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#### **OCTOBER 1972 VOLUME 13, No. 10** Munchen 1972 — The Olympics ......5 Opening Ceremony ..... .....9 Men's Events ... Women's Events ......19 Olympics Diving .......21 High School, Prep All-Americans — Where Are They Now? ..........28 Weight Training — The Leflar Pulley .......40 The Olympics — Heat by Heat Results .......65

COVER: Spitz and Gould. The 1972 Olympics included the premiere swimmers of the world as in just one long week, they combined to make swimming history with 23 new world records. But none stood out more than Mark Spitz of the United States and Shane Gould of Australia, clearly the top male and female athlete of the Olympics. Amazingly, Mark brought home seven gold medals while Shane won three gold, one silver and one bronze. (Swimming World Photo)

PHOTOS: Swimming World acknowledges the help of Tony Duffy and Don Wilkinson for their Olympic photos to supplement our coverage of 'Munich 1972.'

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#### AN OPEN LETTER TO LORD KILLANIN

The curtain has finally rung down on the bloody and strife-torn XX Olympiad. It started out to be an Olympics so serene and so well planned that the athletic performances in the most grandiose of facilities would make the world forget their ills.

Instead the Games were torn asunder by politically motivated pressures, commercialism, bloodshed and decisions that almost succeeded in halting the entire Olympic movement.

The outside intrusion by the terrorists causing the deaths of 11 Israeli sportsmen, an act that the whole civilized world abhorred and denounced from the highest state almost gave the Games a mortal blow. That the Games continued is a judgment that only in time will be proven to be right. What has been done can not be undone.

A decision, certainly not of the magnitude faced by the organizers as whether to continue the Games, also was adjudicated. This concerned the barring of Rick DeMont from competing in the 1500 m. freestyle race and then stripping the 16-year-old schoolboy of his gold medal that he had won in the 400 meter freestyle.

The International Olympic Committee ruled that the athlete had been guilty of taking a drug that was on the banned list of the Medical Commission.

The truth as you well know is that De Mont listed a medication on his medical form when he was processed by the USOC. The fact that the medication for asthma contained ephedrine, the banned drug, was unknown to him, his coaches or the staff of the Men's Olympic swimming team.

Only when the doping tests were positive, 12 parts in a million, did the athlete or his coaches know that his medication contained a banned drug.

The USOC medical staff must have been aware of the ingredients of Marax, the medication that he was taking. They should have passed this information on to the IOC Medical Commission, and if the Commission ruled against the medication prescribed by his own physician, then he should have been so advised and either prevented from the continued use or given an approved substitute.

The USOC medical authorities were derelict in their handling of the case. It is they who are guilty, if one may judge that there is a guilt of taking a drug that was on the "no, no" list of the IOC.

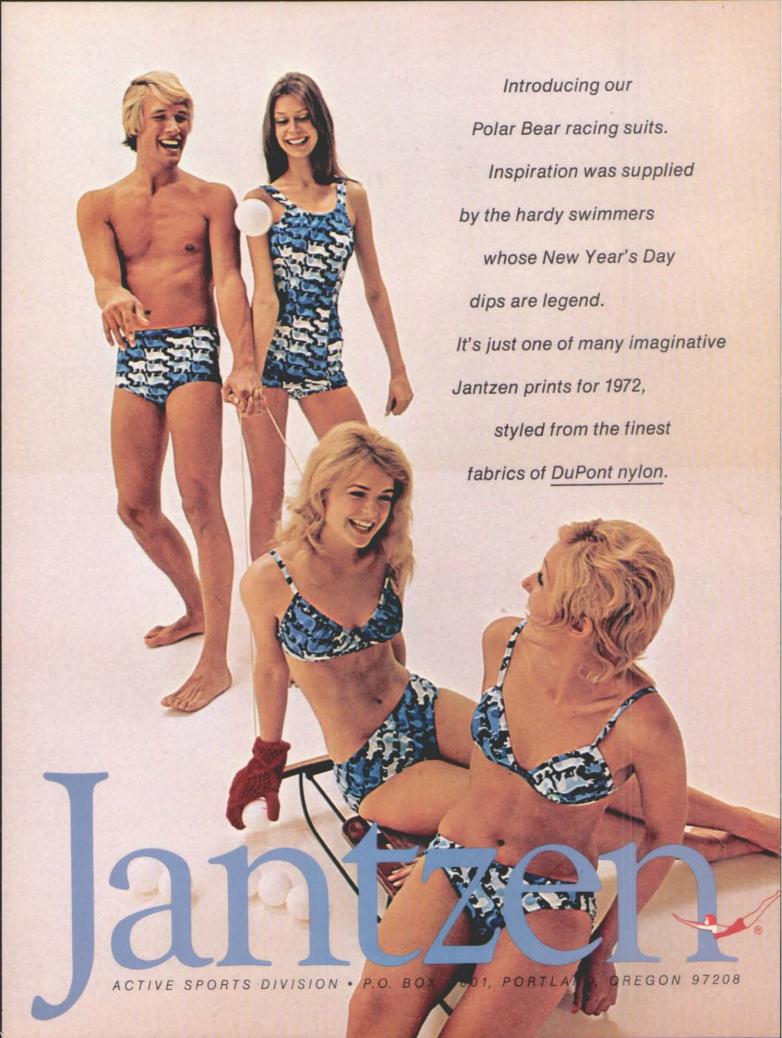
How can the IOC be so callous and have so complete a disregard for youthful innocence as to not only strip the young man of his gold medal but leave him branded for life as one who failed the drug control test of the XX Olympiad?

The actions of the IOC Executive Committee have made DeMont pay for the sins of his elders. To this date no punishment other than an official reprimand has been given to those who permitted the athlete to disqualify himself.

I ask in the name of sport, fairness and of the Olympic creed that you, as the President of the International Olympic Committee, remove the charge of drug use and restore the medal to Rick DeMont that he rightfully earned. We know you have the power by executive decree to carry out this mandate of justice.

With best wishes for rebirth of the Olympic spirit,

Albert Schoenfield, Publisher





MUNICH, Germany - On Tuesday, September 5, at approximately 4:30 a.m., an event unscheduled began that was to not only shake the very foundation and ideals of the Olympics but the capitals of every nation of the world. It was the beginning of a series of incredible happenings that ended in a tragic and senseless massacre of eleven Israeli Olympic athletes, one policeman and three of the Arab terrorists, part of the Black September Organization who came to use the Olympics as a stage for their revolutionary activities.

Two groups of four terrorists were seen to climb over the outer perimeter fence by the Olympic Village guards, who assumed that they were athletes returning from an evening out on the town. The terrorists wore track suits.

Quickly, they moved to Block 31 on Connolly Strasse, a three - story concrete building above the basement exits which provide underground parking and road to Village

At about 5:00 a.m., the terrorists knocked on a door of a member of the Uruguayan group who lived in the same building, and in response to their question, shouted that the Israelis were at the other end. Shots, scuffling, screams and then a body lay just outside the front door. It was that of Moshe Weinberg, the 33-year-old wrestling coach, who, sensing the attack, tried to hold off the murderers, and was shot threw the door leading to his quarters. The terrorists took their hostages from Flat 1 and were led to Flat 3 where the weightlifters and wrestlers were sleeping. The track and field athletes and fencers in Flat 2 escaped through the back windows. In the fight in Flat 3, Joseph Romano, 32, armed only with a knife also fought to his death.

This left the terrorists with nine live hostages. Only one decision mattered and that was the denial by the Israeli Cabinet to

Germany spent millions of dollars to erase the memories of Berlin in the 1936 Games and hopefully to host an Olympics that would always be remembered. From Mark Spitz' seven gold medals to a horrible bloody Tuesday, it was one which people will never forget . . . by AL SCHOENFIELD

accede to the terrorists demands to release 200 Palestinians in Israeli jails.

What happened after the refusal by the Israeli Cabinet to bow to the terrorists ultimatum is a series of events that will probably never be fully truthfully explained.

Several ultimatum deadlines passed and finally the terrorists agreed to allow themselves to be flown with their hostages to an Arab city, preferably Cairo.

When the Egyptian Prime Minister Aziz Sidki stated that he could not guarantee safe conduct for the Israelis from his country, there was but one plan left open to the German Government...free the men through force with snipers. This option was placed into the hands of the Munich police chief, Dr. Manfred Schreiber.

As the day wore into night, the plans for freeing the hostages became increasingly difficult as the terrorists waited until dark, preventing sharpshooters from firing into open windows at the terrorists. Then the terrorists and the live hostages were taken down the underground passage to buses where they drove to a landing pad at the Village. Two helicopters took the hostages and terrorists to Fuerstenfeldbruck, a military airport about 26 kilometers from Munich.

The first helicopter landed at about 10:26 p.m. and ten minutes later, the other landed together with a third that carried Schreiber and other prominent officials.

Snipers, and there were but five of them, were hidden and the order was not to fire until they could be sure they could kill all eight terrorists. But the terrorists were too wise for the police, and after two Arabs using the helicopter pilots as shields had inspected a Lufthansa Boeing 727, they started to return to their helicopters. The marksmen suddenly began to fire, and three Arabs were killed almost instantly. The fourth ran zigzag from the Boeing he had just inspected and fired wildly at the floodlight sand the control tower. One of his shots killed a policeman. At about 11:00 p.m., armored cars which had been at the Village arrived and readied for an assault on the terrorist still with their hostages in the two helicopters. For an hour, no action took place as the police in both Arabic and German appealed to the terrorists to surrender. Near midnight, the police began to deploy for an assault on the helicopters. Suddenly a terrorist jumped out of a helicopter, tossed a grenade into it and the helicopter exploded. Heavy police firing killed three terrorists almost immediately. Those in the second helicopter returned the fire. When the police rushed in they found the terribly mutilated bodies of the hostages and one terrorist feigning death.

But even the reporting of the catastrophic events had a macabre turning when before almost 4,000 reporters massed in the Village press center, Hans Klein, press chief for

Continued on page 7)



# opening ceremony



MUNICH, Germany—The German Organizing Committee couldn't have ordered a more perfect day to usher in one of the most costly and most controversial Olympiads ever. A warm sun poured down on close to 85,000 spectators squeezed together as tight as skin on a German sausage.

After the arrival of Gustav W. Heinemann, president of the Federated Republic of Germany, the Patron of the XXth Olympiad, and the playing of his country's national anthem, the parade of the nations commenced. For more than one hour and twenty minutes, approxitely 8,500 in distinctive garb paraded in their quest for 1,109medals . . . that's what it is all about.

Mrs. Olga Fikotova Connolly, one of the most severest crirics of the very committee who governs the U.S. athletes, carried the flag of the United States. A citizen by marriage to American Gold Medal Winner, Harold Connolly, in the hammer throw in 1956, she was the choice of an athletes' caucus after several ballots. The caucus was to be attended by representatives form 27 sports teams (counting women's team as separate), but only 17 showed up.

The smallest delegation was from the Congo, and the most unusual were the two wrestlers from Mongolia, clad in bright scarlet briefs, Mongolian boots and bright blue capes.

Greece, as always, led the parade over the grounds that once were the site of Munich's airfield, best remembered as the Flughoven where Neville Chamberlain landed in his quest for "Peace in our Time."

The music during the parade was adapted by Kurt Edelhagen,

Peter Herbolzheimer, Dieter Reith and Jerry Van Rooyen. It was played by the Kurt Edelhagen orchestra and was as moving as the marchers.

The nations from Africa were easily recognizable, not because they were black, but because of their traditional garb. Ethiopia, Gabun, Ghana, Cameroon, Mali, Niger, Nigeria, Upper Volta may not win any medals, but they certainly will be remembered by millions who saw them on the "tube."

DDR or East Germany, in multicolor garb, received a warm tribute from the massed spectators. Canada's representatives were in red jackets and white trousers, the Netherlands in traditional orange, Sweden in gold and blue, and of course the United States in red jackets and white skirts for the girls, with the men in white jackets and red slacks.

After the infield of the Olympic Stadium was completely filled by the delegations, 3,200 teenagers from Munich greeted the althetes with a Bavarian dance and song.

The usual speeches by Willi Daume, President of the Organizing Committee, and Avery Brundage, President of the International Committee; the five-ringed Olympic flag delivered by the Lord Mayor of Mexico City as a symbol of the Games continuity; the musical salute by Mexico's mariachis; the release of the doves and the three-gun salute by cannoneers from the Berchtesgarden area (by use of whips); the carrying of the Olympic Flame, a runner escorted by Jim Ryun and Kip Keino, the lighting of the torch and finally the oath given for the first time ever by a woman, 22-year-old Heidi Schuller. The Games were on.

#### MUNCHEN 1972 (Cont'd. from page 5)

Munich's Organizing Committee, announced all hostages were safe. About 90 minutes later he reported that an officer at the airport reported that shooting was continuing, and that information from the airport was confusing and contradictory. It wasn't until 3:30 a.m. that the press was finally informed that nine hostages were involved and all had been killed.

Action on the Olympic fields was allowed to continue despite the fact that first word of the death of Weinberg and the holding of hostages spread quickly, with almost the entire press area and village aware of the problem by 8 a.m. on the morning of the 5th. Eleven of 22 sports resumed as if nothing happened.

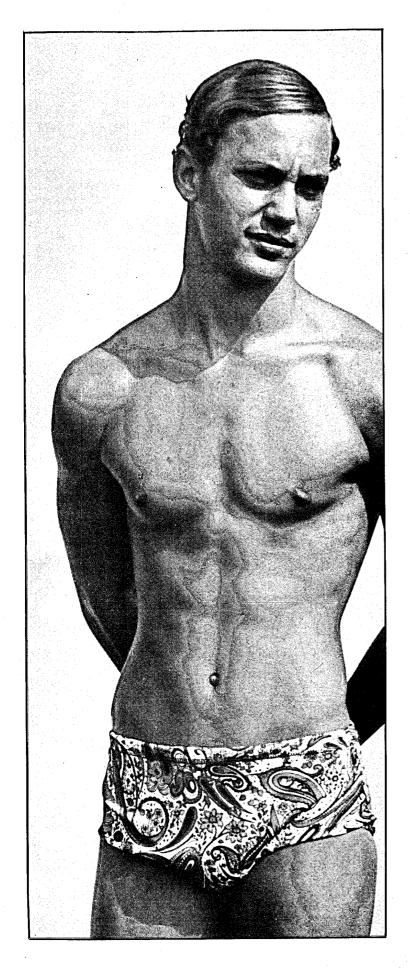
Not until 4 p.m. did some belated sense of decency dictate the suspension of the Games despite a request by the Israeli delegation to suspend the Games until the hostages had been released.

It is beyond reason to explain why Avery Brundage, retiring president of the International Olympic Committee, quick to punish those for minor infractions or those who willfully violate the Olympic spirit, waited more than five hours after the 4:30 a.m. invasion of the Israeli quarters to announce that sport which had started could proceed as scheduled. Finally at 4 p.m., he and the IOC

Executive Committee responded to world opinion or to humanitarian respect and suspended the Games, and even then he made an exception for the Games already in progress.

His lack of awareness or failure to relate to the times of our day is further reflected when during memorial services the day following, before 80,000, Brundage said, "Every civilized person recoils in horror at the barbarous criminal intrusion of terrorists into peaceful Olympic precincts. We mourn our Israeli friends, victims of the brutal assault. Sadly, in this imperfect world the greater and the more the Olympic Games become, the more they are open to commercial, political and now criminal pressure. The Games of the XXth Olympiad have been subjected to two savage attacks. We lost the Rhodesian battle against naked balckmail. We have only the strength of a great ideal. I am sure that the public will agree that we cannot allow a handful of terrorists to destroy this nucleus of international cooperation and good will we have in the Olympic movement. The Games must go on, and we must continue our efforts to keep them clean, pure and honest, and try to extend the sportsmanship of the athletic field into other areas.

(Continued on page 9)



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### men's events



MUNICH, Germany — The Olympic Schwimmhalle in Olympic Park is just about all that has been written about it. It is completely covered by the cacoon plastic dome. The flush wall sides have helped make the pool one of the fastest in the world. The lane lines and the flat walls at either end in addition to the flush walls eliminate rough water as the swimmer competes down the length of the pool. What little waves there are, are behind the competitor and the two outside lanes are no disadvantage to the swimmer.

The seating capacity is another story. For the paying spectators there can be no more than 5,000 seats. There are large areas devoted to the press and television, and in addition a section numbering many hundreds have been assigned to members of the Olympic Committee and FINA.

The diving pool is large and deep. There are four one meter Duraflex boards, four three meter boards, and diving platforms from five meter, seven meter and 10 meter heights. Elevators take the competitors to the various heights of the tower.

Two large electronically operated score boards are at the end of the pool. The running times, as well as the split times for all competitors are registered at the start and finish and at the 50 meter turns. The system is activated by the starters horn and stopped by the touch of the competitor. As is the custom in Europe, the start is made by a horn at the side of each starting block.

A complete press center, interview rooms, FINA meeting rooms and restaurants also are housed in the facility.

#### Monday, August 28

The United States Olympic swimming team, one of the smallest squads ever, with but 24 men, including two relay alternates, was rated by the coaches, press and administrators as one of the strongest ever assembled.

The men's Olympic swimming team was staffed by Ken Treadway, manager; Charles McCaffree, assistant manager; Peter Daland, USC and Los Angeles Athletic Club, head coach; and Don Gambril, Harvard University and Phillips 66 Long Beach, assistant coach.

Having set six world marks and equalled one at the Chicago Trials, the hope of the Americans was that they had the talent to come close to their outstanding record achieved at Mexico City in 1968 when they won 10 gold out of a possible 15.

Facing them in the backstroke events was Roland Matthes, now 22 and swimming faster than ever before. His domination in this event was so great that only the slightest hope for an upset could be nurtured by the American dorsal stars.

From Australia, Michael Wenden, winner of the 100 m. and 200 m. freestyle events was also swimming better and at the Olympic pool, in a pushoff, was clocked in 1:54 plus. Wenden had to be considered the man to beat by the Americans if they were to regain these two freestyle crowns.

Also from Australia were two young distance swimmers, Brad Cooper, world record holder in the 400 m. until the Chicago Trials and Graham Windeatt, the latter better at 1500 meters.

The fly had Hans Fassnacht, American-trained world record holder, and in the breaststroke, the two top foreign threats were Notuba Taguchi of Japan, Walter Kusch, West Germany and Nikolai Pankin of the Soviet Union.

Two events would be decided on the opening day of the eight day aquatic schedule. First event of the program was the 200 m. butterfly. Thirty one entries or four heats would determine the finalists.

200 METER FLY: Gary Hall, USA, swam in the first heat and promptly broke the Olympic record by clocking 2:03.70, bettering his time of 2:04.09 at the Chicago Trials. Also impressive was second place finisher, Andras Hargitay of Hungary who actually led Gary at the 100, 59.88 to Gary's 1:00.02. Then came Robin Backhaus, the youngest male swimmer on the team who had never before been tested in international swimming. Backhaus responded to the pressure by further lowering the Olympic record as he was timed in 2:03.11 in winning his heat. His split at the 100 meters was 59.41.

(Continued on page 10)

#### MUNCHEN 1972 (Cont'd from page 7)

The Rhodesian affair was at best only a political expedient that he himself had championed. The defeat by vote of his plan to allow Rhodesia to participate in the Games obviously still rankled the old man and allowed him to equate that political loss with the loss of 11 Israeli Olympians.

And there were other incidents that marred the Games. Politics have so pervaded the Olympic spirit that it is now time to reassess the entire Olympic Games. When Nationalism is so strong that fair judging is impossible to attain; when athletes are punished without a hearing; when rulings on the sport field bend with the pressure of politics; and when athletes are deprived of the laurels they have won by the sins of their leaders; then it is time for the reappraisal of the aims and ideals of the noble Games. Are the Games for the athletes, or are they for national glory? For brotherhood and good will or for political influences? For amateurs or professionals nurtured by the crass commercialism of huge attendances and large television receipts? Munich may well be the last of the "big" Olympics. Montreal in 1976 may move the Games into a more relaxed or informal setting. There

The United States Olympic Committee is a need for a change.

The Memorial services, attended by more than 80,000, paid their respect to the fallen Israeli Olympians. Flags of 122 nations were lowered to half mast and a simple bouquet of red and yellow roses was at the base of the Olympic flame on the upper rim of the stadium. In addition to Brundage, homage was paid by Gustav Heinemann, President of West Germany; Willi Daume, president of the German Organizing Committee; Ben Horin, Israel's Ambassador to West Germany, and Samuel Lalkin, Israeli delegation head.

Only minutes after the stadium was empty, attendants began to water the infield grass in preparation for the resumption of the Games on the following day.

Completely eclipsed by the Israeli massacre was the stripping of the 400 meter gold medal from 16-year-old Rick DeMont because he was taking a banned medication for an asthma condition.

DeMont on September 1, had won the 400 m.freestyle. All winners are given a drug control test. Traces of the drug ephedrine were found in his urine samples taken after the victory.

was advised of this positive doping test on September 3, two days after his victory and one day after qualifying for the 1500m. freestyle, an event he was expected to win.

How could a 16-year-old boy disqualify himself from his gold medal victory? He didn't, knowingly.

DeMont, an asthmatic, noted on his medical formwhen he was processed in Washington that he took a prescribed medication called Marex. Marex contains ephedrine, a drug banned by the International Olympic Committee medical commission. The coaching and managerial staff of the U.S. Men's Swimming team did not know that DeMont was taking this medicine.

The USOC medical authorities cautioned the athletes not to take pills and medicine without their approval. DeMont, because he had noted his prescribed medicine on his Olympic medical form while processing, did not realize that his medication contained a banned drug and could only presume that it was legal, since he had made it known to the U.S. Olympic medical authorities.

First the IOC Medical Commission barred DeMont from taking part in the 1500 m. event. The Commission, by its directive of

(Continued on page 76)

#### MEN'S EVENTS (Cont'd. from page 9)

Hans Fassnacht, the host country's hope for a gold medal, won the third heat but not before overcoming the challenge of Pan American champion, Jorge Delgado, Ecuador. Fassnacht trailed for 100 meters by a touch, splitting 1:00.78 to Delgado's 1:00.69. However the listed world record holder responded to the cheering partisan crowd and inched home ahead 2:05.39 to 2:05.61, with the Soviet Viktor Sharygin third, 2:06.76.

Mark Spitz's entry into the Schwimmhalle for the first time in competition brought a roar from the crowd, and the world record holder didn't disappoint his admirers. He stroked into a 58.13 100 meter split and coasted home to clock 2:02.11, still further lowering the Olympic record previously set by his teammates. Hartmut Floeckner, German Democratic Republic (East Germany) swam a 2:05.54.

The slowest qualifier was Germany's Folkert Meeuw, 2:06.13. In the finals, Spitz wasted no time in establishing his control of the race. By 50 meters he had almost a half body length lead over Backhaus with Hall third. At the 100 meter point, the lead had opened to ¾ of a body length. Spitz stroking smoothly maintained his lead and after turning for home on the last turn opened up to win by 1½ body lengths over Gary Hall who again finished hard to pass Backhaus who placed third to give the Americans a sweep of the event. Spitz's clocking of 2:00.70 set a new world record.

Fassnacht made a try to reduce the lead at 140 meters, but was unable to move up more than two places as he finished in a tie with Hargitay for fifth, 2:04.69 (Hungarian Rec.). Jorge Delgado, Ecuador, set a South American Ecuadorian record of 2:04.60 in placing fourth.

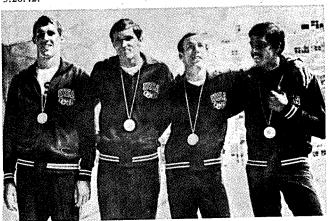
		The Win	ners' Splits	
Spitz	27.12	57.79	1:28.90	2:00.70 W/O Rec.
Hall	28.57	59.10	1:30.57	2:02.86
Backhaus	27.93	58.52	1:30.33	2:03.23

4 x 100 FREE RELAY: The second event by the men to reach a climax on the first day of swimming was the 4 x 100 freestyle relay.

The United States quartet of Dave Fairbank, Gary Conelly, Jerry Heidenreich and Dave Edgar set a world record of 3:28.84 in winning the second heat after Russia's team of Vladimir Bure (53.0), Viktor Mazanov (52.88), Viktor Aboimov (52.84) and Georgy Kulikov (54.0) were timed in 3:32.73 for the best time in the first heat.

The splits for the Americans were Dave Fairbank, 52.61; Gary Conelly, 51.69; Jerry Heidenreich, 51.89; and Dave Edgar, 52.63. The cutoff for the finals was 3:38.77 and the major casualty was

The finals saw the Soviets place their fastest man on the leadoff and Bure responded by gaining a stroke lead over the Americans as he split 52.26 (U.S.S.R. Rec.) to Dave Edgar's 52.69. Then John Murphy took the lead for the Americans which they were never to relinquish as he clocked 52.04 for his leg against the Soviet Mazanov's 53.13. Heidenreich moved the half body lead that Murphy had created into two full body lengths as he clocked 50.78 and Spitz, to a thunderous ovation, brought it home in 50.90 for a total time of 3:26.42 and a new world and Olympic record. The running splits: Edgar 52.69; Murphy 1:44.73; Heidenreich 2:35.51; and Spitz 3:26.42.



WORLD RECORD TEAM — The United States ruled the world in the 4 x 100 freestyle relay as the winning Americans pose with their gold medals. From left to right are John Murphy, Dave Edgar, Jerry Heidenreich and Mark Spitz.

Russia's time of 3:29.72 set a European and Soviet record. The bronze went to the German Democratic Republic (Matthes, Hartung, Bruch and Lutz) in 3:32.42, a national record. Brazil, who touched out Canada for fourth with a quartet of Oliveira Aquino, Paulo Zanetti, Paulo Becskehazy and Jose Dinez Aranha set a national and South American record as they were timed in 3:33.14. Canada, 3:33.20, also set a national record (Robertson, Phillips, Bach and Kasting). For Canada, West Germany, 3:33.90, and France, 3:34.13, their clockings achieved national standards, with the Canadians also setting a Commonwealth mark.

But the first day was a day that Spitz will long remember for he more than redeemed himself for the "flop" of four years ago by winning two golds, and at 22 years old, showed maturity and ability that was to make him the top male athlete of the Games.

100 METER BACK: In addition to the finals of the relay and the 200 m. fly, semifinals were held for the men's 100 m. backstroke. To make the semis, it took but 1:01.11, an easy clocking by American standards.

The three Americans had the fastest prelim times with Mitchell Ivey clocking 58.15, Mike Stamm; 58.63 and John Murphy, 59.93, with Roland Matthes, East Germany, in with an easy 1:00.01.

Matthes won the first semi, winning handily in 58.44 as he overtook Stamm coming off the 50 meter turn. Stamm was clocked in 58.77 with Lutz Wanja, East Germany, 59.83.

Ivey won the second semi, 57.99, an Olympic record, followed by teammate Murphy, 58.64 and the Soviet Igor Grivennikov, 59.15.

To make the finals, it took 1:00.43.

Tuesday, August 29

In the finals, on the second day of the competitions (Aug. 29), the men's 100 m. backstroke saw Roland Matthes successfully defend his Olympic crown and again establish himself as one of the great swimmers of the last decade.

Matthes drove off well from the blocks and hit the turn in 27.41, to the nearestAmerican competitor, Stamm (27.47), a touch behind. Then the East German world record holder moved into high gear and coming off the wall simply swam away from the field, opening a gap of a full body length at 75 meters and then adding a bit more at the finish. The winner was timed in 56.58 for a new Olympic record and two tenths off his world mark.

Stamm, who had tried valiantly to stay abreast of the winner still had enough left to win the silver by a stroke over Murphy who just did touch out Mitch Ivey for the bronze. Stamm was timed in 57.70, setting an American record. Murphy returned 58.35, followed by Ivey, 58.48, Igor Grivennikov, USSR, 59.50 (USSR Rec.); and the East German pair of Lutz Wanja, 59.80 and Juergen Krueger, 59.93. Tadashi Honda, Japan, set a Japanese record with his 1:00.41 clocking.

200 METER FREE:Spitz, who had already become the hero of the Games, had the fastest qualifying time for the 200 m. freestyle as he led a field of 41 entries with a 1:55.29 clocking. Steve Genter, who had been hospitalized only four days earlier with a fluid in his chest cavity and who had been operated to remove the fluid, came back to the Schwimmhalle to post the second best clocking, 1:55.42. Klaus Steinbach and teammate Werner Lampe, West Germany, 1:55.80 and 1:55.97 followed, and then came Fred Tyler, 1:56.04, Vladimir Bure, USSR, 1:56.15, Michael Wenden, Australia, 1:56.66 and Ralph Hutton, 1:56.84.

Wenden, the defending champion, looked anything but the swimmer who was the star at Mexico in 1968. He barely made the cutoff and though the outside lane in this pool could not be considered a disadvantage, most thought that he would have little chance to retain his crown.

At the gun, Spitz went out to control the race and turned the first 50 in 26.09, a flick ahead of Bure, 26.21 with the rest of the field tightly bunched. At the 100 meter turn, Mark had lost his lead to Genter, though he appeared to be leading as he went into the wall. The splits: Genter 54.93 and Mark 55.06. Steinbach was third, 55.50, a stroke behind. At 150 meters, Genter again overtook Spitz coming out of the turn after Spitz had regained the edge moving up the third 50. Genter was timed in 1:24.28 to Mark's 1:24.44. Wenden who had been fifth at 100 meters was now in third place at 1:25.23. But the Australian never had a chance as the front running Americans really poured it on coming off the last turn, Mark pulling away from Genter after taking the lead just past the turn. He opened a gap that increased to about five meters at the finish of the race, clocking 1:52.78 for his second world record. Genter was timed in 1:53.73 followed by Werner Lampe, 1:53.99 and Wenden, 1:54.40. Tyler, 1:54.96, Steinbach, 1:55.65, Bure, 1:57.24 and Hutton, 1:57.56 finished in that order. Wenden's time was almost a second faster than his winning time in Mexico (1:55.2).

Spitz came home in the last 100 meters in 54.93 and the last 25 in 28.3. He was greeted by a tumultuous roar from the overflow crowd of 10,000. He now had won three gold medals and was heavily favored to win two additional golds the next day.

Spitz, who is to swimming what Joe Namath is to football, a colorful superstar, was hardly out of the water before he became embroiled in a protest.

At the victory stand ceremony, Mark was unable to find the time to put on his deck shoes, and so was photographed with bare feet. His shoes were resting behind him on the stand. After he had received his medal, he reached down and grabbed both shoes with his left hand, and then in a response from his admirers, he innocently waved at them still clutching the shoes. They were identifiable because of their distinctive stripes (Adidas) and the Soviets upon seeing the photo of Mark waving the shoes in hand, lodged a protest to FINA, and the Olympic Committee.

The protest was disallowed, as the world record holder stated that they were his, purchased several years ago, that he didn't even give it a thought that they were in his hands when he waved to the cheering crowd, and that they could not be considered part of his equipment in performing his swimming skills.

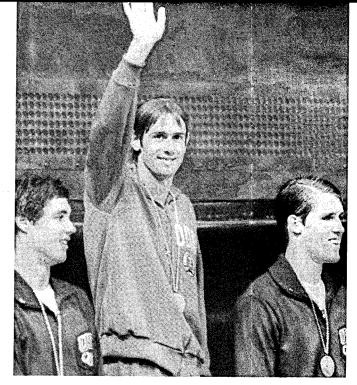
Wednesday, August 30

The third day, August 30, included the prelims and semi finals of the 100 m. butterfly, the 400 m. individual medley and the final of the 100 m. breaststroke.

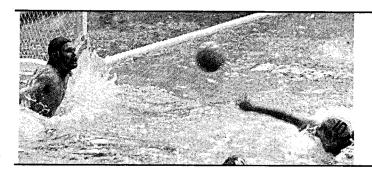
For the American men, it will best be remembered as "bad Wednesday." For it was on this day that one of America's great swimmers was upset, and finished completely out of the medal honors.

100 METER FLY: The butterfly had one of the largest entries, 40 men, or five heats. The Americans had little trouble winning their heats with Dave Edgar winning the first, 57.30; Jerry Heidenreich, the fourth, 56.86 and Spitz the fifth, 56.45. The cutoff for the two

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VICTORY WAVE: Winner of the 100 and 200 back, Roland Matthes of East Germany, waves to fans at Olympic Schwimhalle. Also on victory stand are silver medal winner Mike Stamm (left) and bronze medal winner John Murphy (right), both of the United States. (Photo by Tony Duffy)



## water polo



#### By JAMES R. SMITH Stanford University

MUNICH, Germany — Russia's rough and aggressive water polo team won the Olympic gold medal by tying Hungary 3-3 in the 59th final game of the tournament. The Russians won the medal on the basis of goal difference. Hungary won the silver medal. Russia and Hungary brawled through four quarters of play marked by the Hungarians committing 52 free throw fouls against 59 for Russia. Hungary drew an additional 12 kick-out fouls to 11 for Russia. All this in a 20 minute game.

The highlight of the game was the brilliant defense work shown by both goalies. Each side had one penalty thrown against them. The Russians missed theirs for a possible win, and the Hungarians made their third goal on the throw to earn a tie.

The Soviet goals were scored by Alexandr Dreval, Leonid Ossipov and Alexandr Shiolvaski. Hungary's goals were scored by Zoltan Rosas, Laslo Sarosi, and Istvan Szivos, whose father played on the Hungarian gold medal teams of 1952 and 1956. Hungary was the pre-tournament favorite.

The victory for the Russians, the silver medal winners in 1968, came on their second tie in the competition. They were also tied by the United States the night before 6-6. There was such a fine line between first and third, as the United States had the game apparently won with a 6-4 lead in the fourth quarter.

The Hungarians who won the bronze in 1968 were tied the week before by West Germany 3-3. Both Russia and Hungary were undefeated.

The happiest team of the final day was the Americans who won the bronze by defeating Italy 6-5 in the afternoon match. For the all-California team, it was the first Olympic medal in water polo in over 40 years. In 1932 at Los Angeles the United States was third, but there were only five teams entered, and at the very beginning of the tournament, Brazil was expelled when one of its players took a punch at the referee.

Today there are 57 countries competing in water polo and the 16 teams competing in the Olympic Tournament must qualify by placing in the first five at the previous Olympic Games or through competition at regional tournaments throughout the world one year prior to the Olympic Games.

To earn the bronze, the American team not only tied the Russian champions 6-6, but

made Olympic history by defeating the defending world champions, Yugoslavia, 5-3. This win enabled them to end the preliminary round with a perfect 5-0 record.

At this point, the American squad was thinking in terms of gold and silver, but twice they let what should have been decisive leads: dissolve into ties, and the big medals slipped away. Against West Germany, the Americans led 4-1, but the Germans tied it 4-4. In the match against Russia with only one day of play remaining, the Americans led 6-4 in the final quarter, but the Russians tied it 6-6. For a moment against the Italians on the final day of play, goalie Jim Slatten of El Segundo and former UCLA player, thought it might happen again when the Americans were leading 6-4 in the final quarter. He said, "The sun was in my eyes and I could hardly see." If they had only realized the situation, I think they would have fired more often from different angles, and had this occurred we would have been in real trouble. Italy did manage to close the gap 6-5 before the clock ran out.

Jim Slatten's goal tending was the key-

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#### MEN'S EVENTS (Con'd. from page 11)

semis was 58.37. In addition to the U.S. who had three in the semis, East Germany, headed by Roland Matthes, also had three, as did Canada.

The first semi was won by Matthes, 56.51, trailed by the Canadian pair of Bruce Robertson, 56.86 and Byron MacDonald, 57.06. Spitz, 55.98, Heidenreich, 56.18, and Edgar, 56.88 went 1-2-3 in the second heat. The qualifiers in the finals to be held on August 31, included the previous mentioned six plus Hartmut Floeckner, 56.96, East Germany and Neil Rogers, Australia, 57.28:

400 METER INDIVIDUAL MEDLEY: The 400 m. individual medley was the first final for Aug. 30. From the six heats, eight men who had clocked 4:42.75 or better made the finals. Fastest qualifier was Sweden's Gunnar Larsson who looked very strong, especially on his breaststroke leg. Gunnar's prelim clocking was 4:34.99. Andras Hargitay, Hungary, 4:37.51 and Bengt Gingsjoe, Sweden, 4:38.05, also clocked faster times than the American trio of Gary Hall, 4:38.95, Steve Furniss, 4:39.33 and Tim McKee, 4:40.78. Australia's Graham Windeatt, 4:42.16 and East Germany's Wolfram Sperling, 4:42.75, completed the entry.

Hall, the world record holder, went out hard on the fly leg and by 100 meters had built up almost a three-body length lead over his nearest rival, Hargitay. Gary's time for the fly leg was 58.38, with Larsson about 12 meters behind the leader.

At 200 meters, Hall's lead over Hargitay was three body lengths, as Hall split 2:06.32. At 250 meters, Hall still enjoyed a 2½ body length lead over Hargitay, but McKee made his move and at 275 meters, he overtook the leader. Larsson, at 200 meters, trailed by about 25 meters.

At 300 meters, Larsson had his breaststroke to fall back on and he began to take huge gobs out of McKee's and Hall's lead. At 325 meters, Larsson passed the very tired Hall, but McKee was still between Larsson and the gold medal. Larsson scented victory and went after McKee who came on again to try to hold off the fast closing Larsson. The end of the pool didn't come quite quick enough for the American as Larsson lunged for the wall. The times on the electronic scoreboard read Larsson, 4:31.98 and McKee 4:31.98.

For close to 10 minutes, the two tired swimmers rested at the blocks as they and 10,000 spectators waited to see who won the gold. And then it came . . . 4:31.981 for Larsson and 4:31.983 for McKee. The hush that had stilled the huge Schwimmhalle now bursted into a roar as Sweden won its first Olympic gold swimming medal since Arne Borg won the 1500 meter free in 1928 at Amsterdam.

It was a heartbreaking defeat for the 19-year-old American from Newtown Square, Penn. Larsson, 21, 186 pounds, had come to The United States several years ago to train under Don Gambril, now the assistant men's U.S. Olympic coach. He worked hard and his victory set a new Olympic record. Hall, the pre-race favorite, faded badly and wound up fifth. At one point in the race, Larsson was eight seconds behind Hall (sixth in the race after the fly and back) but his breaststroke saved his gold.

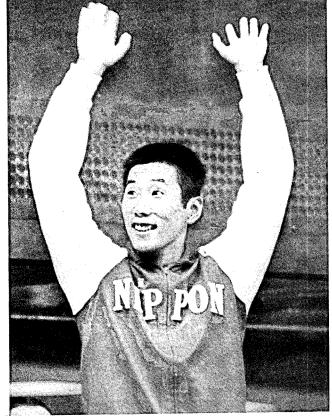
Andras Hargitay, Hun., 4:32.70, won the bronze as Steve Furniss, the third American in the event, could go no faster than 4:35.44 for fourth, followed by Hall, 4:37.38, Gingsjoe, Sweden, 4:37.96, Windeatt, Australia, 4:40.39 and Sperling, E.G., 4:40.66.

Larsson's splits were 1:03.41; 2:14.07; 3:32.17; 4:31.981. McKee's splits were 1:02.06; 2:10.66; 3:29.91; 4:31.983.

100 METER BREAST: The 100 m. breaststroke final was also scheduled for August 30, though the prelims and semifinals were held the day previous. Forty four men made up the entry of six heats. The slowest qualifier for the semifinals was East Germany's Rainer Hradetzky who had a 1:08.67 clocking. The three Americans had qualified easily with the fastest times. Hencken had a prelim time of 1:05.96 and drew lane four of the first semi. Tom Bruce with 1:06.45 drew lane three in the same heat. Mark Chatfield was the quickest of all qualifiers as his 1:05.89 earned him lane four of semi two. Nobutaka Taguchi, Japan, was in lane five of semi two having clocked 1:06.07 in his prelim.

In the first semi, Jose Fiolo, Brazil, went out strong and led Hencken for about 75 meters only to have Hencken come on and win by a stroke. Hencken returned 1:05.68 for an Olympic record. Fiola was timed in 1:05.92 and Bruce, 1:06.05.

In the second semi, Chatfield went out fast and turned first but about 15 meters after turning, Taguchi caught him and it was the Nipponese ace battling Germany's Walter Kusch for the end of the wall. Taguchi was timed in 1:05.13, with Kusch, 1:05.78 and Mark, 1:06.08.



THE CHAMPION — Nobutaka Taguchi of Japan acknowledges roar of approval of the lans after he captured 100 breast gold medal. Taguchi's victory marked the first time Japan had won a gold medal since 1956. (Photo by Tony Duffy)

Other qualifiers were Pankin, USSR, 1:06.08 and David Wilkie, GB, 1:06.25

In the finals, the American trio of Bruce, Hencken and Chatfield blasted out first and at the turn were the leaders, with Bruce no more than two-tenths faster than Chatfield, the slowest of the three. Bruce split 30.66. Back in seventh place was Taguchi. For 85 meters, Bruce looked like the gold medal winner. But the Japanese ace was moving up fast and passed Bruce about ten meters from the wall to win by two strokes. For Taguchi, it was a new world record as he was timed in 1:04.94 (31.38 at the 50), but for Japan it was a great day for a Japanese swimmer had won a gold medal for the first time since 1956 when Fujekawa won the breaststroke in Melbourne.

Bruce clocked 1:05.43 for second and an American record just touching out his teammate Hencken, 1:05.61. Chatfield, 1:06.01, Kusch, 1:06.23, Fiola, 1:06.24, Pankin, 1:06.35 and Wilkie, 1:06.52 finished in that order.

Taguchi, 21, a student at Hiroshima Commercial College is 5-8 and 150 pounds. His best time in the 1968 Games was 1:06.0. Much discussion centered around his kick and the stroke judges were observed making a careful analysis of his kick, which to some observers was thought to be illegal.

#### Thursday, August 31

100 METER FLY: Mark Spitz's quest for seven gold medals included a swim in his favorite event, the 100 m. butterfly. The prelims and semifinals were held on August 30 with the finals to highlight the evening of August 31.

Six heats and 39 swimmers made up the entry. Spitz, in lane four of heat five, swam the fastest prelim, 56.45 (27.11 at the 50). It took 58.37 to make the semi cutoff. Roland Matthes, East Germany's superstar won the first semi returning 56.51, followed by Canada's Bruce Robertson, 56.86 and his teammate Byron MacDonald, 57.06. Spitz won the second semi, clocking 55.98, trailed by Heidenreich, 56.18 and Dave Edgar, 56.88.

The finals were made up of the three Americans, Matthes, Robertson, MacDonald, Harmut Floeckner, E.G., 56.96 and Neil Roger, Australia, 57.28.

The Schwimmhalle was filled to the rafters and more climbed beams outside to get a glimpse of the outstanding Spitz who was a golden name in Munich.

The moustached champion didn't disappoint his admirers and he streaked out for the first 50 in world record time (25.38) and with a half body length lead at the 50, increased the margin to a full body length to win in 54.27, his third world record and his

fifth gold medal. Robertson came from behind in the last 10 meters to nip Heidenreich for the silver, clocking 55.56 (Can. Rec.) to Jerry's 55.74.

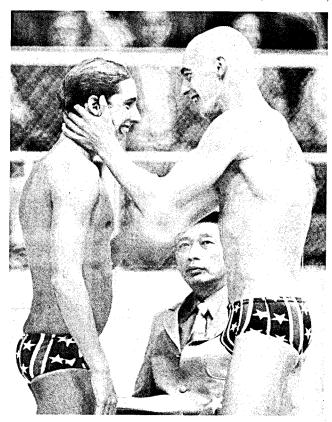
Roland Matthes had a very poor start and lost almost one meter as the gun sounded before he was set. It most certainly cost him a medal and was one of the few times when the starter failed to recall the competitors. It also robbed the race of the anticipated dual between Spitz and Matthes. Matthes was out in 26.38 and came in 29.46, faster than Heidenreich who split 26.02. Matthes was clocked in 55.87. Trailing were Edgar, 56.11, MacDonald, 57.27, Floeckner, 57.40 and Rogers, 57.90.

4 x 200 METER FREE: The U.S. swimmers in the trials for the 4 x 200 m. freestyle relay clocked 7:46.42 for a new Olympic record. (Gary Conelly 1:54.11, Tom McBreen 1:57.34, Mike Burton 1:57.73, John Kinsella 1:57.23). Only Kinsella was to swim the final, and a new world record was in prospect. The cutoff for the finals was 7:58.33 and the final eight teams were as expected, Australia, East Germany, Russia, Germany, Sweden, Canada and Great Britain.

In the finals, John Kinsella led off for the U.S., and clocked 1:54.49, trailing the Soviet swimmer, Igor Grivennikov by about three feet as the American outsped Mike Wenden who was timed in 1:56.41. Wenden showed only a shadow of his 1968 form and this effort coming after his loss to Spitz in the 200 m. event clearly indicated that he would not be able to challenge seriously in the 100 free three days later.

Fred Tyler, the number two man in the relay was hard pressed by Werner Lampe of Germany. Lampe, who shaved his head clean, but set a new style for swimmers by wearing a blond wig to the blocks and after the race, split 1:53.49 to Tyler's 1:54.32 and gave his team about a body length lead at the midway point of the race. At 500 meters, Steve Genter had not only regained the lead for the Americans but had opened a margin of a full body length over Hans Vosseler, the West German swimmer. Genter's split was 1:52.78. The race was over by the time Spitz hit the water, and the American raced to help set a new world record for the event. Mark's split was 1:54.24, and came less than an hour after his butterfly triumph. The 7:35.78 clocking by the Americans gave them the world record. The running splits: 55.51; 1:54.49; 2:49.53; 3:48.81; 4:42.99; 5:41.53; 6:36.08; 7:35.78.

West Germany (Steinbach, Lampe, Vosseler, Fassnacht) was second, 7:41.69, three body lengths behind. USSR (Grivennikov,



A MOMENT OF CELEBRATION: Before Rick DeMont(left) was to lose his gold medal several days later after winning the 400 meter event, the then happy winner received congratulations from teammate Steve Genter, who placed third. (Photo by Tony Duffy)

Mazanov, Kulikov and Bure) gave the Soviets thrid, 7:45.76. National records were set by the Germans and the Soviet swimmers. Trailing was Sweden, 7:47.37 (Larsson's 1:53.84 anchor was the third fastest split of the event behind Genter and Lampe), Australia, 7:78.66, East Germany, 7:49.11, Canada, 7:53.61, and Great Britain, 7:55.59.

Friday, September 1

400 METER FREE: The only event scheduled for September 1 for men was the 400 m. freestyle, and this was one of the key events in the entire swimming program. Forty-four men were entered, and this made up six heats.

Lane four in heat one had Gunnar Larsson. He responded by easily winning in 4:09.88.

Hans Fassnacht, West Germany's American-trained swimmer who had seen his hopes for a medal sunk in the 200 fly, would now try to make the finals in the 400. His 4:09.32 was faster than Larsson's but he was only runnerup as Bengt Gingsjoe won in 4:06.59. Trailing Fassnacht was Udo Poser, EG, 4:09.62.

Steve Genter swam the third heat in lane four and promptly smashed the Olympic record, returning 4:05.89. Runnerup was Anders Bellbring, Sweden, 4:08.38.

Bradford Cooper, 17, Australia's answer to Rick DeMont, was seeded in lane four heat four. Shaved down, he proceeded to further lower the Olympic mark set in the previous heat as he clocked 4:04.59, pushed all the way by skin-head Werner Lampe who lost only in the last five meters. Lampe clocked 4:04.80.

Graham Windeatt, Australia, in lane five, led DeMont in lane four by a half body length for 275 meters and then DeMont moved into high gear as he raced Windeatt eyeball to eyeball for the last 100 meters to win the heat by a touch. DeMont's time was 4:05.70 to Windeatt's 4:05.92.

Tom McBreen drew lane four in the sixth and final heat and led from the gun. He inched slowly away from runnerup Brian Brinkley, Great Britain, to win by several strokes. McBreen's time was 4:06.09 to Brinkley's 4:06.44.

It took 4:06.59 to make the finals. At the start, Lampe, shaved head glistening in the brightly-lit pool, moved out a half body length over Cooper at the end of 100 meters. DeMont was a half body behind Cooper, while Genter was about even with Cooper. Coming out of the 200 meter turn, Cooper took over the lead with Genter and McBreen about dead even. DeMont still trailed by about a half body length. At 250 meters, Cooper still maintained his half body margin over DeMont. Lampe was now dropped and not in contention nor were Gingsjoe or Brinkley. At the 300 meter turn, Cooper still maintained his lead over DeMont as Genter dropped back to third. Coming out of the turn, DeMont began to make his move and by 340 meters had come even with the Australian. On the last turn for home, Cooper had stroked his way to a foot lead, and for the final 50 meters it was a stirring dual as each swimmer gave it all for the coveted gold medal. Only in the last five meters was DeMont able to inch ahead, and he touched the wall almost at the same time as Cooper. The American won the race by the scant margin of one-hundredth of a second, 4:00.26 to the Australian's 4:00.27.

The splits: DeMont 59.78 2:01.37 3:02.04 4:00.26 Cooper 59.24 2:00.92 3:01.28 4:00.27

For DeMont, 16, it was a gold medal and a new world record. Trailing the two leaders and winning the bronze was Genter, 4:01.94, followed by Tom McBreen, 4:02.64; Windeatt, 4:02.93; Brinkley, 4:06.69; Gingsjoe, 4:06.75 and Lampe, 4:06.97.

DeMont had swum the race exactly as he had planned. Cooper might have won had he gone out a little harder on the third 100, for his lead was not sufficient to hold off DeMont who swims his races off the pace to come home in a driving finish. This time he almost ran out of pool space. Genter's swim was outstanding and gave him a bronze to go with his silver won in the 200 free and a gold won in the 4 x 200 free relay. Not bad for a sick man.

Two finals were scheduled for the evening of September 2. The 200 m. backstroke was to be followed by the 200 m. breaststroke. 200 METER BACK: The prelims proved nothing startling. Thirty-six men tried to make the finals, with Roland Matthes, E.G., leading all qualifiers with a 2:06.62 clocking. Mike Stamm, U.S., was close behind with a 2:07.51. Brad Cooper, the outstanding Australian male swimmer, qualified third, 2:07.90 followed by Tim McKee, U.S., 2:08.19; Lothar Noack, E.G., 2:08.80; Mitch Ivey, 2:09.32; Zoltan Verraszto, Hungary, 2:09.89; and Jean Paul Berjeaud, France,

(Continued on page 14)

#### MEN'S RESULTS (Cont'd. from page 13)

2:09.93. Failing to make the finals was number two European, Bob Schoutsen, Neth., 2:10.56.

In the finals, Ivey and Stamm went out fast with Ivey making the first turn at 28.29, almost a half body length ahead of Stamm with defending champion Matthes third in 28.85. At the 100 turn, Ivey's lead had been reduced to a bare stroke by Matthes who made his bid just before the turn. Ivey's split was 59.34 to Matthes' 59.96 with Stamm at 1:00.05. Matthes caught leader Ivey at 125 meters and after the 150 m. turn, Matthes had the race won as he led by a full body length. Stamm was still in third, but he too was beginning to move up on Ivey. The fight to the wall was an event by itself as Matthes equalled his own world mark of 2:02.82. Mike Stamm, who was coming on strong, put on a terrific spurt about 12 meters from the wall and won the silver medal, 2:04.09 pushing Ivey for third, 2:04.33. Cooper, Australia's hope for a gold medal in men's swimming, was timed in 2:06.59, followed by McKee, 2:07.29; Noack, 2:08.57; Verraszto, 2:10.09; and Jean Berjeaud, 2:11.77

Matthes' clocking equalled the world mark he had set earlier this year in July and Stamm's 2:04.09 was the best ever by an American setting a new record. Matthes clearly established himself as one of the true super stars as he so dominates his specialty that he can set a new world standard at his own will.

200 METER BREAST: In the morning prelims for the 200 m. breaststroke, Nobutaka Taguchi, 21-year-old college student who had earlier won the gold in the 100 m. event, had the fastest qualifying time of the 40 entries. Taguchi split 1:09.59 on his way to 2:23.45. David Wilkie, Breat Britain, was a surprise qualifier as he won his heat in 2:24.54, defeating the German champion, Walter Kusch, 2:26.43, the slowest qualifier.

John Hencken led the Americans in the prelims, returning 2:24.88 with Rick Colella at 2:25.40. Mexico's defending champion, Felipe Munoz, qualified fifth, 2:25.99, followed by Soviet swimmer Igor Cherdakov, 2:26.21 and East Germany's Klaus Katzur, 2:26.32.

Brian Job, world record holder in his event and bronze medal winner in Mexico failed to make the finals clocking 2:26.91. Also missing were the Soviet pair, Nikolai Pankin, 2:26.71 and Vladimir Kosinsky, 2:28.0.

In the final, Hencken went out hard and led by a half body after the first turn. At 100 meters, Hencken enjoyed a two body length lead over his teammate Colella, which was reduced to a full body length margin by Colella at 150 meters. John really poured it on for the last 50 and won easily by one and one half body lengths over an onrushing Wilkie who had passed Colella at about 175 meters. Taguchi also came on strong in the last 50 to push Colella to third and simply ran out of pool space as he finished a touch behind the British champion.

Hencken was timed in 2:21.55 for a new world record. His splits: 31.55, 1:08.34, 1:45.35 and 2:21.55. Wilkie's time for the event set a British and Commonwealth record. Taguchi's clocking was 2:23.88, and if ever a swimmer was closely observed by stroke judges, the Japanese swimmer was. His Olympic time also lowered the National Japanese record. Trailing were Colella, 2:24.28; Munoz, 2:26.44; Kusch, 2:26.55; Cherdakov, 2:27.15; and Katzur, 2:27.44. Hencken thus bettered his time of the world mark set in Chicago by one and one half seconds.

Sunday, September 3

On September 3, the finals of the 200 m. individual medley and the 100 m. freestyle would be held to an overflow screaming mob of spectators. For this was the night Spitz must win his sixth gold medal if he was to win the seventh, for the latter on the last night was a cinch since he had already cinched a berth on the medley relay by virtue of his 100 m. butterfly victory.

200 METER INDIVIDUAL MEDLEY: The 200 m. individual medley had an entry of 39 swimmers. East Germany's Wolfram Sperling won the first heat in 2:12.87, but as it turned out, it wasn't quick enough to make the finals. Andras Hargitay, 16, a 6-1/2, 160-pound high school swimmer who is one of Europe's best, won the second heat in 2:10.88, setting an Olympic record. The Hungarian was out in 1:01.58. Sweden's listed world record holder and winner of the 400 m. medley, Gunnar Larsson, won the third heat in 2:09.70, just four-tenths off his world mark shared with Gary Hall.

Fourth heat went to Tim McKee with a 2:10.44 clocking and the following heat to his teammate Steve Furniss, 2:09.97, with the Swede Hans Ljungberg also qualifying in 2:12.46. Gary Hall looked smooth as he stroked to an uncontested win in the final heat returning 2:09.85, setting the stage for a great rematch of the 400 m. medley. Other qualifiers were Mihail Suharev, USSR, 2:11.91 and Juan Bello, Peru, 2:11.70.

In the final, Hall moved out strong to take a body length lead after 50 meters. Furniss was second. At the 100 meter turn, Hall's margin over Furniss and Larsson was two full body lengths, but five meters from the third turn (150 m.) with a tremendous breaststroke leg, Larsson caught Hall and was a stroke ahead going into the final turn. That was the race, as Hall simply didn't have the power to challenge the new leader. In fact, he was again passed by his two American teammates coming out of the turn and swimming about ten meters. Larsson never eased up as he stroked for his second gold to win over McKee, this time by about a body length, who had the smile of good fortune on his side this time touching out Furniss by just over a tenth.

Larsson, the 21-year-old, 6-1, 190-pound blonde, raised his arm in response to the cheering crowd, as his time of 2:07.17 was announced as a new world record. His splits: 28.00, 1:01.07, 1:38.07 and 2:07.17. McKee in winning his second silver medal, almost equalled the listed world mark, as he clocked 2:08.37 (28.43, 1:00.07, 1:38.39 and 2:08.37). Furniss was timed in 2:08.45. Trailing the medalists were Hall, 2:08.49; Hargitary, 2:09.66; Suharev, 2:11.78; Bello, 2:11.87; and Ljungberg, 2:13.56. The latter had climbed out of the pool at the end of the race and joyously jumped into lane four to hug and congratulate his victorious teammate. For Hall, it was a sad ending for a man who had hoped to win two gold medals in the medleys and who had been unable to place in either race. He held on to his lane line for fully ten minutes before climbing sadly from the pool.

100 METER FREE: Less than an hour later, the crowd saw what they came to see. Mark Spitz, certainly the most spectacular and outstanding athlete of the XX Olympiad, won the 100 m. freestyle, and if there was any doubt of his ability to withstand pressure, this race, his last individual effort in his career, removed it.

All 100 m. events have semifinals, and after 41 men had stroked to qualify on the preceeding day, cutoff for the two semi's was 54.25. The only notable casualties from the prelims were Brazil's Ruy Oliveira (54.26) and Australia's Neil Rogers (55.32).

The first semi was a tight dual between Jerry Heidenreich and Vladimir Bure, with Jerry and the Soviet swimmer dead even at the 50, (25.37), with the American coming home strong to win by a few feet. Heidenreich clocked 52.31 to Bure's 52.60 with the Soviet's teammate Igor Grivennikov slipping in for second, 52.55.

In the second heat, Spitz who had lost in the prelims to Australia's defending champion, Mike Wenden, 52.34 to 52.46, again was content to let Wenden win the prelim, 52.32 to his 52.43. Spitz swam his usual race, going out slower than Wenden and building up after the turn to just get nipped at the wall.

Murphy was the last qualifier for the finals, clocking 53.17. In addition to the forementioned competitors, Michel Rosseau, France, 52.82 and Germany's Klaus Steinbach 52.87, also qualified.

For the first time in a final, Spitz did not have lane four. For several minutes, the five-time gold medal winner stared down his lane toward the far end of the pool. Finally the athletes were ordered to the blocks and seconds later they were off in a good start.

This race, Spitz wasted no time in going all out for the turn. He reached the wall first in the fast time of 24.56, almost a half-body ahead of Heidenreich and Bure. The moustached swimmer churned home to maintain the same margin over Heidenreich and Bure to win in the world record time of 51.22, three-tenths under his old world standard. Spitz had now won four individual events and set world marks in all four, plus two relays and two world standards.

Heidenreich went the fastest of his career to win the silver and a place on the medley relay, 51.65, followed by Bure, 51.77 a USSR record. A touch behind was John Murphy who had a great meet, 52.08. Mike Wenden, again bettering his time at Mexico, finished fifth, 52.41, followed by Grivennikov, 52.44; Rosseau, 52.90; and Steinbach, 52.92.

Spitz, still in lane three, raised his arm in a victory salute as the crowd roared approval.

Monday, September 4

1500 METER FREE: The final day of swimming, September 4, will go down as one of the most dramatic of any Olympiad. On the previous day, from a field of 42 men in six heats, eight qualified in the fastest final ever for the 1500 event. Fassnacht, the German champion, was in his final quest for an Olympic medal. All of Hans' hopes were on the 1500 and he was a sentimental favorite among not only his countrymen, but also with the Americans with whom Continued on Page 16

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200 BREAST WINNERS — The top finishers in the 200 meter breast were (left to right) David Wilkie, ofGreat Britain who won a silver medal, gold medal winner John Hencken of the United States and bronze winner Nobutaka Taguchi of Japan. (Photo by Tony Duffy)



he had trained under Don Gambril since the last Olympics in Mexico. Fassnacht had the misfortune to swim in heat one, and though he set an Olympic record, fate was to mock him in this final event as it was not fast enough to win a lane in the finals. Hans was timed in 16:34.63.

The Australians, who outside of Cooper, had showed that their male swimmers were far below the class of their girls and off the Olympics could not be rated number two in world ranking, had all of their hopes on Graham Windeatt. Swimming in heat two, shaved and rested, Windeatt further raised the Aussie's hopes as he lowered the Olympic mark to 15:59.63. Mexico unveiled a fine distance freestyler in Guillermo Garcia who returned 16:29.48 for a Mexican and Central American record.

Mike Burton, the American defending champion, and at 25 the oldest American in the swimming events, qualified easily in 16:09.56, almost 30 seconds faster than his time at Mexico. Australia's Graham White won his qualifying lane by returning 16:19.63 as runnerup to Burton.

The high school swimmer from Tucson, Arizona, Doug Northway, returned 16:15.30 to make the finals and the New Zealand champion Mark Treffers placed second, 16:23.86 for a final berth.

Australia's outstanding 16-year-old silver medal winner in the 400 free, Brad Cooper had little trouble making the finals qualifying in 16:11.41 and Sweden's Bengt Gingsjoe who was second made it with a 16:26.67 clocking.

The pre-event favorite, Rick DeMont, a 16-year-old high school swimmer from San Rafael, Calif., who had won the gold medal in the 400 teased along to qualify in 16:17.61.

The stage was set for the dual between the Americans and the Australians, with an anticipated winning time of about 15:50.

For ten minutes, the start of the Sept. 4 evening session was held up, but neither the press nor the public were aware of the reason. And then came the momentous announcement on the public address system:

"The FINA has decided to eliminate Rick DeMont, gold medal winner over 400 m. freestyle, on proposal of the Medical Commission of the IOC, from his start over 1500 m. freestyle. The ninth of the heat, Guillermo Garcia, Mexico, therefore advances to the final with his qualification time of 16:29.48."

Why?????

On the night before the finals, Swimming World learned that in the urine analysis for doping control immediately after the 400 m. freestyle, a positive result showed up. The American delegation requested that the IOC Medical Commission hear the explanation of the athlete concerned.

It was simply this: DeMont had filled out on his medical form in Washington while being processed by the USOC, that he had an asthmatic condition. His family doctor had prescribed a pill called Marax to help his breathing. The pill contains ephedrine, not



THE OLD MAN — Mike Burton, USA, the oldest man on the United States Olympic team at 25, strolls down deck of pool (center) after winning 1500 race in world record time. Flanked to Burton's right is teammate Doug Northway, 17, who finished third. and to Burton's left is Australia's Graham Windeatt, silver medal winner. (Photo by Tony Duffy)

considered a stimulant, but banned by the IOC's Medical Commission. The urinalysis showed 12 parts in a million, an infinitesimal amount.

The IOC Medical Commission granted the USOC's request for the hearing for the above explanation and reached the following decision as a result of the discussion which took place.

Prince Alexandre de Merode, Chairman of the Commission, said, "Mr. DeMont will not be permitted to take part in the 1500 m. event. The question of whether he will have to return his medal will be submitted to the IOC Executive Commission. The persons accompanying the athlete should be punished according to the recommendation of the IOC Medical Commission, since they were clearly co-responsible for the incident."

Net result... DeMont could not swim the 1500, and he might have to return his gold medal. And the punishment to the persons were never identified. Again, an athlete pays for the sins of his elders. It appears that somebody failed to advise the swimmer either not to take his medicine, or failed to notify the IOC Medical Commission that DeMont was on this medication.

The race... the whole strategy would now change, for DeMont was known for his tremendous finishes. The odds now swung to the Australians with Burton, only third in the U.S. Trials, and an inexperienced Northway to carry the U.S. hopes. Had DeMont been notified prior to his prelim swim, and had the IOC's foolish early entry deadline not been in effect, John Kinsella, already a member of the U.S. team, could have swum the prelims in an effort to qualify.

Burton moved out fast at the 100, just as he planned, and opened a full body length lead over Northway and Windeatt. At 200 meters, Mike had increased the margin to a one and a half body length lead. He maintained a lead of about a body margin over Windeatt for 500 meters, averaging about 1:03 plus. Windeatt started to close the gap at 500 meters and at 700 meters came out of the turn to lead by a stroke. By 800 meters, Windeatt had stroked into a lead of a half body length, increased it to a full body at 900 meters and to one and a half at 1,000 meters as he averaged low 1:03's. Northway in third place was well out of the race, trailing the front-swimmers by more than 10 meters.

At 1100 meters, Burton reduced Windeatt's margin to half a body length and Windeatt began to show trouble as his stroke shortened. Burton had moved as close to the leader as the lane lines would permit. Windeatt knew Burton was at his waist. By 1300 meters, Burton had regained the lead by a half body length as Windeatt had slowed to 1:05 plus while Burton still maintained his 1:03 plus. Burton continued on his pace while Windeatt was unable to bring his lap time down and slipped to one and a half body lengths behind Burton who by now smelled victory and was not about to lose his crown. The 1500 meter kingpin continued to open his margin, still going along on pace as the Australian was unable to regain his powerful stroke. The gap was three and a half body lengths at 1400 meters and four full lengths at the end of the race.

Burton, the "old man" of the team, had displayed guts and determi-

nation that makes Olympic champions as he was timed in 15:52.58, and fastest time ever recorded, 23-hundredths under the mark set by DeMont in winning the U.S. Trials.

The ovation Burton received was earsplitting and after climbing out of the pool, the first man to meet him at the poolside was DeMont who threw his arms around the winner in a warm embrace of congratulations.

Windeatt finished second some ten meters ahead of the Tucson Kid, Northway. The times were 15:58.48 and 16:09.25, respectively. The Australian had set an Australian and Commonwealth record, the third fastest time ever recorded. Gingsjoe, 16:16.01 (Swed. Rec.); White, 16:77.22; Treffers, 16:18.84 (N.Z. Rec.); Cooper, 16:30.49; and Garcia, 16:36.03, finished in that order.

BURTON	WINDEATT	DEMONT (AT TRIALS)
1:00.28	1:01.44	1:02.01
2:03.22	2:04.89	2:05.94
3:06.96	3:08.35	3:10.35
4:10.70	4:11.97	
5:14.48	5:15.48	4:14.61
		5:18.69
6:18.19	6:18.95	6:22.35
7:22.26	7:21.96	7:28.27
8:25.86	8:25.01	8:30.35
9:29.96	9:28.46	9:34.16
10:33.81	10:32.19	10:37.51
11:37.94	11:37.11	11:40.89
12:42.10	12:42.86	
13:45.82		12:44.51
	13:47.96	13:48.00
14:49.57	14:53.59	14:51.27
15:52.58	15:58.48	15:52.91

4 x 100 METER MEDLEY RELAY: The last event of the Olympic program was the men's 4 x 100 medley relay. Fastest qualifying team was the United States with a quartet of Ivey (58.72), Hencken (1:05.10), Hall (55.39) and Fairbank (52.75), 3:51.98, an Olympic record. Australia failed to qualify.

In the finals, as expected, East Germany's Roland Matthes got his team a one and a half length lead over the U.S. as Matthes equalled the world mark with a 56.30 clocking in the backstroke. Stamm went 57.97. But then Tom Bruce took over and made up the margin as he split 1:04.22. Spitz then broke the race wide open as he flew his leg in 54.28 to give anchorman Heidenreich a two length lead. Jerry then piled it on, splitting 51.67 as the U.S. won by 12 meters. The battle was for second and third with the East Germans touching out Canada, 3:52.12 to 3:52.26, both national records, the latter also setting a Commonwealth mark.

Trailing were USSR, 3:53.26 (Rec.); Brazil, 3:57.89 (Rec. and S.A. Rec); Japan, 3:58.23 (Rec.); Great Britain, 3:58.82 (Rec.); and Hungary, 3:39.07 (Rec.).

Spitz had now done more than any other man in any Olympiad. He won his seventh gold medal, set his seventh world mark and clearly established himself as the amateur athlete of the year. He announced his retirement from the sport the following day in a press conference before at least 1500 newsmen and radio and TV. The request to photograph him wearing all seven gold medals was not granted. It is alleged that the rights had been purchased for a large sum by Time/Life Publications. It was also rumored that he will shortly make a motion picture. So for Mark Spitz, there was gold at the end of the rainbow in Munich.

For the U.S. men's swimming team, the medal count is most impressive. Here is the count:

GOLD	1964	1968	1972
SILVER BRONZE	7 out of 10 possible 4 out of 7 possible 3 out of 7 possible	10 out of 15 8 out of 12 8 out of 12	10 out of 15 8 out of 12 8 out of 12

The meet produced a total of 30 world and 84 Olympic records in all heats and finals, men and women. There were 12 world and 15 that will be entered in the final record book.

Counting only the fastest records here are the U.S. count for men:

WORLD OLYMPIC	1964. 7 out of 10 events 8 (100 m. back on relay leg not an Olympic rec.)	1968 2 out of 15 6 out of 15	1972 9 out of 15 10 out of 15
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Wednesday, September 6

On the evening of September 6, the International Olympic Committee stripped the 400 meter freestyle gold medal from 16-year-old Rick DeMont because he was taking a banned medication for an asthma condition.

DeMont won the 400 m. freestyle on September 1, and traces

of the drug ephedrine were found in his urine samples taken after the victory. He had set an Olympic record of 4:00.26. But it took the IOC five days to decide to disqualify the American winner.

The IOC said the medal will go to Brad Cooper, Australia, who finished second in the race.

When told that DeMont was disqualified and he was to receive the medal, Cooper said, "I don't want the medal."

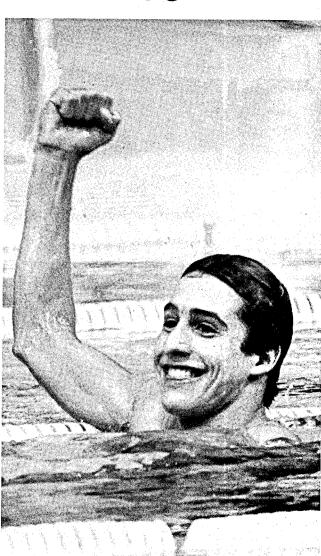
Third place winner in the event, Steve Genter, will now receive the silver and American Tom McBreen who finished fourth, will receive the bronze. In medal counts, the United States lost a gold and gained a silver.

The decision on whether to allow DeMont to keep his medal had been left to the Executive Board of the IOC which ruled against him.

DeMont said he clearly listed the drug on his pre-Olympic forms. It was reported that U.S. officials had failed to clear the drug with the IOC.

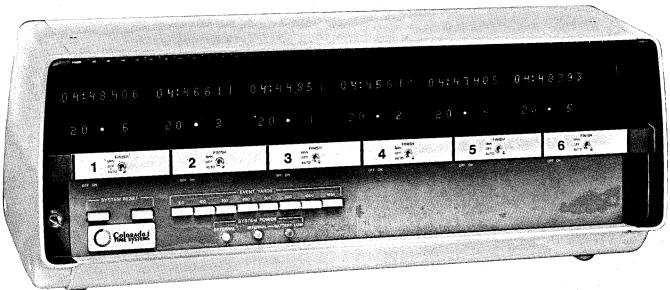
Prince Alexandre de Merode of the Medical Commission said that officials of other teams had taken up the question of the drug, and that all teams had been advised to substitute another medication, but the Americans had failed to do so.





VICTORY CANNOT BE FORGOTTEN—The International Olympic Committee disqualified 16-year-old Rick DeMont from the 1500 and they took away the gold medal he earned in the 400, but the IOC can't take away Rick's memorable and rewarding moment when for awhile, he was the Olympic's best 400 swimmer. (Photo by Tony Duffy)

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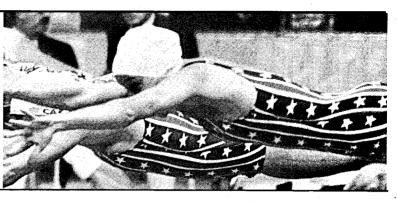
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### women's events



MUNICH, Germany — The United States women's team was a blend of older swimmers and untested youngsters, with the youngest at 15 and the oldest 22. Four girls had participated in the 1968 Games and the squad was one of the smallest of recent Games.

numbering 27.

The big name superstars of yesteryears were absent and only Susie Atwood who had won the backstroke nationally consistently since the 1968 Olympics could be considered a "superstar."

Head coach was Sherman Chavoor of Arden Hills Swim Club and the assistant coach, George Haines of Santa Clara Swim Club. Manager was Dr. John Bogert; assistant was Olive Mucha and chaperone, Anne Supple.

The girls had come on strong at the Chicago Trials and while there were some soft spots, the team had hopes of achieving as much success as the 1968 team in Mexico. Their most formidable rival was Australia's "superstar," Shane Gould, who before the Trials in Chicago, held all of the world freestyle marks. Shane was entered in all four freestyles as well as the 200 m. individual medley, and pre-Game predictions were five gold medals.

#### Monday, August 28

200 METER INDIVIDUAL MEDLEY: The first day, August 28, featured just one final for the women, the 200 m. individual medley. Forty-three girls vied for the finals, with Carolyn Woods, U.S.A., 2:26.98, the slowest of the finalists.

No swimmer had made it from heat one, won by the European record holder, Nina Petrova, USSR, 2:27.20. Heat two saw a great dual between East Germany's Evelyn Stolze and Canada's Leslie Cliff. The East German showed her 1970 form winning in 2:25.45 to the Pan American champion's 2:25.59. Jenny Bartz, U.S.A., won heat three, returning 2:25.83.

Kornelia Ender, 14, East Germany's new find, won heat four in 2:25.39 with Carolyn Woods second in 2:26.89. Lynn Vidali outstroked Japan's Yoshimi Nishigawa 2:24.92 to 2:26.61. Nishigawa

was reported to have been ill.

Shane Gould won heat six easily in 2:26.44 to set up the finals. In the finals, Gould, Ender and Vidali were about dead even at 50 meters, with the German girl perhaps a touch ahead. At the 100, Vidali, strong in the backstroke, went up a length over the field with Ender her closest rival. And then Gould who had been working hard on her breaststroke for the last three weeks surprised Lynn, drawing almost even. If Lynn was to win she had to have a strong lead after 150 meters. At 150 meters Vidali enjoyed a lead of more than a second or about two strokes over Gould and two seconds over Ender. But at 175 meters, Lynn, nervously looking around, saw Gould pass her and then lost her silver as the German champion passed Lynn in the last 10 meters.

Gould in winning her first Olympic gold medal, set a new world mark of 2:23.07. Her splits: 31.07, 1:08.46, 1:51.07 and 2:23.07. This erased one of the oldest marks in the record book, that of

Claudia Kolb's 2:23.5 set back in 1968.

Miss Ender, a 5-7½, 128-pound high school student who had only made the East German team this year, was timed in 2:23.59 while Lynn was timed in 2:24.06.

Trailing the medalists were Jenny Bartz, 2:24.55, Leslie Cliff, 2:24.83, Evelyn Stolze, 2:25.90, Yoshimi Nishigawa, 2:26.35 and Carolyn Woods, 2:27.42.

Miss Gould, the blond, 15-year-old Australian, had swum a very solid race. She has added a little weight since her last competition at Santa Clara, and she seems to have added more strength to her freestyles, having less bent arm in recovery. She appeared to ride a little lower in the water. However, she is so strong that she will be the favorite every time she mounts the blocks.

At the award stand, Shane waved to a thunderous ovation as she clutched her good luck toy, a stuffed Australian kangaroo.

#### Tuesday, August 29

The second day of swimming, August 29, featured finals for the women's 100 m. free and the 200 m. breaststroke.

100 METER FREE: Prelims and semis for the 100 m. free were held on August 28. Fifty-six women contested in six heats for the right to swim off the two semi finals for the final qualifiers.

In heat three, Magdolna Patoh, Hungary, touched out Sandy Neilson, U.S.A., 59.47 to 59.51, equalling the Olympic record. They became the first women to go under a minute for the 1972 event. Shirley Babashoff, U.S.A., in the next heat, promptly equalled the Olympic record as she returned 59.51. Jutta Weber, Germany, brought cheers from the home folks as she won the fifth heat in 59.72. As expected, Shane Gould, swimming only hard enough to win, set a new Olympic record of 59.44 in the sixth and final heat, with East Germany's Andrea Eife, 16, clocking 59.73. The slowest qualifier for the semis was France's Claude Mandonnaud, 1:01.34.

Shirley Babashoff won the first semi in 59.05, setting an Olympic record, as she won by two strokes over Magdolna Patoh, 59.64, with Heidemarie Reineck, Ger., 59.66, Andrea Eife, 59.71 and Jenny Kemp, 59.93 in that order. The second semi was won by Shane Gould, 59.20, followed by Sandy Neilson, 59.41, Gabriele Wetzko, 59.46, Enith Brigitha, Hol., 59.75 and Jutta Weber, 59.90. The cutoff for the finals was 59.75, eliminating Jenny Kemp who had won the U.S. Trials with a 58.63.

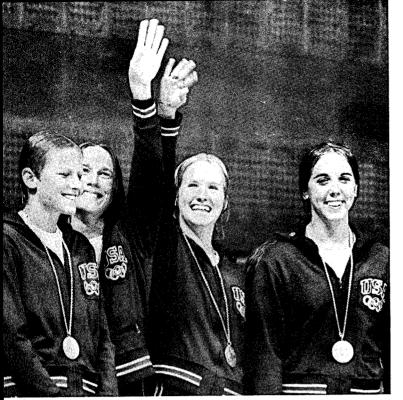
Sandy Neilson,16, had a great start in the finals and went into the turn with about a stroke lead as the eight girls were tightly bunched together. By electronic timing, Gould was third and Babashoff a tick behind. Neilson continued to hold her lead in the last 50 and won by almost a full body length to the roar of the crowd. Babashoff finished strong to touch out Gould for second. Miss Neilson's time of 58.59 was an Olympic record (28.46 at the 50). Babashoff returned 59.02 (29.16) and Gould 59.06 (28.82). Trailing the medalists were: Wetzko, 59.21; Reineck, 59.73; Eife, 59.91; Patoh, 1:00.02 and Brigitha, 1:00.09, as six girls went under a minute.

200 METER BREAST: The final for the women's 200 m. breast-stroke had been preceeded in the morning with six preliminary heats, 39 swimmers. Fastest qualifier was Agnes Kissne Kaczander, Hungary, 2:43.13, an Olympic record. Petra Nows, Germany, was the slowest swimmer to make the finals, 2:45.20 as Dana Schoenfield, U.S.A., qualified fourth, 2:43.97 and Claudia Clevenger, U.S.A., seventh, 2:44.70. Galina Stepanova, USSR, the favorite, qualified fifth, 2:44.20, with her teammate Liudmila Porubaiko and Hungary's Eva Kiss tied for second, 2:43.68. Australia's Beverley Whitfield was in at 2:44.47, sixth. Barbara Mitchell, the third U.S. swimmer, clocked 2:47.05 and was no better than 13th in the qualifying times.

Stepanova led Dana Schoenfield by a full body length after 100 meters of the final. The margin was increased to two lengths at 150 meters over Claudia Clevenger who had moved ahead of Schoenfield, now third. At 185 meters, it was a brand new race as Schoenfield had caught the leader. Five meters from the wall Whitfield edged into the lead and won by about a stroke over Schoenfield who had the same margin over Stepanova. Beverley, clutching her Koala bear on the victory stand had given the women their second upset victory.

Whitfield's 2:41.71 clocking set an Olympic, Australian and Commonwealth record. Schoenfield was timed in 2:42.05 and Stepanova, 2:42.36. Trailing were: Clevenger 2:42.88; Nows, 2:43.38; Kaczander, 2:43.41; Porubaiko, 2:44.48 and Kiss, 2:45.12. The winning splits: 38.37; 1:19.64; 2:01.15; 2:41.71.

Continued on page 20



THE VICTORY SMILE — In the closest finish of any relay, the U.S. quartet of Shirley Babashoff, Jane Barkman, Sandy Neilson and Jenny Kemp (L-R) smile their happiest. For Jane Barkman it was especially a happy moment as she became the first girl ever to swim on two successive 4 x 100 freestyle medal Olympic relays. (Tony Duffy photo)

4 x 100 METER FREE RELAY: Heats for the women's 4 x 100 m. freestyle relay were held on August 29. The U.S. team of Kim Peyton (1:00.12), Lynn Skrifvars (1:00.60), Jane Barkman (59.39) and Ann Marshall (58.51) while winning heat two were not as fast as the East Germans (Eife, Eichner, Sehmisch and Ender) who won heat one, 3:58.11 to the U.S. clocking of 3:58.93.

Other qualifiers were: Germany, 4:01.63; Holland, 4:02.70; Sweden, 4:03.99; Hungary, 4:04.29; Australia (without Gould), 4:05.44; and Canada, 4:05.95.

Wednesday, August 30

The first women's event on August 30, were the finals. Neilson led off for the U.S. and gained a stroke margin for the second American girl, Jenny Kemp. Kemp had a bad relay takeoff and the U.S. led by only a touch at the end of 200 meters. It was about even between the East Germans and the U.S. after Barkman's leg. Babashoff then took off and didn't help matters when she turned poorly at 350 meters, nearly missing the wall. But the American girl rallied and came from behind in the last five meters to win by a touch over Ender who swam the East German anchor.

The clocking of 3:55.19 set a new world mark. The splits: Neilson 58.98; Kemp 58.99; Barkman 59.03; Babashoff, 58.18. The running splits: 58.98; 1:57.97; 2:57.01 and 3:55.19. East Germany set a European and national mark with a 3:55.55 clocking (Wetzko, 59.23; Eife, 58.96; Sehmisch, 59.08; and Ender, 58.27).

The bronze went to Germany, 3:57.93, followed by Hungary 4:00.39, Holland, 4:01.49, Sweden, 4:02.69, Canada 4:03.83 and Australia 4:04.82. All the relay finalists set national records.

In finishing last, Australia, anchored by Shane Gould did not have a girl break a minute. It appeared that the team was just going through the motions to give Shane Gould a warmup swim before the 400 m. event which was to follow in about an hour. Shane, with her team hopelessly out of it warmed up with a 1:01.00.

400 METER FREE: There were five heats needed to time the 39 swimmers entered in the women's 400 m. freestyle. Jenny Wylie, U.S.A., won the first heat, setting a new Olympic mark of 4:27.53, followed by Holland's Anke Rijnders, 4:29.94. Shirley Babashoff won the second heat in an easy swim of 4:31.98, in fact so easy, she was the last qualifier. Karen Moras, third place finisher in this event in Mexico, finished second in 4:36.14 and failed to make the finals. Miss Moras was swimming as poorly as her teammate Gould was brilliant. She had conceded the Games to Gould.

Shane Gould, in quest for her second gold medal, breezed through the third heat, qualifying in 4:28.46, as Holland's Hansje Bunschoten could go no faster than 4:31.76 and failed to make the cutoff. Italy's Novella Calligaris, 18, showed that she would be in medal contention as she ripped off the fastest clocking, 4:21.14, to win the fourth heat. The time established an Olympic record. Keena Rothhammer, 4:24.82 and East Germany's Gudrun Wegner 4:25.13 followed and rounded out the qualifiers for the evening final.

In the final, Gould wasted no time in taking command of the race. At 100, she split 1:01.50 to go ahead of Rothhammer by three fourths of a body lead. The rest of the field was tightly bunched with Babashoff dead last, tired after her heroic finish to win the

gold in the earlier relay.

At 200 meters, Gould was timed in 2:07.04 and had increased her margin over the American girl to one-and-one-half lengths. Calligaris was now third, a stroke ahead of Wegner. At 300 meters, the leader was two-and-a-half body lengths ahead of Calligaris and Rothhammer. Wegner was several strokes behind the two runnersup. Gould continued to power her way for the gold as her strong arm pull and two beat kick widened the gap with every stroke. The split at 300 meters was 3:13.55. As Gould swept into the finish a good ten meters ahead of her nearest rivals, a battle for second was developing between Calligaris and Wegner, as Rothhammer was now completely spent after attempting to keep up with the winner's fast pace. Calligaris hung in and won the silver, with Wegner the bronze, two strokes behind the Italian. Babashoff who was dead last after 200 meters came on strong in the last 100 meters and was fourth.

Gould's winning time of 4:19.04 was a world mark. Calligaris could have been elected queen of Italy after she won the silver medal, the first by an Italian girl in Olympic swimming ever. Novella's time was 4:22.44. For the silver medal winner, a tiny 5-4, 111-pound swimmer who had never quite reached the heights either in the European Championship in 1970 or in competition in the United States, it was a remarkable feat, for many coaches and experts had predicted she never could be a great swimmer because of her size. Her clocking set an Italian and European record.

Miss Wegner, 17, 5-9, 145 pounds, set an East German standard

with her 4:23.11 clocking.

Trailing were: Babashoff, 4:23.59; Wylie 4:24.07; Rothhammer, 4:24.22; Bunschoten, 4:29.70; and Rijnders, 4:31.51.

Miss Gould, again clutching her stuffed kangaroo, proved to be a popular winner as the capacity crowd gave her a tumultuous ovation, and well they should, for she won a race in which seven girls went under 4:30, the fastest field ever. The winning time by Debbie Meyer in 1968 was 4:31.8. Gould's last 100 meters was 1:05.49 and Babashoff's 1:03.62.

Thursday, August 31

Alternating with the men, the women enjoyed but one final on August 31, the women's 400 m. individual medley. This was supposed to be one of America's strongest events, and there were even hopes of double medal winners.

400 METER INDIVIDUAL MEDLEY: Thirty eight women in five heats were contested in the morning. Heat one was won by Australia's Gail Neall, 5:11.89. The second heat was won by the Dutch girl, Hennie Pentermann, 5:14.99 as she came from behind to win by a few feet over East Germany's Marlies Pohl, 5:15.38. Lynn Vidali dualed Novella Calligaris in heat three and won, clocking 5:09.67 to the Italian girl's 5:11.16. Evelyn Stolze showed her 1970 form as the East German clocked 5:06.96 for an Olympic record, nosing out Jenny Bartz, 5:07.31, followed by the Soviet Nina Petrova, 5:13.42. Leslie Cliff, Canada's 1971 Pan American champion, won the fifth and final heat, 5:08.37 with Mary Montgomery in with a 5:13.62, a far cry from her brilliant 5:04.96 set at the U.S. Trials and making the last to qualify.

In the finals, Neall started strongly, and after the butterfly leg, she had swum to a stoke advantage over the American pair of Bartz and Vidali.

At the end of the backstroke, Calligaris had moved into second, two and one half lengths behind the Aussie leader. Montgomery and Bartz were now still a few more feet behind the Italian. At 300 meters, Bartz had moved back into third place and trailed Leslie Cliff, the new runnerup by a stroke, while Cliff had a full length to make up if she wanted to catch Neall. Cliff did that, and by 350 meters she had a stroke edge as the leaders went into the turn. But Neall came driving off the wall and Leslie was unable to hold off the Aussie who, sensing a gold medal, stormed home to win by about a body length. Cliff held off a fast closing Calligaris for second, as the heroine from Padova, Italy took the bronze.

It was an outstanding semi. Neall ripped the world record of 5:04.7 by Claudia Kolb set in 1968 from the books, as she clocked 5:02.97, faster by more than seven seconds than her own previous best. The world record splits: 1:08.64; 2:25.33; 3:55.51 and 5:02.97.

Cliff's time of 5:03.57, also breaking the world mark, set a Canadian record. Calligaris was the bronze winner and the mighty mite, also under the old world standard, set an Italian and European record. Trailing the medalists were: Bartz, 5:05.56; Stolze, 5:06.80; Montgomery, 5:09.09; Vidali, 5:13.06 and Petrova, 5:15.68.

It was a disappointing event for the Americans who had won the event ever since it had been added to the program in 1964. For the Australians, it was another great performance by one of their swimmers who before the meet hadn't been seriously considered a gold medal threat.

Friday, September 1

The 100 m. butterfly and the 200 m. freestyle finals were scheduled for September 1. The heats and semis for the fly had been held the preceding day.

100 METER FLY: Thirty girls swam in four prelims. Dana Shrader, U.S.A., in a close contest with Germany's Edeltraud Koch, won heat one, 1:05.09 to 1:05.29. Then Hungary's Andrea Gyarmati set an Olympic record in winning the second heat, 1:04.1 with the 16-year-old East German, Roswitha Beier a close second, 1:04.34, after leading for half the race. Deena Deardurff, U.S.A., by three hundredths of a second won the third heat over East Germany's Rosemarie Kother, 1:04.80 to 1:04.83. Heavily favored Mayumi Aoki, Japan won the final prelim, 1:04.00 to America's Ellie Daniel's 1:04.33. The Japanese clocking equalled the Olympic record.

To swim in the semifinals, it took a 1:07.44 as more than half of the original entry would swim again for the eight final places.

Gyarmati won the first semi, 1:03.80, a world record. Her time at the 50 was 29.49. Trailing were Beier, 1:04.36, Shrader, 1:04.54 and Kother, 1:04.64.

Deardurff won the second semi, 1:03.97 followed by Aoki, 1:04.11, Daniel, 1:04.25, Beckmann, 1:04.52 and Asano, 1:04.53. Shrader was the last girl to make the finals.

In the race for the championship, Beier got away very fast and turned first by about a stroke. Shrader was second by an eyelash with the rest so bunched up you couldn't pick them apart by eyeball, except that Deardurff was last after getting a poor start.

Beier held her lead till ten meters from the wall when Aoki surged ahead to win by less than a stroke as the first three finishers all broke the world record. Aoki was timed in 1:03.34 (30.34 split). Beier won the silver by an electronic wink, 1:03.61 to Gyarmati's 1:03.73 for the bronze, the former setting an East German and European record. Gyarmati's clocking set a Hungarian record.

Deardurff did the best time by an American ever, setting a new national record of 1:03.95 as she electroniced over Shrader, 1:03.98. Daniel, 1:04.08, Beckmann, 1:04.15 and Asano, 1:04.25, trailed.

It was a great victory for Japan as they won their first women's Olympic gold medal ever and Aoki set the first women's world record for Japan since Tanaka held the backstroke mark back in 1963.

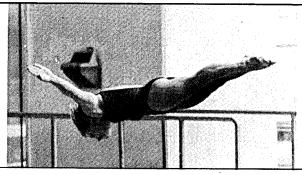
It was another heartbreaking loss for the Americans who have owned the event since it was added to the Olympic program in 1956. But all did their best times, and it took world record performances to thwart their quest for Olympic glory. Deardurff's first place finish among the Americans earned her the fly leg on the medley relay.

200 METER FREE: Thirty-three girls in five heats battled for the finals in the 200 m. freestyle. The prelims started off with Ann Marshall, U.S.A., setting a new Olympic record of 2:08.12 to win the opening heat, trailed by Karin Tuelling, E.G., 2:09.01. Heat two went to Holland's Anke Rijnders, 2:09.09. Keena Rothhammer further lowered the Olympic mark by winning heat three in 2:07.48, trailed by Holland's Hansje Bunschoten, 2:08.58. Shane Gould, effortlessly, won the fourth heat in 2:07.95. The final heat was the quickest as 16-year-old Andrea Eife, E.G., still further lowered the Olympic mark to 2:07.05 with Shirley Babashoff qualifying in 2:08.48.

In the finals, 16-year-old double gold medal winner Gould hit the first turn ahead by a touch, and she was never headed. By the mid-point, she was one half body length ahead of Babashoff,



### diving



By DICK SMITH Diving Coach, Arizona State

MUNICH, Germany — Before I talk of diving I must speak of the "72" Olympic Games with sorrow, respect and regret. I cannot help but condemn with disgust the behavior and disrespect shown by a few of our own U.S.A. athletes, as well as some of those from other countries. Also biased and prejudiced attitudes of unrealistic proportions were shown by a few officials and judges in favor of, or against specific countries and/or individuals.

The bending of rules and the taking advantage of opportunities and circumstances to create loopholes off the field of competition seemed to be apparent almost everywhere you looked. It made me ask myself a question. Who are the Olympic Games for? The athlete, the official, the administrators, the spectators, or who? What does, or what can, the participant get out of the Olympic Movement if the Games continue with this pattern which is certainly causing decay in the only activitity left for this troubled world to participate in together and collectively?

I've returned home with a lesson learned, a message, and a vow to work harder than ever before for the preservation and for the true concept of sportsmanship.

The message—the great importance of the World Olympic Games lies in its code, "Let all those who participate—athletes, coaches and officials—abide by the Code or forever be barred form the Olympic Games."

Some great men, during the ceremony honoring the dead Olympians and the police who lost their lives by the violent, cowardly and inhuman acts created at the Olympic Village, expressed themselves with sincere, intelligent words directly from their hearts.

Mr. Brundage boldly said in a few short sentences that in order for those who died in vain, and for the preservation of the World of Sport, the Olympic Games must go on. And also, that for their preservation they must be rid of political blackmail, commercialism and professionalism forever.

I firmly believe in his statements and that we must all work toward the true Olympic concept and try to eliminate the biased and prejudiced phases of our sport that exist. Some say that this is impossible. It may be, but we must try. We've got to practice it, and make it work in our own back yard before we can expect the neighbor across the fence, in a foreign country, to go along with us. We've got to stop saying that it won't work—and find a way to make it work, or get out of the way and let someone else do the job. It can and will be done.

The Munich Games were held in the most beautiful and well-equipped athletic facility in the world. The Olympic Village and the accommodations were more than a coach or athlete could ever hope for. The Games got off to a tremendous start with a stupendous opening ceremony. At the start, attitudes, hopes, emotions and dreams seemed to be in accord with the true spirit of the Olympic Games. Smiles, greetings of old acquaintances and the making of new ones added to the pre-game spirit. The stage was set by the Germans for the greatest Olympics ever.

All of a sudden it happened—erratic changes started taking place immediately after the first couple of days of competition. As an observer, it seemed that the spirit and the enthusiasm of many of the athletes seemed to be breaking down. This all started to take place before the terrible massacre by the Guerrillas.

Various problems were beginning to develop in different areas of activity. Indiscreet officiating and judging were beginning to be the talk of the day. Biased judgments and decisions were being accused and some were apparently proven to be so by reports, replays of television and by actual analysis of awards given. Many

Continued on page 35

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#### WOMEN'S EVENTS (cont'd. from page 21)

Rothhammer and Marshall who were bunched together as one. Gould had open water at the 150 meters and she came home in a solid 2:03.56 to break the pending world mark of Babashoff's by almost two seconds. Her clocking was 2:03.56 (29.23, 1:00.04, 1:32.29 and 2:03.56). Shane's last 100 was 1:03.52. Silver went to Babashoff, 2:04.33, an American record and also under the pending world mark (29.69, 1:01.44, 1:33.30, 2:04.33) Shirley's last 100 was 1:02.89. Rothhammer, also under the world mark returned 2:04.92 for the bronze. Trailing were Marshall, 2:05.45; Eife, 2:06.27; Bunschoten,2:08.40; Rijnders, 2:09.41; and Tuelling, 2:11.70.

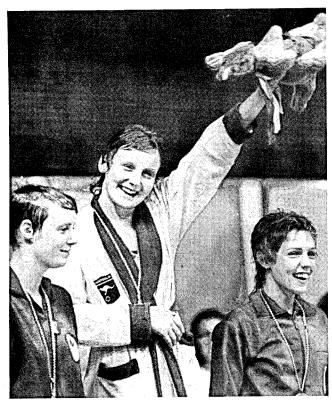
The win by Gould was most impressive and it is not too difficult to foresee that the time for this event will come under two minutes, probably by Gould or Babashoff. With three golds, Shane had now equalled Debbie Meyer's achievement in the 1968 Games.

#### Saturday, September 2

The 100 m. backstroke and 100 m. breaststroke finals were scheduled for September 2. Prelims and semifinals following the schedule for this Olympics were the day previous.

100 METER BACK: Thirty-seven girls, five heats made up the entry for the 100 m. backstroke. Melissa Belote, U.S.A, easily won heat one, clocking 1:06.60 with Soviet champion Tinatin Lekveishvili runnerup in 1:07.84. Canada's Wendy Cook won heat two, 1:07.00 with Australia's Sue Lewis in at 1:08.06. East Germany's Christine Herbst won heat three, 1:07.96 with U.S.A.'s Susie Atwood and Australia's Debbie Cain runners-up, 1:08.30 and 1:08.81. Andrea Gyarmati, Hungary and Holland's Enith Brigitha had quite a race in heat four with Andrea, the European record holder coming from behind to win in 1:06.56 to Enith's 1:06.71. Annegret Kober, 1:08.24 and Angelika Kraus, 1:08.92 both from Germany, trailed. Donna Marie Gurr, Canada, outtouched Karen Moe to win the final heat, 1:07.45 to 1:07.69, with Germany's Silke Pielen third, 1:07.70. Slowest qualifier for the semis was Holland's Marianne Vermaat, 1:09.14.

Miss Belote set an Olympic record in winning the first semi, clocking 1:06.08 as she barely outtouched Susie Atwood, 1:06.26 and Karen Moe, 1:06.27. Only other girl to qualify for the final from this semi was Wendy Cook, 1:06.89.



FROM THE LAND OF DOWN UNDER — Gail Neall proudly waves her kangaroo mascot in acknowledging the cheers after her outstanding victory in the women's 400 m. individual medley. Miss Neall's 5:02.97 set a new world mark. On the left is Canada's Leslie Cliff who finished second and at right is Novella Calligaris, Italy, third (Tony Duffy Photo)

Miss Gyarmati took control of the second semi and swam a solid 1:06.39 to outtouch Miss Brigitha, 1:06.49. Silke Pielen, 1:06.98 and Christine Herbst, 1:07.34 were the last two to make the finals. In the finals, Miss Belote had a fine start and at the 50 meter turn had managed to stroke herself into a half stroke lead. Closely bunched no more than a touch behind the leader were Miss Gyarmati and Miss Brigitha. Susie Atwood had another poor start and was no better than seventh at the turn. Miss Moe was in the middle of the pack. Coming out of the turn, Miss Belote continued to apply pressure and pulled away from the field to win by one half length over Miss Gyarmati who needed an electronic eye to gain the silver over a fast finishing Atwood. The times of the first three were 1:05.78, 1:06.26 and 1:06.34, with the winner's clocking setting a new Olympic mark. Trailing the medalists were Moe, 1:06.69, Cook, 1:06.70, Brigitha, 1:06.82, Herbst, 1:07.27, and Pielen, 1:07.36.

The win for Miss Belote assured her the backstroke leg on the girls 4 x 100 m. medley relay. For Miss Gyarmati, her clocking set a Hungarian and new European mark, and for Miss Brigitha and Miss Herbst, their times set national Dutch and East German

marks, repectively.

100 METER BREAST: The second final of the evening was the 100 m. breaststroke.

Forty swimmers, five heats were entered in this event with the Soviet swimmer, Galina Stepanova rated the one to beat for the Gold medal. Heatone was won by Liudmila Porubaiko, USSR, 1:17.4, followed by Renate Vogel, East Germany, 1:17.33 and Beverley Whitfield, Aus., winner of the 200 m. event, 1:17.59.

Aus., winner of the 200 m. event, 1:17.59.

Judy Melnick, U.S.A., 1:16.75, Verena Eberle, Ger., 1:17.67 and Lynn Vidali, 1:18.80 were the top finishers in heat two.

Heat three went to Dorothy Harrison, G.B., 1:16.99, followed by teammate Christine Jarvis, 1:18.27 and Sylvia Langer, E.G., 1:18.29.

Galina Stepanova won heat four in 1:17.18, followed by Jeanette Pettersson, Swe., 1:17.83 and Eva Kíss, Hun., 1:18.57.

Cathy Carr and Agnes Kissne Kaczander, Hun., highlighted the final heat with Carr the winner in 1:16.01 and the Hungarian champion in 1:16.52 with Sweden's Marie Britt Smedh, 1:17.25, and Erika Ruegg, Switz., 1:17.95.

Miss Kiss was the slowest of the entires to qualify, her 1:18.57 being the cutoff for the semi finals.

Miss Stepanova won semi one, taking the lead at the start and winning by a half stroke, 1:15.89 to Miss Kissne's 1:16.34. Dorothy Harrison, 1:16.53 and Verena Eberle, 1:16.76. followed.

Miss Carr and teammate Melnick went at it in the second semi. They turned together, with no difference between them, followed by the dangerous Whitfield. However, Miss Carr took charge after 75 meters and increased the tempo of her stroke. She came home in 1:15.00, a new Olympic record. Melnick was second, 1:16.22, followed by Whitfield, 1:16.26 and Britt Smedh, 1:16.67.

In the finals, Cathy wasted no time in establishing her superiority as she turned first in 35.00, a stroke faster than Stepanova, 35.51. But there was no catching Cathy as she opened a margin of a full body length at the finish over Stepanova. Cathy's time of 1:13.58 set a new world mark. Stepanova was timed in 1:14.99 for the silver followed by Whitfield, 1:15.73 (Australian and Commonwealth record). Runnersup were Kissne, 1:16.26; Melnick, 1:16.34; Eberle, 1:17.16; Smedh, 1:17.19; and Harrison, 1:17.49. It was a remarkable win for Miss Carr, who in 1971 was ranked but 20th, 1:17.83. Her clocking erased the world mark of 1:14.2 by Catie Ball back in 1969.

Sunday, September 3

Two events were programmed for September 3. The first was the women's 800 m. freestyle and Shane Gould was expected here to add her fourth gold to her medal collection.

800 METER FREE: Thirty-six girls, five heats were swum on Sept. 2. Novella Calligaris set an Olympic mark in heat one, clocking 9:02.96. Keena Rothhammer further lowered the mark in heat two by clocking 8:59.69 with Hansje Bunschoten, 9:21.13. Ann Simmons swan a solid 9:11.94 to win the third heat. Gould came right back in heat four and was timed in 9:10.84 after an interesting dual with Gudrun Wegner, 9:11.32, who led for 400 meters. Jo Harshbarger won the last prelim, 9:14.46. The final qualifier was Narelle Moras, sister of Karen who failed to qualify. Narelle was timed in 9:17.95.

In the final, Calligaris went out hard and took the lead after 100 meters, her margin about a half body length over Gould. But Gould reduced this and at 200 meters, Calligaris had but a stroke lead. Simmons was right in there not much more than a stroke behind

(Continued on page 24)

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Gould. At 300 meters, the Italian girl had again built up a half length lead over Gould with Simmons at Gould's shoulder. Calligaris still had the same lead at the midway point of the race, but Rothhammer had now pulled up to Gould's shoulder and along with Simmons, were challenging for second. At 500 meters, Rothhammer had taken the lead with Calligaris and Gould was now trailing the American by almost a half length. Simmons was still about a stroke behind Gould who was in third. At 600 meters, Rothhammer moved into a commanding full length lead over Gould who trailed Calligaris by a stroke. Keena maintained her pace and at 700 meters she had increased her margin to two lengths over Gould and Calligaris who were just about dead even with Simmons, still a half length behind the two second place swimmers. Gould failed to diminish the margin after the bell had sounded for the last lap, and at 750 meters had been further dropped to two and one half lengths with Simmons coming on strong to make one last run for a medal. Gould had managed to clear herself of Calligaris who was one half length behind, and swimming for her life to hold off Simmons. Ann just just ran out of pool, as Calligaris was able to touch her out for third. Rothhammer had continued to swim hard and won by two and one half lengths in the world record time of 8:53.65. Gould set an Australian and Commonwealth record of 8:56.39 for second and Calligaris set an Italian and European record of 8:57.46. Simmons, 8:57.62 and Wegner, 8:58.89, made this the fastest event ever as five girls finished under nine minutes and four under the listed world mark of 8:58.1. Harshbarger, 9:01.21; Bunschoten, 9:16.69; and Moras, 9:19.06 rounded out the finalists.

The loss by Gould cost her the chance to win her fourth gold medal. Her Olympic record shows three gold, one silver and one bronze, the most outstanding woman athlete of the swimming events.

A comparison of splits:

Rothhammer	Gould	Calligaris	Simmons
1:05.24	1:04.86	1:04.15	1:04.92
2:12.72	2:11.66	2:11.01	2:11.80
3:19.84	3:19.18	3:18.65	3:19.32
4:27.41	4:27.34	4:26.67	4:27.28

5:34.56	5:35.30	5:34.51	5:35.63
6:40.58	6:42.51	6:42.22	6:43.62
7:47.04	7:50.25	7:50.33	7:51.24
8:53.68	8:56.39	8:57.46	8:57.62

Rothhammer, who had tried to stay up with Gould in the 400 m. race, changed her tactics for the 800, and they paid off. She went out easy and built up her pace and stroke so that she could come home strong the last half, and though fearful of a last minute burst by Gould, won by a very impressive margin. Gould's problem was mainly in training for so large a spread, 100 m. to 800 m. She couldn't do it all.

4x100 MEDLEY RELAY: The U.S. team was heavily favored to win the 4 x 100 medley relay and the odds were even higher that they would demolish the world record after the alternates had set an Olympic record in winning the second heat in 4:27.57. This quartet was composed of Atwood (1:07.30), Melnick (2:23.78), Shrader (3:28.49) and Babashoff (4:27.57). Second fastest qualifier was East Germany, 4:27.58 in heat two, who couldn't have been beaten by a closer margin by the Americans.

Russia won heat one in 4:30.35, followed by Sweden, 4:31.88, Holland, 4:32.20 and Germany, 44:33.37. Japan and Canada were the other countries to make the finals, with times of 4:30.34 and

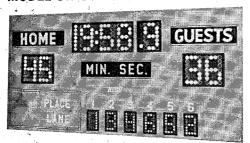
4:31.87, respectively, in heat two.

In the final, Belote would gain no more than a touch margin over Brigitha who swam the backstroke for Holland, with the East German's Herbst only a stroke off the pace. Then Cathy Carr went to work and the race was over after her breaststroke leg as she opened a full length lead over Stepanova who moved her team into second place with East Germany dropping back to third. Deardurff increased the margin to three lengths after the fly, with East Germany now in solid for second by a full length over Germany who had but a touch lead over the Soviets. Neilson raced home with the same lead at the finish, three lengths, as East Germany eeked out

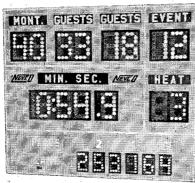
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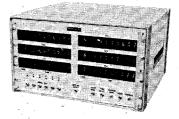


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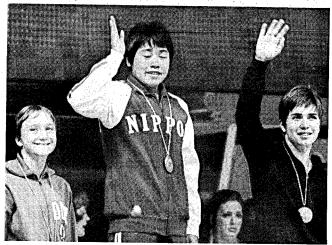
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A GOLD FOR THE RISING SUN — For the second time, a woman swimmer from Japan won an Olympic gold medal. Mayumi Aoki (center) acknowledges the ovation from the crowd after winning the 100 m. butterfly. She is flanked on the right by Andrea Gyarmati, Hungary who was third and Roswitha Beier, East Germany, second. (Tony Duffy photo)

a second place by a stroke over Germany, with Russia fourth, about one half length behind.

The U.S. team set a world mark of 4:20.75. The splits: Belote, 1:06.24; Carr, 2:20.23 (1:13.99); Deardurff, 3:22.84 (1:02.61); and Neilson, 4:20.75 (57.90).

East Germany was timed in 4:24.91 for a European and East German record. Germany set a German record, 4:26.46. Trailing were Russia, 4:27.81; Holland, 4:29.99 (Rec.); Japan, 4:30.18 (Rec.); Canada, 4:31.56 (Rec.); and Sweden, 4:32.61 (Rec.).

The win by the U.S.gave Miss Belote and her teammate Miss Carr two gold medals each and Miss Neilson three.

Australia, sans Shane Gould in the prelims, failed to qualify for the finals as the Aussies could go no better than 4:33.96 for ninth.

MONDAY, SEPTEMBER 4

The final day of swimming in the XX Olympiad, September 4, featured the 200 m. butterfly and the 200 m. backstroke.

200 METER FLY: Twenty-four girls, 4 heats made up the entry for the 200 m. fly. Rosemarie Kother, East Germany's European record holder won heat, 2:18.32, setting a new Olympic record, as she was just a little more than two seconds off the world mark. Trailing was Japan's gold medal winner in the 100, Mayumi Aoki, 2:23.01. Ellie Daniel won the second heat, still further lowering the Olympic mark, 2:17.18. Lynn Colella, U.S.A., was the third heat winner, returning 2:18.80 with Noriko Asano, Japan, 2:20.09 and Gail Neall, Aus., 2:23.21 runnersup who would make the finals, the latter being the slowest of all qualifiers.

Karen Moe clocked 2:18.15 to cinch her spot in the finals as only Helga Lindner, E.G., 2:20.00, was also able to qualify for the finals from this final heat.

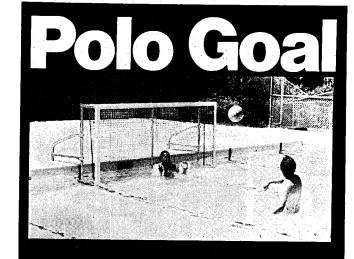
In the race for the glory, Ellie had a fast start and at 50 meters was a stroke better than Aoki with Asano, Moe, Colella and Kother bunched up very tight. At the 100, Kother had stroked into the lead, with Ellie about a stroke behind, with Moe a stroke behind Ellie, and Aoki now in seventh place. Kother increased her lead to about a half length over Ellie as she approached the 150 m. turn, but coming out of her turn, fell back to fourth as Ellie by the length of a finger nail hung on to her lead over Moe. Colella was now third, a few feet ahead of Kother. As they raced the last 50 meters, Moe passed Ellie at about 170 meters, and then Colella passed Ellie who tired in the last 30 meters. Moe continued strong to win by a length with Colella able to hold on to a stroke margin over Daniel.

In winning, Moe set a new world record of 2:15.57. Colella also went under the world mark as she posted 2:16.34 and Daniel, who gave the Americans a sweep of the event was only a tenth over the mark as she clocked 2:16.74. The world record splits: 31.49; 1:06.22; 1:40.92; 2:15.57.

Kother returned 2:17.11 for a European and East German record. Asano, 2:19.50 (Rec.); Lindner, 2:20.47; Neall, 2:21.88 (Rec.); and Aoki, 2:22.84 trailed in that order.

What an amazing turn of events in the fly! Here was a great showing by the Americans, who in sweeping the event, completely reversed the order of finish that befell them in the 100 m. event when they were shut out of the first three places.

(continued on page 26)



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Jim Millen - Swimming Coach Schoolcraft College, 18600 Haggerty Road Livonia, Michigan, 48151 Ph. 313 — 591-6400 ex. 400 200 METER BACK: The final event in the swimming program for women was the 200 m. backstroke, and the momentum was with the Americans who had won the last five events. They were favored to win the backstroke and could possibly win two of the three medals.

Thirty-seven swimmers in five heats were set to swim for the eight final berths. Germany's Annegret Kober won the first heat, 2:24.88. Susie Atwood easily won heat two, 2:22.13, setting a new Olympic record. She was trailed by Deborah Palmer, Australia, 2:24.25. Leslie Cliff, Canada, won the third heat, 2:25.08. Enith Brigitha, Holland won heat four, 2:23.70, followed by Donna Marie Gurr, Canada, 2:25.33, and the latter's time was the cutoff for the finals. Melissa Belote won the fifth heat and her 2:20.58 clocking set a new world standard. Christine Herbst, EG, 2:25.09, also qualified

In the finals, Belote went out strong and by the first turn had a stroke margin over Kober and Brigitha. At 100 meters, Belote was a full length ahead of Atwood while the rest were led by Brigitha who was half a length behind Atwood. At 150 meters, Belote had increased her margin to almost two lengths over Atwood and the others were hopelessly out of the race with Gurr, third, almost a length behind the second place swimmer. Atwood tried to overtake the leader coming out of the last turn but the best that she could do was reduce the final margin to three fourths of a length as Belote won in the world record clocking of 2:19.19. Atwood finished two lengths ahead of Gurr, 2:20.38 to 2:23.22, with the latter just holding on to touch out Kober, 2:23.35. Atwood had also gone under the listed world mark, and Kober set a European and German record.

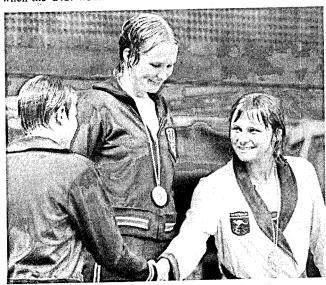
Trailing were Herbst, 2:23.44 (E.G.Rec.); Brigitha, 2:23.70 (Holl. Rec.); Palmer, 2:24.65; and Cliff, 2:25.80.

For Miss Belote, it was her third gold medal, her second individual world record with a third world record as a member of the U.S. medley team. The U.S. had now won the last six women's races and after a faltering start were maintaining the number one rank in world class swimming. Australia, led by Shane Gould with great swims by Beverley Whitfield and Gail Neall, lacked the overall team strength of the East Germans if relays are an indication of team ranking. The East Germans showed several young swimmers who up to this year were unranked and not known beyond the borders of the GDR. Both Australia and East Germany will be strong threats in the World Championships next summer at Belgrade, Yugoslavia.



The U.S. women's swimming team, which started so poorly found themselves in the final days of competition and won six straight events, to give them a total of eight gold medals out of a possible 14; five silver out of a possible 12 and 4 bronze out of a possible 12. The U.S. mermaids set six new world standards and world standards and eight Olympic records.

This record tally compared favorably with the 1968 Olympics when the U.S. women's team won 11 gold out of 14, seven silver



SHANE GOULD IN ONE OF HER RARE NON WINNING PERFORMANCES. Here she congratulates Shirley Babashoff (L) on placing second to the winner Sandy Neilson, USA, (center) who won the 100 m. freestyle, with Babashoff also defeating the Australian super star. (Tony Duffy Photo)

out of 12 and eight bronze. But the medal count was spread out this year, and the Australians, headed by the incomparable Shane Gould who won five, won five gold, one silver and two bronze; Japan, one gold; Italy, thanks to Calligaris, one silver and two bronze; Hungary, one silver and one bronze; East Germany, four silver, including runnerup in both relays, and one bronze; Canada, one silver and one bronze; Russia, a silver and a bronze; and Germany, a bronze in both relays.

In addition tm the six world marks set by the Americans, five others were set, three by Gould, one by Neall, and one by Aoki.

Sherman Chavoor, head women's swimming coach said, "The Games were tremendous. I honestly believe that our girls came through and did a great job. Sure, we didn't win as many medals as we did at Mexico, but the world is catching up."

He added, "We now train many foreign athletes and through our clinics and seminars, we have told every one the secrets of our success.

"I thought that the facilities and living conditions were outstanding. We had no problems except many of our youngsters when they first arrived at the Village, didn't realize the value of resting.



HAPPINESS IS AN OLYMPIC GOLD MEDAL — The U.S. women's 4 x 100 medley relay set aworld record as they easily won the event in 4:29.75. The victory parade is a climax to their great swim. (L-R) Cathy Carr, Melissa Belote, Sandy Neilson, Deena Deardurff. (Tony Duffy Photo)

#### LAKE ERIE DISTRICT AAU WINTER SWIMMING AND **DIVING SCHEDULE 1972-73**

Berea Boosters 'B' Meet — Berea H.S. pool, Berea, O. — (Mrs.) Janet L. Stevens, 98 Harnagy Street, Berea, O. 44017 — Phone: 243-7126. Oct. 29

Lakewood Recreation Ginny Ward 'B' Meet — Lakewood H.S. Pool, Lakewood, O. — David Abineri, 1470 Warren Road, Lakewood, O. 44107 — Phone: 221-3325. Nov. 4

Nov. 11-12 Fairview Parents Assn. Age Group & Open Meet — Fairview H.S. Pool, Fairview Park, O. — Richard L. Segrist, Fairview Park H.S., 4507 W. 213th St., Fairview Park, O. 44126 — Phone: 331-8612.

Nov. 11-12 2nd Annual Euclid 1 & 3 Meter Age Group and Open Diving Meet — Euclid H.S. Pool — Ernest Kopecky, 20091 Edgecliff Drive, Euclid, O. 44123 — Phone: 481-4018

Midpark Boosters Club Age Group & Open Meet — Mid-park H.S. Pool, Middleburg Heights, O. — Jack W. DeBord, 7333 Grant Blvd., Middleburg Hts., O. 44130 — Phone: 243-1328. Nov. 19

Lake Erie Southern District Championships (Invitational) — Canton JCCC Pool, Canton, O. — Gary A. Banas, 5959 Heather N.W., Canton, O. 44708 — Phone: Nov. 19

Warren Swim Club Snowflake 'B' Meet — Western Reserve H.S. Pool, Warren, O. — Robert Sappey, 170 Kenilworth S.E., Warren, O. 44483 — Phone: 395-1247. Dec. 3

Dec. 10 Lake Shore Challenger 'B' Meet — Fairview H.S. Pool, Fairview Park, O. — Dick Mahoney, P.O. Box 4824, Fairview Park, O. 44126 — Phone: 777-1508.

Lake Erle Cokes Invitational Age Group & Open Meet

— Hawken School Pool, Lyndhurst, O — Jerry Holtrey,
3522 Giencairn, Shaker Hts., O. 44122 — Phone: 921-Dec. 15-16-17

Lakewood Recreation 'Jim Scullion' Age Group & Open Meet — Lakewood H.S. Pool, Lakewood, O — David Abineri, 1470 Warren Rd., Lakewood, O. 44107 — Phone: 221-3325. Jan. 12-13-14

Fairview Parents Assn. 'Spilt' Age Group Meet — Fairview H.S. Pool, Fairview Park, O. — Richard Segrist, Fairview Park H.S., 4507 W. 213th St., Fairview Park, O. 44126 — Phone: 331-8612. Jan. 21

Copley Swim Club Age Group & Open Meet -H.S. Pool, Copley, O. — Dan Soltis, 4980 Nortl Drive, Richfield, O. — Phone: 659-6337. Jan. 27-28 4980 North Berkley

Feb. 10-11

Berea Boosters Age Group & Open Meet — Berea H.S. Pool, Berea, O. — (Mrs.) Janet L. Stevens, 98 Harnagy Street, Berea, O. 44017 — Phone: 243-7126.

Lake Erle Cokes West Junior Olympics Short Course Meet — Rocky River H.S. Pool, Rocky River, O. — W.M. Piper, 22870 Laramie, Rocky River, O. 44116 — Phone: 333-2949. Feb. 18-19

15th Annual Berea Relays — Midpark H.S. Pool, Middleburg Hts., O. — Paul Davis, 382 Balwin Drive, Berea, O. 44017 — Phone: 243-4899. Mar. 4

Lakeshore Star Classic Age Group & Open — Fairview H.S. Pool, Fairview Park, O. — Dick Mahoney, P.O. Box 4824, Fairview Park, O. 44126 — Phone: 777-1508. Mar. 10-11

Warren Swim Club 7th Annual Spring Meet ('A' & 'B') Age Group & Open — Western Reserve H.S. Pool, War-ren, Ohio — Robert Sappey, 170 Kenilworth S.E., War-ren, O. — Phone: 395-0247. Mar. 17-18

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#### HIGH SCHOOL, PREP ALL AMERICANS

### Where Are They Now?

NORTH HOLLYWOOD, Calif. — Last year's high school swimming season saw nearly 400 swimmers earn All-American honors. As school begins in the fall, about three-quarters of these high school greats will be attending colleges throughout the United States, while the remaining lower classmen hope to continue their winning ways in high school.

The college recruiting wars are truly a vicious battle, and Swimming World's annual "Where Are They Now" feature, which lists where the high school and prep All-Americans will be attending school this fall, would seem to indicate that "the rich are getting richer"

Prime example is Indiana University, defending NCAA champion for five consecutive years.

Missing from this year's Indiana Hoosier swimming team due to graduation are two three-letter winners, Bill Baird and Mark Spitz. But "Doc" Counsilman will be greeting six of the finest freshmen swimmers in the nation.

Heading the list are high school teammates Fred Tyler and Bruce Dickson of Bolles School in Jacksonville, Fla. Tyler, a member of the U.S. Olympic Team, came home with a gold medal for the 4 x 200 meter freestyle relay. Fred swam the second leg in 1:54.32 en route to helping his team set à new world record of 7:35.78.

Both Tyler and Dickson lowered two national prep records last year — the 100 yd. free and 200 yd. IM for Tyler, and the 200 yd. and 400 yd. free for Dickson.

Joining the Florida boys at Indiana will be Mel Nash of Gateway High School, Monroeville, Pennsylvania, perhaps the finest high school All-American last season. Rounding out the incoming freshmen are Gib Leach, Richwoods High School, Peoria, Ill., Tom Beyer, Hinsdale Township Central High School, Hinsdale, Ill., and Scott Cranham, East Grand Rapids High School, Grand Rapids, Mich.

Runnerup to Indiana for the last four years in the NCAA Championships were Coach Peter Daland's Trojans of the University of Southern California. And the swimmers who'll be attending USC in the fall can only help their chances again as a top contender.

Two high school swimmers will be packing their bags from Florida to go to the Los Angeles school — Andy Lehner, Pine Crest, Ft. Lauderdale, and Allen Poucher, Jacksonville Episcopal High School, Jacksonville. Also enrolled at USC are Dave Hannula, Wilson High School in Tacoma, Wash., Dave Sodaro of Foothill High School in Santa Ana, Calif., and Sodaro's high school teammate Bill Smith. Gary Willis of Lodi High School in Lodi, Calif. also plans to attend USC.

Last year's third-place team, Tennessee, may not be getting the

Boca Raton H.S. Boca Raton, Fla. BOWLING GREEN quantity of high school All-Americans, but they're getting top quality. James Kennedy, Findlay High School, Findlay, Ohio, and Lee Engstrand, Memorial High School, Houston, Texas, will both be on the Volunteer squad. Although not a high school All-American, Coach Ray Bussard will be greeting Graham Windeatt, a member of the Australian Olympic team who returned with a silver medal in the 1500 meter free, 15:58.48.

Probably one of the finest jobs in recruiting along with Indiana and USC would be Stanford, which placed eighth in last year's NCAA's. Coach Jim Gaughran will have eight new freshman swimmers. In a list of top high school athletes, John Hencken of Cupertino High School in Sunnyvale, Calif., would have to rate as Stanford's top recruit.

Hencken won the gold medal at the Olympics in Munich in the 200 meter breast and a bronze in the 100 breast. Stanford's impressive list includes Richard Cook of Santa Clara High School in California; Bruce Goodwin, Deerfield Academy, Deerfield, Mall.; Steve Wheeler, Sunny Hills High School, Fullerton, Calif.; Steve Strong, Sahuaro High School, Tucson, Ariz; Ron Longinotti, Serra High School, San Mateo, Calif., Tom Crema, Hinsdale Township Central High School, Hinsdale, Ill.; and Mark Colville, Groves High School, Brimingham, Mich.

Some of the other top schools which will reap a wealth of talent are UCLA (finished fourth last year) and SMU (NCAA's fifth best team in 1971).

UCLA's Bruins have garnered four hopeful prospects from California. Santa Clara's Brian McKinley will join Brad Anderson of Mission San Jose High School in Fremont, Steve Baxter of Palo Alto High School, and Clay Evans of Huntington Beach High School.

Six high school All-Americans will be swimming for George McMillion at SMU. They include Wayne Murray, Pine Crest, Ft. Lauderdale, Fla.; John Apsley, also of Pine Crest; David Ernst, Chaminade College Prep, St. Louis County, Mo.; Jack Gean, Trinity High School, Euless, Texas; Mike Sealy, Serra High School, San Mateo, Calif.; and Jeb Sanford, Highland Park High School, Richardson, Texas.

In the East, Harvard's coach Don Gambril will start his second year there by greeting three top freshmen — Hess Yntema, Lawrenceville School, Lawrenceville, N.J.; Dave English, Loyola High School, Towson, Md.; and Tom Wolf, Calvert Hall Prep, Towson, Md.

Following is a list of where many of the high school and prep All-Americans may be found this year:

Last year's third-pla

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Paul Hayes
Highland Park H.S.
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ALFRED TECH
Alan Davis
Niagra-Wheatfield H.S.
Sanbom, N.Y.
UNIVERSITY OF ARIZONA
Fred Farley
Serra H.S.
San Mateo, Calif.
Barry Roth
Serra H.S.
San Mateo, Calif.
Gordon Clevenger
El Segundo, Calif.
Gordon Clevenger
El Segundo H.S.
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El Segundo H.S.
Berea Chio
AUBURN
Logan Pierson
Bolles School
Jacksonville, Fla.
Mike Drews
Nova H.S.

Ft. Lauderdale, Fla.

BOWLING GREEN
Tom Jake
Berea H.S.
Berea, Ohio
BRANDEIS COLLEGE
Dan Littman
University School
Shaker Heights, Ohio
BUCKNELL
Jeff Miller
Manheim Township H.S.
Neffsville, Pa.
CENTRAL MICHIGAN
Peter Dyan
Allen Park, Mich.
COLORADO STATE UNIVERSITY
Roy Smith
Westside H.S.
Omaha, Nebr.
Dave Kemper
Cupertino H.S.
Sunnyvale, Calif.
COLORADO UNIVERSITY
Jack Altdoeffer
Manfield Township H.S.
Neffsville, Pa.
Chris Lansberg
Notre Dame H.S.
Sherman Oaks, Calif.
David Ward
Highland Park H.S.
Richardson, Texas
Dave Gustafson

Evanston H.S.
Evanston, III.

CORNELL

Robert Meade
Pine Crest H.S.
Ft. Lauderdale, Fla.
Fred DeBruyn
Williston Academy
Easthampton, Mass.
Alan Gaiefsky
Dearborn H.S.
Dearborn Mich.
Phil Harmom
Upper Arlington H.S.
Columbus, Ohio

DARTMOUTH
Mark Stebbins
Lawrenceville, N.J.
Pete Fischer
Pine Crest
Ft. Lauderdale, Fla.
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(Continued on page 30)



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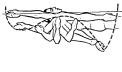
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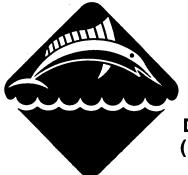
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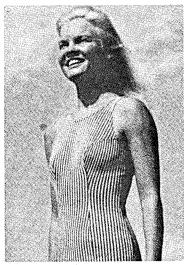
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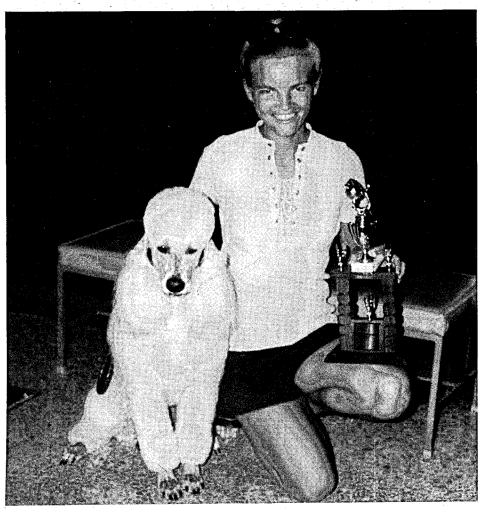
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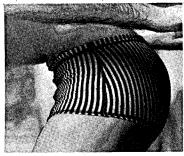
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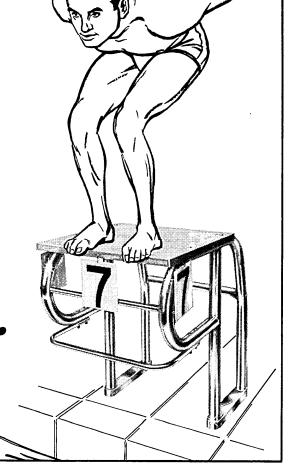
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#### SWIM WORLD TOUR BETTER THAN EVER

NORTH HOLLYWOOD, Calif.-Better than Mexico, as great as Japan—these were the comments from the repeat tour members who made the Munich Games on the Swimming World Olympic Tour. And these comments were echoed by the members who were making the tour for the first time.

From the time we left New York on August 21 in KLM's 747 till we arrived home 25 days later, the tour never experienced a dull moment.

Our arrival at Paris was uneventful and after a speedy checkin at the Hilton all were ready for an exciting Parisian holiday. There was sightseeing of Paris, Versailles and shopping. The highlight of course was the champagne dinner and show at the Lido with seats so close you could see the dimple in the showgirl's smile.

Four days after our arrival we left on an early train for Munich and the Games. I am sure that the train ride through the beautiful French and German countryside was enjoyable, but hectic arrival at Augsburg and Munich was an experience none will forget. Fifty of the group who were to live in Augsburg were off the train in the two minutes allotted for a station break. Luggage and parcels flew out of the window as the German railroad failed to give sufficient time to leave the train. Outside of a few passengers who were in a car that was dropped off somewhere between Stuttgart and Augsburg, all arrived safely, and those who had been dropped off managed to find their way to their hotel an hour or so later.

The main party of 100 parents and coaches arrived in Munich where they were taken by bus to the Bavarian towns of Frasdorf and Aschau. There after a night in the assigned hotels and guest houses, they departed by private bus for the Game's Opening Ceremony. It isn't easy to get oriented to an athletic complex of 640 acres, but the members of the Swimming World Olympic Tour quickly found out where they wanted to go, and the easiest way to get there. They began to enjoy Bavarian cooking and the famous beer.

The next eight days were spent at the spectacular Schwimhalle, where seats were available for those that desired to attend the prelims and seats for the finals. Many tour members skipped several of the morning prelims to take side trips to Salzburg, Innsbruck and Vienna, Austria. The more ambitious flew on to Rome for a few days, while others were thrilled with their excursions to Garmish. Chiemsee.

After the swimming events, all of us went to the brewery at Ayling where we saw how Baveria brew was made. We enjoyed a delightful lunch at the Ayling Inn and then toured the historic noteworthy sites in Munich. The following two days were for attending other events, including track and field, basketball or volleyball.

On September 8, we said goodbye to Munich and Bavaria and left by bus for Lucerne. En route we stopped at the tiny country of Liechtenstein, and had lunch just before we left Germany for the tiny nation.

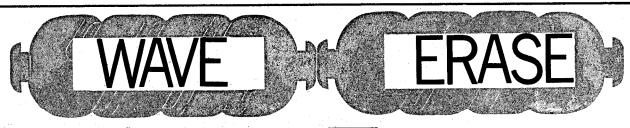
The following morning was left for shopping, and Lucerne was a shopper's paradise. Most popular purchases were watches, wood carvings, and other works of art. In the afternoon, those who wanted to visit Engelberg went by our private buses, while those that remained either took the lake excursion by steamer or continued on their shopping binge.

The following day we drove to Mainz and arrived at the Hilton in time for dinner. The next morning, we boarded a Rhine steamer for the ride up the Rhine River, passing castles galore and the famous Lorelai. Lunch was served on board.

We arrived at Coblence in time to visit a super market where most of our tour members purchased wine, cheese, bread and other "goodies" to eat on their train ride to Amsterdam. There we were met by bus and taken to our hotel, the Alpha.

The next day, most of our tour members went sightseeing with our three Swiss guides who had accompanied us ever since we left Munich. Others roamed the city to complete their shopping chores. In the evening a great time was had by all at our farewell banquet.

The next morning we left early for Schipol Airport to board our KLM 747 for the flight home. Unfortunately, the departure was delayed many hours due to mechanical problems on the plane, and finally we were switched to another aircraft and were soon winging our way back to New York and connecting flights to our respective homes. Because of the delay in leaving Amsterdam, some tour members missed flight connections in New York and remained overnight at KLM expense to resume their homeward journey the following day. But even this delay could not dampen the great time that all of us experienced.



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Some newspapers, TV, radio and individuals talked more of the spark of the Games. However, some great athletes and coaches from various nations proved their best efforts by participating, winning, or losing with honor for their nation and the Olympic Games. They stood proudly for the World to see - A few stood with contempt for the Olympic Creed, themselves, and their nation-What were they thinking? - Why did they bother to come? - What did they gain? — They alone have the answer.

After the tragedy in the Olympic Village and a 24-hour halt to the Games in honor of the dead Olympians. I was certain that the atmosphere of distrust and poor sportsmanship would improve. However, to my dismay, they did not. A certain few continued to seek out ways to abort the Olympic Code bringing discredit to

themselves and the Olympic Games.

For days I have been quite concerned and frustrated. I've asked myself. Is this the sports world that I'm involved in, and if it is, what is the value? I asked more and more questions of myself. The answers came slowly but I know now that there is a lot of work to be done by those who understand the value and need for sports and sportsmanship.

The sour and unhappy thoughts are now in the background as I think of the performance of Capt. Micki King, Dick Rydze and Craig Lincoln in bringing to U.S.A. Diving a gold, silver and bronze

medal.

The U.S.A., the Air Force, and Micki should be exceptionally proud of Capt. Micki King, U.S.A.F. Micki was called upon to achieve an extremely high level of diving to stay in contention for a medal. She not only did this but met her challenge and gave the most brilliant performance of her career, perhaps, not of her life, because I hope she continues to compete. Our diving world needs such fine ambassadors of sport who remain active in the competition. It will be hard work for her and will get harder as the months go by. She can do it and do it well. However, when she has had enough, she can withdraw with the greatest dignity afforded an Olympic Champion. I cannot help being a little sentimental when I speak of Micki, as for years my women divers and Micki traded off the top laurels time and time again. Micki never once ceased to be a lady — win, lose or draw. I have watched her compete in far away Spain in an all-military contest with good male divers-do her good job of diving and an ever-greater job spreading good will.

Micki came back from the 1968 Olympics where she broke her arm on the next to last dive and completed the contest on courage and determination. I know that Micki made up her mind to get the

gold medal in Germany soon after her accident.

To be able to know what to do, how to do it, and then to be able to do it gracefully at the precise time is the epitome of self discipline.

The highest tribute that I can give Micki is that she has earned the right to wear a blue ribbon which will carry the weight of all

the gold she will ever win.

We must remember what happened to Micki and a chance for a medal in the '68 Games. On a reverse 1½ layout, her next to last dive, she hit the board and broke her arm. Her desire, dedication, and will to do her best under any circumstances came through then as it did in Munich. With that broken arm she did her last dive-at that time, I'm sure she started to win here in Munich. Thanks to Micki for being a top performer, and to Dick Kimball, her coach, for his part in her gold medal.

#### **WOMEN'S SPRINGBOARD CONTEST**

The contest started with 30 girls—USSR-3; Japan-1; Romania-2; Canada-3; Jamaica-1; Sweden-2; Great Britian-2; Australia-1; East Germany-3; France-1; Indonesia-1; Czechoslovakia-1; USA-3; Finland-1; Poland-2; Holland-1; Germany-1 and Mexico-1.

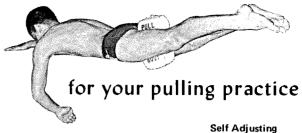
The first three dives were held in one session and at that time, Ulrika Knape of Sweden had 120.42, Micki King of U.S.A. had 118.32, Heidi Becker of East Germany had 115.98, and Janet Ely of U.S.A. 111.12 for 8th place. Cynthia Potter of U.S.A. had 109.74 for 10th place.

At this point all U.S.A. divers had made 7, 71/2 and 8's.

During the second session of dives, the preliminaries were finished

ana	the standings were:	
1st.	Knape, Sweden	292.59
2nd.	Hendrickson, Sweden	290.79
3rd.	King, U.S.A.	289.13
4th.	Becker, E. Germany	281.58
9th.	Ely, U.S.A.	269.91
Oth.	Potter, U.S.A.	264.90

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AQUA-VAC DIVISION 1941 LINCOLN AVE. • PASADENA, CALIF. 91103 Micki again held all scores for 7, 7½ and 8 points. Cynthia missed her ½ twist, scoring 4½, 5 and 5½ for 27.93 points. She also had trouble on the 7th dive, a reverse 1½ layout, and received 5½ and 6 points for a total of 43.68.

Janet also missed her 7th dive, a back 1½ pike, for 5 and 5½ for a total of 34.98.

The twelve finalists finished:

Duchkova, Czech Janicke, E. Germany Ely, USA King, USA Fiedler, E. Germany Robertson, Canada Pertmayr, Austria Rollo, Canada	390.00 370.92 360.54 352.68 346.38 341.67 334.02 321.03 317.31
Rollo, Canada	317.31
Selina, USSR	314.76
Wierniuk, Poland	310.08
Williams, G. Britain	301.26
	Janicke, E. Germany Ely, USA King, USA Fiedler, E. Germany Robertson, Canada Pertmayr, Austria Rollo, Canada Selina, USSR Wierniuk, Poland

Micki got stronger and more determined for a gold medal. She won the contest by using for her last 3 dives—a 2½ pike, scoring 7½ and 8's; an inward 1½ pike for straight 7½'s; and a twisting 1½ reverse for straight 7½'s. Her performance was a thrill to watch and certainly reconfirmed my theory that girls can win any contest in the world by staying away from the big degree of difficulty dives such as triple twisters and back and reverse 2½'s, etc. You win by doing what you can do best and score in the 7 and 8 bracket. Girls are not quite ready for big, big dives. Perhaps 3 to 6 years tell a different story.

Janet Ely did well and should be accepted as a great world diver. She made her reputation. She lost a bronze medal by getting a couple 6½'s on a forward 2½ pike.

Knape lost her lead by dropping her score to King on her last three dives. Marina Janicke dived well. It was my first time to see her dive. She is a world comer also and deserved her medal.

Cynthia, although dropping back in the standing, did an excellent job. She struck the board the day before the contest and performed with a very sore foot.

Accidents of this kind seem to demand some type of a substitution role for a nation's alternate. At times there have been accidents

#### **WOMEN'S 10 METER PLATFORM**

After Sweden's Ulrike Knape had seen a gold medal slip away in the last few dives of the springboard competition, Miss Knape became a determined young diver in the platform diving. From her third compulsory dive on, the 3-meter silver medalist showed she was the one to beat, as she led with 127.17 points over her nearest threat, Milena Duchkova of Czechoslovakia, with 124.98.

It wasn't an easy task as she had to continually keep pace with the defending Olympic gold medalist Duchkova.

At the end of the three dives, it was Knape and Duchkova, followed by Marina Janicke, East Germany, 121.95; Elizabeth Wierniuk, Poland, 115.38; and Janet Ely, USA, 114.84. Capt. Micki King, who had won the gold in the springboard, was in eighth with 109.74 points. Cynthia Potter, USA, who had hurt her foot before the springboard competition, was back in 24th out of 27 divers with 92.34 points.

The gold medal was clearly a fight between Knape and Duchkova. Knape led all the way except for after the fourth and fifth dives when Duchkova took a seven-point advantage after scoring a 61.62. But then Knape took advantage of a low score by Duchkova in the sixth round, as the Swedish girl moved back to first after the sixth dive with 266.61 points to Milena's 256.74.

White Stag-Speedo

(Continued on page 38)

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P	MEN'S 3 MTR. BIAS REPORT			JU	DGES				
A C		Total	1. POLAND	2. AUSTRIA	3. USA	4. GERMANY	5. SWEDEN	6. FINLAND	7. USSR
Œ			Bogajewski	Mayer	Gompf	Tager	Olander	Kivela	Burov
į	Vasin USSR	594.09	603.15 1	585.00 4	597.05 2	582.90 1	598.80 1	586.55 2	643.65 1
2	Cagnotto ITA	591.63	592.40 2	608.50 3	595•95 3	576.90 2	586.30 2	621.25 1	576.85 3
3	Lincoln USA	577-29	559.95 5	575.55 5	613.20 1	549.60 4	583.05 3	584.55 3	561.00 5
4	Dibiasi ITA	559.05	568.20 4	610.70 1	541.50 6	540.75 6	544.20 6	584.10 4	532.35 6
5	Finneran USA	557.34	526.45 10	609.90 2	577.65 4	518.10 10	573.10 4	556.60 6	523.70 9
6	Strahov USSR	556.20	570.30 3	538.95 8	519.00 9	547.50 5	517.95 7	563.30 5	609.90 2
7	Hoffman E. GER	544.95	549.60 6	540.00 7	543.15 5	539.70 7	549.20 5	543.75 7	576.75 4
8	Huda GER	524.16	527.25 9	525.45 10	502.95 12	559.20 3	504.90 10	530.70 8	521.40 10
9	Giron MEX	521.88	536.70 7	522.30 11	526.15 8	523.20 9	510.40 8	501.30 11	530.55 7
10	Loken NOR	514.92	501.35 11	528.35 9	515.95 10	516.50 11	505.80 9	508.35 9	525.00 8
11	Robinson MEX	514.02	489.20 12	550.05 6	528.00 7	512.85 12	483.50 12	492.45 12	515.10 11
12	Ziethen E. GER	511.02	531.55 8	521.10 12	509.85 11	526.25 8	489.30 11	507.40 10	503.60 12
				,					-

Р	WOMEN'S 10 BIAS REPO	-			JI	JDGES				
L A C	Name		Total	1. HOLLAND	2. MEXICO	3. BELGIUM	4. CANADA	5. AUSTRIA	6. EGYPT	7. E.GERMANY
E				Vlothvizer	Capilla	VandeVen	Baird	Mayer	Kamel	Bade
1	Knape	SWE	390.00	389.85 1	378.20 2	392.63 1	383.40 1	414.75 1	391.65 1	365.90 2
2	Duchkova C	ZECH	370.92	362.55 2	379.50 1	380.85 3	377.85 2	396.95 2	371.40 2	344.85 5
3	Janicke E	.GER	360.54	356.70 3	344.40 4	385.95 2	355.20 5	355.20 5	354.60 3	390.30 1
4	Ely	USA	352.68	347.10 4	344.85 3	376.35 3	346.80 7	377.85 3	353.70 4	347.10 4
5	King	USA	346.38	321.15 8	341.10 5	367.05 5	370.13 3	357.60 4	347.40 5	331.35 6
6	Fiedler E	.GER	341.67	339.75 5	317.10 8	346.20 7	354.15 6	340.00 8	343.20 6	355.80 3
7	Robertson	CAN	334.02	321.75 7	337.35 6	346.70 6	355.35 4	342.40 7	318.45 9	327.70 7
8	Pertmayr	AUT	321.03	330.45 6	316.20 9	325.62 10	316.65 9	351.30 6	340.55 7	316.95 9
9	Rollo	CAN	317.31	288.05 11	319.50 7	330.35 9	324.30 8	338.10 9	335.55 8	288.20 12
10	Selina 1	USSR	314.76	314.55 9	313.65 10	308.25 12	311.25 11	326.25 10	309.35 11	320.55 8
旦	Wierniuk	POL	310.08	308.55 10	312.75 11	331.00 8	311.85 10	321.55 11	315.15 10	300.75 10
12	Williams (	G.BR	301.26	275.85 12	300.45 12	324.45 11	299.90 12	306.00 12	309.30 12	292.95 11
	PIWOMEN'S 3	MTR.			T		1		<u> </u>	

P	WOMEN'S 3 M BIAS REPO			7		JDGES		_	,	
C	Name		Total	1. E.GERMANY	2. S.AFRICA	3. FRANCE	4. CANADA	5. EGYPT	6. SWEDEN	7. ENGLAND
E				Kinast	Honikman	Goosen	Baird	Kamel	Olander	Heatly
1	King	USA	450.03	430.55 4	458.70 1	461.10 1	458.25 1	440.55 1	434.20 2	466. 1
2	Knape	SWE	434.19	415.50 5	456.90 2	425.70 3	424.30 6	438.30 2	443.10 1	432. 2
3	Janicke E.	GER	430.92	450.05 1	394.80 8	432.45 2	432.45 4	434.10 3	429.45 3	431. 4
_4_	Ely	USA	420.99	405.40 10	425.10 3	410.50 7	435.00 3	425.55 5	415.75 6	429. 5
5	Boys	CAN	418.89	413.85 7	368.55 11	414.60 4	440.70 2	417.15 9	422.25 5	425. 6
6	Henriksson	SWE	417.48	394•35 11	423.90 4	414.30 5	412.65 7	420.90 8	426.90 4	411. 7
7	Potter	USA	413.58	407.25 8	409.05 5	403.95 9	430.50 5	421.80 7	407.40 7	432. 3
8	Wierniuk	POL	408.36	414.60 6	401.97 6	412.30 6	393.30 9	424.35 6	404.40 8	410. 8
9	Becker E.	GER	405.78	442.20 2	392.10 9	404.25 8	382.65 11	425.70 4	393.60 9	395. 10
10	Duchkova CZ	ECH	400.83	405.45 9	399.60 7	402.75 10	404.55 8	395.50 11	377.50 12	409. 9
11	Koehler E.	GER	394.20	436.50 3	370.77 10	402.12 11	388.80 10	402.15 10		
12	Drake G	BR	378.18	379.40 12	357.55 12	371.55 12	360.45 12	379.50 12	380.10 11	394• 11

#### **MEN'S SPRINGBOARD CONTEST**

The men's event included 32 divers — USSR-3; Australia-2; Austria-2; Mexico-3; USA-3; Finland-1; Gr. Britain-3; Canada-3; Romania-1; Italy-2; Japan-1; Germany-3; E. Germany-3; Colombia-1; Norway-1; and France-1.

The contest started off with Cagnotto and Dibiasi of Italy very close behind Vasin Vladimir of USSR. Mike Finneran was in fourth, following the three of them with a good front dive.

The results ofter the first 4 dives were

1 11	e results after the first 4 dives were.		
1st	Dibiasi, Italy		170.82
	Vasin, USSR		164.46
	Cagnotto, Italy		162.18
	Finneran, USA		156.57
	Lincoln, USA		153.60
	Bush, USA		141.57
	24011, 4411		 

Up until this time, our divers were apparently out of trouble with all dives receiving 7, 71/2 and some 8's, except Bush who lost his foothold by doing a bad inward layout for 5 to 61/2 for only 27.36 total points. On the 7th and 8th dive, respectively, Finneran with a reverse 11/2 with a 21/2 twist, netted 67.20 pts. A back 11/2 somersault with a 2½ twist brought Lincoln 68.85 points — the two highest paid dives of the contest.

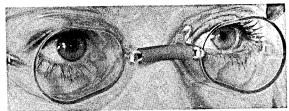
Strahov of USSR had been doing some steady diving and pulled himselfup into 2nd position after the 8th dive. Cagnotto had stayed sharp while his teammate Dibiasi dropped to 6th because of his 8th dive, a 31/2 somersault for only a total of 42.93 pts. with 4's

The standings for the final contest were:

1st	Cagnotto, Italy	400.95
	Strahov, USSR	392.10
3rd	Vasin, USSR	387.72

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4th	Lincoln, USA				386.79
5th	Hoffman, E. Germany				384.45
6th	Dibiasi, Italy				380.16
7th	Finneran, ÚSA				378.84
8th	Ziethen, E. Germany				364.02
9th	Huda, Germany				355.29
10th	Robinson, Mexico				348.48
11th	Giron, Mexico				345.21
12th	Loken, Norway				344.55

David Bush finished in 20th place, failing to make the finals with 327.06 points. By this stage in the contest many top divers had failed to rally with their top two dives. Missing these high degree of difficulty dives caused them to be eliminated from the finals.

Lincoln missed his inward 21/2 and received 5's and 6's for a net of 46.02. Vasin, Cagnotto and Finneran moved up with 81/2's and 9's on their ninth dive.

Lincoln rallied on the 10th dive with three 9's for 72.74 (a reverse 21/2). Vasin followed with the same dive to net 75.60 points with three 9's and two 91/2's. This was the highest paid dive of the contest. Cagnotto dropped back by getting 51/2's and 6's on his back 21/2 for 48.72 points. Finneran held his own with a reverse 21/2 for 7's and 8's and a total of 62.15.

On the 11th dive, Lincoln drove home a reverse 11/2 with 21/2 twist for 72.24 points. Cagnotto repeated the same dive for the exact same total of points to destroy Craig's chance for the silver medal. Vasin stayed strong to win by the slight margin of 2.46 points.

Vladimir Vasin did a fine job of diving to win the contest. Franco Cagnotto showed that he had not lost his brilliance by leading most of the way with a good margin only to drop one dive and lose the gold.

Fate, hard work, and determination are strange bedfellows. Vasin, as well as Micki, was injured at Mexico in 1968. He dislocated his shoulder in the tower event and has not been able to dive tower

SHICE	•	
Final	results were:	
1st	Vasin, USSR	594.09
2nd	Cagnotto, Italy	591.63
3rd	Lincoln, USA	577.29
4th	Dibiasi, Italy	559.05
5th	Finneran, USA	557.34
6th	Strahov, USSR	556.20
7th	Hoffman, E. Germany	544.95
8th	Huda, Germany	524.16
9th	Giron, Mexico	521.88
10th	Loken, Norway	514.92
11th	Robinson, Mexico	514.02
12th	Ziethen, E. Germany	511.02
	,	

The three medalists certainly worked for and deserved their medals and all of the credit that goes with it. They dived well under the extreme pressure that existed.

#### **MEN'S 10 METER PLATFORM**

There were 35 men in this event: Portugal-1; Canada-3; Great Britain-3; U.S.A.-3; Poland-1; Austria-2; USSR-3; Germany-3; Spain-1; Japan-1; Austria-2; Italy-2; Romania-1; France-1; E. Germany-3; Mexico-3; Colombia-1; and Switzerland-1. These 18 nations were represented. This was the most ever, to my knowledge, in any diving event in the history of diving.

After the first 3 dives, Dibiasi was leading Rydze by 2.43 points. Matthes, E. Germany; Gendrikson, USSR; De Schouver, France; and Robinson from Mexico, were close behind. Rick Early was 8th, 10.29 points behind Dibiasi. Finneran had dropped to 18th place, 15.93 points out of first.

in

Af	er four more dives, going into the final contest,	, the final stand-
ings v	vere:	338.25
1st	Dibiasi, Italy	
2nd	Ambarcunian, USSR	314.31
3rd	Cagnotto, Italy	312.93
4th	Gendrikson, USSR	305.94
5th	Rydze, USA	302.16
6th	Matthes, E. Germany	298.41
7th	Kapirulin, USSR	295.40
8th	Hoffman, E. Germany	291.54
9th	Wagstaff, Austria	290.64
		290.37
10th	Giron, Mexico	289.80
11th	Finneran, USA	
12th	Early, USA	287.94

Continued on page 78

#### SYNCHRO NEWS

A Monthly Column Devoted to Synchronized Swimming by Dawn P. Bean, Editor, Synchro-Info

SYNCHRONIZED AND THE OLYMPICS — Inclusion in the Olympic Games is the dream and goal of many Synchronized Swimming enthusiasts. This sport, combining requirements for swimming strength and stamina with those of grace and beauty of movement, is so similar to the programs of figure skating and the free exercises of gymnastics that it would seem a logical addition.

Lord Killanin, who takes over as President of the International Olympic Committee has said, "For some time we have to provide for the increase in women's participation in sport.



Recent stiffened eligibility requirements for Olympic sports now require that a women's sport be played in twenty-four countries and on two continents. Donalda Smith, the Canadian Secretary of the FINA Synchronized Swimming Committee, reported the results of a recent questionnaire regarding the status of Synchronized Swimming. Ninety-eight Federations were canvassed with 29 answers received. The following countries reported holding advanced synchronized swimming programs, many holding national championships: Australia, Canada, Denmark, France, Great Britain, Holland, Japan, Mexico, New Zealand, Spain, South Africa, Sweden, Switzerland and the United States.

In addition to these, questionnaires were not returned from the following countries which are known to have synchronized swimming programs since they have reported results at various times:

Argentina, Austria, Colombia, Cuba, Czechoslovakia, Brazil, Finland, Norway, Italy and West Germany.

The following countries reported they had made aqtart in synchronized swimming: The Bahamas, India, Ireland and Panama, and Bulgaria, Hong Kong, Thailand, Luxembourg, Barbadoes, Zambia and Puerto Rico all answered that though they had no programs now they wished to begin.

Recently the United States International Committee has been considering requests for competitions, clinics and demonstrations abroad and more of our American teams may find opportunities to travel next year to help develop their favorite sport.

A decision in favor of synchronized swimming for Olympic competition may also be influenced by the trmendous interest displayed at the Pan Am Games of 1971 and the South American Games in Africa, Chile in 1972. Crowds waited for three hours to get a seat in the packed swimming stadiums and applauded enthusiastical for synchronized swimming numbers following the Olympic Games at the Gala gives the general impression that synchronized swimming has "arrived."

What then are the problems? Why hasn't synchronized been included? One problem mentioned by Lord Killanin is the size of the Games. The IOC is looking for ways to cut the program rather than increase it. Though synchronized includes just three events, solo, duet, and team, there is not much support for adding anything to the current list of sports.

Then too, this is a judged sport! The recent events in Munich would seem to preclude adding another judged sport until somehow, someway, the problems regarding subjectivity could be minimized. The addition of more judges might spread the base a little. U.S. synchronized swimming has worked with additional judging scores for the past four years and crosses off two high and two low scores. Also synchronized here has utilized a maximum number of judges by having two panels for each of the three stunts, instead of having the same judges judge, for example, all 10 or 11 dives. Some U.S. associations are already experimenting with using three panels of judges for two stunts each which will further minimize biased opinions. However, the solution to the problems involving judged sports will not come from synchronized alone and must be faced by diving, gymnastics, and others.

Whether or not synchronized is ready associations are already experimenting with using three panels of judges for two stunts each which will further minimize biased opinions. However, the solution to the problems involving judged sports will not come from synchronized alone and must be faced by diving, gymnastics, and others.



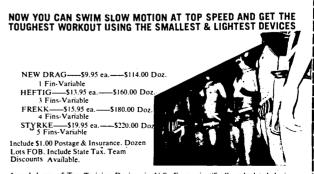
SWIMSUITS FOR FRIENDSHIP — Ghanaian sports officials received a shipment of 68 men's and women's swimsuits in Accra, the gift of the Swimsuits for Friendship program in the United States. From the left are Capt. Emmanuel O. Bampoh, deputy chairman of the Sports Council of Ghana; Joe Grossman, U.S. Embassy representative who presented the suits; Lt. Godwin K. Tengey, chairman of the Ghana Amateur Swimming Association, and Navy Lt. Ebenezer O. Arthur, deputy chairman of GASA.



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### WEIGHT TRAINING—The Leflar Pulley

#### By Don Jacklin David Douglas Swim Club

It goes without saying that some kind of a weight training program for swimmers must be used to increase the strength necessary to be able to compete at any level in the sport. At the David Douglas Swim Club, we use the Leflar pulley machine in two different ways.

The first way is to simulate exactly what we intend to do in a race. For example: the 200 freestyle would be accomplished with a national level swimmer some where from 100 to 120 strokes—someplace in that range depending on whether it is a boy or girl, size and length of stroke.

Your stroke rate is someplace from a second and a second and a half to complete a stroke. You would then pull the machine the amount of weight that you could handle, say 110 times, and you would do this approximately two minutes. You would actually simulate exactly what you are doing in the water, and that produces a good workout.

Most of our athletes pull the machine from 400 to 600 times a day working on the various strokes. Some of our youngsters will do up to 1,000 pulleys a day during the summer.

The other way in which you can use the machine, again for a fairly weak kid or if you are just concerned with developing strength, would be to work from 30 to 50 repetitions with as much weight as you can

handle. Then go through three sets of the exercise and work on the machine for approximately half an hour.

We feel it is best to work in partners on the machine—one working and the other one resting, and then switching. You can keep a chart on the wall and let the kids keep track of their daily progress so you have an idea of what they are doing without having to supervise the training. The ability of being able to change the weights without injury possibilities and have the machine virtually in operation all day long is a tremendous advantage.

Some of our parents have the machine in their own home, especially in the larger families whereby they can work on the machine as they desire. They simply turn in a progress report to the coach on how they are doing.

The advantage, as we see it, in the use of the machine as you can measure the progress of your athletes. The use of a surgical tubing device or shock cords or something of this nature makes it difficult to measure the actual improvement of strength. In the use of the weight room, you can measure your strength, but we have found that oftentimes the flexibility is reduced which takes away the advantage of going into an actual barbell-type weight program for your swim-

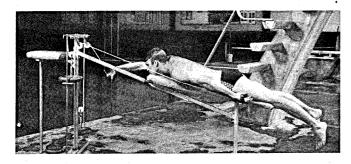
mers.

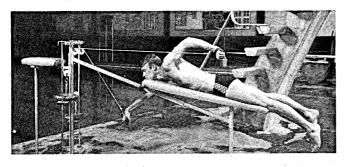
The pictures on these pages demonstrate how the machine is used for the various strokes. You will find as you use this machine that the athletes will determine the starting weight which they can handle. As the season progresses, they should be able to increase their weight.

We have used the Leflar pulley machine, manufactured in Portland,Oregon, for the last eight years and have been very pleased with the results we have been able to obtain from the machine.

We have found the use of the machine does not tie up the swimmers. It tends to develop a long, lean, quick muscle which is the kind of muscle we need for swimming. It does not reduce the youngster's flexibility, although we do work on flexibility approximately five to ten minutes every day along with the use of the pulley machine.

We do have some youngsters who are drastically weak go on to a heavier weight program than this, but for the most part, 98 percent of all our swimmers over the years have used this pulley machine to develop the strength they need to compete in the water. Our 12 and under swimmers use the machine, and to date, none of them have developed sore shoulders or tendonitis.





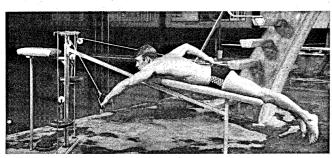
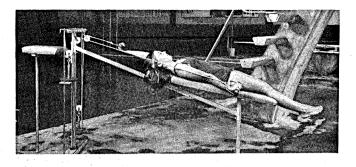
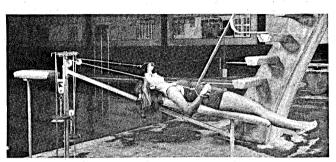


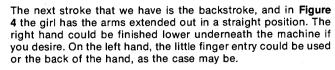
Figure 1 is the freestyle stroke and, as you can see, the demonstrator is stretched out on the pulley machine. His arms are fully extended. The right elbow is higher than the right wrist and the right wrist is higher than the hand in a good position and the left arm is finished near the middle of the thigh.

In Figure 2, he has brought the right hand underneath the machine, the left hand is recovering with a good high elbow position and is in a good working position. We concentrate here on making sure that the chest lifts off the pad so that they are getting a good roll of the body while they are doing the stroke.

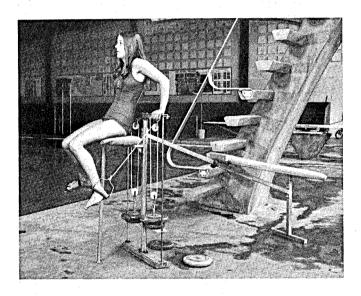
In Figure 3, it shows the completion of the stroke with the left arm coming into the water with a good high elbow position. You will notice in some of the figures that the hands are closed around the pulley device and some are open. You can use your preference — whichever feels best to you.

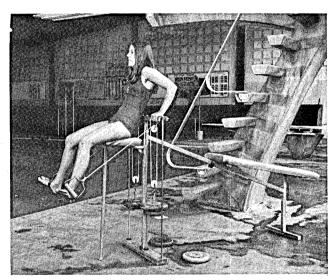


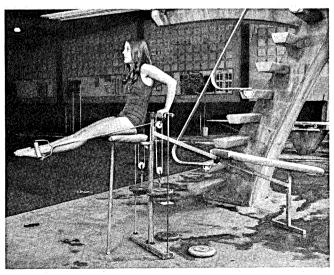




In **Figure 5**, she is in the middle of her stroke. She has the arm bent at approximately a 90 degree angle. The hand is towards the ceiling and she is working towards the end of the stroke.



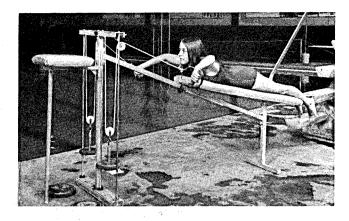




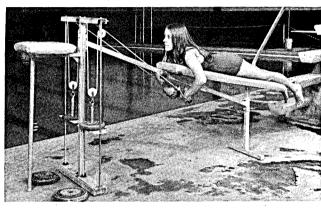
The next stroke that we are concerned with is the breaststroke. We will start off the the leg kick. In **Figure 6**, the knees are well in together, perhaps a little bit too tight. The ankles are turned outwardly as far as the athlete can turn them and she is working with the leather strap that has been provided for this exercise.

In Figure 7, she is halfway through her leg kick. She is keeping her toes in an outward position and following through.

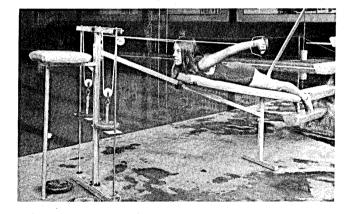
In **Figure 8**, she has finished the leg kickoff. We concentrate on following through with the toes and getting a good extension and a good rise out of the legs on the end of the kick.



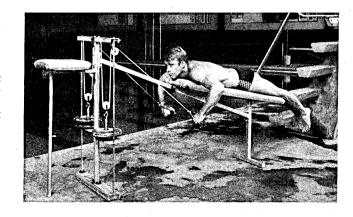
In **Figure 9**, she has started off with a nice high elbow position. She has the hands coming up underneath the chest. In **Figure 10**, perhaps she is too far underneath the machine and maybe the palms should be more in a praying position or with the palms upward, and then shoot out to a beginning position.

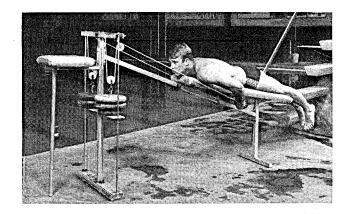


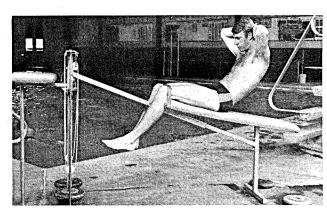
The next stroke that we are concerned with is the butterfly stroke. We start with the same **Figure 9** as in the breaststroke with the nice, high elbow position pulling down underneath the body. In **Figure 10**, she has come well underneath the machine; the hands are almost touching together and she is pressing backwards. In **Figure 11**, she is on the recovery phase. Perhaps here the elbow should be slightly higher than the hand, but it is still in a pretty good working position.



Other exercises can be used on this machine other than just simulating the regular swimming strokes. We use **Figures 12** and 13 as a general conditioner with a double arm pull underneath the machine. In **Figure 12**, the demonstrator has a good high elbow position, and he is in a good working position against the water. In **Figure 13**, he has brought the weights up and his hands directly underneath the machine.







The last exercise, **Figure 14**, is the sit-up. We feel that the abdominal strength is good for the flip turns in the crawl stroke especially, and it is also a good general conditioner.

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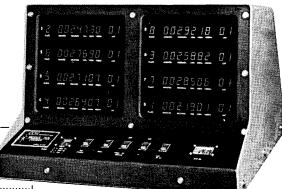
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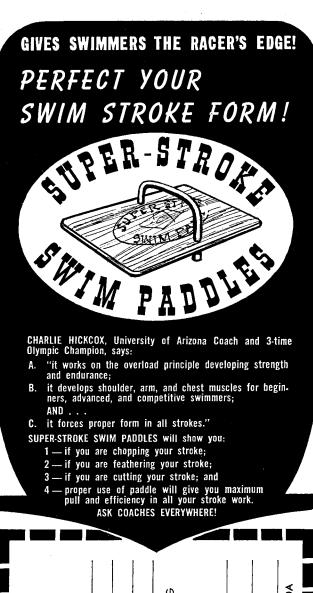
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#### **WATER POLO SHOTS**

A Monthly Column Devoted to Water Polo By Robert H. Helmick, Olympic and National Chairman, Men's AAU Water Polo Committee

MUNICH, GERMANY. The full story of the United States winning of the bronze medal at the Olympics is contained in this issue of Swimming World. Needless to say this was a great victory not only for our Olympic team, but for the entire United States Water Polo program and all of those people who have worked to develop the modern game of polo in this country.



After the United States was drawn into the six-team bracket with Yugoslavia, Romania and Cuba, from which only two

teams would advance into the finals, the Europeans generally felt that the USA's quest for a medal would be stopped in the first round with the Yugoslavs and Romania advancing to the top six finalist positions. Our first victory over Romania brought some fast re-evaluations of our strength. Then when we advanced out of our bracket undefeated, while top-touted Hungary had drawn a tie with Germany in their bracket, Russia and Hungary were, for the first time, really concerned.

Our only loss, to Hungary, took us out of contention for the gold, but our subsequent tie with Russia convinced the aquatic world that our showing wasn't a matter of luck. Monte Nitzkowski and Art Lambert deserve a great deal of credit for great leadership and coaching through an extremely difficult and tumultuous tournament. The results indicate the great job the team did. The door has been opened and the United States should now maintain a dominant position in this, another aquatic sport.

FREMONT, Nebraska. While our Olympians were competing in Munich, our 1980 Olympic hopefuls were in Fremont, Nebraska, battling for the Junior Olympic title. Each year the JO program has grown; this year 12 teams entered out of the 13 regions. Cerritos Aquatic Club took the boys title while Asheville took the girls division even with one of their top players, Mary Montgomery, in Munich on the USA Women's Olympic Swimming team.

TUCSON, Arizona. The University of Arizona is in its second year of water polo competition this fall under the leadership of new swimming coach Charlie Hickcox. The Wildcats have a schedule of games against universities in New Mexico, Colorado and California ending with the NCAA regional in Provo and, hopefully, the Nationals which will be in Albuquerque. The Arizona program picked up another top California high school player this fall, Gordon Clevenger of El Segundo. Also transferred into Arizona is Carl Utzinger, a San Mateo JC standout from last year. We are constantly receiving requests from high school swimmers for the names of universities which also have water polo programs; we're pleased to note another good Southwestern swimming and polo university at Arizona.



THE WORLD'S AQUATIC LEADERS — FINA members gather for bureau meeting during Olympics in Munich. Front row, left to right are E. Gebhardt, Z. Firsov, A. de O. Sales, B. Sallfors, H. Henning, J. Ostos, A. Lambasa, J. De Vries, R. de Raeve and B. Phillips. Back row, left to right are P. Hauch, H. Furuhashi, S. Grange, J. Morera, S. Salinas, Y. Ezz El Din and Y. Sow.

#### Interscholastic Soundings

A Column by the National Interscholastic Swimming Coaches Association of America By Walt Anderson, 1346 Clifton, Redlands, Calif. Past President NISCA 1955-57; past member of the Executive Committee of NISCA

Much has been written and said about the future of the Olympic Games after the Munich malevolence this summer of '72. Senator Mike Mansfield says, "Do away with them." He complains that they have become "too political, too racist, too anarchic and too murderous."

Others, too, reflect the hopelessness of the situation such as UCLA track coach, Jim Bush, who says, "I believe we should have world championships in track and field every 2 or 4 years. The Games are so big now that there is no



way to control them. They are in no sense accomplishing what they set out to do — brotherly love."

Long jumper and gold medal winner Randy Williams feels that "We put too much emphasis on gold. Winning gold medals is considered more important than winning friendship and peace." There are many who share this opinion.

But behind the quest for gold in most instances is an affection that the dictionary of the positive and the negative — nationalism. Avery Brundage and his succesor, Lord Killanin, both agree that the Games should be de-nationalized; that the display of flags should be eliminated; that the national anthems should not be played at the medal cermonies. It may help by soft-pedalling symbolism but it doesn't seem likely that this alone will be enough to silence the super nationalism that plagues the Games.

It was clear from the magnificent television coverage that there are motivations other than the spirit of true amateurism that prompt perhaps otherwise fair officials into obviously unfair decisions. The spirit of the Olympics demands equanimity and bans partisanship. This was not the case at Munich, nor at less recent Olympiads, either, for that matter.

U.S. officials were highly critical of the diving events, for example, and breakdown of individual judges' scores backed up the charge of bias. The nation is well aware of the raw deal dealt to the basketball team, of the questionable boxing decisions, the lack of judgment by certain wrestling judges. The U.S. reaction has been assessed by some Europeans as a "cry baby" attitude. Your columnist can't buy this at all. To me it is more of a show of Americans arising once more to fight a traditional enemy — injustice.

Former Australian Olympic gold medal winner in swimming, Murray Rose, writing for the Associated Press, said, "Griping at the officiating in judgment sports at the Olympic Games is as traditional as the opening and closing ceremonies." It is only that the satellite and television teamed to give us better insight as well as those instant replays. The quality of officiating in many instances could not stand up to the slow motion retakes.

There are many nations who don't have the quality of performance in their countries to give officials a good proving ground to become trained enough for world-class events. There are others who have a surplus of adequately-trained people. The problem is that the jobs are spread around to include as many nations as possible and it is not only a possibility but a certainty that there are going to be a number of less competent officials chosen.

But whatever the problems are, no matter how great they may be, or how difficult they may be to solve, something has to be done by '76. Something has to be done to see that the best man wins regardless of which country he may represent. It is a sad state of affairs when a diving judge from one country consistently has his score counteracted by another and then the so-called neutral ones in the middle determine the winner. The answer lies in some sort of reform.

It is the opinion of a big segment of America that there must be safeguards, reforms and changes made in the Olympic Games to prevent the fine athletes of the world and the Games, themselves, from dying. Many of us feel they are worth saving and continuing. It is not too late, Montreal. Those who still believe in the Olympic ideals are looking forward to a new spirit of '76 and in your hands lies the fate of the world's greatest sporting event. May you bring sanity back to the sporting and the swimming world.

For information regarding joining NISCA, write to Dave Robertson at New Trier East High, Winnetka, Illinois.

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#### Y.M.C.A. AQUA-AVISO

By C. Eugene Keltner Y.M.C.A. National Chairman, Men's Competitive Swimming

Enough newsprint has been run through the presses all over the world concerning the 1972 Olympics in Munich. What a traumatic experience for many Olympians. Let's all, in the YMCA aquatic programs, do everything we can in the next four years to help the Canadians get ready for a completely successful

1976 Olympics. We have received many letters on age group national times. Keep sending them in and I will forward them to our new



age group records chairman, Mrs. Rish, of the B.R. Ryall YMCA in Glen Ellyn, Illinois. We hope to be able to publish the 1972 records in the December issue. You can expect the qualifying times in the December issue as well. Jim Stocker and I will be attending the AAU convention and the Olympic Swimming Committee meeting in Kansas City in November and will be reporting back to you on any major changes in the competitive swimming world for the future. The NCAA rules changes will be available by writing to me now. The new rule book should be ready this month. There are many changes so make sure you have studied them carefully if you are planning to participate in the National Championships.

Any YMCA coaches who are planning to attend the annual Swimming Coaches Colleges Swim Forum in Fort Lauderdale this Christmas time, please contact me as soon as possible. I am planning to hold a meeting and get together of all the YMCA coaches at this event. If you need information on this activity, please write P.O. Box 6426, Orlando, Florida 32803. Remember, coaches who are planning to participate in the National Championships in Fort Lauderdale, watch for the rules regarding the proper way to enter this meet. The rules should be in the November issue of Swimming World, this column.

#### "A SWIMMER YOU SHOULD KNOW"

Connie Hartman of Asheville, N.C., is already a two-sport All-American at the tender age of 14. She was chosen to the 1971-72 High School Girls All-American Swim Team after she represented her school in a scholastic meet, posting a 25.5 for the 50-yard freestyle, the same time she turned in when winning the Southeast YMCA girls 13-14 50-yard sprint a month later. Connie, who practices at and normally represents the Asheville YMCA in all competition, has also recorded times of 56.9 for the 100-yard freestyle and 1:07.5 for both the 100-yard backstroke and 100-yard butterfly.

She has competed in three straight National Jr. Olympic swimming meets — at Knoxville in 1970, at the Air Force Academy in 1971, at Spokane in 1972 — and has also swum in meets at Fort Lauderdale, Atlanta, Chattanooga, Cincinnati, etc.

What sets Connie apart, aside from her speed, is the fact that she practices swimming no more than three or four times weekly, averaging perhaps 2,000 to 2,500 yards per practice. This gives her time to participate in other sports such as basketball, gymnastics and water polo. "Of all my sports," she says, "I like water polo best because it is a team sport."

The Asheville YMCA happens to have an excellent girls water polo team, and Connie is the youngest player in the Y's starting lineup. She has competed in national water polo tournaments from Miami to Albuquerque, and, most recently, she and her Y teammates won the National Jr. Olympic Girls Water Polo Championship in competition held at Fremont, Nebr. Using her speed to cover defensively, she did a superb job as a guard, resulting in her selection on the Jr. Olympic All-American Water Polo Team for 1972.

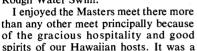
A strong A and B student in school, Connie has a younger sister on the Asheville YMCA swim squad and two older sisters on the Y's water polo team. Her dad is the basketball coach at the college in Asheville and has twice taken his teams to the national small college (NAIA) finals.

"The Hartmans are a pretty competitive family," says Asheville YMCA Coach Chuck Hines, "and Connie is the toughest competitor of them all.

#### THE MASTERS CORNER

By CPT, Ransom J. Arthur, M.D.

A number of us have just returned from Honolulu where we had a marvelous time. The weather was perfect, the scenery lovely, and the swimming challenging. There was an inter-island relay race in which teams competed in the ocean, a Masters swimming meet in an open air 50 meter pool, and the two-mile Waikiki Rough Water Swim.



model of what a Masters program should be, keen swimming and exciting competition combined with lots of fun for the participants. I think we should also try for this fun element in all our meets. Pleasure really is an essential element of the program. The Waikiki Rough Water Swim was a long one, or perhaps it just seemed that way to me, because Dick Rahe and I went breaststroke the entire way.

The Annual La Jolla Rough Water Swim went off this year in fine style in spite of cloudy skies. The field was the largest in history and, more to the point, included a very large number of swimmers over 25. I can remember La Jolla a decade ago when there were a few men over 50 swimming but virtually no one between 25 and 40. That is changing and I think rough water swims should be an important part of the Masters program in the future.

We are now entering the so-called "off season" during the autumn. There actually will be some meets during this time, however, I do wish everyone would think about the possibility of bidding for future National Championships. We do want the Nationals to be held in sites everywhere in the United States, but, of course, bids have to be made in order for this to come about.

Enid Uhrich and Ted Haartz intend to keep an up-to-date listing of all Masters meets to be held in Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island, New York and New Jersey. They also hope to compile a list of pools welcoming Masters swimmers who are visitors in these areas. Their final item would be a mailing list of persons and clubs who would like to receive notice of Northeastern Masters Swim meets. This would be available to all meet chairman in that area. So, for a stamped, self-addressed envelope, Enid and Ted could send (1) an up-to-date list of Masters swimmers and clubs in the Northeast Region, or (2) add someone's name to such a list if they would like to receive notice of regional meets, or (3) provide visitors with lists of meets and available practice pools in the NE region. Enid's address is 12 Highland Way, Burlington, Mass. 01803.





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#### THREE SWIMMERS TRIPLE AT NORTH SHORE JCC MEET

MIDDLETON, Mass.—Three swimmers were the big winners at the North Shore JCC 5th Development Age Group Meet, M. Costing, New England Swim School, F. Hormans, Bangor YMCA, and B. Broughton, New England Swim School, each placed first in three events in their age

Costing had wins in the girls 13-14 100 fly, with a time of 1:13.6, finishing before D. Schwartz, Wayland Swim Club, 1:14.9, and K. Peterson, Danvers YMCA Dolphins, 1:17.7. She also placed first in the 100 free, 1:03.8, ahead of S. Broughton, New England Swim School, 1:08.4 and B. Myles, Wayland Swim Club, 1:08.5 and the 100 back, 1:17.5, over Broughton, 1:19.3 and R. Dodge, Bridgewater Swim Club, 1:20.2.

Hormans finished first in the boys 13-14 100 back, 1:10.8, in front of C. Blake, Statford YMCA, 1:12.0 and K. Crosby, Fort Devens Swim Club, 1:16.1; the 100 fly, 1:06.3, over B. Jaksina, Fort Devens Swim Club, 1:14.8 and R. Garon, Wayland Swim Club, 1:18.2; the 100 free, 1:00.2, ahead of Blake, 1:03.0 and J. Sauinier, Hyde Park YMCA, 1:05.9.

B. Broughton took the 10 & under 50 free, 33.6. finishing before J. Ronan, North Shore JCC, 34.1 and C. Hagedorn, North Suburban YMCA Vikings, 37.4; 50 breast, 43.8, ahead of Ronan, 46.0 and B. Poli, Echo Hill Swim Club; the 100 fly, 38.7, edging out C. Tidmore, Kehoe Academy, 38.8 and C. Munroe, Danvers YMCA Dolphins, 42.9.

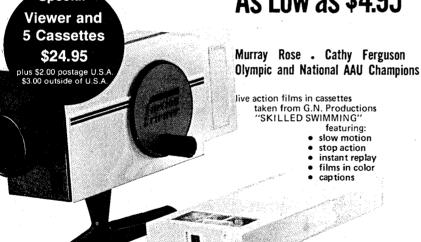
K. Chen, New London YMCA, S. Dembek, Hampden Regional YMCA, and P. Craffy, Bridgewater Swim Club, each claimed double wins in the girls competition. Chen placed first in the 10 and under 50 breast, 43.0 and 50 free, 35.0. Behind her in the breast was S. Smith, Fort Devens Swim Club, 47.5 and T. Propo, North Shore JCC, 47.6. In second place in the free was A. Sullivan, New London YMCA, 36.2; in third place was Smith, 36.3. S. Dembek, Hampden Regional YMCA, came up with wins in the 10 and under fly, 38.3, ahead of L. Buteau, Pawtucket YMCA, 40.8 and

B. Glimp, Belmont Hill Club Swimming Machine, 41.6; and the 50 back, 41.6, in front of Smith, 42.9 and B. Guerin, Quincy Swim Club, 43.6. Craffy took first place in the 15-17 100 breast with a time of 1:27.6, finishing before K. Calkins, Worcester Swim Club, 1:30.0 and J. Wong, North Suburban Y. Vikings, 1:32.0. Her other win came in the 100 free with a time of 1:05.5. Behind her was T. Tirrell, North Shore JCC, 1:07.0 and S. Mulcany, unattached, 1:08.9.

P. Young, Danvers YMCA Dolphins, and J. Gauthier, Quincy YMCA, each took two first places in the boys 11-12 division. Young had his wins in the 50 back, 35.9, over Gauthier, 36.7 and M. DeCarlo, Malden YMCA, 38.8; and the 50 breast, 39.3, in front of R. Savage, North Suburban YMCA Vikings, 40.0 and G. Huntley, North Shore JCC, 42.3. Gauthier won the 50 free and 50 fly with times of 30.1 and 32.3. Behind him in the free were DeCarlo, 31.1 and Young, 31.2. In second place in the fly was Savage, 33.2 and in third place was DeCarlo, 34.3.

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claimed two wins in the 15-17 competition. His wins came in the 100 fly, 1:11.3, shading S. Bernard, Wayland Swim Club, 1:11.3 and B. Moorhead, Danvers YMCA Dolphins, 1:12.9; and the 100 back, 1:11.8, in front of J. Hourinan, North Shore JCC, 1:12.5 and D. Mowry, Seekonk Dolphins, 1:13.6.

Other results not mentioned are as fol-

Girls 10 and Under: 25 free — J. Avers. WJCC, 17.3; J. Chase, WJCC, 19.0; L. Cohen, NSJCC, 20.0. Girls 11-2; 25 free — J. Trachtenberg, WJCC, 15.2; M. Most, NSJCC, 18.5; L. Sloane, NSJCC, 19.2. 50 free — K. Tucker, MRSC, 31.0; C. Dropp. NSJCC, 31.7; S. Burke, OSC, 32.3. 50 back — S. Garon, WSC, %—34; M. Craffey, BSC, 38.6; K. Tucker, MRSC, 39.1.50 breast — C. Dropo, NSJCC, 40.2; A. Cosagrea, unattached, 42.0; L. McGrath, NSJCC, 42.6. 50 fly — A. Cosagrea, unattached, 34.8 C. Dropo, 36.1; Tucker, 37.3. Girls 13-14; 100 breast — D. Lindberg, WOSC, 1:24.0; M. Costin, NESS, 1:24.7; S. Broughton, NESS, 1:27.3. Girls 15-17: 100 back — S. Mulcahy, unattached, 1:14.5.; K. Clementz, LSSC, 1:17.3; P. Craffey, BSC, 1:17.4. 100 fly — T. Tirrell, NSJCC, 1:14.0; P. Craffey BSC, 1:18.6; C. Tirrell, NSJCC, 1:20.0.

Boys 10 and Under: 25 free — J. Most, 19.0; S. Allen, 25.8; J. Levenson, 31.0. 50 back — W. Cheney, NSYV, 44.3; B. Broughton, NESS, 44.8; G. Munroe, DYD, 45.5. Boys 13-14: 100 breast — E. Eisenberg Basc, 1:22.9; G. Tobaison, BHSSM, 1:23.2; F. Homan, BYMCA, 1:26.8. Boys 15-17: 100 free — S. Bemard, WSC, 1:01.6; W. Leslie, NESS, 1:01.7; B. Eisenberg, BaSC, 1:05.0. 100 breast — Leslie, 1:17.5; Eisenberg, 1:20.0; R. Moorhead, DYD, 1:21.4.

#### GLASSETTER TOPS IN FITZGERALD NATIONAL

WARREN, Mich. — Bill Glassetter of the Greater Pittsburgh Swim Club highlighted the Fourth Annual Fitzgerald National Honorary Meet. He took top honors in the 13-14 division with six first place wins.

Bill placed first in the 100 back, 58.4, the 100 breast, 1:06.0, the 100 fly, 55.1, the 200 breast, 2:23.5, the 200 free, 1:53.5, and the 200 IM, 2:05.6.

Greg Roden of the Grand Blanc Barracudas and Kevin Gauthier of the Bulldog Aquatic Club each claimed five wins in their age groups. Roden came up with wins in the 50 free, 26.8, the 100 free, 58.6, the 200 free, 2:11.6, the 50 back, 31.0 and the 100 back, 1:09.3. Gauthier finished first in the 50 free, 27.1, the 50 back, 32.6, the 100 back, 1:13.0, the 50 fly, 31.8 and the 200 IM, 2:35.0.

Kathy Jolon of the Southfield Swim Club and Wayne Lawrence of the Waverly Swim Club each claimed wins in the 15-17 and open competition. Kolon finished first in the 15-17 100 and 200 breast, with times of 1:12.0 and 2:35.9; and the open 100 and 200 breast with times of 1:12.6 and 2:37.1. Lawrence took the open 200 free, 1:54.0, the 200 fly, 2:06.5, the 200 IM, 2:09.4 and the 15-17 200 free, 1:53.7

Cindy Brown of the Garden City Parks and Recreation captured the 11-12 200 free, 2:13.1, the 100 breast, 1:16.1 and the 200 IM, 2:25.5.

Other results in the back of the magazine.

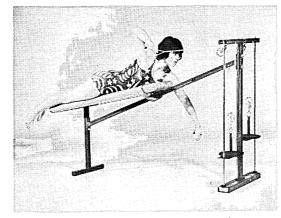
#### **BOBBY DAWSON RETIRES**

Bobby Dawson, mostly known through her work with Yale swimming, retired July

After retiring, Mrs. Dawson was chosen to serve as an official in the swimming events at the Olympic Games in Munich. It is the fourth time she has been selected by the U.S. Olympic Committee.

Mrs. Dawson has been keeper of Yale records for many years, along with keeping the Men's AAU Swimming Records and FINA records. In this position, she will keep all world swimming records.

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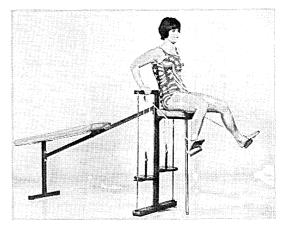
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#### 24 RECORDS SHATTERED IN 30 EVENTS AT MOUNTAIN PARK LONG COURSE SWIM By LEE RITTER

LAKE OSWEGO, Ore. — When Mountain Park's Region 12 Long Course Swimming meet began, it was expected there would be several superstar caliber athletes present, and almost everyone in the jam-packed crowd felt records would be broken, especially since the meet was billed as a last chance to qualify for Munich via Chicago's Olympic Trials.

But not even the coaches were prepared for the resulting pyrotechnics. In an awesome attack on the record book, 33 young whirlwinds qualified for the Trials and broke twenty four records in the 30-event, four-day meet.

The tough David Douglas women's team, winner last year in team totals, repeated behind 15-year-old Kim Peyton. Tacoma Swim Club was second in team score but fielded real talent in the men's division. Dan and Dave Hannula, Dave Williams and Rod Stewart carried home several records.

Cascade Swim Club of Seattle was there, and the Colellas, Rick and Lynn, showed the spectators why they were chosen Seattle's "Citizen(s) of the Year." Lynn Colella qualified in six events and at the end of the meet she smilingly told the reporters she felt ready

Thursday: 200 m. Backstroke, Women - Kim Peyton tested the water with 2:31.8 and led Eastmont's Jane Kinsley at 2:33.0. 200 m. Men's Backstroke — Dave Hannula, Tacoma, with 2:15.2, over Husky Swim Team's Mike McIntyre at 2:15.7 and young JO National Champion John Kingery, Multnomah Athletic Club, at

100 m. Breastsroke, Women — Lynn Colella thought the water was great and did 1:18.1. She led Debe Gratias, TSC, with 1:19.2 and Terry Utigard, TSC, at 1:19.5. All three qualified for Chicago. In the men's 100 m. breastsroke, Rick Colella showed his Pan-American Games form and finished strong but with Mike Dirksen and Rich Bleakman, David Douglas powers, on his trail. Rick's 1:10.0 beat out Mike's 1:11.8 and Rich's 1:12.1. Kim Peyton and Jo Harshbarger dueled ten yards apart in the 400 m free, and both qualified for the Olympic trials. Jo is a superior distance swimmer, with 4:31.9 in this case to Kim's 4:32.4.

The 400 m. men's free saw Dan Hannula, TSC, 4:15.6, beat brother Dave's 4:17.0. Third place went to another Tacoma swimmer, Dennis Larsen, 4:17.2.

100 m. Fly, Girls - Lynn Colella and Irene Arden of David Douglas gave one of the best performances of the evening. Colella was aware of the fifth of a second prelim difference between the two, and started fast. Arden, the record holder, almost caught Lynn at the touch. Both broke Miss Arden's record, Lynn with 1:06.8, Irene with 1:06.9. In third was a happy young Sandi Baker, David Douglas, at 1:08.2.

100 Men's butterfly saw another record set. Dan Hannula 59.7, won over MAC's Bob Thornton with the same time, by a judge's decision. Stan Carper, defending record holder, was third at 59.8.

Friday: 200 m. Freestyle, Women - Kim Peyton finished at 2:09.2, breaking her own record but behind Shane Gould's 1971 American record. Jo Harshbarger at 2:13.5 and Karen Andrus, DD, at 2:14.2, followed. 200 m. Freestyle, Men — Dan Hannula won the finals at 1:59.5 and his heat included four Tacoma teammates and Bob MacDonald, DD. The TSC sweep had Kurt Knipher at 2:02.2 and Tony Wickham with an almost identical time. 400 IM, Women — Lynn Colella, naturally, took first, 5:20.1, over Terry Ann Utigard, TSC, at 5:24.6, and Jean Stelzer, Cascade, with 5:25.9. 400 IM Men - Dave Hannula was impressive at halfway then Colella hit the breast and smoothed it on. Rick led by only a yard then Big Dave steamed through the freestyle section by ten feet. Their respective times were 4:41.0 and 4:44.6. Third went to MAC swimmer Dave Bahler, the Association record holder, with 4:52.5.

Saturday: Record wreckers return. 200 m. Women's Fly — Lynn Colella overcame the challenge of Sandi Baker after being just slightly ahead at halfway. Her time was 2:24.5, with Baker at 2:28.8 and Jean Stelzer at 2:32.1. 200 m. Men's Fly — Dave Hannula won again, over Bob Thornton of MAC and Cascade's Carl Hamry. The times were 2:09.4, 2:10.2, and 2:10.9. 200 m. Breaststroke, Women — Barbie Mitchell of TSC won at 2:47.4. Lynn Colella wanted to do better than her second place 2:49.6, but was unable to break the record she held jointly with Miss Mitchell. At Santa Clara, both did 2:47 and Lynn wanted 2:45 here. It didn't happen that way. Third was Corinne Biamont, DD, 2:50.0. 200 m. Breast, Men — Colella won easily. He broke his own record with 2:27.7 but did not threaten Brian Job's American record of 2:23.5. Dave

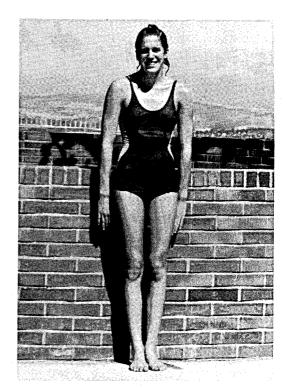


Photo by Jack McPhail

KIM PEYTON

Williams likes this event, coming in second with 2:35.2 and beating Mike Dirksen's 2:37.6 with just enough of a contest to make it exciting. 100 m. Backstroke, Women— A big event because Kim's little sister Kelly Peyton set 1:13.4 as the new Oregon Association record in the 11-12 girls group. Kelly is just 12, and hit the final match in sixth lane. Kim won it, with 1:10.8, and was very happy with her young sister. Robin Brannman, Cascade, was second at 1:11.0 and Jan Gleason, MAC, was third at 1:11.2. The local crowd helped Lake Oswego's Jan Gleason a bit, and the cheering section saw her shave more than a second off her preliminary time. 100 m. Backstroke, Men - Mike McIntyre, Husky, swam 1:00.9 in the prelims but 1:01.3 in the finals (new record). Dave Hannula was second at 1:02.1 and Dan Seelye, TSC, was number three with 1:02.7.

Sunday: Eight events, seven broken records. The young swimmers continued to rip the record sheets unmercifully and they seemed just as full of enthusiasm as when they arrived. 800 m Freestyle, Women — Favored Jo Harshbarger zipped to a 9:13.1. Kim Peyton tried at 9:25.3 and teammate Karen Andrus of David Douglas tallied a not so nifty 9:37.2. Their distance loving leader, Miss Harshbarger, did it again. 1500 m. Freestyle, Men — While the crowd chatted and took a coffee break, the big horses destroyed the old record, 18:53.0, and posted a sparkling 16:45.0 (Steve Nelson, Thurston), a 16:49.4 (Dennis Larsen, Tacoma) and a 16:56.8 (Jon Stewart, Tacoma). 100 m. Freestyle, Women — Speedy Kim Peyton won at 1:01.3, breaking her own 1:02.5 set during the prelims. Kari Wilcox, DD, was second at 1:02.0 and Julie Creary, MAC, finished at 1:03.1. 100 m. Freestyle, Men - How can you win when the first two men finished at 55.7 and the third at 55.8? Everyone else was there within a split tenth of a second, too. Judges, always alert, gave it to Dan Hannula and allowed teammate Bob Music a share at second place. Kurt Knipher, another Tacoman, took the bronze. 200 IM, Women — Colella did it with her breaststroke. She broke her own association record and raced to 2:33.3 over Barbie Mitchell's 2:34.3. Jean Stelzer, Cascade, followed to give a solid Puget Sound look on the awards stand with a 2:36.2, 200 IM, Men — This was a much awaited contest with Rick Colella leading after the breast, but strong Dave Hannula taking it in a freestyle froth. Dave's time was 2:14.3. Colella had 2:14.8. Defending David Bahler, MAC, was third with 2:16.5.

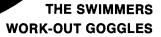
Individual times were critical, while team scores were posted to amuse the spectators. Thirty-three swimmers did qualify for Chicago and several new records are in the book to stay awhile. But for the people of Mountain Park it proved their sparkling new 50 meter facility is lightning fast in long course action. Every swimmer interviewed reported seconds saved and "best times ever."

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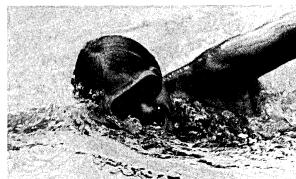
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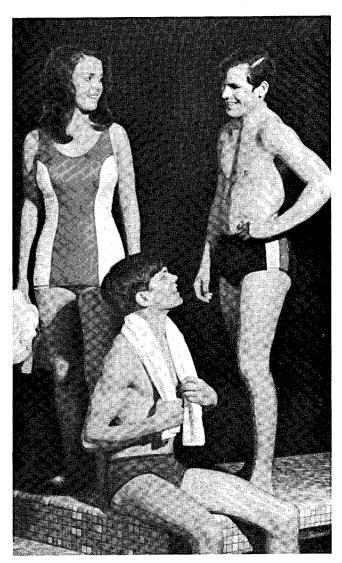
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EAST RIDGE SWIMATHON — Manning the Heart Fund Swim Marathon telephones during the 48-hour challenge are Dot Wafer of the Heart Association and Lydia Hatterschide, mother of one of the swim team members. The phones were located poolside at East Ridge and each ring got a cheer from the swimmers as they knew it was another donation to the Heart Fund coming in.

#### EAST RIDGE SWIM TEAM PUTS THEIR HEART INTO IT

The East Ridge Swim Team in Shreveport, Louisiana, put their hearts into raising \$1,500 for the Caddo Parish Heart Fund. They pledged to swim 1,000 miles in 48 hours if the public would donate \$1,500 while they were swimming night and day.

They began the Swim Marathon at 7 a.m. Wednesday, June 14, and finished at 7 a.m. Friday, June 16, and they did it with 42 kids. They swam 1,019.5 miles and raised over \$1,600 for the Heart Fund

Why did these 42 boys and girls from the East Ridge Swim Team decide to do this? Because more fathers die of heart related diseases than any other cause in Shreveport, in Louisiana, and in the United States. They just wanted to help give all dads a chance to live. The Caddo Heart Fund had not reached its goal of monies needed for the year. The team decided that since swimming is a good way to help prevent heart disease, they could help by challenging the public with a Swim Marathon. A local radio station, KEEL, promised 24 hour a day coverage and local television stations promised coverage on all newscasts. The Heart Fund set up phones by the pool at East Ridge to take pledge calls and the Swim Marathon was on.

The 32 "A" team members swam 1-hour shifts with 2-hour rest periods. The 10-member "B" team filled in taking night shifts to allow another hour's rest for "A" team members.

The East Ridge Swim Team ranks third in Louisiana, with less than half the members the top two teams have. They are coached by John Pittington.

Meinuers of the East Ridge Swim Team range in age from 8 to 17; twenty-eight of them are 12 years of age and under, and fourteen are over 12. "A" Team members are: Brian Beach, Donna Beach, Evan Campbell, Kim Cunningham, Matt Dillman, Beth Frazier, Chuck Glover, Scott Glover, Bert Govig, Todd Govig, Keith Hall, Cheri Harrington, Jeff Harrington, Edward Hatterschide, Cinde Hodges, Lyn Irish, Linda Irish, Alice Ann Jarred, George Lindley, Kevin Lindley, John Meyer, Bonnie Nathan, Keith Nathan, Sheri Nathan, Martin Poole, Janis Sayers, Terri Sayers, Carri Jo Shores, Todd Shores, Wylie Shores, Jim Smolenski and

"B" Team members who swam are: Dean Akin, Ray Brabham, Karen Gleason, Gary Harrington, Bruce Hearn, Harriett McGuire, Terri McGuire, Joanna Rubben, Marla Voss and Melody Voss.

High mileage girl swimmer was Terri Sayers and high mileage boy swimmer was Jim Smolenski.

#### COTTON RECEIVES EMERICH AWARD FOR TOP SWIMMER

COLORADO SPRINGS, Colorado — Danny Cotton of the Security Sea Lions won the Emerich Award during the Colorado Springs City Swim Meet (SC).

Danny won six first places and was awarded the Emerich Award which is given to the male swimmer earning the most points during the meet. This award is given in memory of David Emerich, a former Sea Lion swimmer who was killed early last year.

Danny took first in the 9-10 200 free, 2:27.6, the 50 free, 30.6, the 50 fly, 34.8, the 100 free, 1:07.4, the 50 back, 36.5, and the 200 IM, 2:48.1.

Kim Griffis of the Security Sea Lions came up with five first place wins in the 11-12 division. She finished first in the 100 free, 1:02.8, the 200 free, 2:19.0, the 50 free, 28.3, the 100 fly, 1:09.9 and the 100 back, 1:09.7.

Lynn Jackson, Air Force Falfins, Doug Harlow, Air Force Falfins, and Mark Lovell, Pikes Peak YMCA, each claimed four first places in their age groups.

Miss Jackson had her wins in the 9-10 100 free, 1:15.9, the 200 free, 2:49.6, the 100 back, 42.3, and the 200 IM, 3:15.4.

Harlow took the 11-12 100 free 1:00.9, the 200 free, 2:14.7, the 100 back, 1:12.2, and the 200 IM, 2:36.7.

Lovell had his wins in the 15-17 competition. He placed first in the 200 free, 1:59.2, the 400 free, 4:14.5, the 100 fly, 57.9 and the 200 fly, 2:16.5.

Marsha Hile, Pikes Peak YMCA, Jackie Broyles, Air Force Falfins, and Wendy Griffis, Security Sea Lions, each claimed three wins in the girls 15-17 division. Miss Hile had her wins in the 100 free, 1:02.7, the 100 breast, 1:19.0 and the 200 IM, 2:33.3. Miss Broyles took the 200 free, 2:21.8, the 400 free, 4:59.1 and the 200 breast, 2:55.3. Wendy Griffis finished first in the 50 free, 27.9, the 100 fly, 1:07.4 and the 200 fly, 2:46.3.

Bob Lewis, Pikes Peak YMCA, and Drew Willis, Security Sea Lions, dominated the 13-14 competition, with each taking three wins. Lewis came up with wins in the 50, 100 and 200 free with times of 24.7, 56.5 and 2:07.1. Willis captured the 100 breast, 1:12.2, the 100 fly, 1:05.8 and the 200 IM, 2:24.7.

Kathy Cotton, Security Sea Lions, placed first in the 13-14 100 breast, 1:20.9, the 100 fly, 1:14.8 and the 200 IM, 2:38.8.

Carla Ward, Pikes Peak YMCA, and Jeff

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Allison, Ent Phantoms, each took two wins in their age groups. Carla placed first in the 13-14 100 and 200 free with times of 1:04.1 and 2:24.6. Jeff took the 50 free, 27.8 and the 100 fly, 1:10.7.

Jeff Gilbert of the Security Sea Lions finished first in the 15-17 100 free and 200 IM, with times of 53.3 and 2:16.4.

#### SOUTHEASTERN AQUATICS CLINIC FEATURES GAMBRIL

The Southeastern Aquatics Clinic for 1972 will feature Olympic Coach Don Gambril of Harvard Univeristy and the Phillips 66 Swim Club of Long Beach, California. Peter Daland of Southern California and Gambril are the current mens team coaches for the U.S. at Munich. Dates: November 3—4.

The clinic is in its 11th year and is conducted by theRecreation Services division of the University of Alabama at Tuscaloosa. Clinic directors are Fred Glaze and Hohn Foster of the division staff. Gambril itl lecture on Friday evening, November 3, and SatureaSaturday morning, November 4. Gambril will present films and discussion opportunities on the Olympic games at Munich.

Dr. William Lucas of the UA faculty will also lecture and conduct a swminar concerning the educational uses of hypnotic techniques in coaching athletics. Varsityy swimming, diving and water polo practices will also be open to clinicians on Friday afternoon beginning at 1 p.m. An added attraction will be the Saturday afternoon Mississippi State Football game

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#### CARONDELET YMCA TAKES CAPITOL CITY TROPHY

JEFFERSON CITY, Mo. — Carondelet YMCA of St. Louis won the first place team trophy at the Second Annual Capitol City Championships in a field of 26 teams from 7 states at the two-day meet. East Branch YMCA of Wichita, Kansas, took the second place trophy with Springfield, Missouri, third, and host JCSC fourth.

The boys open division was dominated by Mark Germer, Carondelet YMCA Swim Team, with Stu Delnevo, Springfield Swim Club, taking second place individual trophy. The girls open first place trophy went to Becky Cobb, Springfield Swim Club, with Cheryl Unruh, East Branch YMCA, placing second. The boys 13-14 first place trophy went to Steve Wilson, Carondelet YMCA, with teammate Dave Hemenway taking second. The girls 13-14 division was won by Mary Doyle, Decatur Swim Club, with Jill Conner, Carondelet YMCA, in second place.

The boys 11-12 was dominated by David Hall, Jefferson City Swim Club, with Lon Redgate, East Branch YMCA, taking home the second place trophy. The 11-12 girls first place trophy went to Laura Winters, Decatur Swim Club, with Janet Leuthold, Columbia Swim Club, in second place. In the 10 and under classification, the first place boys individual trophy went to Mark Mears, East Branch YMCA Swim Club, with second place to David Brodhacker, Jefferson City Swim Club. The 10 and under girls were dominated by Kris Schlegel, Topeka Swim Club, and Becky Connor, University City Swim Club, in second place.

#### 166 ENTRANTS SWIM ACROSS WAIKIKI BAY

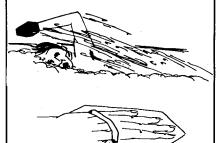
HONOLULU, Ha.—The Third Annual Waikiki Roughwater Swim started with a boom not a bang as a cannon from Ft. Ruger, placed at the Natatorium for the occasion, proclaimed the start of the classic 2-mile swimming race on Labor Day afternoon.

One hundred sixty-six entrants then splashed into the water simultaneously to swim out the channel at Sans Souci Beach, across Waikiki Bay and in to shore again.

Lord Tally Ho Blears began the ceremonies when the last swimmer finished 2 hours and 35 minutes after the start. The winners were in four categories-Open, Junior, Masters, and Special. They were as follows: Men's Open — Sam Chesser, Pearl Harbor Swim Club; Women's Open - Patty Wagner, Aulea; Boy's 12 and Under Junior—Scott Kimball, Seal Beach, California; Girl's 12 and Under Open-Kathy Shipman, Aulea; Boy's 13-14 Juniors-Gary Yeo, Seal Beach, California; Girl's 13-14 Juniors-Erin Cushman, Seal Beach, California; Masters Men 25-34—Bob Roper, Olympic Club, San Francisco, California; Women 25-34—Judy Rassmussen, Waikiki Swim Club; Men's 35-44—Bumpy Jones, Sarasota YMCA; Women's 35-44—Natalie Naugle, Waikiki Swim Club; Men's 45-54-Carl Yates, Olympic Club, San Francisco, California; Women's 45-54-Jean Mathews, Long Beach Masters, California; Men's 55 and over-John McKenzie, San Fernando Valley Athletic Club; Special: Youngest—Chippy Chong, Hawaii Kai Swim Club; Oldest—Wally Laury, Waikiki Swim Club; Last-Dorie LaCroix, Waikiki Swim Club.



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#### PROFESSIONAL MARATHON SWIMMING

BY: JOE GROSSMAN, Secretary, WPMSF World Professional Marathon Swimming Federation

The 1972 professional marathon swimming season has ended with a total of only four sanctioned races held - one in Italy and three in Canada's Ouebec Province.

The team of Horacio Iglesias of Argentina and Johan Schans of Holland scored their second team victory in as many weeks as they won the 28-mile race from Bagotville to Chicoutimi on the Saguenay River in the time of 9 hours, 58 minutes and 17 seconds. Iglesias, the reigning world champion, and Schans, who was the 1970 crown-wearer, had won the 24-hour race at La Tuque, Que., on the previous weekend. Iglesias was second-placer in the Capri-Naples race in early July.

The all-Syrian team of Mohamed Kahmis and Marwan Saleh were second to the Iglesias-Schans duo, finishing in 10:00.50, while Marwan Shedid of Egypt and teammate Jan Van Scheyndel of Holland were third in 10:05.35. Jon Erikson of Chicago and Raoul Villagomez of Mexico were fourth in 10:23.20, and Dennis Matuch, also of Chicago, and England's Geoffrey Lake were fifth in 10:28.24.

A total of 12 two-member teams competed in the Saguenay event, which was made a team race this year for the first time in its 10-year history. The only female entrant, Samia Mandour of Egypt, and her Syrian partner, Said Masri, were disqualified by race officials for having failed to exchange places in the water properly on four occasions.

The 18th annual crossing of Lac St. Jean, from Peribonka to Roberval, was won by Van Scheyndel — the first of only four finishers among the 23 who started the race. The 25-mile crossing was held under the worst conditions in its history, with water temperatures in the low 50s, a 40-mile-an-hour wind most of the day, and swimmers combating waves that reached seven feet in height during the race.

Van Schevndel completed the treacherous course in 10 hours and 38 minutes, followed by Villagomez, in 11:37, and Matuch, in 11:44. A fourth swimmer, Marwan Shedid of Egypt, managed to complete the 25 miles, although he touched in after the race officially ended and his time was not reported by the race committee.

Among the swimmers forced out by the unusually bad weather conditions were favorites Iglesias and Schans and all three of the female entrants, Diana Nyad, Samia Mandour and seven-time women's world champion Judith DeNijs Van Berkel of Holland.

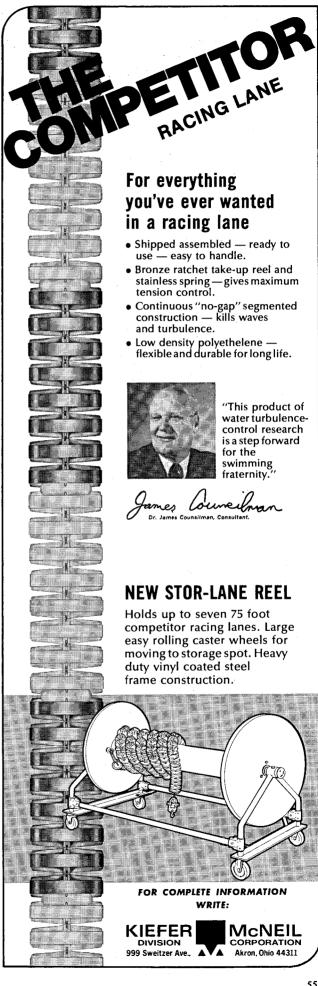
Missing from the marathoning scene this year was former world champion Abdel Latif Abou-Heif, a long-distance headliner since 1951. Following the Nile Arab Marathon held in Egypt in April, AMBOU/Heif was forced to abandon plans for further competition this year by a serious illness to his 11-year-old son, which required the "Crocodile of the Nile" to accompany the youngster abroad for medical treatment.

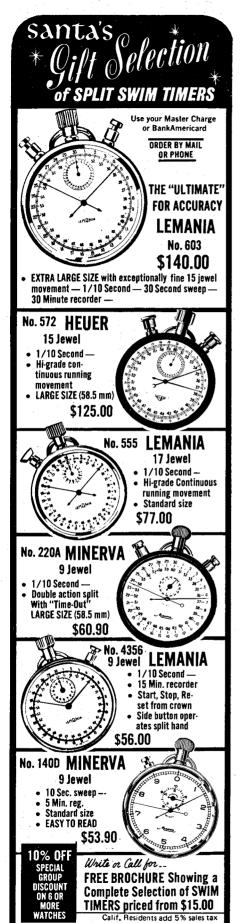
The England-to-France speed record was shaved for the second time within two months when U.S. Army Lieutenant R. Davis Hart made a 9-hour, 44-minute crossing on August 22. Hart, stationed in West Germany, erased a record set in early July by 15-year-old Lynne Cox of California. The new east bound time is within 10 minutes of Barry Watson's 9:35 mark for the "easy way" crossing from France to England.

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#### CORCIONE HIGHLIGHTS NEW JERSEY SR. CHAMPS

SEA BRIGHT, N.J. — The New Jersey AAU Senior Long Course Championships was highlighted by the performance of Cathy Corcione, unattached, who captured six events, all of them establishing new records.

Cathy's wins came in the 100 free with a time of 1:01.9, ahead of Kathy Heddy, Central Jersey Aquatic Club, 1:02.5 and Janice Anderson, Montclair YMCA, 1:05.1; the 200 free, 2:13.9, over Heddy, 2:16.0, Diane Jaglowski, Montclair YMCA, 2:20.2; the 200 back, 2:35.8, finishing before Tiny Condrillo, 2:35.8 and Denise Dalton, Central Jersey Aquatic Club, 2:42.1; the 100 fly, 1:09.9, with Diane Soden, Montclair YMCA, 1:11.0, second, and third, Lynn Faust, Central Jersey Aquatic Club, 1:12.2: the 200 IM, 2:32.7, outswimming Condrillo, 2:40.1, Faust, 2:42.6; and the 400 IM, 5:31.2, ahead of Faust, 5:41.3 and Beth Schnur, Montclair YMCA, 5:45.1.

Kent Duffy, unattached, put together four wins in the Senior boys events. He claimed the 100 free, with a time of 58.8, over Peter Butler, Ridgewood YMCA, 59.0 and Jack Martin, Central Jersey Aquatic Club, 59.5 and the 200 free, 2:08.3, finishing before Martin, 2:10.2 and Butler, 2:10.2. Kent dominated action in the fly by winning both the 100 and 200. His times in the fly were 1:04.2 in the 100, beating Tom Wood, Ridgewood YMCA, 1:05.3 and Jim Anderson, Central Jersey Aquatic Club, 1:05.3; 2:26.3 in the 200, easily winning over Wood, 2:29.8 and Ed Goracy, Central Jersey Aquatic Club, 2:30.6.

Rich Bohan of the Montclair YMCA claimed a double win in the breaststroke. In the 100, with a time of 1:12.2, he finished before Tom Kelly, North Jersey Swim Association, 1:15.1 and Mal Howard, unattached, 1:15.8. He also captured the 200, 2:26.3, easily over Howard, 2:41.4 and Tom Kelly, North Jersey Swim Association, 2:48.4.

Mal Howard had two firsts for himself in the 200 and 400 IM. His time in the 200 was 2:25.0. In second place was Alan Clancy, Montclair YMCA, 2:30.3 and in third was Andy Maggion, Summit YMCA, 2:31.4. His time in the 400 was 5:11.5. Behind Mal was Jim Ashenfelter, Montclair YMCA, 5:20.1 and Maggion, 5:23.6.

Peter Butler of the Ridgewood YMCA claimed the 400 free with a time of 4:41.6. Close behind was Kent Duffy, 4:41.4 and Jack Martin, Central Jersey Aquatic Club, 4:49.0. Jay Hoffacker, Central Jersey Aquatic Club, had a win in the 100 back, 1:05.8, ahead of Frank Fitzgerald, North Jersey Swim Association, 1:06.6 and Bob Angyal, unattached, 1:07.2. Bob Angyal came back and took the 200 back, with a time of 2:24.4, over Fitzgerald, 2:25.4 and Hoffacker, 2:31.4.

Kathy Heddy of Central Jersey Aquatic Club topped the 400 free with a time of 4:48.8, finishing before Lynn Faust, 4:57.2 and Connie Mach, Central Jersey Aquatic Club, 4:57.4. Tiny Condrillo, Central Jersey Aquatic Club, dominated the 100 back, 1:12.5. Behind Condrillo was Heddy, 1:14.7 and Denise Dalton, 1:15.9. Robin Hawkotte, Central Jersey Aquatic Club, took the 200 fly with a time of 2:45.0. In second place

(Continued on page 57)

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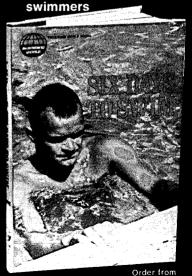


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#### **CNCA CONFERENCE SET**

WASHINGTON, D.C. — An International Aquatic Conference has been announced by the Council for National Cooperation in Aquatics and the Canadian Council for Cooperation in Aquatics, to be held in Quebec City, Canada, November 14-17 at Hotel Chateau Frontecac.

The four-day sessions will include the following workgroup seminars: outdoor aquatics and recreational boating; ideas and teaching techniques that work; fitness and conditioning; modern administration in aquatics; and developments in SCUBA and underwater safety.

The CNCA Conference is its 17th and it makes the first for the CCCA. Each registered delegate receives: delegate kit and materials; gains admittance to all general and workshop seminar sessions; travels to Laval University for tour of P.E. facilities; prebanquet social hour; Conference Fellowship Banquet; copy of the Conference Report upon publication; special hotel room rate of \$16.00 per night single, \$22.00 per night double.

For information and registration form contact: Dr. Harold T. Friermood, Executive Director, CNCA, 51 Clifford Ave., Pelham, N.Y. 10803. Canadian delegates contact Miss Jocelyn Palm, Secretary, CCCA, 559 Jarvis Street, Toronto 5, Can.

After Oct. 20, International Aquatic Conference HQ, %Dr. H.T. Friermood, Chateau Frontenac, Quebec City, Quebec, Canada

#### SAN FRANCISCAN RELAY TEAM WINS MARATHON RACE

HONOLULU, Ha.—A six-man relay team from San Francisco, called the San Franciscans, challenged a local swim team, the Waikikians, to a race across the Auau Channel and won. There were three teams taken over to Lanai Island that morning. The first swimmer for each team was dropped on the beach and the race began. After being in the water for 30 minutes, it was the second man's turn, and so forth, until the entire channel of 8½ miles was covered to the finish line. It took the winning team 3 hours and 37 minutes and the runnersup finished seven minutes later.

Members of the San Franciscans were Bob Roper, Lew Cook, Bump Jones and Frank Blair, all of the Olympic Club; Sam Montgomery, South End Rowing Club, and Dennis Rice.

The Waikiki "A" team was Art Welch, Bob Mack, Dr. Harry Huffaker, Jim Morelock, Dave Baker and Jim Hill, all of Waikiki Swim Club.

Third place winners were the Waikiki "B" team. The members were Anne Adams, Natalie Naugle, Jim Caldwell, Jim Cotton, Russ Harris, and Bill Sakovich. All are members of the Waikiki Swim Club.

#### CORCIONE

(Con't. from page 56)

was Maureen Callery, Montclair YMCA, 2:45.4 and in third was Denise Killeen, Montclair YMCA, 2:53.8. Judy Melick, Central Jersey Aquatic Club, had a win in the 100 breast, 1:20.4, finishing before Lynn Genesko, Central Jersey Aquatic Club, 1:22.2 and Debbie Renz, Montclair Swim Club, 1:22.5.

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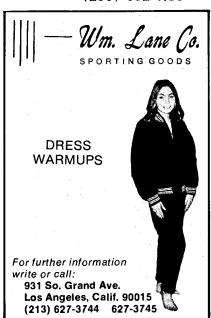
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A forum devoted to the interchange of ideas between swimmers, coaches, and parents. By Kent Porter, Swimming Coach of the Johnson County YMCA, Prairie Village Kansas.

No matter what we say about the Olympic Games being a neutral meeting ground for the world's athletes, it is not so.

The Olympics are very political and infested with all sorts of power struggles. A gold medal should mean only that this is the best individual athlete in a particular event. Instead it carries a national message that says, "Aha, see? We have now proved that our social, economic and political system produces better people than yours."



Most of us in the United States feel we have the best country in the world and thus feel that our athletes are the best in the world. It is a direct insult to our national pride when we get beat. Of course, when we do get beaten, the first cry that goes up is the old, "Our poor little amateurs against those nasty professionals" routine. I think that has not only been a feeble excuse, but is also not as valid as some people would like to believe.

It appears that our country may fast be becoming a case of history repeating itself. In almost every civilization, there has existed an inverse relationship between the physical condition of a nation and its economic status. History has shown many examples of nations

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becoming richer and richer while the physical condition of their population deteriorates.

We have gone the full range in this country from struggle to comfortable, to profitable, to wealthy, to what we could now call wretched excess. If history's lessons are correct, then it would seem that we could speculate that, first, our national physical deterioration is catching up with us. Secondly, other nations are becoming more sophisticated in their training as well as having a generally stronger, better conditioned population to work with. These may be disturbing comments but standardized physical tests given in several countries bear out these trends.

Another aspect which interests me is the hypocritical attitude which surrounds sports in this country. Sports are rapidly becoming amusement for the bored, wealthy masses instead of something designed to benefit the population. Professional sports are very big money entertainment ventures. I admire the television coverage of the Olympics, but I was dismayed to find this sponsored by an alcoholic beverage. Day after day, millions of impressionable young athletes were shown that athletes and alcohol go well together. I thought that was in very poor taste, so to speak.

I was also interested in going through a well-known sports periodical which carried the results of the Swimming Trials. There were 41 ads in that issue, 13 of which were alcohol or tobacco products—that's almost one-third of the ads. Something doesn't quite fit in all of this. I wonder if we really take athletics seriously beyond the point of their money and entertainment value. Comments? P.O. Box 8196, Prairie Village, Kansas 66208.

#### 4 SWIMMERS WIN 20 GOLD MEDALS TO HIGHLIGHT 4TH CULLIGAN MEET

NORTHBROOK, Illinois — Four swimmers shared in taking home 20 gold medals at the Fourth Annual Culligan Invitational. The four won five firsts apiece. Andy Veris and B.J. Sapoznik captured their victories in the senior competition. Mike Keck was a standout in the 11-12 age group, and Dianne Griebel was the best of the 9-10 division.

Veris, NSSA, captured his wins in the 100 free, with a time of 57.465, over Cliff Schlak, MPPD, 57.742, and Dave Hanson, HPD, 59.011; the 200 IM, 2:24.225, in front of Schlak, 2:27.874, and Gary Degraff, HPD, 2:29.142; the 200 free, 2:05.271, ahead of Schlak, 2:07.808, and Bruce McDonald, NSSA, 2:10.291; the 100 back, 1:07.911, finishing before Todd Keil, LFSC, 1:08.607, and James Austin, NPSC, 1:09.918; the 400 free, 4:32.363, outswimming Schlak, 4:35.514, and McDonald, 4:42.152.

B. J. Sapoznik, PRSC, put together wins in the 100 free, 1:07.018, edging out Hilda Burghardt, PPSC, 1:07.564, and S. Rafferty, LFSC, 1:10.358; the 200 IM, with a time of 2:44.039, finishing before Burghardt, 2:52.440, and Rosemary Paetau, OPSA, 2:52.486; the 100 fly, 1:13.609, easily beating Vicki Mauel, MM, 1:19.709, and Karen Arntzen, PRSC, 1:21.200; the 100 back, 1:19.841, over Paetau, 1:24.223, and Lynn Wiegman, WSO, 1:27.434.

Mike Keck, MAC, posted wins in the 100 free, with a time of 1:03.297, ahead of Louis Schmalzer, NYSY, 1:07.412, and Scott Stedman, MHSC, 1:08.010; 200 IM, 2:43.132, over Steve Prill, LFSC, 2:51.265, and Timothy Bird, EGPD, 2:53.006; the 50 fly,

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with a time of 32.734, finishing before John Mauel, MM, 32.968, and Prill, 32.978; the 50 back, 34.326, outswimming Dan O'Halloran, IBY, 34.462, and David Pauszek, MM, 36.400; the 50 free, 29.781, before Schmalzer, 30.227, and O'Halloran, 31.074.

Dianne Griebel, PRSC, had her wins in the 50 free, 33.671, shading Tracey Lindstrom, PRSC, 33.747, and Lynn Henry, SPSA, 34.275; the 50 breast, 43.889, finishing before Rhonda Shaw, RPSC, 44.754, and Marci Wells, PRSC, 45.564; the 200 IM, 3:00.619, over Lindstrom, 3:11.799, and Barbara Larson, NWSY, 3:20.124; the 100 free, 1:13.855, beating Lindstrom, 1:16.327, and Henry, 1:19.888; the 50 fly, 38.864, outswimming Lindstrom, 40.376, and Susan Sullivan, RPSC, 40.603.

Kim Lindstrom, PRSC, posted four wins in the 11-12 competition. Her wins were in the 100 free, with a time of 1:07.305, ahead of Teri Changnon, NPSC, 1:09.080, and Patty Pence, LFSC, 1:09.600; the 200 IM, 2:46.286, over Pence, 2:52.027, and Changnon, 2:52.621; the 200 free, 2:24.379, finishing before Pence, 2:28.189, and Changnon, 2:29.463; the 50 back, 35.376, in front of Julie Waters, MAC, 35.803, and Leslie Dellefield, NPSC, 36.613.

Greg Porter, PPKSC, tripled in the 13-14 division. He placed first in the 200 IM with a time of 2:40.700. In second place was Rodney Adams, LFSC, 2:45.288, and third place was Brent Bolin, EGPD, 2:46.070. In the 200 free, he placed first with a time of 2:18.104, ahead of Bolin, 2:19.781, and Adams, 2:20.247. His other win came in the 50 fly with a time of 30.874. Behind him were Joel Edwards, SY, 30.917, and Neil Hersh, NSSA, 31.422.

Katie Pence, LFSC, had four victories in the 13-14 division. Her wins came in the 100 breast, with a time of 1:28.595, shading Lee Ann Doehler, NWSY, 1:29.299, and Ingrid Arntzen, PRSC, 1:29.734; in the 200 IM, 2:47.065, over Arntzen, 2:50.420, and Cornelia Paetau, OPSA, 2:53.375; the 50 fly, 33.981, in front of Arntzen, 34.334, and Paula Hummel, JCSA, 34.727.

Frank Perella, MHSC, and Eric Sandberg, ASC, each claimed two wins in the 9-10 competition. Perella doubled in the 50 and 100 free with times of 32.585 and 1:12.461. In second place in the 50 was Eric Sandberg, 32.790, and third went to Pat Murphy, LSC, 33.979. Behind him in the 100 were Murphy, 1:14.236, and Scott Beutler, NWSY, 1:14.476. Sandberg placed first in the 200 IM with a time of 3:04.676, ahead of Joseph Jekot, PRSC, 3:04.955, and Mark Menis, PRSC, 3:09.247. His other win came in the 50 fly with a time of 36.033. Close behind was Jekot, 36.183, and Jim Soja, EGPD, 37.580.

Pam Albanese, LFSC, listed wins in the 11-12 50 fly, 34.447, over Kim Lindstrom, 34.512, and Dellefield, 35.406, and the 50 free, with a time of 31.044, finishing before Ellen McGowan, LSC, 31.261, and Changnon, 31.429.

In the 9-10 division, Mike Barron, PWASA, captured the 50 breast with a time of 44.485. In second place was Larry Wooley, EGPD, 44.757, and third was Sandberg, 46.086. Mark Menis had a win in the 50 back, 39.721, finishing before Hayes Kennedy, JCSA, 39.744, and Sofa, 40.717. Tracey Lindstrom won the girls 50 back with a time of 39.887. Behind her were Dianne Griebel, 39.967, and Marci Wells, PRSC, 40.500.

Ron Zhiss, MM, dominated the 11-12 50 breast with a time of 40.371, shading Mike Keck, 40.566, and Gary Stark, NWSY, 41.881. Robert Ramoska, LFSC, won the 200 free, 2:23.722, easily over Steve Prill, 2:27.946, and Scott Stedman, 2:28.480. Teri Changnon took the girls 50 breast with a time of 42.737, edging out Kim Lindstrom, 42.833, and Linmarie Gluchman, NWSY, 42.942.

In the 13-14 competition, Jeff Plack, PPKSC, captured the 100 free, 1:01.893, over Greg Porter, 1:02.440, and Brent Bolin, 1:03.147. Bolin had a win in the 100 breast with a time of 1:22.218. Behind him were Steve Brooks, WSO, 1:22.463, and Porter, 1:24.502. Tim Hunt came out ahead in the 100 back, 1:12.765, in front of Lee Kelly, JCSA, 1:14.725, and Pat Waters, RPSC, 1:15.261. Lee Ann Doehler placed first in the 100 free, 1:06.209, ahead of Sharon Beckman, LFSC, 1:07.877, and Katie Pence, 1:09.192. Betty Jo Kotula PRSC, won the 200 free. Her time of 2:24.209 placed her ahead of Pence, 2:30.557, and Beckman, 2:30.642. Cornelia Paetau listed a win in the 100 back, 1:17.998, in front of Martha Redding, PRSC, 1:19.609, and Ingrid Arntzen, 1:21.576.

David Gustafson, NSSA, had a win in the senior 100 breast, 1:17.225. Behind him were Scott Bolin, EGPD, 1:18.749, and Cliff Schlak, MPPD, 1:19.326. Scott Andrews, NPSC, captured the 100 fly with a time of 1:05.649, over Steve Sprangler, HPD, 1:08.381, and Roger Briggs, NSSA, 1:08.524. Hilda Burghardt claimed the 400 free, 4:58.687, over Kotula, 5:04.845, and Petra Horst, PRSC, 5:37.074. Mike Eddy won the senior girls 100 breast with a time of 1:27.579. In second place was Nancy Swider, PRSC, 1:28.196, and third place was Julie Kuksa, PRSC, 1:29.603.



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Entries close: November 13, 1972

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December 1, 2, 3, 1972 **Lohrey Center** Dayton, Ohio

A A U Sanctioned Team and Age Group Trophies 25 vd. 6 lane pool Non-Turbulence Lane Markers **Electronic Timing** Medals & Ribbons for first 6 Places

For meet information, contact:

Mrs. Jane Reiling **Entries Chairman** 3500 Meadow Lane Dayton, Ohio, 45419

#### **BUSTER CRABBE SHOWS TOP FORM AT HAWAII MASTERS**

HONOLULU, Ha .- Buster Crabbe, back in Hawaii after many years to promote the AAU Masters Swimming program, entered two events in the Masters Meet at Kaimuki Pool over the Labor Day weekend. and won both of them. Crabbe swam the 200 meter free in 3:02, best time in his age group, and was anchor on the 200 meter relay team called the "Senior All Stars" which won the Pineapple Relay (2 men and 2 women) of their age division. Other members of the team were Lloyd Osborne, Mary Ann Sears, and Dorothy Swett.

A new national record was established in the 45-49 age group. Carl Yates from the Olympic Club in San Francisco swam a 1:05 in the 100 meter free to better the old record by 2 seconds.

Overall High Point Winner was Judy Rasmussen of the Waikiki Swim Club who received a large Koa bowl trophy. Runnerup was Bill Loughborough of the San Mateo (California) Marlins with 25 points, just two less than Miss Rasmussen.

#### **DIVER CYNTHIA POTTER** ADDRESSES CONGRESS

Congressional leaders gathered for a special meeting, August 17, wishing the United States Olympic team the best of luck in Munich,

In response to the 35-minute special session from the House floor, diver Cynthia Potter of Houston, Tex., told Congress 'We'll all do our very best."

Although not many, those words became a footnote in the congressional record book; she was one of the few women who were non-members to speak in front of the House.

Also wishing the team good luck were Mrs. Pat Nixon and daughter, Julie Eisenhower, substituting for President Nixon.

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- \* All Age groups 8 & Under thru 15-17 \* Fla. Gold Coast "A" cut-off times
- Six-lane, 25-yd. Course in 55-yd. heated outdoor pool
- Non-turbulence racing lanes
- \* Awards Individual: trophies 1st 3rd; medals 4th - 6th

Relays: trophies 1st, Medals 2nd,

- 3rd, Ribbons 4th 6th
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#### **CORONADO - NAVY** SWIM ASSOCIATION Mid Winter Meet Coronado, California

December 16-17-18

Age Group & Open Coronado Municipal

- 50 meter Olympic pool 8 working lanes
- High point trophies each age group
- Medals 1st-3rd
- Ribbons 4th-6th

#### for information write:

P. O. Box 63 Coronado, Cal. 92118

Entries close December 1, 1972

## OLYMPIC NEWS & NOTES

A record number of AAU and U.S. college swimming coaches attended the Games, 32 to be exact. At one time on the practice pool deck, no less than 20 were observed on the deck.

Don Talbot, the head coach of the Australian national and Olympic swimming teams, has been appointed physical education lecturer and swim coach at Lakehead University in Thunder Bay, Ontario, Canada. Talbot, 38, coached 30 world record holders before this year's Olympic Games. His most recent stars are Brad Cooper, Graham Windeatt, Gail Neal and Beverly Whitfield.

Welcoming home parties were arranged for many of the Olympic swimmers. Sandy Neilson Day was celebrated on September 14 at El Monte, California, where the townspeople climaxed the day with a parade. Deena Deardurff, accompanying her parents home on the Swimming World Olympic Tour, was late when her flight from Europe failed to make connections with the U.S. flight to Cincinnati. More than 1,000 persons had gathered to honor the girl who had won a gold medal in the Munich Games. The University of Indiana plans a special celebration for Mark Spitz and other Hoosier swimmers on October 13 and 14. The swimmers will be honored during the halftime of the Indiana-Wisconsin football game. Gary Hall, Cynthia Potter, John Kinsella, Mike Stamm and Gary Conelly will be saluted, but Spitz who lives in Sacramento has not confirmed that he will attend.

The latest mod fashion in swimming is the wig. Germany's Werner Lampe shaved his head completely before the start of the 200 m. race. But he hid the fact with a blond wig which he doffed just before he mounted the starting blocks for the race in which he finished third. Genter, who finished second, also had a shaven head, but the American wore a cap to conceal his bare pate.

Despite Munich's bloody Tuesday, the emphasis at the Montreal Olympic village will be more on brotherhood than security, according to Roger Rousseau, commissioner-general of the 1976 Games.

Mark Spitz's seven gold medals will be worth \$5 million to him, Sherm Chavoor, Spitz's coach, said in California on September 7. Chavoor, who was also coach of the United States Olympic women's swim team, said Spitz's success in the Olympic Games would launch him on a successful career - but he did not say in what field. "Mark strives for excellence; he's an achiever," Chavoor said in an interview with Don Bloom of the Sacramento Bee. "He'll be a success at whatever he attempts. I'll assist him until he gets organized," Chavoor added. Also assisting Spitz will be the actor, Kirk Douglas, advising the 22year-old champion on which of several Hollywood contracts to accept. A Portuguese clothing manufacturer has proposed a five-year contract worth \$1 million. Also awaiting Spitz's signature are endorsements for swimsuits, eye goggles, and swimming pools, biographies and personal appearances. The much desired photo of Mark wearing the seven gold medals was purchased by Stern magazine. Swimming World attempted to take a photo of Mark with his medals but was rejected . . his agent refused to permit his exposure to the publication that has covered his feats since he was a ten-year-old age group swimmer . . .

For its 61½ hours of coverage of the XXth Olympiad from Munich, the ABC Television Network bought, rented or hired as supplemental equipment for the 502 employes at its production center in the Olympic Park: 365 ABC staff uniforms; 30 walkie talkies; 130 telephones; 600 yds. of carpeting; \$18,000 worth of cafeteria snacks; 10 beepers for paging; 1,000 yds. of draperies; two cases of cream hair rinse; \$14,000 worth of ABC pins, decals and patches; 60 garbage cans; 160 office chairs; 250 ash trays; \$5,000 worth of office supplies; 200 bars of hand soap; 100 waste baskets; 80 vehicles (cars, mini buses, trucks); 300 yds. of heavy drapes (for daytime sleepers). And of course, more TV cameras, video tape recorders and other broadcasting equipment than most U.S. television stations can boast.

Accolades should be heaped upon ABC television for the outstanding coverage they gave the Games. Murray Rose was the finest commentator of any sports specialist. The camera coverage was unbeatable.

Souvenir hunting in Munich carries its rewards and hazards at the Olympics, just as it does everywhere else. The city erected hundreds of flagpoles and bedecked them with colorful Olympic flags which became prime targets for souvenir hunters. More than 150 of the two-story-high flags disappeared in the dead of night in the first two weeks the Village was opened. A reward of 2,500 marks (800 dollars) was offered to anyone reporting a theft of a flag while in progress. To our knowledge no one has yet collected on that offer.

Sneaking in to march in the Opening Ceremony were two American swimmers, Andy Strenk and Bob Heiss. Strenk later became the official color man on swimming for the Armed Forces Radio.

While Rick DeMont was disqualified from the 1500 m. and lost his gold medal he had won in the 400 m. freestyle, the Olympic Medical Commission refused to disqualify 14 pentathlon athletes who had used tranquilizers. Prince Alexandre de Merode, president of the commission, said the athletes had not been disqualified because the competitors had not been told of a ban on tranquilizers. The International Pentathlon Committee had asked for a ban on tranquilizers — although the medical commission did not normally ban them — because it believed they could be used to steady athletes during such events as shooting. The decision cost the United States a bronze medal in the pentathlon.

There were more events (195) in more sports (22) involving more athletes (6,500) from more nations (122) than ever before in this biggest Olympics ever.

Russia won the most gold medals, with 50, and the most medals, with 99, to the U.S. totals of 33 golds and 93 total medals. It is the most gold Russia has won, bettering its high of 43 in Rome and bettering the U.S. high in Mexico of 45. The U.S. swimmers won 18 golds and 46 total medals, to be the top contributor once more for the third straight Olympics.

As usual, the rush for beds in Munich didn't develop. Most foreign visitors were housed in towns as far as 60 miles or more away from Munich. As a result there were at least 3,000 beds available in the city. What happened is that many tours cancelled at the last moment and the computers could not reassign the rooms to those who had been forced to take accommodations miles away.

Swimming was one of the most popular attractions at the Games. The cocoon-covered Schwimhalle seated but 10,000 spectators. Tickets that had been purchased for 20 marks were sold at Marienplatz for 80 marks. Those at 40 marks went for 150 marks, and there still were not enough for the demand.

The Munich Olympics are reputed to have cost close to \$650 million, with the plastic-covered dome costing approximately \$21 million.

Shane Gould's mother will soon release a book, "Swimming the Shane Gould Way," and of course it will be published in the United States.

Dr. Harold W. Henning, former secretary of FINA, was elected President of the world governing body by a 65-63 vote. Paul Hauch of Canada was elected secretary and Ante Lambasa, Yugoslavia, treasurer. Also elected as vice presidents in the order named: S. Firsov, USSR; B. Sallfors, Sweden; Ş. Salinas, Peru; Y. Ezz El Din, Egypt.

Ex-swimmers who competed in the Munich Games in canoeing and kayak were: Dr. Robert Hoag, 2nd in the 1965 National AAU 100 m. championships; William Leach, 7-time All America water polo, '67, '69 member of national water polo championship team; Anthony (Tony) Ralphs, 3rd, 1961 National AAU 1500 m. freestyle; Sperry Jones Rademaker, '61 national women's water polo championship, Marcia Jones Smoke, '61 national women's water polo championship.

A total of 313 national records were set at the 1972 Olympics. East Germany led the way by setting 35 new marks. Other top countries included the United States with 29, Germany with 24, and Australia and Canada, each with 20.

And speaking of statistics, 8500 athletes competed for 1109 medals and 195 titles.

The XX Olympiad established a record of some sort for measuring victories by the thousandths of a second. In the 400 m. individual medley, Tim McKee lost to Sweden's Gunnar Larsson 4:31.981 to 4:31.983. Then Rick DeMont won the 400 m. freestyle over Brad Cooper, 4:00.26 to 4:00.27, only to lose his gold medal by 12 parts in a million in a urine test, a new Olympic event!!!!

Not to be overlooked were the outstanding swims by Roland Matthes who again asserted his domination of the backstroke when he easily defended his backstroke crowns.



#### WINTER CLASSIC

#### December 28-30, 1972

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- 87 Individual and Relay Events
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#### SECOND ANNUAL

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- Sixty Events Custom Medals 1 6
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#### A & W **FLOATS CHAMPIONSHIP** MEET

Dec. 1, 2, 3, 1972 Madison, Wisconsin

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- **Electronic Timing**
- New 6 Lane 25 yard pool Age Group and Open
- 8 Under events
- Awards through 6th Place Individual High Point Trophies
- Team Trophies

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(608) 238-5643

#### LORD KILLANIN NAMED **NEW PRESIDENT OF IOC**

MUNICH, Germany-Lord Killanin succeeded outgoing president Avery Brundage as the head of the International Olympic Committee immediately following the 1972 Olympic Games.

Eighty-five-year-old Avery Brundage of the United States has reigned as president of the I.O.C: for 20 years.

Brundage's successor, Lord Killanin, 58, is a journalist, author, movie producer and businessman with interests in oil and banking. In addition to membership in the International Olympic Committee for 20 years, he served as its first vice president and Avery Brundage's chief deputy since 1968.

Lord Killanin was born in London just before the start of World War I in 1914. He was educated at Eton and Cambridge University and the Sorbonne in Paris.

#### FIG GARDEN DOLPHINS WIN WATER POLO TITLE

ALBUQUERQUE, New Mexico - The Fig Garden Dolphings of Fresno, California traveled to New Mexico to capture the 1972 AAU Junior Women's Outdoor Water Polo Championships. The team won three games in as many played in the competition.

Second place went to the Fremont Swim Association of Fremont, Nebraska, and third place went to the Coronado Aquatic Club "A" of Albuquerque, New Mexico.

Becky Stephans of the Fig Garden Dolphins was named the most valuable player at the competition.

Named to the 1972 All-American Women's Water Polo Team were Goalie: Chris De Witt, Fresno, California; Field: Kristi Shephard, Fresno, California; Becky Stephans, Fresno, California; Sally Bloom, Fremont, Nebraska; Jan Willems, Coronado Club; Annette Willmann, Fremont, Nebraska; Kathy Shepard, Fresno, California; Cathy Blossom, Coronado Club; Cindy Shephard, Fresno, California; Charlene Wardlow, Coronado Club; Val Hatten, Fremont, Nebraska; and Sally Cutter, Fremont, Nebraska.

#### **OMAHA WESTSIDE SWIM CLUB**

#### **Thanksgiving Swim Meet**

November 23, 24, 25, 1972

- A.A.U. Sanctioned
- **Timed Finals**
- Age Group including 8 and under
- and Open boy & girl
- Individual Trophies 1st thru 6th Places
- Relays 1st thru 3rd places
- Patches & T Shirts Available

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- "A" Meet, timed finals
- 25 & 50-yd distances, 6-In pool
- 8 & under, 10 & under, 11-12, 13-14, 15 & over
- Medley and freestyle relays: 10 & under, 11-12, 13-14, 15 & over
- Medals: top six individual events; top three relays
- Team Trophies: top three boy teams and top three girl teams
- Entries close Wednesday, Dec. 6 For further information,

Paul Parenteau 128 Brookline St. Worcester, Mass. 01603 Tel. (617) 756-3268

#### Greater Pittsburgh Swim Club

"presents"

#### 7TH ANNUAL THANKSGIVING MEET Friday and Saturday November 24 and 25, 1972

Age Group & Open Events

High Point Trophies

Individual & Team Awards

Minimum Time Standards

**Best Competitive Conditions** 

Entries close midnight, Monday 11/13/72

For Entry forms & Information contact:

**Maurice Taylor** 1154 Colgate Drive Monroeville, Pa. 15146 Phone: (412) 372-4006

#### SEVENTH ANNUAL "KEARNS HOLIDAY OPEN" **SWIM MEET**

**DECEMBER 28, 29 & 30** 

AGE GROUP & OPEN "A" SWIMMING **EVENTS** 

AGE GROUP & OPEN "B" SWIMMING **EVENTS** 

#### SCHEDULE:

December 28 — B events timed finals December 29-30 - A events timed finals

#### AWARDS:

"B" - Button Ribbons 1st thru 6th "B" - A Qualifying Medals

"A" - Custom Medals 1st thru 6ths High Point - Custom trophies "A" only Team - Custom trophies 1st thru 3rd Special Team — Out of State Custom trophy

#### For more information:

Kearns Youth Aquatic Team P. O. Box 18463 Kearns, Utah 84118

#### **CALENDAR OF EVENTS**

#### **OCTOBER**

ODE.
Winter Park, Fla.; Winter Park YMCA
San Bruno, Cal.; San Bruno Surfriders
Carlsbad, Cal.; N. County Finals
Windsor, Ontano; Windsor AC "A"
Mt. Clemens, Mich.; MaComb Marlins Swim Club "C"
Carmen Ranch, Cal.; Carmen Ranch "A"
2 Hayward, Cal.; Hayward Swim Club "A-AA"
Plymouth, Mich.; Bulldog Aquatic Club "B"
Glendale, Ariz.; Veteran's 10 (A & B)
Coronado, Cal.; Coronado Navy Swim Asso. Pentathlon
Oak Ridge, Tenn.; SEAAU (regional) Masters Champ
Davis, Cal.; Davis Aquadarts
Hialeah, Fla.; AG & Senior Invite
Miami, Fla.; Ann. Halloween Invite 8-14 "A" & Senior
Warren, Mich.; 12th Ann. Fitzgerald Halloween Swim Meet
Berea, Ohio; Berea Boosters "B" Meet
Westland, Mich.; South Livonia Swim Club "C"

25	Westiand, Mich., South Livolia Swift Club C
NOVEME	IER .
3-5	Racine, Wisc.; 7th Ann. AAU AG
4	Lakewood, Ohio; Lakewood Recreation Ginny Ward "B" Mee
4	Tulare, Cal.; 2nd Ann. Open Harvest Gold Meet
4	Monterey, Cal.; Monterey Marlins Pentathlon
4-5	Clarenceville, Mich.; Clarenceville Swim Club "B"
4-5	Ponca City, Okla.; 1st Ann. Pioneer Women's
,,	Swim Meet AG & Open
4-5	Miami Springs, Fla.; Miami Springs Fall Invite. AG "B"
10-12	Columbia, Mo.; A & B, AG, Open, Masters
11	Union Lake, Mich.; Walled Lake Swim Club "C"
11-12	Warren, Mich.; Warren Woods Water Warriors "A"
11-12	Fairview Park, Ohio; Fairview Parents
	Asso. AG & Open
11-12	Mountain View, Cal.; Mtn. View Dolphins
	SC, SC relays
18	Ypsilanti, Mich.; Huron Athletic Club Mens Open
18-19	East Detroit, Mich.; East Detroit Seals "B"
18-19	San Lorenzo, Cal.; Flying Fins SC "A-AA" SC
19	Canton, Ohio; Lake Erie Southern District Champs
19	Middleburg Heights, Ohio; Midpark Boosters
	Club AG & Open Meet
23-25	Omaha, Neb.; Thanksgiving Swim Meet
24-25	Washington DC; 18th Ann. Thanksgiving Meet
24-25	Pontiac, Mich.; Pontiac Swim Club "A"
24-25	Pittsburgh, Pa.; Greater Pittsburgh Swim Club
	7th Ann. Thanksgiving
24-25	Arlington, Va.; 18th Ann. Thanksgiving Meet
24-25	Tucson, Ariz.; 2nd Ann. Tucson Conquistadores
	Thanksgiving Invite.
24-26	Miami, Fla.; Sheeler-Winton Thanksgiving "A" & "B"
24-26	Little Rock, Ark.; 4th Ann. Thanksgiving Swim Meet
25-26	Glen Ellyn, III.; 2nd Ann. Turkey Invite
	single AG Champs
25-26	Leipzig, E.G.; Internat'l Competition
25-26	Northhampton, Mass.; 2nd Ann.
	Hampshire Regional YMCA-AAU Swim Meet
25-26	Chula Vista, Cal.; Chula Vista "A" Turkey Meet
DECEMB	
1-3	Dayton, Ohio; 1st Ann. Dayton Dolphin SC Meet
1-3	Madison, Wisc.; A&W Floats Champs Meet
1-3	White Plains, N.Y.; 3rd Ann-AG & Open
	Westchester Swim Classic
2-3	East Lansing, Mich.; Golden Serpents Booster Club "B" Warren, Ohio; Warren Swim Club Snowflake "B" Meet
3	Detroit, Mich.; Patton Aquatic Booster Club "A"
9-10	Fremont, Cal.; Mission Valley Marlins
9-10	Fairview, Ohio; Lake Shore Challenger "B" Meet
10 15-16	Lyndhurst, Ohio; Lake Erie Cokes Invite AG & Open Meet
15-16	Cincinnati, Ohio; Eake Erie Cokes invite AG & Open Meet
13-17	Marlins National Invite
16-17	Coronado, Cal.; Coronado Navy Christmas
.5-17	AG & Open Meet

#### **DIVING**

Worcester, Mass.; 5th Ann. Eastern Sprints Beloit, Wisc.; "AA" Winter Classic Kearns, Utah, 7th Ann. "Kearns Holiday Open" Swim Meet

#### **NOVEMBER**

16-17 28-30

Euclid, Ohio; 2nd Ann. Euclid 1 & 3 Meter AG & Open Diving Meet

#### CLÍNICS

#### **OCTOBER**

21-22

Portland, Ore.; Pacific Northwest Swimming Coaches Clinic Evanston, III.; III. Swimming Asso. 18th Officials Clinic

Berkeley, Cal.; Aquatics Workshop

#### **NOVEMBER**

14-17

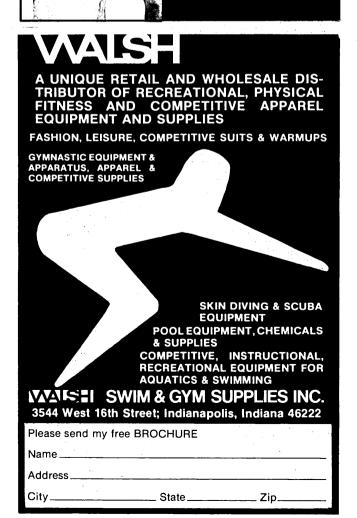
**DECEMBER** 

Tuscaloosa, Ala.; Southeastern Aquatics Clinic Quebec City, Can.; Internat'l Aquatic Conference

Pompano Beach, Fla.; 33rd Women's Nat'l Aquatic Forum



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#### **POSITION WANTED**

AQUATIC EDUCATION POSITION, FULL TIME, wanted by qualified and experienced college graduate with 2 years as YMCA Co-Director Aquatic Education, and 2 summers as swim club head instuctor and lifeguard. Three years as YMCA aquatic instructor and 8 years as ANRC Water Safety Instructor. ASCA member. Write Box 10721 Swimming World, 5507 Laurel Canyon Blvd., N. Hollywood, California. 91607.

FEMALE AQUATIC SPECIALIST AND COACH. Competitive, synchro, WSIT, FAI, certified teach (M.S in P.E.) YMCA Aquatic Inst., YMCA Skin and Scuba. Excellent references and expenence. Prefer Florida area. Box 10722, Swimming World, 5507 Laurel Canyon Blvd., N. Hollywood, Calif. 91607.

EXPERIENCED HIGH SCHOOL AND AAU COACH (8 yrs., M.A. in health and physical eduaction, W.S.I.T.) seeking a position change. Would prefer established high school, college or year-round A.A.U. program with national interests. Have developed many outstanding swimmers, produced title winning teams, and founded a 90 member A.A.U. team. For credentials and references please write: Box 10723, Swimming World, 5507 Laurel Canyon Blvd.,N. Hollywood, Cal.91607.

SWIMMING AND DIVING COACH WITH 20 YEARS EXPERIENCE in Pacific Southwest will consider relocating anywhere if offer is satisfactory. Successful coaching for age group, AAU and Olympic competition. Well known nationally for drownproofing technique in instructing all ages. Swim club and resort experience. Box 10724, Swimming World, 5507 Laurel Canyon Blvd., North Hollywood, Cal. 91607.

#### **HELP WANTED**

AQUATICS COACH AND ADMINISTRATOR WANTED by Pensacola teams to establish a league program. Experience and references necessary. Salary commensurate with ability. Send name to R. L. Hawkins, 3856 Arbutus Drive, Pensacola. Florida 32504.

THE UNITED STATES MODERN PENTATHLON TRAINING CENTER is looking for a swimming coach. He must be in the military service (any branch). For information, please contact the Officer in Charge, United States Modern Pent.Training Center, Fort Sam Houston, Texas, 78234.

ASSISTANT AGE GROUP SWIMMING COACH WANTED. Active and growing Swim Association needs Assistant to Head Coach. Full-time nonswimming position available working with children, plus 12-18 hours weekly coaching novice and less advanced AAU teams for extra \$200-\$250 monthly pay. Contact Dr. M. S. Rittenbury, Medical University Hospital, Charleston, South Carolina, 29401.

#### **MAGAZINES**

RUNNER'S WORLD. The magazine that can help you as a swimmer. Diet, training, ideas, etc. are included in each issue. In the May issue we featured an article entitled "Running and Swimming." 75 cents per copy or \$3.00 per year (six issues). Runner's World, Box 366, Mountain View, Cal. 94040.

WORLD SPORTS (Official magazine of the British Olympic Association). Follow the world and British swimming scene with frank, expert articles, action pictures, brilliant photographs in full-color and a monthly list of the world's best performances. "World Sports" published monthly. (35 cents U.S.A. and Canada) can be ordered direct rom Country & Sporting Publications Lts., 23-27 Tudor Street, London E.C. 4, England. A year's subscription costs 5 dollars.

**WATER POLO** 'Cont.'d from page 11) stone of America's defense all through the competition.

Gary Sheerer, team captain and former Stanford University captain, who scored two goals, said, "The team was aware it was the first American team to win a medal since 1932, but had felt from the beginning that they had a very good chance of winning. I'm really proud of the whole team and they played fantastically."

Bruce Bradley, who also scored two goals and was second high scorer in the tournament with 17 goals, said, "The Italians played better than expected. It took us a long time to get going, but now we're pretty happy."

The other American goals were scored by Barry Weitzenberg of Campbell, California, and the University of California at Berkeley and Jim Ferguson of Santa Clara and UCLA.

Allesandro Ghibellini scored both of Italy's goals in the final quarter, but the status of the medal never seemed to be in doubt.

The United States had a one-game lead going into the match and the Italians needed a two-goal victory to take the medal away from the Americans.

Rounding out the squad was Stan Cole of Whittier and UCLA and Russ Webb of Santa Monica and UCLA, both strong offensive and defensive players who contributed to all the team wins. Steve Barnett, one of the goal tenders from the 1968 squad from Cupertino and the University of California at San Jose and Eric Lindroth of Newport Beach and UCLA contributed to early United States' victories.

Monty Nitzkowski, head coach of Huntington Beach, California, and coach of Long Beach City College, must be congratulated on preparing this team for the best ever United States showing. His full court press on defense resulted in many interceptions and turnovers during the tournament. The other teams except the Russians used a dropback defense.

Art Lambert of Cupertino and coach of De Anza College, was assistant coach. Bob Helmick of Des Moines, National AAU and Olympic Chairman, turned in an outstanding managerial job.

Tony Van Dorp, the 1968 Olympic team goalie, who is presently stationed at Weisbanden Air Force Base in Germany, was continuously with the team during the competition and his help and presence contributed to this great team effort.

The water polo and swimming events were hardly over when the Arab Terrorists took over the Israeli quarters only one hundred yards away from the American quarters. The incident left 17 persons dead and for a time the future of any further Olympic Games competition was held in balance.



Read SWIMMING TIMES, Europe's top swimming magazinel A complete guide to news items and reports of meets throughout Europpe and Commonwealth countries. Surface mail subscription for one year \$5 dollars; airmail, \$10 dollars. Write to Swimming World, 12618 Killion Street, North Hollywood, Calif. 91607. Remittance must accompany subscription order.

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NAME	 	_
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THE XX OLYMPIAO	HEAT 2		HEAT 5	i	BENGT GINGSJOE SWEDEN 1:03.82 2:09.06
MUNICH, GERMANY	VLADIMIR BURE	USSR 1:56.15	RICK DEMONT	USA 4:05.70	3:14.57 4:20.56 5:26.24 6:31.59
AUGUST 28 - SEPT. 4, 1972	GEORGI KULIKOV	USSR 1:57.04	GRAHAM WINDEATT	AUSTRALIA 4:05.92	7:36.98 8:42.27 9:47.94 10:53.52
W = World Record	PIERRE CALAND	FRANCE 2:00.75	GERARDO VERA	VENEZUELA 4:11.37	11:59.01 13:03.99 14:09.08 15:14.31
A = AMERICAN RECORD	MICHAEL BAILEY	G.BRIT 2:00.79	JORGE DELGADO	EQUADOR 4:12.29	16:16.01
E = EUROPEAN RECORD	ZBIGNIEW PACELT	POLAND 2:01-28	MARK TREFFERS	N.ZEALAND 4:14.10	GRAHAM WHITE A'LIA 1:01.10 2:05.08 3:09.66 4:14.55 5:20.22 6:26.20
C = COMMONWEALTH RECORD	ARNALDO CINQUETTI	ITALY 2:01.78	ANTONIO CORELL	SPAIN 4:17.81	7:32.54 8:37.94 9:43.73 10:50.05
MEN	HEAT 3		OH-RYUN CHO	KOREA 4:21.78	11:56.44 13:02.46 14:08.49 15:14.56
100 METER FREESTYLE	WERNER LAMPE	W.GER. 1:55.97	HEAT 6		16:17,22
HEAT 1	GRAHAM WHITE	A'LIA 1:58.60	TOM MCBREEN	USA 4:06.09	MARK TREFFERS N.ZEALAND 1:03.29 2:08.53
Ruy Aquino Oliveira Brazil 54.26	JOHN MILLS	G.BRIT 2:00.17	BRIAN BRINKLEY	G.8RITAIN 4:06.44	3:14.07 4:20.24 5:26.35 6:32.49
GILLES VIGNE FRANCE 54.34	FRITZ WARNOKE	NORWAY 2:00.98	GRAHAM WHITE	AUSTRALIA 4:08.29	7:38.40 8:44.15 9:49.58 10:55.18
WILFRIED HARTUNG E.GERMANY 54.37	KAMEL KENAWY ALY MOSTAFA		RONALD JACKS	CANADA 4:16.08	12:00.72 13:05.76 14:10.55 15:15.58
MALCOLM WINDEATT G.BRITAIN 54.70	LUIS AYESA, JR	PHILIP. 2:05.97	VIKTOR ABOIMOV	USSR 4:17.04	16:18.84
GEOFFREY FERREIRA TRINIDAD 56.27			KLAUS DOCKHORN	E.G ERMANY 4:17.98	BRADFORD COOPER A'LIA 1:02.37 2:05.32
ROBERTO STRAUSS MEXICO 56.78	HEAT 4		GUILLERMO PACHECO	PERU 4:18.78	3:08.47 4:12.41 5:16.11 6:20.11
	KLAUS STEINBACH	W.GER 1:55.80	FRANCOIS DELEY	8ELGIUM 4:24.73	7:25.64 8:31.26 9:38.91 10:47.58
HEAT 2	WILFRIED HARTUNG	E.GER 1:56.95			11:56.60 13:05.02 14:13.65 15:22.73
IGOR GRIVENNIKOV USSR 53.64	GERARDO VERA	VENEZUALAI:57.33	FINALS	•	16:30.49
Colin Herring New Zealand 54.41	OLAF VON SCHILLING	W.GERM. 2:00.27	RICK DEMONT USA	DISQ.	GUILLERMO GARCIA MEXICO 1:01.08 2:04.66
ALAIN HERMITTE FRANCE 54.57	BERNT ZARNOWIECKI	SWEDEN 2:01.34	BRADFORD COOPER A'LIA	59.24 2:00.92	3:08.95 4:14.10 5:19.56 6:25.70
ANTONIO FERRACUTI EL SALVADOR 56.69	RICCARDO TARGETTI	ITALY 2:02.58		3:01.28 4:00.27	7:32.28 8:39.32 9:47.19 10:55.17
RUDAN SANDRO YUGOSLAVIA 56.91	FAWZI I. IRHAMA	Kuwait 2:33.75	STEVEN GENTER USA	59.13 2:01.03	12:03.65 13:11.53 14:19.79 15:28.18
BROUNE BASSOUL LIBYA 1:00.08				3:02.54 4:01.94	16:36.03
Union 2	HEAT 5	1104 1.50 04	TOM MCBREEN USA	59.43 2:01.09	100 METER BACKSTROKE
HEAT 3	FREDERICK TYLER	USA 1:56.04		3:02.13 4:02.64	HEAT I
VLADIMIR BURE USSR 52.87	PETER BRUCH	E.GERM 1:58.49	GRAHAM WINDEATT A'LIA	59.36 2:01.26	IGOR GRIVENNIKOV USSR 1:00.05
JORGE COMAS SPAIN 53.70 JOSE DINIZ ARANHA BRAZIL 54.06	BRUCE ROBERTSON	CANADA 1:59.02		3:02.62 4:02.93	ZOLTAN VERRASZTO HUNGARY 1:01-13
	MARIAN SLAVIC	ROMANIA 2:00.23	BRIAN BRINKLEY G.BRIT.		CLAYTON EVANS CANADA 1:01.69
	COLIN HERRING IAN MACKENZIE	N.ZEAL. 2:00.29	o oi	3:04.30 4:06.69	ROMULO OUNCAN ARANTES JRBRAZIL 1:03.18
Neil Rogers Australia 55.32	HANS PETER WUERMLI	CANADA 2:01.22	BENGT GINGSJOE SWEDEN	59.31 2:01.45	Tung-Hsiung Hsu China 1:03.31
PRAK SAMNANG CAMBODIA 59.18	ROBERTO STRAUSS	Switz. 2:03.14 Mexico 2:03.57	Menuco Laure 11 C	3:04.29 4:06.75	SERGIO HASBUN SALVADOR 1:06.53
HEAT 4	OUENTO OTRAUSS	2:03.3/	WERNER LAMPE W.GERM	58.50 2:01.19	VANSARUN CAMBODIA 1:07.26
Michel Rousseau France, 52.93	HEAT 6			3:03.44 4:06.97	
KARSTEN MEIER W.GERMANY 53.96	STEVEN GENTER	USA 1:55.42	1500 METER_FRE	FSTYLF	HEAT 2
GREGORY ROGERS AUSTRALIA 53.98	BRIAN BRINKLEY	G.8RIT 1:56.99		ESTILE	808 SCHOUTSEN HOLLAND 1:00.76
HARTMUT FLOECKNER E.GERMANY 54.36	PETER PRIJDEKKER	HOLLAND 1:58.78	HEAT I	11 Canas mul C-24 C2	LARS BORGESEN DENMARK 1:01.23
BRUCE ROBERTSON CANADA 54.76	RUY AQUINO OLIVEIRA	BRAZIL 2:00.48	HANS FASSNACHT PETER ROSENKRANZ	W.GERMANY16:34.63 W.GERMANY16:58.26	LASZLO CSEH HURGARY 1:01.63
FERIDUN AYBARS TURKEY 59.32	ROBERTO PANGARO	ITALY 2:00.97	FRANCOIS DELEY	BELGIUM 17:06.09	JOSE JOAQUIN SANTIBANEZ MEXICO 1:02.46
	RUDAN SANDRO	Yugo. 2:05.88	JAMES CARTER	G. BRITAIN 17:16.01	MILOS PREDRAG YUGOSLAVIAI:03.02
HEAT 5	TOMAS RENGIFO	EL SALV 2:08.67	SERGIO IRREDENTO	1TALY 17:19.45	GUSTAVO OSCAR GONZALEZ ARBENTINA 1:04.16
JOHN MURPHY USA 53.07	FINNUR GARDARSSON	ICELAND 2:08.88	FRIDRIK GUDMUNDSOON	ICELAND 17:32.47	GERARDO ROSARIO PHILIPINES 1:06.85
GEORGI KULIKOV USSR 53.78			EDWIN BORJA	PHILIPINEI8:12.17	
PETER BRUCH E.GERMANY . 54.25	HEAT 7				HEAT 3
PAULO ZANETTI BRAZIL 54.97	MARK SPITZ	USA 1:55.29	HEAT 2		JOHN MURPHY USA 59.93
BRIAN BRINKLEY G. BRITAIN 55.06	RALPH HUTTON	CANADA 1:56.84	GRAHAM WINCEATT	A'LIA 15:59.63	EJVIND PEDERSEN DENMARK 1:00.83
ZHIGNIEW PACELT POLAND 55.97	UDO POSER	E.GERMANY1:57.23	GUILLERMO GARCIA	Mexico 16:29.48	TADASHI HONDA JAPAN 1:00-89
ANDREW HUNTER   IRELAND 56.09	ROLF PETTERSSON	SWEDEN 2:00.02	Anders Bellbring	Sweden 16:33.27	IAN MACKENZIE CANADA 1:01-11 HELMUT PODOLAN AUSTRIA 1:01-49
ABDALLA A. ZEYAB KUWAIT 1:03.94	MARK ANTHONY CROCKER	H.Kong 2:12.85	DEANE BUCKBORO	CANADA 16:52.50	
HEAT 6	Prak Samnang	CAMBOD (A2:13.34	GERARDO VERO	VENEZUELA 17: 10.33	PIOTR OLUCIK POLAND 1:01.94 ANDREAS WEBER W.GERMANY 1:02.49
	FINALO		GUSTAVO OSCAR GONZALEZ	ARGENTINA 17:23.53	
JERRY HEIDENREICH USA 52.38	FINALS	26.00 55.06		ARGENTINA 17:23.53	
JERRY HEIDENREICH USA 52.38 Brian Phillips Canada 53.75	FINALS MARK SPITZ USA	26.09 55.06	HEAT 3		HEAT 4
JERRY HEIDENREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 54.07	MARK SPITZ USA	1:24.44W1:52.78	HEAT 3 Michael Burton	USA 16:09.56	HEAT 4 MIKE STAMM USA 58.63
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JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 54.07 GERHARD SCHILLER W.GERHARY 54.28 ATTILA CSASZARI HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53	MARK SPITZ USA STEVEN GENTER USA	1:24.44W1:52.78 26.66 54.93 1:24.28 1:53.73 26.82 55.73	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA	USA 16:09.56 AUSTRALIA16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68	HEAT 4  MIKE STAMM USA 58,63  LITZ WANJA E.GERMANY 1:00.62  PIERRE BAENR FRANCE 1:01.13  COLIN CUNNINGHAM G.BRITAIN 1:01.28  ANDERS SANDBERG SWEED 1:01.41
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CAMADA 53.75 ROBERT KASTING CANADA 54.07 GERHARD SCHILLER W.GERMANY 54.28 ATTILA CSASZARI HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SALVADOR 56.57	MARK SPITZ USA STEVEN GENTER USA WERNER LAMPE W.GERM	1:24.44W1:52.78 26.66 54.93 1:24.28 1:53.73 26.82 55.73 1:25.27 1:53.99 26.97 56.07 1:25.23 1:54.40	HEAT 3 MICHAEL BURTON GRAHAH WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER	USA   16:09.56 AUSTRALIA16:19.63 G.BRIT.   16:54.39 MEXICO   17:05.68 COLOMBIA   17:35.84	HEAT 4  MIKE STAMM USA 58,63  LITZ WANJA E.GERMANY 1:00.62  PIERRE BAENR FRANCE 1:01.13  COLIN CUNNINGHAM G.BRITAIN 1:01.28  ANDERS SANDBERG SWEED 1:01.41
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA	1:24.44W1:52.78 26.66 54.93 1:24.28 1:53.73 26.82 55.73 1:25.27 1:53.99 26.97 56.07 1:25.23 1:54.40	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER HEAT 4	USA 16:09.56 AUSTRALIA16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80	HEAT 4  MIKE STAMM USA 58.63 LIITZ MANJA E.GERMANY 1:00,62 PIERRE BAEHR FRANCE 1:01.13 COLIN CUMNINGHAM G.BRITAIN 1:01.28 ANGERS SANDBERG SVEDEN 1:01.41 NEIL MARTIN AUSTRALIA 1:05.13
JERRY HEIDEMREICH	MARK SPITZ USA STEVEN GENTER USA WERNER LAMPE W.GERM MICHAEL WENDEN A'LIA FREDERICK TYLER USA	1:24.44W :52.78 26.66 54.93 1:24.28 1:53.73 26.82 55.73 1:25.27 1:53.99 26.97 56.07 1:25.23 1:54.40 27.48 56.91	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER HEAT 4 DOUGLAS NORTHWAY	USA 16:09.56 AUSTRALIA16:19.63 G_BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA STEVEN GENTER USA WERNER LAMPE W.GERM MICHAEL WENDEN A'LIA FREDERICK TYLER USA	1:24.44W1:52.78 26.66 54.93 1:24.28 1:53.73 26.82 55.73 1:25.27 1:53.99 26.97 56.07 1:25.23 1:54.40 27.48 56.91 1:26.13 1:54.96	HEAT 3 MICHAEL BURTON GRAHAH WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86	HEAT 4   USA   58.63
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 55.07 GERHARD SCHILLER W.GERHAMY 54.28 ATTILA CSASZAR! HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SALVADOR 56.57 RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7 MICHAEL WENDEN AUSTRALIA 52.34 MARK SPITZ USA 52.46 KLAUS STEINBACH W.GERMANY 52.91 FRITZ WARNOKE NORWAY 54.41	MARK SPITZ USA STEVEN GENTER USA WERNER LAMPE W.GERM MICHAEL WENDEN A'LIA FREDERICK TYLER USA	1:24,44W  1:52,78 26,66	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY	USA 16:09.56 AUSTRALIA 16:19.63 G_BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80 USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY 16:44.59	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR	1:24,44W1:52,78 26,66 54,93 1:24,28 1:53,73 26,82 55,73 26,82 55,73 26,97 56,07 1:25,23 1:54,40 27,48 56,91 1:26,13 1:54,96 26,74 55,50 1:25,55 1:55,65 26,21 56,16	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINNEY ALBERTO GARCIA JORGE JARAHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ	USA 16:09.56 AUSTRALIA 16:19.63 G_BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80 USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY 16:44.59	HEAT 4   USA   58.63
JERRY   HEIDEMREICH   USA   52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.	1:24,44W   1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   1:25,27   1:53,99   26,97   56,97   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   26,21   56,16   1:26,96   1:57,24   27,51   57,28	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS BUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERNA ALFREDO CARLOS MACHADO	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.G ERMANY 16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34	HEAT 4   MIKE STAMH
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR	1:24,44W1:52,78 26,66 54,93 1:24,28 1:53,73 26,82 55,73 26,82 55,73 26,97 56,07 1:25,23 1:54,40 27,48 56,91 1:26,13 1:54,96 26,74 55,50 1:25,55 1:55,65 26,21 56,16	HEAT 3 MICHAEL BURTON GRAHAH WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCERZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERMANY 16:44.59 1TALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.38	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA	1:24,44W   1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,14   55,50   1:25,55   1:55,55   1:25,55   1:55,55   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,26	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS BUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERNA ALFREDO CARLOS MACHADO	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.G ERMANY 16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34	HEAT 4   USA   58.63
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 55.07 GERHARD SCHILLER W.GERHAMY 54.28 ATTILA CSASZARI HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SALVADOR 56.57 RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7 MICHAEL WENDEN AUSTRALIA 52.34 KLAUS STEINBACH W.GERHAMY 52.91 FRITZ WANNCKE NORMAY 54.41 ROBERTO PANGARO ITALY 54.74 MARIAN SLAVIC ROMANIA 55.35 JORGE VAN BALEN VENEZUELA 57.20	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA	1:24,44W   1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,14   55,50   1:25,55   1:55,55   1:25,55   1:55,55   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,26	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERMANY 16:44.59 1TALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.38	HEAT 4
JERRY HEIDEMREICH USA 52.38  BRIAN PHILLIPS CANADA 53.75  ROBERT KASTING CANADA 54.07  GERHARD SCHILLER HUSGARY 55.27  FINNUR GARDARSSON ICELAND 55.53  SALVADOR VILANOVA EL SALVADOR 56.57  RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7  MICHAEL WENDEN AUSTRALIA 52.34  MARK SPITZ USA 52.46  KLAUS STEINBACH W.GERMANY 52.91  FRITZ WARNCKE NORWAY 54.41  ROBERTO PANGARO ITALY 54.74  MARIAN SLAVIC ROMANIA 55.35  JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I  JERRY HEIDENREICH USA 52.31	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I	1:24,44W1:52,78 26,66 54,93 1:24,28 1:53,73 26,82 55,73 26,82 55,73 26,97 56,07 1:25,23 1:54,40 27,48 56,91 1:26,13 1:54,98 26,74 55,50 1:25,55 1:55,65 26,21 56,16 1:28,96 1:57,24 27,51 57,28 1:27,65 1:57,56	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINNEY ALBERTO GARCIA JORGE JARAHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFES DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80 USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65	HEAT 4
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 55.07 GERHARD SCHILLER M.GERNANY 54.20 ATTILA CRASLARI HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SALVADOR 56.57 RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7 MICHAEL WENDEN AUSTRALIA 52.34 KLAUS STEINBACH W.GERHANY 52.91 FRITZ WARNCKE NORWAY 54.41 ROBERTO PANCARO ITALY 55.35 JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I JERRY HEIDENREICH USS 52.31 IGOR GRIVENNIKOV USSR 52.55	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON	1:24,44W  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,82   55,73   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,55   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,56    YLE  SMEDEN   4:09,88	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS BUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERNA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY 16:44.59 ITALY 17:13.42 COLOMBIA 17:10.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIP INE 17:37.65	HEAT 4
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 55.07 GERHARD SCHILLER M.GERNANY 54.28 ATTILA CASLARI HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SALVADOR 56.37 RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7 MICHAEL WENDEN AUSTRALIA 52.34 MARK SPITZ USA 52.46 KLAUS STEINBACH W.GERHANY 52.91 FRITZ WARNCKE NORWAY 54.41 ROBERTO PANCARO ITALY MARIAN SLAVIC ROMANIA 55.35 JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I JERRY HEIDENREICH USA 52.31 IGOR GRIVENNIKOV USSA 52.35	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  GUNNAR LARSSON TON VAN KLOOSTER	1:24,44W   1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   26,21   55,65   26,21   56,16   1:26,96   1:57,24   27,51   57,26   1:27,65   1:57,56    YLE  SMEDEN   4:09,88   HOLLAND   4:11,72	HEAT 3 MICHAEL BURTON GRAHAH WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCERZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 R OMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERHAWY 16:44.59 1TALLY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A*LIA 16:11.41 SWEDEN 16:26.67	HEAT 4
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 55.07 GERHARD SCHILLER W.GERHAMY 54.28 ATTILA CSASZARI HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SALVADOR 56.57 RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7 MICHAEL WENDEN AUSTRALIA 52.34 MARK SPITZ USA 52.46 KLAUS STEINBACH W.GERHAMY 52.91 FRITZ WANNCKE NORWAY 54.41 ROBERTO PANGARO ITALY 54.74 MARIAN SLAVIC BOHANIA 55.35 JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I JERRY HEIDENREICH USA 52.31 IGOR GRIVENNIKOV USSR 52.55 VLADIMIR BURE USSR 52.60 MICHEL ROUSSEAU USSR 52.60 MICHEL ROUSSEAU JARANHA BRAZZIL 53.47	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LASSSON TON VAN KLOSSTER  GUILLERMO GARCIA	1:24,44W1:52,78 26,66 54,93 1:24,28 1:53,73 26,82 55,73 26,97 56,07 1:25,23 1:54,40 27,48 56,91 1:26,13 1:54,96 26,74 55,50 1:25,55 1:55,65 26,21 56,16 1:26,96 1:57,24 27,51 57,28 1:27,65 1:57,56 1:27,65 1:57,56	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS BUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERNA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERMANY16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65 A'LIA 16:11.41 SWEDEN 16:26.67 E_GERMANY16:55.30	HEAT 4
JERRY HEIDEMREICH USA 52.36  BRIAN PHILLIPS CANADA 53.75  ROBERT KASTING CANADA 54.07  GERHARD SCHILLER A. (SERMANY 54.28  ATTILA CRASZARI HUNGARY 55.37  FINNUR GARDARSSON ICELAND 55.53  SALVADOR VILANOVA EL SALVADOR 56.57  RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7  MICHAEL WENDEN AUSTRALIA 52.34  KALUS STEINBACH W.GERMANY 52.91  FRITZ WARNCKE NORMAY 54.41  ROBERTO PANGARO ITALY 54.74  MARIAN SLAVIC ROMANIA 55.35  JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I  JERRY HEIDENREICH USA 52.31  IGOR GRIVENNIKOV USSR 52.56  MICHEL ROUSSEAU FRANCE 52.82  JOSE ROBERTO DINIZ ARNAMA BRAZIL 53.47  BRIAN PHILLIPS CANADA 53.73	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER  GUILLEAMO GARCIA ALAIN CHARMEY	1:24,44W   1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,14   55,50   1:25,55   1:55,55   1:25,55   1:55,55   1:25,55   1:57,24   27,51   57,28   1:27,65   1:57,24   27,51   57,28   1:27,65   1:57,56    YLE  SWEDEN   4:09,88   HOLLAND   4:11,72   MEXICO   4:15,33   SWITZ   4:15,33	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINNEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BEGERRA ALFREDO CARLOS MACHADO GUILLERHO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 R OMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERHAWY 16:44.59 1TALLY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A*LIA 16:11.41 SWEDEN 16:26.67	HEAT 4
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 55.07 GERHARD SCHILLER W.GERNAMY 54.28 ATTILA CAS\$ZAR! HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SL SALVADOR 56.37 RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7 MICHAEL WENDEN AUSTRALIA 52.34 MARK SPITZ USA 52.46 KLAUS STEINBACH W.GERHAMY 52.91 FRITZ WARNCKE NORWAY 54.41 ROBERTO PANCARO ITALY MARIAN SLAVIC ROMBAY 54.21 JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I JERRY HEIDENREICH USA 52.31 IGOR GRIVENNIKOV USSR 52.55 VILADIMIR BURE USSR 52.50 VILADIMIR BURE USSR 52.50 MICHEL ROUSSEAU FRANCE 52.02 JOSE ROBERTO DINIZ ARANHA BRAZIL 53.47 BRIAN PHILLIPS CANADA 53.73 PETER BRUCH EJERMANY 53.73	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  GUNNAR LARSSON TON VAN KLOOSTER  GUILLERMO GARCIA ALAIN CHARMEY  BRUCK ROBERTSON	1:24,44W1:52,78 26,82 1:24,28 1:25,27 1:25,27 1:25,23 1:54,40 1:25,23 1:54,40 27,48 56,91 1:26,13 1:54,96 26,74 55,50 1:25,55 1:55,55 26,21 56,18 1:26,96 1:27,65 1:57,26 27,18  SWEDEN 4:09,88 HOLLAND 4:11,72 MENICO 4:15,33 SMITZ 4:18,25 SMITZ 4:18,25 SMITZ 4:18,25	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS BUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80 USA 16:15.30 N.ZEALAND 16:23.86 W.GERMANY16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65 A'LIA 16:11.41 SWEDEN 16:28.67 E.GERMANY16:55.30 KOREA 17:32.23	HEAT 4
JERRY HEIDEMREICH USA 52.36  BRIAN PHILLIPS CANADA 53.75  ROBERT KASTING CANADA 54.07  GERHARD SCHILLER A. (SERMANY 54.28  ATTILA CRASZARI HUNGARY 55.37  FINNUR GARDARSSON ICELAND 55.53  SALVADOR VILANOVA EL SALVADOR 56.57  RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7  MICHAEL WENDEN AUSTRALIA 52.34  KALUS STEINBACH W.GERMANY 52.91  FRITZ WARNCKE NORMAY 54.41  ROBERTO PANGARO ITALY 54.74  MARIAN SLAVIC ROMANIA 55.35  JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I  JERRY HEIDENREICH USA 52.31  IGOR GRIVENNIKOV USSR 52.56  MICHEL ROUSSEAU FRANCE 52.82  JOSE ROBERTO DINIZ ARNAMA BRAZIL 53.47  BRIAN PHILLIPS CANADA 53.73	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  GUNNAR LARSSON TON VAN KLOOSTER GUILLERMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER	1:24,44W  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   56,07   1:25,23   1:54,96   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,56    YLE  SMEDEN   4:09,88   HOLLAND   4:11,72   MEXICO   4:15,33   SMITZ   4:18,25   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:24,80	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALANO 16:23.86 W.GERMANY 16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY 16:55.30 KOREA 17:29.23 USSR 17:32.88 ACGYPT 17:42.83	HEAT 4
JERRY HEIDEMREICH USA 52.38  BRIAN PHILLIPS CANADA 53.75  ROBERT KASTING CANADA 54.07  GERHARD SCHILLER W.GERMANY 54.28  ATTILL CASSLAR! HUNGARY 55.37  FINNUR GARDARSSON ICELAND 55.63  SALVADOR VILANOVA EL SL SALVADOR 56.57  RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7  MICHAEL WENDEN AUSTRALIA 52.34  MARK SPITZ USA 52.36  KLAUS STEINBACH W.GERMANY 52.99  FRITZ MANNCKE NORWAY 54.41  MORMAY 52.93  JORGE VAN BALEN USA 52.31  IGOR GRIVENNIKOV USSA 52.35  VLADIMIR BURE USSA 52.55  VLADIMIR BURE USSA 52.55  VLADIMIR BURE USSA 52.55  VLADIMIR BURE USSA 52.50  MICHEL ROUSSEAU FRANCE 52.60  JOSE ROBERTO DINIZ ARANNA BRAZIL 53.47  BRIAN PHILLIPS CANADA 53.73  PETER BRUCH EJERMANY 53.97  KARSTEN MEIER W.GERMANY 54.35	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  GUNNAR LARSSON TON VAN KLOOSTER  GUILLERMO GARCIA ALAIN CHARMEY  BRUCK ROBERTSON	1:24,44W  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   56,07   1:25,23   1:54,96   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,56    YLE  SMEDEN   4:09,88   HOLLAND   4:11,72   MEXICO   4:15,33   SMITZ   4:18,25   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:24,80	HEAT 3 MICHAEL BURTON GRAHAM WHITE GRIAN BRINNEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS BUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERTA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANON CANSONOV KAMEL KENAMY ALY MOSTAF	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERMANI6:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:13.42 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY 16:55.30 KOREA 17:29.23 USS 17:32.88 AEGYPT 17:40.37	HEAT 4
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 55.07 GERHARD SCHILLER W.GERHANY 54.28 ATTILA CAS\$ZARI HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SALVADOR 56.57 RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7 MICHAEL WENDEN AUSTRALIA 52.34 MARX SPITZ USA 52.46 KLAUS STEINBACH W.GERHANY 52.91 FRITZ WARNCKE NORWAY 54.41 ROBERTO PANGARO ITALY 54.74 MARIAN SLAVIC BOHANIA 55.35 JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I JERRY HEIDENREICH USA 52.31 IGOR GRIVENNIKOV USSR 52.55 VLADIMIR BUBE USSR 52.50 VLADIMIR BUBE USSR 52.50 VLADIMIR BUBE USSR 52.50 MICHEL ROUSSEAU FRANCE 52.82 JOSE ROBERTO DINIZ ARANHA BRAZIL 53.47 BRIAN PHILLIPS CANADA 53.73 FETER BRUCH EJGERMANY 54.35  SEMI-FINAL 2	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  GUNNAR LARSSON TON VAN KLOOSTER GUILLERMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER	1:24,44W  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   56,07   1:25,23   1:54,96   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,56    YLE  SMEDEN   4:09,88   HOLLAND   4:11,72   MEXICO   4:15,33   SMITZ   4:18,25   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:20,31   CAMADA   4:24,80	HEAT 3 MICHAEL BURTON GRAHAM WHITE GRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERNA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER SENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALANO 16:23.86 W.GERMANY 16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY 16:55.30 KOREA 17:29.23 USSR 17:32.88 ACGYPT 17:42.83	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I GUNNAR LARSSON TON VAN KLOOSTER GUILLERMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAWY ALY MOSTAFA  HEAT 2 BENGT GINGSJOE	1:24,44W   1:52,78   26,86   54,93   1:24,28   1:53,73   26,82   55,73   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,40   27,48   55,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,55   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,26   1:27,27   1	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAN MARK TREFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF, BRIAN CLIFFORD	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80 USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:44.59 ITALY 17:13.42 COLOMBIA 17:36.36 PHILIPINE 17:37.65 A'LIA 16:11.41 SWEDEN 16:28.67 E.GERMANY16:55.30 KOREA 17:32.23 USSR 17:32.28 LESPT 17:42.83 IRELAND 18:09.28	HEAT 4
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CAMADA 53.75 ROBERT KASTING CAMADA 54.07 GERHARD SCHILLER W.GERNARY 54.28 ATTILA CASLARI HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SL SALVADOR 56.37 RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7 MICHAEL WENDEN AUSTRALIA 52.34 MARX SPITZ USA 52.46 KLAUS STEINBACH W.GERHANY 52.91 FRITZ WARNCKE NORMAY 54.41 ROBERTO PANCARO ITALY 54.74 MARIAN SLAVIC ROMANIA 55.35 JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I JERRY HEIDENREICH USA 52.31 IGOR GRIVENNIKOV USSR 52.55 VILDIMIR BURE USSR 52.50 VILDIMIR BURE USSR 52.50 VILDIMIR BURE USSR 52.00 MICHAEL WENDER ERMANY 53.73 KARSTEN MEIER W.GERMANY 54.35  MICHAEL WENDER USSR 52.37 KARSTEN MEIER W.GERMANY 54.35  MICHAEL WENDER USSR 52.37 KARSTEN MEIER W.GERMANY 54.35	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLERMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER  KAMEL KENAWY ALY MOSTAFA  HEAT 2	1:24,44M  1:52,78 26,66	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARMHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS BUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECENRA ALFREDO CARLOS MACHADO GUILLERHO PACHECO DAE IMLANI HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANDR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OBMONT	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILLIP INE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERNANY16:55.30 KOREA 17:22.23 USSR 17:32.88 ACGYPT 17:40.37 G.BRIT 17:42.83 IRELAND 18:09.28	HEAT 4
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 55.75 ROBERT KASTING CANADA 54.07 GERHARD SCHILLER W.GERHAMY 54.28 ATTILA CSASZARI HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SALVADOR 56.57 RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7 MICHAEL WENDEN AUSTRALIA 52.34 MARX SPITZ USA 52.46 KLAUS STEINBACH W.GERHAMY 52.91 FRITZ WANNCKE NORWAY 54.41 ROBERTO PANGARO ITALY 55.35 JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I JERRY HEIDENREICH USA 52.31 IGOR GRIVENNIKOV USSS 52.55 VLADIMIR BURE USSR 52.60 MICHEL ROUSSEAU FRANCE 52.62 JOSE ROBERTO DINIZ ARANHA BRAZIL 53.47 BRIAN PHILLIPS CANADA 53.73 PETER BRUCH E.GERMANY 54.35  KARSTEN METER W.GERMANY 53.97 KARSTEN METER W.GERMANY 54.35  SEMI-FINAL 2  MICHAEL WENDEN AUSTRALIA 52.32	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER  KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER	1:24,44M  1:52,78   26,66  54,93   1:24,28  1:53,73   26,82  55,73   26,97  56,07   1:25,23  1:54,40   27,48  56,91   1:26,13  1:54,96   26,74  55,50   1:25,55  1:55,65   26,21  56,16   1:25,55  1:57,24   27,51  57,28   1:27,65  1:57,24   27,51  57,28   1:27,65  1:57,56    VLE    Sweden   4:09,88   Holland   4:11,72   Mexico   4:15,33   G.Brit   4:24,97   EGYPT   4:24,97   Sweden   4:06,59   W.Gerh   4:06,59   W.Gerh   4:06,59   W.Gerh   4:06,59   W.Gerh   4:09,28   U.S.   4:09,28	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAWY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERMANY 16:44.59 H.GERMANY 16:44.59 BRAZIL 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY 16:55.30 KOREA 17:29.23 USSA 17:32.88 AGCYPT 17:42.33 IRELAND 18:09.28  USA 16:17.61 HOLLAND 16:34.77	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLERHO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE  HANS JOACHIM FASSNACHT UDO POSER PETER ROSENNRANZ	1:24,44W   1:52,78   26,86   54,93   1:24,28   1:53,73   26,82   55,73   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   56,16   1:26,96   1:57,28   1:27,65   1:57,28   1:27,65   1:57,56    YLE  SWEDEN   4:09,88   HOLLAND   4:11,72   MEDION   4:15,33   SWITZ   4:18,25   CAMADA   4:20,31   G.BRIT   4:24,80   EGYPT   4:24,97    SWEDEN   4:09,59   W.GERM   4:09,59   W.GERM   4:09,59   W.GERM   4:09,59   W.GERM   4:09,23   E.GERM   4:09,23   E.GERM   4:09,23   E.GERM   4:09,23   E.GERM   4:09,23   E.GERM   4:100,59   W.GERM   4:09,23   E.GERM   4:100,59   W.GERM   4:09,23   E.GERM   4:100,59   W.GERM   4:09,24   E.GERM   4:09,23   E.GERM   4:100,59   W.GERM   4:09,23   E.GERM   4:100,59   W.GERM   4:09,23   E.GERM   4:100,59   W.GERM   4:100,59   W.GERM   4:100,41   W.GERM   4:101,10   W.G	HEAT 3 MICHAEL BURTON GRAHAM WHITE GRAHAM WHITE BRIAN BRINNEEY ALBERTO GARCIA JORGE JARAHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERHO PACHECO DAE IHLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAWY ALY MOSTAF, NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERMANY16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:16.36 A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY16:55.30 KOREA 17:22.83 LRELAND 18:09.28  USA 16:17.37.65 A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY16:55.30 KOREA 17:22.88 AEGYPT 17:40.37 G.BRIT 17:42.33 IRELAND 18:09.28	HEAT 4
JERRY HEIDEMREICH USA 52.38 BRIAN PHILLIPS CANADA 53.75 ROBERT KASTING CANADA 55.75 ROBERT KASTING CANADA 55.07 GERHARD SCHILLER W.GERHANY 54.28 ATTILA CRASLARI HUNGARY 55.37 FINNUR GARDARSSON ICELAND 55.53 SALVADOR VILANOVA EL SALVADOR 56.57 RONNIE MAN CHUI WONG HONG KONG 57.53  HEAT 7 MICHAEL WENDEN AUSTRALIA 52.34 MARK SPITZ USA 52.46 KLAUS STEINBACH W.GERHANY 52.91 FRITZ WARNCKE NORWAY 54.41 ROBERTO PANGADO ITALY 55.35 JORGE VAN BALEN VENEZUELA 57.20  SEMI-FINAL I  JERRY HEIDENREICH USA 52.31 HONG GRIVENNIKOV USSR 52.55 VLADIMIR BURE USSR 52.50 VLADIMIR BURE USSR 52.55 VLADIMIR BURE USSR 52.60 MICHEL ROUSSEAU FRANCE 52.82 JOSE ROBERTO DINIZ ARANHA BRAZIL 53.47 BRIAN PHILLIPS CANADA 53.73 FETER BRUCH EJGERMANY 54.35  VARSTEN MEIER W.GERMANY 54.35  VARSTEN MEIER W.GERMANY 52.43 KLAUS STEINBACH W.GERMANY 52.87 MARK SPITZ USA 52.43 KLAUS STEINBACH W.GERMANY 52.87 JOHN MURPHY USA 53.17 ROBERT KASTING CANADA 53.62	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA	1:24,44W  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   1:53,99   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,55   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,26   1:27,65   1:57,56    YLE    Sweden   4:09,88   Holland   4:11,72   Sweden   4:11,72   CAMPADA   4:20,30   Switz   4:18,25   CAMPADA   4:20,30   EGYPT   4:24,97    Sweden   4:06,59   W.Gern   4:09,23   E.Gern   4:09,23	HEAT 3 MICHAEL BURTON GRAHAM WHITE GRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS BUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERNA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER SENST G INSSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF, NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERNASZTO	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERHANY 16:44.59 ITALY 17:13.42 COLOMBIA 17:16.88 BRAZIL 17:13.42 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY 16:55.30 USA 17:29.23 USA 17:22.88 LEGYPT 17:40.37 G.BRIT 17:42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 16:34.77 E. GERM 16:37.79 HUN 17:18.66	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST HEAT I GUNNAR LARSSON TON VAN KLOOSTER GUILLERHO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAHEL KENAWY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA DAE IMLANI	1:24,44W   1:52,78   26,86   54,93   1:24,28   1:53,73   26,82   55,73   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,40   27,48   55,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,55   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,56    YLE  SWEDEN   4:09,88   HOLLAND   4:11,72   MEXICO   4:15,33   SMITL   4:18,25   CAMADA   4:20,31   G.BRIT   4:24,97    SWEDEN   4:09,23   W.GERH   4:09,23   W.GERH   4:09,59   W.GERH   4:09,59   W.GERH   4:109,59   W.GERH   4:109	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO VLADYSLAW MOSTAKAJTIS	USA 16:09.56 AUSTRALIA 16:19.63 G_BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:144.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65 A'LIA 16:11.41 SWEDEN 16:25.50 KOREA 17:29.23 USA 16:17.22.34 IRELAND 18:09.28 ITALY 17:37.65 A'LIA 16:11.41 SWEDEN 16:25.70 KOREA 17:29.23 USSA 16:17.61 HOLLAND 18:34.77 E. GERM 16:37.19 HUN 17:18.66 POLAND 17:23.47	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA	1:24,44W1:52,78 26,62 54,93 1:24,28 1:53,73 26,82 55,73 1:25,27 1:53,99 26,97 56,07 1:25,23 1:54,40 27,48 56,91 1:26,13 1:54,96 26,74 55,50 1:25,55 1:55,65 26,21 56,16 1:26,96 1:57,24 27,51 57,28 1:27,65 1:57,56 1:27,65 1:57,56 1:27,65 1:57,29 1:27,65 1:	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARMHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS BUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERNA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKMORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERNANY16:55.30 KOREA 17:22.23 USSR 17:32.88 ACGYPT 17:40.37 G.BRIT 17:42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 16:34.77 E. GEM 16:37.19 HUN 17:18.66 POLAND 17:28.347	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY  BRUCE ROBERTSON NEIL OEXTER  KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA  DAE IMLANI DIMITRIOS THEODOROPOULOS	1:24,44W   1:52,78   26,86   54,93   1:24,28   1:53,73   26,82   55,73   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,40   27,48   55,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,55   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,56    YLE  SWEDEN   4:09,88   HOLLAND   4:11,72   MEXICO   4:15,33   SMITL   4:18,25   CAMADA   4:20,31   G.BRIT   4:24,97    SWEDEN   4:09,23   W.GERH   4:09,23   W.GERH   4:09,59   W.GERH   4:09,59   W.GERH   4:109,59   W.GERH   4:109	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO VLADYSLAW MOSTAKAJTIS	USA 16:09.56 AUSTRALIA 16:19.63 G_BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:144.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65 A'LIA 16:11.41 SWEDEN 16:25.50 KOREA 17:29.23 USA 16:17.22.34 IRELAND 18:09.28 ITALY 17:37.65 A'LIA 16:11.41 SWEDEN 16:25.70 KOREA 17:29.23 USSA 16:17.61 HOLLAND 18:34.77 E. GERM 16:37.19 HUN 17:18.66 POLAND 17:23.47	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER  GUILLERHO GARCIA ALAIN CHARMEY  BRUCE ROBERTSON  NEIL OEXTER  KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE  HANS JOACHIM FASSNACHT UDO POSER  PETER ROSENKRANZ TOMAS BECERRA  DAE IMLANI DIMITRIOS THEODOROPOULOS  HEAT 3	1:24,44W1:52,78 26,62 54,93 1:24,28 1:53,73 26,82 55,73 1:25,27 1:53,99 26,97 56,07 1:25,23 1:54,40 27,48 56,91 1:26,13 1:54,96 26,74 55,50 1:25,55 1:55,65 26,21 56,16 1:26,96 1:57,24 27,51 57,28 1:27,65 1:57,56 1:27,65 1:57,56 1:27,65 1:57,29 1:27,65 1:57,29 1:27,65 1:57,29 1:27,65 1:57,29 1:27,65 1:57,29 1:27,65 1:57,56 1:27,65 1:57,65 1:27,65 1:57,65 1:27,65 1:57,65 1:27,65 1:57,65 1:27,65 1:57,65 1:27,65 1:57,65 1:27,65 1:	HEAT 3 MICHAEL BURTON GRAHAM WHITE GRAHAM WHITE BRIAN BRINNEEY ALBERTO GARCIA JORGE JARAHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO DAE IHLANI HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN CH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAWY ALY MOSTAF. NEIL DENTER BRIAN CLIFFORD  HEAT 6 RICK OCMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERNANY16:55.30 KOREA 17:22.23 USSR 17:32.88 ACGYPT 17:40.37 G.BRIT 17:42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 16:34.77 E. GEM 16:37.19 HUN 17:18.66 POLAND 17:28.347	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA DAE IMLANI DIHITRIOS THEODOROPOULOS  STEVEN GENTER	1:24,44W  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,82   55,73   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,55   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,56   YLE  SWEDEN   4:09,88   HOLLAND   4:11,72   SWEDEN   4:11,72   SWEDEN   4:11,72   SWEDEN   4:24,97   SWEDEN   4:06,59   W.GERH   4:24,97   SWEDEN   4:09,23   E.GERH   4:10,10   COLOMBIA   4:20,30   E.GERH   4:10,10   GREECE   4:30,54   USA   4:05,89	HEAT 3 MICHAEL BURTON GRAHAM WHITE GRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERNA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER SENST GINSSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF, NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERHANY 16:44.59 ITALY 17:13.42 COLOMBIA 17:16.28 BRAZIL 17:13.42 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERHANY 16:55.30 KOREA 17:29.23 USSA 17:32.88 AEGYPT 17:40.37 G.BRIT 17:42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 16:34.77 E. GERH 17:18.66 POLAND 17:18.66 POLAND 17:18.67 FUNGARY 17:18.37	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST HEAT I GUNNAR LARSSON TON VAN KLOOSTER GUILLERMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA DAE IMLANI DIMITRIOS THEODOROPOULOS  NEAT 3  STEVEN GENTER ANDERS BELLBRING	1:24,44W   1:52,78   26,86   54,93   1:24,28   1:53,73   26,82   55,73   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,40   27,48   55,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,55   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,56    YLE  SWEDEN   4:09,88   HOLLAND   4:11,72   MEXICO   4:15,33   SMITL   4:18,25   CANADA   4:10,33   SMITL   4:18,25   CANADA   4:20,31   G.BRIT   4:24,97    SWEDEN   4:09,23   USA   4:05,59   W.GERH   4:10,54   USA   4:05,89   SWEDEN   4:20,36   USA   4:05,89   SWEDEN   4:08,38    SWEDEN   4:08,38    SWEDEN   4:24,07    USA   4:05,89   SWEDEN   4:09,38    SWEDEN   4:09,38    SWEDEN   4:24,09,40   USA   4:05,89   SWEDEN   4:08,38	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO ULADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80 USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:144.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE17:37.65 A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY16:55.30 KOREA 17:29.23 USSA 17:32.88 LECYPT 17:42.83 IRELAND 18:09.28 USA 16:17.61 HOLLAND 16:34.77 E. GERM 16:37.19 HUN 17:18.66 POLAND 17:23.47 SWITZEER 17:27.67 HUNGARY 17:43.97	HEAT 4
JERRY   HEIDEMREICH   USA   52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST HEAT I GUNNAR LARSSON TON VAN KLOOSTER GUILLERMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAWY ALY MOSTAFA HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER KAMEL KENAWY ALY MOSTAFA DE IMLANI DIMITRIOS THEODOROPOULOS  HEAT 3  STEVEN GENTER ANDERS BELLBRING ALEXANDS SAMSONOV	1:24,44W   1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,56   24,27,51   57,28   1:27,65   1:57,56   25,21   56,16   26,21   56,16   26,21   56,16   27,65   1:57,56   28,21   57,28   29,21   27,65   29,21   29,22   20,21   29,22   20,21   29,22   20,21   20,22	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARMHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKMORN OH-RYUN CHO ALEXANDR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OBMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06.96 4:10.70	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:44.59 ITALY 17:13.42 COLOMBIA 17:20.34 PERU 17:36.36 PHILLIP INE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERNANY16:55.30 KOREA 17:22.23 USSR 17:32.88 USSR 17:32.88 USSR 17:32.81 LIA 16:11.41 SWEDEN 16:26.67 E.GERNANY16:55.30 KOREA 17:22.23 USSR 17:32.83 USSR 17:32.37 SWITZEER.17:27.67 HOLLAND 16:34.77 E. GERM 16:37.19 HUN 17:18.66 POLAND 17:23.47 SWITZEER.17:27.67 HUNGARY 17:43.97	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA DAE IMLANI DIMITRIOS THEODOROPOULOS  TOMAS BECERRA DAE IMLANI DIMITRIOS THEODOROPOULOS  STEVEN GENTER ANDERS BELLBRING ALEXANOR SAMSONOY WOLFRAM SPERLING ALEXANOR SAMSONOY WOLFRAM SPERLING	1:24,44M  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,55   26,21   56,16   1:26,96   1:57,24   27,51   57,28   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:28,96   1:41,17   28,811   4:18,25   28,811   4:18,25   28,811   4:20,36   28,811   4:20,36   28,811   4:24,97   28,811   4:44,97   2	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY AND GROED TO THE STORY VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO OH-RYUN CHO OH-RYUN CHO CHEVEN STORY KAMEL KENAMY ALY MOSTAF. BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHBISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06.95 4:10.70 7:22.26 8:25.86	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80 USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:144.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE17:37.65 A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY16:55.30 KOREA 17:29.23 USSA 17:32.88 LECYPT 17:42.83 IRELAND 18:09.28 USA 16:17.61 HOLLAND 16:34.77 E. GERM 16:37.19 HUN 17:18.66 POLAND 17:23.47 SWITZEER 17:27.67 HUNGARY 17:43.97	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER  GUILLERHO GARCIA ALAIN CHARMEY  BRUCE ROBERTSON  NEIL OEXTER  KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE  HANS JOACHIM FASSNACHT  UDO POSER  FETER KAMEL KENAMY ALY MOSTAFA  DE IMLANI  DIMITRIOS THEODOROPOULOS  HEAT 3  STEVEN GENTER  ANDERS BELLBRING  ALEXANDR SAMSONOV  WOLFRAM OPERALING  SVERRE KILE	1:24,44W  1:52,76   26,66   54,93   1:24,28   1:53,73   26,82   55,73   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   56,16   26,21   56,16   27,65   1:57,26   1:27,65   1:27,26   1:27,65   1:27,66   1:27,65   1:27,66   1:27,65   1:27,66   1:27,65   1:27,66   1:27,65   1:27,66   1:27,65   1:27	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY AND GROED TO THE STORY VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO OH-RYUN CHO OH-RYUN CHO CHEVEN STORY KAMEL KENAMY ALY MOSTAF. BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHBISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06.95 4:10.70 7:22.26 8:25.86	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 USA 16:15.30 N.ZEALAND 16:23.85 W.GERHANY16:44.59 ITALY 17:13.42 COLOMBIA 17:13.42 COLOMBIA 17:13.42 COLOMBIA 17:13.42 FRID 17:13.42 FRID 17:13.42 FRID 17:13.43 FRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERHANY16:55.30 KOREA 17:29.23 USSA 16:17.42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 16:34.77 E. GERH 17:42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 17:23.47 SWITZEER.17:27.67 HUNGARY 17:43.97  1:00.28 2:03.22 5:14.48 6:18.19 9:29.96 10:33.81	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAWY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA DAE IMLANI DIMITRIOS THEODOROPOULOS  STEVEN GENTER ANDERS BELLBRING ALEXANDR SAMSONOV WOLFRAM SPERLING SVERRE KILE JOSE LUIS PRADO	1:24,44W  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   56,07   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   55,15   1:25,55   1:55,65   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   56,16   27,65   1:27,65   27,65   1:27,65   27,65   1:27,65   28,21   24,18,25   28,22   24,18,25   28,22   24,24,27	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY AND GROED TO THE STORY VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO OH-RYUN CHO OH-RYUN CHO CHEVEN STORY KAMEL KENAMY ALY MOSTAF. BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHBISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06.95 4:10.70 7:22.26 8:25.86	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERMANY 16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:13.42 PERU 17:36.36 PHILIP INE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY 16:55.30 KOREA 17:29.23 USSA 17:32.88 AEGYPT 17:40.37 G.BRIT 17:42.83 IRELAND 18:39.28  USA 16:17.61 HOLLAND 16:34.77 E. GERM 16:37.19 E. GERM 16:37.19 E. GERM 17:23.47 SWITZEER 17:27.67 HUNGARY 17:43.97  1:00.28 2:03.22 5:14.48 6:18.19 9:29.96 10:33.81 13:45.82 14:49.57 W.15:22.58	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER  GUILLERHO GARCIA ALAIN CHARMEY  BRUCE ROBERTSON  NEIL OEXTER  KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE  HANS JOACHIM FASSNACHT  UDO POSER  FETER KAMEL KENAMY ALY MOSTAFA  DE IMLANI  DIMITRIOS THEODOROPOULOS  HEAT 3  STEVEN GENTER  ANDERS BELLBRING  ALEXANDR SAMSONOV  WOLFRAM OPERALING  SVERRE KILE	1:24,44W  1:52,76   26,66   54,93   1:24,28   1:53,73   26,82   55,73   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   56,16   26,21   56,16   27,65   1:57,26   1:27,65   1:27,26   1:27,65   1:27,66   1:27,65   1:27,66   1:27,65   1:27,66   1:27,65   1:27,66   1:27,65   1:27,66   1:27,65   1:27	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKEY ALBERTO GARCIA JORGE JARAHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06,96 4:10,70 7:22,26 8:25,96 11:37,94 12:42.10  GRAHAM WINDEATT A*LIA	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERMANY 16:44.59 ITALY 17:13.42 COLOMBIA 17:16.38 BRAZIL 17:13.42 PERU 17:36.36 PHILIP INE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY 16:55.30 KOREA 17:29.23 USSA 17:32.88 AEGYPT 17:40.37 G.BRIT 17:42.83 IRELAND 18:39.28  USA 16:17.61 HOLLAND 16:34.77 E. GERM 16:37.19 E. GERM 16:37.19 E. GERM 17:23.47 SWITZEER 17:27.67 HUNGARY 17:43.97  1:00.28 2:03.22 5:14.48 6:18.19 9:29.96 10:33.81 13:45.82 14:49.57 W.15:22.58	HEAT 4
JERRY HEIDEMREICH USA 52.38	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAWY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA DAE IMLANI DIMITRIOS THEODOROPOULOS  STEVEN GENTER ANDERS BELLBRING ALEXANDR SAMSONOV WOLFRAM SPERLING SVERRE KILE JOSE LUIS PRADO	1:24,44W  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   56,07   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   55,15   1:25,55   1:55,65   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   56,16   27,65   1:27,65   27,65   1:27,65   27,65   1:27,65   28,21   24,18,25   28,22   24,18,25   28,22   24,24,27	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY AND GROED TO THE STORY VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO OH-RYUN CHO OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06,356 4:10.70 7:22,26 8:25,86 11:37,94 12:42.10  GRAHAM WINDEATT A*LIA 3:08,355 4:11.37 7:21,96 8:25,01	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 USA 16:15.30 N.ZEALAND 16:23.85 W.GERHANY16:44.59 ITALY 17:13.42 COLOMBIA 17:49.85 PHILIPINE 17:37.65  A*LIA 16:11.41 SWEDEN 16:26.67 E.GERHANY16:55.30 KOREA 17:29.23 USSA 16:17.42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 18:34.77 E. GERH 17:42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 17:23.47 SWITZEER.17:27.67 HUNGARY 17:43.97  1:00.28 2:03.22 5:14.48 6:18.19 9:29.96 10:33.81 13:45.82 14:49.57 W.15:25.58 1:01.44 2:04.89 5:15.48 6:18.95 9:28.46 10:32.19	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLERHO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA DAE IMLANI DIMITRIOS THEODOROPOULOS  HEAT 3  STEVEN GENTER ANDERS BELLERING ALEXANDR SAMSONOV WOLFRAM SPEALING SVERRE KILE JOSE LUIS PRADO FRIDRIK GUDMUNDSSON	1:24,44M  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,82   55,73   26,97   56,07   1:25,23   1:54,40   27,48   56,91   1:26,13   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   55,15   1:27,65   1:57,24   27,51   57,28   1:27,65   1:57,26   1:27,65   1:57,26   1:27,65   1:57,26   1:28,96   1:41,172   SWEDEN   4:09,88   HOLLAND   4:11,72   SWEDEN   4:08,88   HOLLAND   4:11,72   SWEDEN   4:08,98   EGYPT   4:24,97   SWEDEN   4:08,59   W.GERH   4:10,52   W.GERH   4:10,53   SWITZ   4:24,97   SWEDEN   4:08,59   W.GERH   4:09,62   W.GERH   4:10,59   W.GERH   4:24,97   SWEDEN   4:08,59   W.GERH   4:10,53   SWEDEN   4:08,59   W.GERH   4:10,53   SWEDEN   4:08,59   W.GERH   4:10,53   SWEDEN   4:08,59   SWEDE	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY AND GROED TO THE STORY VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO OH-RYUN CHO OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06,356 4:10.70 7:22,26 8:25,86 11:37,94 12:42.10  GRAHAM WINDEATT A*LIA 3:08,355 4:11.37 7:21,96 8:25,01	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERRANY16:44.59 ITALY 17:13.42 COLOMBIA 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERRANY16:55.30 KOREA 17:22.23 USSR 17:32.88 ACGUST 17:40.37 G.GRIT 17:42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 16:34.77 E. GEM 17:32.88 LEGYPT 17:40.37 G.BRIT 17:42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 16:34.77 E. GEMM 17:32.89  USA 16:17.61 HOLLAND 17:32.47 SWITZEER. 17:27.67 HUNGARY 17:43.97	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY  BRUCE ROBERTSON NEIL OEXTER  KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIN FASSNACHT UDO POSE PETER ROSENKRANZ TOMAS BECEBRA  DAE IMLANI DIMITRIOS THEODOROPOULOS  STEVEN GENTER  ANDERS BELLBRING ALEXANDR SAMSONOV  WOLFRAM SPERLING SVERRE KILE JOSE LUIS PRADO  FRIDRIX GUDMUNDSSON  HEAT 4	1:24,44W  1:52,78   26,66   54,93   1:24,28   1:53,73   26,82   55,73   26,97   56,07   1:25,27   1:53,99   26,97   56,07   1:25,23   1:54,96   26,74   55,50   1:25,55   1:55,65   26,21   55,15   1:25,55   1:55,65   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   55,165   26,21   56,16   27,65   1:27,65   27,65   1:27,65   27,65   1:27,65   28,21   24,18,25   28,22   24,18,25   28,22   24,24,27	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARMHILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERHO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANDR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OBMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06,96 4:10.70 7:22,266 8:25,06 11:37,94 12:42.10  GRAHAM WINDEATT Å*LIA 3:08,35 4:11,97 7:21,96 8:25.01 11:37,11 12:42.66	USA   16:09.56 AUSTRALIA   16:19.63 G.BRIT.   16:54.39 MEXICO   17:05.68 COLOMBIA   17:35.84 ROMANIA   17:35.84 ROMANIA   17:49.80  USA   16:15.30 KOREA   17:33.86 W.GERMANYI6:44.59 ITALY   17:13.42 COLOMBIA   17:16.38 BRAZIL   17:20.34 PERU   17:36.36 PHILLIP INE   17:37.65  A'LIA   16:11.41 SWEDEN   16:26.67 E.GERMANYI6:55.30 KOREA   17:20.23 USSR   17:32.88 ACOPT   17:40.37 G.BRIT   17:42.83 IRELAND   18:09.28  USA   16:17.61 HOLLAND   16:34.77 E. GERM   17:32.88 ACOPT   17:40.37 G.BRIT   17:42.83 IRELAND   18:09.28  USA   16:17.61 HOLLAND   16:34.77 E. GERM   17:32.88 ACOPT   17:40.37 G.BRIT   17:42.83 IRELAND   18:09.28  USA   16:17.61 HOLLAND   16:34.77 E. GERM   17:42.83 IRELAND   17:23.47 SWITZEER.   17:42.93 IRELAND   17:23.47 SWITZEER.   17:43.97  LIGO.28   2:03.22 5:14.48   6:18.99 9:29.96   10:33.81 13:45.82   4:49.57 W   15:52.58 1:01.44   2:04.89 5:15.48   6:18.95 9:28.46   10:32.19 13:47.96   4:53.59 13:47.96   4:55.59.48	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST HEAT I GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY BRUCE ROBERTSON NEIL OEXTER KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA DAE IMLANI DIMITRIOS THEODOROPOULOS  TEAT ANDERS BELLBRING ALEXANDR SAMSONOV WOLFRAM SPERLING SVERRE KILE JOSE LUIS PRADO FRIDRIK GUDHUNDSSON  HEAT 4  BRADFORD COOPER WERNER LAMPE RALPH HUTTON	1:24,44W  1:52,76     26,66   54,93     1:24,28   1:53,73     26,82   55,73     26,82   55,73     1:25,27   1:53,99     26,97   56,07     1:25,23   1:54,40     27,48   56,91     1:26,13   1:54,96     26,74   55,50     1:25,55   1:55,65     26,21   56,16     26,21   56,16     26,21   56,16     26,21   56,16     26,21   56,16     26,21   57,28     1:26,96   1:57,26     1:27,65   1:57,26     1:27,65   1:57,26     1:27,65   1:57,26     27,26   1:27,26     27,26   1:27,26     28,27   24,27     28,28     28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28,28   28,28     28	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERMO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERNEZIOT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERNEZION TON VERNEZION TON	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERNANY16:144.59 ITALY 17:13.42 COLOMBIA 17:36.36 PHILIP INE 17:36.36 A'LIA 16:11.41 SWEDEN 16:28.67 A'LIA 16:11.41 SWEDEN 16:28.67 E.GERMANY16:55.30 KOREA 17:32.88 ITALY 17:37.65 E.GERMANY16:55.30 KOREA 17:32.83 IRELAND 18:09.28 INSSA 16:17.61 HOLLAND 16:34.77 E. GERM 17:42.83 IRELAND 18:34.77 E. GERM 17:42.83 IRELAND 17:32.89 INSSA 16:17.61 HOLLAND 16:34.77 E. GERM 17:42.83 IRELAND 17:32.97  1:00.28 2:03.22 5:14.48 6:18.19 9:29.96 10:33.81 13:45.82 14:49.57 W 15:52.58 1:01.44 2:04.89 5:15.48 6:18.95 9:28.46 10:32.19 13:47.96 14:53.59 15:58.48 1:00.31 2:05.52 15:58.48 1:01.31 2:05.52	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER  GUILLERHO GARCIA ALAIN CHARMEY  BRUCE ROBERTSON  NEIL OEXTER  KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE  HANS JOACHIM FASSNACHT UDO POSER  PETER ROSENKRANZ TOMAS BECERRA  DAE IMLANI DIMITRIOS THEODOROPOULOS  HEAT 3  STEVEN GENTER  ANDERS BELLERING  ALEXANDR SAMSONOV  WOLFAM SPEALING  SVERRE KILE  JOSE LUIS PRADO  FRIDRIK GUDMUNDSSON  HEAT 4  BRADFORD COOPER  WERNER LAMPE  RALPH HUTTON  HEAT 4	1:24,44W   1:52,76     26,66   54,93     1:24,28   1:53,73     26,82   55,73     26,97   56,07     1:25,23   1:54,40     27,48   56,91     1:26,13   1:54,96     26,74   55,50     1:25,55   1:55,65     26,21   56,16     26,21   56,16     26,21   56,16     26,21   56,16     26,21   55,56     26,21   56,16     26,21   56,16     26,21   56,16     26,21   56,16     26,21   56,16     26,21   56,16     26,21   56,16     27,65   1:57,26     27,65	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY MARK TREFFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERHO PACHECO DAE IMLANI HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OPMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLAD YSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06.96 4:10.70 7:22.26 8:25.96 11:37.94 12:42.10 GRAHAM WINDEATT A*LIA 3:08.35 4:11.97 7:21.96 8:25.01 11:37.11 12:42.66  DOUGLAS NORTHWAY USA 3:09.46 4:13.35	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.86 W.GERMANY16:44.59 ITALY 17:13.42 COLOMBIA 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A'LIA 16:11.41 SWEDEN 16:26.67 E.GERMANY16:55.30 KOREA 17:22.23 USSA 17:22.28 ITALY 17:140.37 G.BRIT 17:40.37 G.BRIT 17:40.37 G.BRIT 17:40.37 G.BRIT 17:40.37 G.BRIT 17:40.37 HOLLAND 16:34.77 E. GEMM 16:37.19 HUN 17:18.66 POLAND 17:23.47 SWITZEER.17:27.67 HUNGARY 17:43.97  1:00.28 2:03.22 5:14.48 6:18.19 9:29.96 10:33.81 13:45.82 14:49.57 W 15:52.58 1:01.44 14:95.57 SYLONG 18:49.57 W 15:52.58 1:01.44 16:33.99 15:58.48 1:01.31 2:05.52	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY  BRUCE ROBERTSON NEIL OEXTER  KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIN FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA  DAE IMLANI DIMITRIOS THEODOROPOULOS  STEVEN GENTER  ANDERS BELLBRING ALEXANDR SAMSONOV  WOLFRAM SPERLING SVERRE KILE JOSE LUIS PRADO FRIDRIX GUDHUNDSSON  HEAT 4  WERNER LAMPE RALPH HUTTON  WLADYSLAW MOJTAKAJTIS ALFREDO CARLOS MACKADO  MLADYSLAW MOJTAKAJTIS ALFREDO CARLOS MACKADO	1:24,44W   1:52,78     26,66   54,93     1:24,28   1:53,73     26,82   55,73     26,82   55,73     1:25,27   1:53,99     26,97   56,07     1:25,23   1:54,40     27,48   56,91     1:26,13   1:54,96     26,14   55,50     1:25,55   1:55,55     26,21   56,16     1:28,96   1:57,24     27,51   57,28     26,21   57,28     27,51   57,28     27,51   57,28     27,51   57,28     28,28   4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     5:08     4:08,98     5:08     4:08,98     5:08     4:08,98     5:08     5:08     6:08     7:08	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY AND REFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06,36 4:10.70 7:22,26 8:25,96 11:37,94 12:42.10  GRAHAM WINDEATT A'LIA 3:08,35 4:11.37 7:21,96 8:25,01 11:37,11 12:42.66  DOUGLAS NORTHWAY USA 3:09,36 4:13.35 7:25,61 8:30.05 7:25,61 8:30.05	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANNA 17:49.85 USA 16:15.30 N.ZEALAND 16:23.85 W.GERHANY16:44.59 ITALY 17:13.42 COLOMBIA 17:10.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A*LIA 16:11.41 SWEDEN 16:26.67 E.GERHANY16:55.30 KOREA 17:29.23 USSA 16:17.42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 18:34.77 E. GERH 17:42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 17:23.47 SWITZEER.17:27.67 HUNGARY 17:43.97  1:00.28 2:03.22 5:14.48 6:18.19 9:29.96 10:33.81 13:45.82 14:49.57 W.15:52.56 1:01.44 2:04.89 5:15.48 6:18.95 9:29.46 10:32.19 13:47.96 14:53.59 13:47.96 14:53.59 13:47.96 14:53.59 13:47.96 14:53.59 13:47.96 14:53.59 13:47.96 14:53.59 13:47.96 16:38.59 13:47.96 16:38.59 13:47.96 16:55.52 5:17.00 6:21.19 9:34.84 10:39.95	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER  GUILLERMO GARCIA ALAIN CHARMEY  BRUCE ROBERTSON  NEIL OEXTER  KAHEL KENAWY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIM FASSNACHT UDO POSER  PETER ROSENKRANZ TOMAS BECERRA  DAE IMLANI DIMITRIOS THEODOROPOULOS  STEVEN GENTER  ANDERS BELLBRING ALEXANOR SAMSONOV  WOLFRAM SPERLING SVERRE KILE JOSE LUIS PRADO FRIDRIK GUDHUNDSSON  HEAT 4  BRADFORD COOPER  WERMER LAMPE RALPH HUTTON  WLADYSLAW WOJTAKAJTIS ALFREDO CARLOS MACHADO  ARNALDO CINQUETTI	1:24,44W  1:52,76     26,66   54,93     1:24,28   1:53,73     26,82   55,73     26,82   55,73     1:25,27   1:53,99     26,97   56,07     1:25,23   1:54,40     27,48   56,91     1:26,13   1:54,96     26,74   55,50     1:25,55   1:55,65     26,21   56,16     26,21   56,16     26,21   56,16     26,21   56,16     26,21   56,16     26,21   57,28     1:26,96   1:57,26     1:27,65   1:57,26     1:27,65   1:57,26     1:27,65   1:57,26     27,26   1:27,26     27,26   1:27,26     28,27   24,27     28,28   24,28     28,28     28,28   24,28     28,28   24,28     28,28	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY AND REFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06,36 4:10.70 7:22,26 8:25,96 11:37,94 12:42.10  GRAHAM WINDEATT A'LIA 3:08,35 4:11.37 7:21,96 8:25,01 11:37,11 12:42.66  DOUGLAS NORTHWAY USA 3:09,36 4:13.35 7:25,61 8:30.05 7:25,61 8:30.05	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANIA 17:49.80  USA 16:15.30 N.ZEALAND 16:23.36 W.GERRANY16:44.59 ITALY 17:13.42 COLOMBIA 17:63.36 PHILIP INE 17:37.65 A'LIA 16:11.41 SWEDEN 16:26.67 A'LIA 16:11.41 SWEDEN 16:25.50 KOREA 17:29.23 USA 16:17.37.65 E.GERRANY16:55.30 KOREA 17:29.23 USSS 17:32.88 AEGYPT 17:40.37 G.BRIT 17:42.83 IRELAND 18:09.28 IRELAND 18:09.28 USA 16:17.61 HOLLAND 16:34.77 G.BRIT 17:42.83 IRELAND 18:09.29 USA 16:17.61 HOLLAND 17:33.47 W. 17:28.39 INCLUMENT 17:43.97  L:00.2R 2:03.22 5:14.48 6:18.19 9:29.96 10:33.81 13:45.82 14:49.57 W. 15:52.58 1:01.44 2:04.99 5:15.48 6:18.95 9:28.46 10:32.19 9:28.46 10:32.19 9:28.46 10:32.19 9:34.47.96 14:53.59 15:58.48 1:01.31 2:05.52 5:17.00 6:21.19 9:34.04 10:39.95 13:59.43 15:05.56	HEAT 4
JERRY HEIDEMREICH	MARK SPITZ USA  STEVEN GENTER USA  WERNER LAMPE W.GERM  MICHAEL WENDEN A'LIA  FREDERICK TYLER USA  KLAUS STEINBACH W.GERM.  VLADIMIR BURE USSR  RALPH HUTTON CANADA  400 METER FREEST  HEAT I  GUNNAR LARSSON TON VAN KLOOSTER GUILLEAMO GARCIA ALAIN CHARMEY  BRUCE ROBERTSON NEIL OEXTER  KAMEL KENAMY ALY MOSTAFA  HEAT 2  BENGT GINGSJOE HANS JOACHIN FASSNACHT UDO POSER PETER ROSENKRANZ TOMAS BECERRA  DAE IMLANI DIMITRIOS THEODOROPOULOS  STEVEN GENTER  ANDERS BELLBRING ALEXANDR SAMSONOV  WOLFRAM SPERLING SVERRE KILE JOSE LUIS PRADO FRIDRIX GUDHUNDSSON  HEAT 4  WERNER LAMPE RALPH HUTTON  WLADYSLAW MOJTAKAJTIS ALFREDO CARLOS MACKADO  MLADYSLAW MOJTAKAJTIS ALFREDO CARLOS MACKADO	1:24,44W   1:52,78     26,66   54,93     1:24,28   1:53,73     26,82   55,73     26,82   55,73     1:25,27   1:53,99     26,97   56,07     1:25,23   1:54,40     27,48   56,91     1:26,13   1:54,96     26,14   55,50     1:25,55   1:55,55     26,21   56,16     1:28,96   1:57,24     27,51   57,28     26,21   57,28     27,51   57,28     27,51   57,28     27,51   57,28     28,28   4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     4:08,98     5:08     4:08,98     5:08     4:08,98     5:08     4:08,98     5:08     5:08     6:08     7:08	HEAT 3 MICHAEL BURTON GRAHAM WHITE BRIAN BRINKLEY ALBERTO GARCIA JORGE JARAMILLO EUGEN ALMER  HEAT 4 DOUGLAS NORTHWAY AND REFERS DUSAN GROZAJ VINCENZO FINOCCHIARO TOMAS BECERRA ALFREDO CARLOS MACHADO GUILLERNO PACHECO DAE IMLANI  HEAT 5 BRADFORD COOPER BENGT GINGSJOE KLAUS DOCKHORN OH-RYUN CHO OH-RYUN CHO ALEXANOR SAMSONOV KAMEL KENAMY ALY MOSTAF. NEIL DEXTER BRIAN CLIFFORD  HEAT 6 RICK OEMONT TON VAN KLOOSTER AXEL FREUDENBERG ZOLTAN VERRASZTO WLADYSLAW WOJTAKAJTIS CHRISTOPH KREIENBUHL CSABA SOS  FINALS MICHAEL BURTON USA 3:06,36 4:10.70 7:22,26 8:25,86 11:37,94 12:42.10  GRAHAM WINDEATT A'LIA 3:08,35 4:11.37 7:21,96 8:25,01 11:37,11 12:42.66  DOUGLAS NORTHWAY USA 3:09,36 4:13.35 7:25,61 8:30.05 7:25,61 8:30.05	USA 16:09.56 AUSTRALIA 16:19.63 G.BRIT. 16:54.39 MEXICO 17:05.68 COLOMBIA 17:35.84 ROMANNA 17:49.85 USA 16:15.30 N.ZEALAND 16:23.85 W.GERHANY16:44.59 ITALY 17:13.42 COLOMBIA 17:10.38 BRAZIL 17:20.34 PERU 17:36.36 PHILIPINE 17:37.65  A*LIA 16:11.41 SWEDEN 16:26.67 E.GERHANY16:55.30 KOREA 17:29.23 USSA 16:17.42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 18:34.77 E. GERH 17:42.83 IRELAND 18:09.28  USA 16:17.61 HOLLAND 17:23.47 SWITZEER.17:27.67 HUNGARY 17:43.97  1:00.28 2:03.22 5:14.48 6:18.19 9:29.96 10:33.81 13:45.82 14:49.57 W.15:52.56 1:01.44 2:04.89 5:15.48 6:18.95 9:29.46 10:32.19 13:47.96 14:53.59 13:47.96 14:53.59 13:47.96 14:53.59 13:47.96 14:53.59 13:47.96 14:53.59 13:47.96 14:53.59 13:47.96 16:38.59 13:47.96 16:38.59 13:47.96 16:55.52 5:17.00 6:21.19 9:34.84 10:39.95	HEAT 4

200 METER BACKSTROKE	HEAT 6	100 METER BUTTERFLY	JOHN MILLS G.BRITAIN 2:02.11
HEAT I	WALTER KUSCH . W.GERMANY 1:06.95	HEAT I	BRIAN BRINKLEY G.BRITAIN 2:06.58
ZOLTAN VERRASZTO HUNG 2:09.89 COLIN CUNNINGHAM G.BRIT. 2:11.06	VIKTOR STULIKOV USSR 1:08.18 MICHAEL GUENTHER W.GERMANY 1:08.93	DAVID EDGAR USA 57.30 ROGER PYTTEL E.GERMANY 57.98	BYRON MACDONALD CANADA 2:12.12 GAETANO CARBONI ITALY 2:12.16
WILLIAM KENNEDY CANADA 2:12.55	ARMANDO OSVALDO BORETTO ARGENTINA 1:09.64	PETER REMMEL W.GERMANY 58.97	TUNG-HSIUNG HSU CHINA 2:16.35
RAFAEL ROCHA MEXICO 2:15.81 IAN MACKENZIE CAMADA 2:16.36	JANOS TOTH HJNGARY 1:10.02 ANGHEL TCHAKAROV BULGARIA 1:10.34	ANDRZEJ CHUDZINSK: POLAND 1:00.22 ALAIN MOSCON: FRANCE 1:00.23	CARLOS SINGSON EROSAS PHILIPPINE2:23.70
SERGIO HASBUN EL SALV. 2:27.93	PAUL NAISBY G.BRITAIN 1:11.05	SALVADOR VILANOVA EL SALV. 1:01.25	FINALS
MARK ANTHONY CROCKER HONGKONG 2:33.64	GUDJON GUDMUNDSSON   CELAND   1:11.11	MARTIN EDWARDS G.BRITAIN 1:01.29 BRUND BASSOUL LIBYA 1:05.45	MARK SPITZ USA 27.12 57.79 1:28.90 W2:00.70
HEAT 2	FINALS		GARY HALL USA 28.57 59.10
MIKE STAMM USA 2:07.51 NEIL MARTIN AUSTRALIA 2:12.09	NOBUTAKA TAGUCHI JAPAN 31.38 WI:04.94 TOM BRUCE USA 30.66 I:05.43	HEAT 2 BRUCE ROBERTSON CANADA 56.45	1:30.57 2:02.86 ROBIN BACKHAUS USA 27.93 58.52
MILOS NENAD YUGO 2:12.99	JOHN HENCKEN USA 30.74 1:05.61	ISTVAN SZENTIRMAY HUNGARY 58.07	1:30,33 2:03.23
LUTZ WANJA E.GERMANY 2:13.46 VAN SARUN CAMBODIA 2:24.42	MARK CHATFIELD USA 30.81 1:06.01 WALTER KUSCH W.GER 31.46 1:06.23	SERGIO WAISMANN BRAZIL 58.37 YASUHIRO KOMAZAKI JAPAN 59.71	JORGE DELGADO ECUADR 28.17 59.67 1:31.86 *2:04.60
CHIANG JIN-CHOON MALAYSIA 2:26.51	JOSE SYLVIO FIOLO BRAZIL 31.03 1:06.24	HUGO VALENCIA MEXICO 1:00-14	HANS FASSNACHT W.GER. 28.51 1:00.11
HEAT 3	Nikolai Pankin USSR 31.27 1:06.36 Oavid Wilkie G.Brit 31.02 1:06.52	FERIDUN AYBARS TURKEY 1:04.46 NHEM CHHAY-KHENG CAMBODIA 1:05.12	1:32.18 2:04.69 ANDRAS HARGITAY HUNG. 28.29 59.58
BRADFORD COOPER AUSTRALIA 2:07.90		RONNIE MAN CHUI WONG HONG KONG 1:07.50	· 1:32.52 *2:04.69
Tim McKee USA 2:08.19 Massimo Nistri Italy 2:12.85	SEMI-FINAL 2 NOBUTAKA TAGUCHI JAPAN WI:05.13	HEAT 3	HARTMUT FLOECKNER E.GERM 27.9B 59.70 1:32.76 *2:05.34
JOSE URUETA MEXICO 2:13.85	WALTER KUSCH W.GERMANY 1:05.78	ROLAND MATTHES E.GERMANY 57.16	FOLKERT MEEUW W.GERM 28.79 1:00.56
LARS BORGESEN OENMARK 2:14.50 ROMULO ARANTES JR. BRAZIL 2:18.15	Nikolai Pankin USSR 1:06.08 Mark Chaffield USA 1:06.08	NEIL ROSERS AUSTRALIA 57.40 JOHN MILLS G.BRITAIN 58.28	1:33.09 2:05.57
GERARDO ROSARIO PHILIPINES2:23.53	DAVID WILKIE G.BRITAIN 1:06.25	VIKTOR SHARYGIN, USSR 58.40	200 METER INDIVIOUAL MEDLEY
HEAT 4	VIKTOR STULIKOV USSR 1:06.66 VLADIMIR KOSINSKIY USSR 1:07.08	ARTURO LANG LENTON SPAIN 59.22 GEORGI KULIKOV USSR 59.28	HEAT I WOLFRAM SPERLING E.GERM. 2:12.87
MITCHELL IVEY USA 2:09.32	ROGER MENU FRANCE 1:07.75	DIMITRIOS KARDIS GREECE 1:00.06	THOMAS ARETZ W.GERM. 2:13.19
JEAN-PAUL BERJEAUD FRANCE 2:09.93 BOB SCHOUTSEN HOLLAND 2:10.56	SEMI-FINAL I	Roy Kum Wan Chan Singapore 1:02.24	BERTRAM TUERPE E.GERM. 2:16.54 TUNG-HSIUNG HSU CHINA 2:18.34
TADASHI HONDA JAPAN 2:11.11	JOHN HENCKEN USA W 1:05.68	HEAT 4	JOSE JOAQUIN SANTIBANEZ MEXICO 2:19.47
ROBERT RUDOLF HUNGARY 2:13.64 JOHN HAWES CANADA 2:15.34	JOSE SYLVIO FIOLO BRAZIL 1:05.99 TOM BRUCE USA 1:06.05	JERRY HEIDENREICH USA 56.86 LUTZ STOKLASA W.GERMANY 57.50	AMIN AHMED ADEL YOUSSEF EGYPT 2:24.61
NORBERT VERWEYEN W.GERMANY 2:15.94	KLAUS KATZUR E.GERMANY 1:06.82	ROBERT KASTING CANADA 57.65	HEAT 2
MILOS PREDRAG YUGOSLAVIA2:18.43	WILLIAM MAHONY CANADA 1:07.06 BERNARD COMBET FRANCE 1:07.76	GEOFFREY FERREIRA TRINIDAD 58.26  JACQUES LELOUP BELGIUM 58.77	ANORAS HARGITAY HUNGARY 2:10.88 BRUCE FEATHERSTON AUSTRALIA 2:15.18
HEAT 5	ROBERT STODDART CANADA 1:08.61	VLADIMIR KRIVZOV USSR 59.83	CLAYTON EVANS CANADA 2:15.19
ROLAND MATTHES E.GERMANY 2:06.62 LOTHAR NOACK E.GERMANY 2:08.80	RAINER HRADETZKY E.GERMANY 1:09.49	CARLOS SINGSON BROSAS PHILIPPINESI:02.11	Oavid Brumwell Canada 2:16.84 Gudmundur Gislason Iceland 2:20.00
Anders Sandberg Sweden 2:11.36	200 METER BREASTSTROKE	HEAT 5	JAMES FINDLAY AUSTRALIA 2:20.08
EJVIND PEDERSEN DENMARK 2:12.30 HELMUT PODOLAN AUSTRIA 2:13.63	HEAT I  KLAUS KATZUR E.GERMANY 2:26.32	MARK SPITZ USA 56.45 HARTMUT FLOECKNER E.GERMANY 57.41	RONNIE MAN CHUI WONG HONGKONG 2:34.82
PIERRE BAEHR FRANCE 2:14.65	KLAUS KATZUR E.GERMANY 2:26.32 WILLIAM MAHONY CANADA 2:26.71	JUAN BELLO PERU 57.54	. HEAT 3
BRUCE FEATHERSTON AUSTRALIA 2:18.63 GUSTAVO OSCAR GONZALEZ ARGENTINA 2:19.74	ROGER MENU FRANCE 2:30.05 GUDJON GUDMUNDSSON ICELAND 2:32.40	BYRON MACDONALD CANADA 57.56 HANS LAMPE W.GERMANY 59.00	GUNNAR LARSSON SWEDEN 2:09.70 KLAUS STEINBACH W.GERMANY 2:13.84
GUSTATO GSCAN GONZAEZZ ANGENTIAN ETTOTT	GUDJON GUDMUNDSSON ICELAND 2:32.40 YI SOKHON CAMBODIA 2:34.77	SEAN MAHER W.GERMANY 59.50	Oouglas Jamison Canada 2:17.71
FINAL ROLAND MATTHES E.GERM. 28.85 59.96	JANOS TOTH HUNGARY 2:37,40	VASSIL DOBREY BULGARIA 1:00.07 ALEKSANDAR PAYLICEVIC YUGOSLAVIA1:00.29	ANTONIO ROCHA AZEVEDO BRAZIL 2:19.41 MARIAN SLAVIC ROMANIA 2:19.98
1:30.96 2:02.62	HEAT 2		ROY KUM WAH CHAN SINGAPORE 2:24.43
MIKE STAMM USA 28.68 1:00.05 1:32.02 2:04.09	NOBUTAKA TAGUCHI JAPAN 2:23.45 FELIPE MUNOZ MEXICO 2:25.99	SEMI-FINAL   ROLAND MATTHES E.GERMANY 56.51	HEAT 4
MITCHELL IVEY USA 28.29 59.34	PEDRO BALCELLS SOAIN 2:29.29	BRUCE ROBERTSON CANADA 56.86	TIM MCKEE USA 2:10.44
1:31.41 2:04.33 BRADFORD COOPER A'LIA 29.98 1:02.65	ROBERT STODDART CANADA 2:30.08 CEZARY SMIGLAK POLAND 2:34.51	BYRON MACDONALD CANADA 57.06 Neil Rogers Australia 57.28	JUAN BELLO PERU 2:11.70 DAVID WILKIE G.BRITAIN 2:13.25
1:34.91 2:06.59	NORKAL FARUK TURKEY 2:43.69	ROGER PYTTEL E.GERMANY 57.69	JOHN McConnochie N.Zealand 2:15.04
TIM MCKEE USA 29.38 1:01.98 1:34.96 2:07.29	PIERO FERRACUTI EL SALV. 2:45.73	SERGIO WAISMANN BRAZIL 58.07 LUTZ STOKLASA W.GERMANY 58.33	ANDREAS WEBER W.GERMANY 2:16.17 NEIL MARTIN AUSTRALIA 2:16.24
LOTHAR NOACK E.GER 29.42 1:02.48	HEAT 3	GEOFFREY FERREIRA TRINIDAD 58.54	FRANCOIS VAN KRUISDIJK HOLLAND 2:17.14
I:36.09 2:08.67 ZOLTAN VERRASZTO HUNG 29.57 1:02.55	DAVID WILKIE G.BRITAIN 2:24.54 WALTER KUSCH W.GERMANY 2:26.43	SEMI-FINAL 2	HEAT 5
1:35.94 2:10.09	STEFFEN KRIECHBAUM AUSTRIA 2:30.09	MARK SPITS USA 55.98	STEVEN FURNISS USA 2:09.97
JEAN-PAUL BERJEAUD FRA 30.01 1:03.47 1:37.86 2:11.77	MALCOLM O'CONNELL G.BRITAIN 2:31.21  JEAN PIERRE OUBEY SWITZERLND2:31.56	JERRY HEIDENREICH USA 56.18 DAVID EDGAR USA 56.88	HANS LJUNGBERG SWEDEN 2:12.46 VALENTIN PARTYKA USSR 2:13.24
	GUSTAVO SALCEDO MEXICO 2:32.81	HARTMUT FLOECKNER E.GERMANY 56.96	RICARDO MARMOLEJO MEXICO 2:15.82
100 METER BREASTSTROKE HEAT I	HEAT 4	JUAN BELLO PERU 57.51 ROBERT KASTING CANADA 57.67	ZBIGNIEW PACELT POLAND 2:17.35 BRUNO BASSOUL LIBYA 2:27.78
MARK CHATFIELD USA 1:05.89	RICK COLELLA USA 2:25.40	JOHN MILLS G.BRITAIN 58.13	CHIANG JIN-CHOON MALAYSIA 2:32.67
WILLIAM MAHONY CANADA 1:07-14 BERNARD COMBET FRANCE 1:08-08	VLADIMIR KOSINSKIY USSR 2:28.00 ANGHEL TCHAKAROV BULGARIA 2:30.27	ISTVAN SZENTIRMAY HUNGARY 58.25	HEAT 6
PAUL JARVIE AUSTRALIA 1:09,25	ANDREAS HELLMANN W.GERM. 2:32.60	FINALS	GARY HALL USA 2:09.85
YI SOKHON CAMBODIA 1:11.00 EDMONDO MINGIONE ITALY 1:11.75	LIAM BALL RELAND 2:33.47 NIGEL JOHNSON G.BRIT. 2:34.37	MARK SPITZ USA 25.38 W54.27 BRUCE ROBERTSON CAN 26.53 55.56	Mihail Suharev USSR 2:11.91 Christian Lietzmann, E.Gérmany 2:13.42
MORKAL FARUK TURKEY 1:13.86	KARL CHR KOCH DENMARK 2:38.47	JERRY HEIDENREICH USA 26.02 55.74	JIRO SASAKI JAPAN 2:16.56
HEAT 2	HEAT 5	ROLAND MATTHES E.GERM 25.38 55.87 DAVID EDGAR USA 25.71 56.11	JAIRULLA JAITULLA PHILIPPINE2:17.23 LORENZO MARUGO ITALY 2:19.00
NIKOLAI PANKIN USSR 1:07.31	IGOR CHERDAKOV USSR 2:26.21	BYRON MACOCNALD CAN 26.95 57.27	
ROBERT STODDART CANADA 1:08.44 MALCOLM O'CONNELL G.BRIT. 1:09.33	BRIAN JOB USA 2:26.91 JOSE SYLVIO FIOLO BRAZIL 2:30.21	HARTMUT FLOECKNER E.GERM. 27.07 57.40 NEIL ROSERS A'LIA 26.72 57.90	Finals Gunnar Larsson Sweden 28.00 1:01.07
SANDOR SZABO HUNGARY 1:09.68	RAINER HRADETZKY E.GERMANY 2:32.48		1:38.07 W2:07.17
GUSTAVO SALCEDO MEXICO 1:10.17 JEAN PIERRE DUBEY SWITZ. 1:10.31	AMMAN JALMAANI PHILIPPINE2:33.54 Michele DiPietro Italy 2:36.49	200 METER BUTTERFLY HEAT I	TIM MCKEE USA 28.43 1:00.07 1:38.39 2:08.37
CEZARY SMIGLAK POLAND 1:10.53		GARY HALL USA 2:03.70	STEVEN FURNISS USA 27.48 59.39
HEAT 3	HEAT 6  JOHN HENCKEN USA 2:24.88	ANDRAS HARGITAY HUNGARY 2:05.05 ROGER PYTTEL E.GERMANY 2:08.72	I:38.79 2:08.45 GARY HALL USA 26.96 57.99
DAVID WILKIE G.BRITAIN 1:06.35	NIKOLAI PANKIN USSR 2:26.71	SEAN MAHER G.BRITAIN 2:09.39	1:38.32 2:08.49 Andras Hargitay Hung. 27.72 1:01.33
TOM BRUCE USA 1:06,45 KLAUS KATZUR E.GERMANY 1:07,36	PAUL JARVIE AUSTRALIA 2:27.83 Michael Whittaker Canada 2:33.47	JORGE JARAMILLO COLOMBIA 2:10.24 WALTER MACK W.GERMANY 2:11.03	Andras Hargitay Hung. 27.72 1:01.33 1:39.50 2:09.66
VLADIMIR KOSINSKIY USSR 1:07.39	RUDI VINGHERHOETS BELGIUM 2:36.89	VASSIL DOBREV BULGARIA 2:11.28	Mihail Suharev USSR 28.38 1:01.39 1:40.12 2:11.78
Amman Jalmaani Philipinesi:09.28 Steffen Kriechbaum Austria 1:09.87	GREGOR BETZ W.GERMANY 2:36.96 ALFREDO HUNGER PERU 2:37.20	HEAT 2	Juan Bello Peru 27.63 1:01.05
BRUNO BASSOUL LIBYA 1:19.94	ALEJANDRO CABRERA EL SALV. 2:56.60	ROSIN BACKHAUS USA 2:03.11	1:39.92 2:11.97 HANS LJUNGBERG SWEDEN 28.45 1:02.39
HEAT 4	FINALS	FOLKERT MEEUW W.GERMANY 2:06.13 YASUHERO KOMAZAKI JAPAN 2:08.72	1:42.58 2:13.56
NOBUTAKA TAGUCHI JAPAN 1:06.07	JOHN HENCKEN USA 31.55 1:08.34	HUGO VALENCIA MEXICO 2:09.56	400 METER INDIVIDUAL MEDLEY
JOSE SYLVIO FIOLO BRAZIL 1:06.23 RAINER HRADETZKY E.GERMANY 1:08.67	1:45.35 W2:21.55 DAVID WILKIE G.BRIT. 33.45 1:11.37	Andrzej Chudzinski Poland 2:12.62 Geoffrey Ferreira Trinidad 2:19.76	HEAT I
LIAM BALL RELAND 1:09.68	1:47.41 2:23.67		ANDRAS HARGITAY HUNGARY 4:37.51 CHRISTIAN LIETZMANN E.GERMANY 4:44.47
Andreas Hellmann W.Germany 1:10.13 Karl Koch - Denmark 1:11.27	1:47.61 2:23.88	HEAT 3 HANS JOACHIM FASSNACHT W.GERMANY 2:05.39	ROGER VAN HAMBURG HOLLAND 4:50.70
PIERO FERRACUTI EL SALVADORI:16.74	RICK COLELLA USA 33.49 1:10.31 1:47.17 2:24.28	JORGE DELGADO ECUADOR 2:05.61	JOSE LUIS PRADO MEXICO 4:54.49 BARRY PRIME G.BRITAIN 4:57.77
HEAT 5	FELIPE MUNOZ MEXICO 34.09 1:11.72	JAMES FINOLAY AUSTRALIA 2:08,36	JAIRULLA JAITULLA PHILLIPINE5:05.48
JOHN HENCKEN USA 1:05.96 ROGER MENU FRANCE 1:08.63	1:49.73 2:26.44	RONALD JACKS CANADA 2:09.04 RICARDO MARMALEJO MEXICO 2:10.00	HEAT 2
MICHAEL WHITTAKER CANADA 1:08.86	Walter Kusch W.Germany 33.65 1:11.41 1:49.41 2:26.55	Jacques Leloup Belgium 2:10.79	Gunnar Larsson Sweden 4:34.99
FELIPE MUNOZ MEXICO 1:08.95	IGOR CHERDAKOV USSR 33.23 1:10.38	ROY KUM WAH CHAN SINGAPORE 2:20.30	JOHN McConnochie N.Zealand 4:49.89
PEDRO BALCELLS SPAIN 1:09.37 ALFREDO HUNGER PERU 1:11.44	IGOR CHERDAKOV USSR   33.23   1:10.38   1:48.49   2:27.15	ROY KUM WAH CHAN SINGAPORE 2:20.30 HEAT 4	JOHN MCCONNOCHIE N.ZEALAND 4:49.89 VALENTIN PARTYKA USSR 4:50.03 OAVID BRUNWELL CANADA 4:52.41
PEDRO BALCELLS SPAIN 1:09.37	IGOR CHERDAKOV USSR 33.23 1:10.38 1:48.49 2:27.15	Roy Kum Wan Chan Singapore 2:20.30	JOHN McConnochie N.Zealand 4:49.89 VALENTIN PARTYKA USSR 4:50.03

HEAT 3	BRAZIL (MACHADO 2:01,20; Aquino Oliveira	GR.BRITAIN (CUNNINGHAM C.1:01.02; WILKIE	HEAT 2
STEVEN FURNISS USA 4:39.33	2:02.06; ZANETTI 2:05.05; OINIS ARANHA	0.1:06.27; Mills J.57.53; WINDEATT M.	ANKE RIJHDERS HOLLAND 2:09.09
Ricardo Marmolejo Mexico 4:45.20 Bertram Tuerpe E.Germany 4:46.55	2:08.80) 8:17.91 PHILIPINNES (IMLANI 2:06.23;BORJA 2:14.31;	53.98) 3:58.82 Hungary (Cseh L.1:00.54; Szabo S.1:06.99;	HELEN GRAY AUSTRALIA 2:12.76 NADEJDA MATIUHINA USSR 2:13.60
NEIL MARTIN AUSTRALIA 4:49.85	BROSAS2:15.92; JAIRULLA2:07.54) 8:44.01	SZENTIRMAY 1. 58.02; CSASZARI A. 53.50)	Francoise Monoo SwitzerLnd2:15.30
CSABA SOS HUNGARY 4:52.89	HEAT 2	3:59.07	OLGA LUCIA DEANGULO COLOMBIA - 2:17.34 SILVIA ELIZABETH BORGINIARGENTINA 2:23.11
SVERRE KILE NORWAY 4:59.72 GUDMUNDOR GISLASON ICELAND 5:03.54	USA (CONNELLY 1:54.11; McBreen 1:57.34;	WOMEN	
	BURTON: 57.73; KINSELLA 1:57.23) 7:46.42 E.GERMANY (HARTUNG 1:57.75; POSER 1:57.39;	100 METER FREESTYLE	HEAT 3 KEENA ROTHHAMMER USA 2:07.48
HEAT 4 TIM MCKEE USA 4:40.78	PYTTEL 1:58.32; UNGER 1:57.64) 7:51.11	HEAT I	HANSJE BUNSCHOTEN HOLLAND 2:08.58
GRAHAM WINDEATT AUSTRALIA 4:42.16	USSR (ABOIMOV 1:58.92; SAMSONOV 1:57.83;	GABRIELE WETZKO E.GERMANY 1:00.40 TATIANA ZOLOTNICKAIA USSR 1:01.24	TATIANA ZOLOTNICKAIA USSR 2:13.12 ELENA TIMOSHENKO USSR 2:14.06
MIHAIL SUHAREV USSR 4:43.13 HANS JOACHIM GEISLER W.GERMANY 4:48.57	MAZANOV 1:56.93;KULIKOV1:57.74) 7:51.44 W.GERMANY (FASSNACHT 1:57.70; SCHILLER	CLAUDE MANDONNAUD FRANCE 1:01.34	DIANA SUTHERLAND G.ERITAIN 2:16.00
MAURO CALLIGARIS   TALY 4:52.02	1:58.12; MEEUW 1:58.46; VOSSELER	GUYLAINE BERGER FRANCE 1:01.54 TUROCZI JUDIT KORACHNE HUNGARY 1:01.57	ILEANA MORALES VENEZUELA 2:18.84
Michael Holthaus W.Germany 4:58.19	1:59.69) 7:53.98 Sweden (Ljungberg 2:00.39;Gingsjoel:57.46;	Sharon Booth, Australia 1:02.07	HEAT 4
HEAT 5	BELLBRING1:59.06; LARSSON2:00.62)7:57.54	KIRSTEN CAMPBELL DENMARK 1:03,83	SHANE GOULD AUSTRALIA 2:07.95
BENGT GINGSJOE SWEDEN 4:38.05	France (Caland 1:59.91; Copin 2:03.16; Moine 2:01.45; Rousseau 1:56.26) 8:00.79	SUSANA SAXLUND URUGUAY 1:04.91	DEBORAH PALMER AUSTRALIA 2:10.29 UTA SCHUETZ W.GERMANY 2:12.84
GARY HALL USA 4:38.95 WOLFRAM SPERLING E.GERMANY 4:42.75	ITALY (PANGARO 2:00.31; CINQUETTI 2:D1.39;	HEAT 2	MARY SETH RONDEAU CANADA 2:13.52
JORGE DELGADO ECUADOR 4:45.25	MARUGO 2:01.81;TARGETTI 2:00.46)8:03.98	ENITH BRIGITHA HOLLAND 1:00.02 ANKE RIJNDERS HOLLAND 1:00.76	SUSAN EDMONDSON G.ERITAIN 2:13.54 LUCY MAURITY BURLE BRAZIL 2:18.57
BRUCE FEATHERSTON AUSTRALIA 4:47.33 ZBIGNIEW PACELT POLAND 4:55.38	FINALS	JUDY ₩RIGHT CANADA 1:01.97	MARCIA ARRIAGA MEXICO 2:18.93
	USA (KINSELLA 55.51,1:54.49; TYLER 55.04	CHANTAL SCHERTZ FRANCE 1:02.82 EDIT KOVACS HUNGARY 1:03.00	HEAT 5
Finals Gunnar Larsson Swe 1:03.41 2:14.07	1:54.32; GENTER 54.18 1:52.72; SPITZ 54.55 1:54.24) W 7:35.78	LUCY MAURITY BURLE BRAZIL 1:03.12	ANDREA ÉIFE E.GERMANY 2:07.05
3:32.17 4:31.98	W.GERMANY (STEINBACH 55.80 1:54.62; LAMPE	MARCIA A:RIAGA MEXICO I:03.66	SHIRLEY BABASHOFF USA 2:08.48
TEM MCKEE USA 1:02.06 2:10.66 3:29.91 4:31.98	54.42 1:53.49; VOSSELER 56.95 1:57.45; FASSNACHT 56.08 1:56.11) 7:41.69	ILEANA MORALES VENEZUELA 1:04.13	SUDRUN WEGNER E.GERMANY 2:09.49 ANGELA STEINBACH W.GERMANY 2:10.59
Andras Hargitay Hung 1:00.22 2:10.80	USSR (GRIVENNIKOV 55.40 1:56.24; MAZANOV	HEAT 3	LESLEY ALLARDICE G.BRITAIN 2:13.43
3:31.62 4:32.70	56.75 1:57.28; KULIKOV 56.48 1:56.92; BURE 55.45 1:55.30) 7:45.76	MAGDOLNA PATOH HUNGARY 59.47 SANDRA NEILSON USA 59.51	ROSELINA ANGEL COLOMBIA 2:18.62 YUE-YUN HSU CHINA 2:20.17
Steven Furniss USA 1:00.78 2:10.09 3:32.88 4:35.44	Sweden (Gingsjoe 57.09 1:56.88; Ljungberg	HANSJE BUNSCHOTEN HOLLAND 1:00.82	
GARY HALL USA 58.38 2:06.32	57.08 1:59.18; BELLBRING 56.47 1:57.45;	EVA ANDERSSON SWEDEN 1:01.88 SUSAN EDMONDSON G.BRITAIN 1:02.29	FINALS SHANE GOULD A'LIA 29.23 1:00.04
3:31.04 4:37.38 8ENGT GINGSJDE SWE 1:01.05 2:11.15	LARSSON 55.19 1:53.84) 7:47.37 AUSTRALIA (WENDEN 54.68 1:56.41; WINDEATT	FRANCOISE MONOD SWITZERLND1:02.43	1:32.29*WC2:03.56
3:36.11 4:37.96	56.63 1:57.03; NAY 57.39 1:57.68; COOPER	HEATHER COOMBRIDGE N.ZEALAND 1:02.95 YUE-YUN HSU CHINA 1:04.77	SHIRLEY BABASHOFF USA 29.69 1:01.44
GRAHAM WINDEATT A*LIA 1:03.70 2:15.87 3:38.76 4:40.39	56.17 1:57.54) 7:48.66 E.GERMANY (HARTUNG 56.62 1:56.76; BRUCH	THE TOWN THE TRUTTER	1:33.30 A 2:04.33 KEENA ROTHHAMMER USA 30.03 1:01.41
WOLFRAM SPERLING E.GER 1:03.80 2:15.76	57.20 1:58.88; Poser 57.13 1:56.84;	HEAT 4 SHIRLEY BABASHOFF USA 59.51	1:33.29 2:04.92
3:36.38 4:40.66	UNGER 56.10 1:56.61) 7:49.11 CANADA (ROBERTSON 57.75 1:57.55; PHILLIPS	SHIRLEY BABASHOFF USA 59.51 WENDY COOK CANADA 1:01.20	ANN MARSHALL USA 29.90 1:01.45 1:33.94 2:05.45
4x100 METER FREESTYLE RELAY	57.84 2:00.46; MACKENZIE 56.09 1:57.42;	MARY BETH RONDEAU CANADA 1:01.46	AND REA EIFE E.GER 29.92 1:01.75
HEAT I USSR (BURE 53.00; MAZANOV 52.88; ABD IMOV	HUTTON 57.22 1:58.17) 7:53.61	LEANNE FRANCIS AUSTRALIA 1:01.90 LESLEY ALLARDICE G.8RITAIN 1:02.07	1:34.98 *E2:06.27 HANSJE BUNSCHOTEN HOLL. 29.90 1:02.29
52.84; Kulikov 54.00) 3:32.73	4x100 METER MEDLEY RELAY	INGER ANDERSSON SWEDEN 1:03.40	1:35.18 •2:08.40
France (Vigne 54.63; Mosconi 54.52; Her- mitte 53.69; Rousseau 52.98) 3:35.84	HEAT ! USSR (GRIVENNIKOV 1:00.82; STULIKOV	DIANE WALKER G.BRITAIN 1:04.44	ANKE RIJNDERS HOLL. 29.71 1:02.34 1:35.61 2:09.41
W.GERMANY (SCHILLER 54.59; JACOB 54.27;	1:05.92; SHARYGIN 57.03; ABOIMOV 52.79)	HEAT 5	KARIN TUELLING E.GER 29.76 1:02.88
Vosseler 53.82; Meier 54.90) 3:37.59	3:56.57 CANADA (KENNEDY 1:01.32; MAHONY 1:06.46;	JUTTA WEBER W.GERMANY 59.72 JENNIFER KEMP USA 1:00.42	1:36.64 2:11.70
Spain (Comas 54.88; Culebras 54.52; Melo 55.39; Pujol 53.97) 3:38.77	ROBERTSON 56.41; KASTING 52.84) 3:57.05	SYLVIA EICHNER E.GERMANY 1:00.64	400 METER FREESTYLE
ITALY (PANGARO 54.64; BARELLI 54.10;GUAR-	Hungary (Cseh 1:00.27; Szabo 1:07.20; Har-	ANGELA STEINBACH W.GERMANY 1:01.66 NADEJDA MATIHUNA USSR 1:02.14	HEAT I JENNY WYLIE USA 4:27,53
DUCCI 54.39; CASTAGNETTI 55.67) 3:38.81 HOLLAND (PRIJDEKKER 55.30; BERGSMA 54.41;	GITAY 58.78; SZENTIRMAY 53.60) 3:59.86 FRANCE (BERJEAU 1:01.27; MENU 1:08.11;	MARGRIT THOMET SWITZERLND1:02.33	ANKE RIJNDERS HOLLAND 4:29.94
VANHAMBURG 55.74; ELZERMAN 55.89 3:41.36	Mosconi 58.27; Rousseau 52.84) 4:00.50	LAURA PODESTA ITALY 1:02.88	KARIN TUELLING E.GERM 4:32.56
HEAT 2	Mexico (Santibanez 1:02.48;Munoz 1:08.05; Valencia59.25;Guillermo 55.83) 4:05.61	HEAT 6	FEDERICA STABILINI ITALY 4:36.32 MARIA TERESA RAMIREZ MEXICO 4:39.14
USA (FAIRBANK 52.61; CONELLY 51.69; HEIDEN-		SHANE GOULD AUSTRALIA 59.44	HELGA WAGNER W.GERMANY 4:47.61
REICH 51.89; EDGAR 52.63) EW 3:28.84	HEAT 2 E.GERMANY (MATTHES 58.08; KATZUR 1:06.44;	ANDREA EIFE E.GERMANY 59.73 HEIDEMARIE REINECK W.GERMANY 1:00.39	KIRSTEN KNUDSEN DENMARK 4:53.76
E.GERMANY (HARTUNG 54.03; BRUCH 53.49; Poser 54.31; Unger 53.29) 3:35.13	FLOECKNER 56.69; UNGER 54.00) 3:55.23	GRETHE MATHISEN NORWAY 1:01.47	HEAT 2
CANADA (PHILLIPS 54.64; ROBERTSON 53.63;	BRAZIL (ARANTES JR.1:02.21; FIOLO 1:05.81; WAISMANN57.33;DINIZ ARANHA 53.20)3:58.56	ELENA TIMOSHENKO USSR 1:01.68 Shigeko Kawanishi Japan 1:02.13	SHIRLEY BABASHOFF USA. 4:31.98 KAREN MORAS AUSTRALIA 4:36.14
Bach 54.17; Kasting 53.19) 3:35.64 Brazil (Aquino Oliveira 54.48; Zanetti	JAPAN (HONDA 1:00.23; TAGUCHI 1:04.90; KOMA-	KHRISKA PEITCHEVA BULGARIA 1:03.43	MARY BETH RONDEAU CANADA 4:36.71
53.82; BECSKEHAZY 54.69; DINIZ ARANHA	ZAKI 58.14; SASAKI 56.27) 3:59.55 W.GERMANY (WEBER 1:02.14;KUSCH 1:07.98;	Virginia Anchustegui Mexico 1:04.99	ANNE MARIE MCCAFFERY CANADA 4:39.92 ROSELINAANGEL COLOMBIA 4:45.97
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Singson Brosas 57.30; Jaitulla 57.16)	Spain (Melo 1:02,33; Balcells 1:09,30; Lang Lenton 58,52; Comas 53,56) 4:03,73	SHIRLEY BABASHOFF USA 59.05 MAGDOLNA PATOH HUNGARY 59.64	YUE-YUN HSU CHINA 4:58.57
3:47.39 EL SALVADOR (VILANOVA 55.85; PATINO 59.57;	PHILIPPINES (ROSARIO 1:06,24; JALMAANI	HEIDEMARIE REINECK W.GERMANY 59.66	HEAT 3
RENGIFO 57.72; FERRACUTI 55.98) 3:49.14	1:08.19; Singson Brosas 1:03.85; Ayesa 55.33) 4:13.62	ANDREA EIFE E.GERMANY 59.71	SHANE GOULD AUSTRALIA 4:28.46
		JENNIFER KEMP IISM 50.03	
FINALS	33.30) 4.13.02	JENNIFER KEMP USA 59.93 ANKE RIJNDERS HOLLAND 1:00.84	HANSJE BUNSCHOTEN HOLLAND 4:31.76 UTA SCHUETZ W.GERMANY 4:34.67
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH	. HEAT 3	ANKE RIJNDERS HOLLAND 1:00.84 WENDY COOK CANADA 1:01.26	HANSJE BUNSCHOTEN HOLLAND 4:31.76 UTA SCHUETZ W.GERMANY 4:34.67 NARELLE MORAS AUSTRALIA 4:37.57
	HEAT 3 USA (IVEY 58.72; HENCKEN 1:05.10; HALL 55.33; FAIRBANK 52.75) 3:51.98	ANKE R JANDERS HALLAND 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88	HANSJE BUNSCHOTEN HOLLAND 4:31.76 UTA SCHUETZ W.GERMANY 4:34.67 NARELLE MORAS AUSTRALIA 4:37.57 SUSAN EDMONDSON G.BRITAIN 4:39.10 ILEANA MORALES VENEZUELA 4:44.73
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITZ 50.90) W3:26.42 USSP (BURE 52.26; MAZANOV 53.13; ABOIMOV 52.75; GRIVENNIKOV 51.57) 3:29.72	HEAT 3 USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) GR.BRITAIN (CUNNINGHAM 1:01.16; WILKIE	ANKE RIJNDERS HOLLAND 1:00.84 WENDY COOK CAMADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88  SEMI-FINAL 2	HANSJE BUNSCHOTEN
USA (EDGAR 52.69;MURPHY 52.04;HEIDENREICH 50.78;SPITZ 50.90) W3:26.42 USS (BURE 52.26;MAZANOV 53.13;ABOIMOV	HEAT 3 USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98 GR.BRITAIN (GUNNINGHAM 1:01.16; WILKIE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97	ANKE RIJNDERS HOLLAND 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FINAL 2  SHANE GOULD AUSTRALIA 59.20 SANDRA NELISON USA 59.41	HANSLE BUNSCHOTEN UTA SCHUETZ UTA SCHUETZ W.GERHANY 4:34.67 MARELLE MORAS SUSAN EDMONDSON LIEANA MORALES UTANA SUTHERLAND G.BRITAIN 4:39.10 VENEZUELA 4:44.73 DIANA SUTHERLAND HEAT 4  HEAT 4
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITZ 50.90) USS" (BURE 52.26; MAZANOV 53.13; ABOIMOV 52.75; GRIVENNIKOV 51.57) E.GERMANY (MATTHES 52.69; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01) 3:32.42 BRAZIL (AQUINO CLIVEIRA 53.62; ZANETTI	HEAT 3 USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBARK 52.75) GR.BRITAIN (CUNNINGHAM 1:01.16; WILKIE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97 AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97;	ANKE RIJNOERS HOLLAND 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88  SEMIFFINAL 2 SHAME GOULD AUSTRALIA 59,20 SANDRA NEILSON USA 59,41 GABRIELE WETZKO E.GERMANY 59,46	HANSLE BUNSCHOTEN HOLLAND 4:31.76 UTA SCHUETZ W.GERHANY 4:34.67 NARELLE MORAS AUSTRALIA 4:37.57 SUSAN EDMOIDSON G.BRITAIN 4:39.10 ILEANA MORALES VERZUELA 4:44.73 DIAMA SUTHERLAND G.BRITAIN 4:47.666  HEAT 4 NOVELLA CALLIGARIS 1 TALY 4:24.14
USA (EBGAR 52.69; MURPHY 52.04; HEIDENBEICH 50.78; SPITZ 50.90) USS? (BUBE 52.26; MAZANOV 53.13; ABOIMOV 52.75; GRIVENNIKOV 51.57) EGERHANY (MATTHES 52.89; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01) BRAZIL (AQUINO CLIVEIRA 53.62; ZANETTI 53.61; GEOSKERAZY 53.73; DINIZ ARANHA	HEAT 3 USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98 GR.BRITAIN (GUNNINGHAM 1:01.16; WILKIE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97	ANKE R 1 JNDERS CANADA 1:00.84 WENDY COOK CANADA 1:01.86  CLAUDE MANDONNAUD FRANCE 1:01.88  SEMIFFIRAL 2 SHAME GOULD AUSTRALIA 59,20 GABRIELE WETZKO E.GERHANY 59,46 ENITH BRIGITHA HJLLAND 59,75 JJITA WEBER W.GERHANY 59,90	HANSLE BUNSCHOTEN UTA SCHUETZ W.GERHANY 4:34.67 NARELLE MORAS SUSAN EDMOIDSON ULEANA MORALES VENEZUELA 4:44.73 DIANA SUTHERLAND WEALA CALLIGARIS USA GERTIAN 4:24.14 NOVELLA CALLIGARIS USA GURUN WEGNER E.GERMANY 4:25.13
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITZ 50.90) USSY (BURE 52.26; MAZANOV 53.13; ABDIMOV 52.75; GRIVENNIKOV 51.57) 3:29.72 E.GERMANY (MATTHES 52.69; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01) 3:32.42 BRAZIL (AQUINO CLIVEIRA 53.62; ZANETTI 53.61; BECSKEHAZY 53.73; DINIZ ARANNA 52.17) CANADA (ROBERTSON 53.52; PHILLIPS 52.55;	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98  GR.BRITAIN (CUNNINGHAM 1:01.16; WILKIE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 56.19; WENDEN 52.22) 4:00.16  SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94) #36.67	ANKE R JANDERS HOLLAND 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88  SEMI-FINAL 2 SHANE GOULD AUSTRALIA 59,20 SANDRA NELLSON USA 59,41 GABRIELE WETZKO E.GERNAMY 59,46 ENITH BRIGITHA HOLLAND 59,75 JITTA WEBER M.GERHANY 59,90 STYLYIA ELICHNER E.GERHANY 1:00.73	HANSJE BUNSCHOTEN HOLLAND 4:31.76 UTA SCHUETZ W.GERMANY 4:34.67 NARELLE MORAS AUSTRALIA 4:37.57 SUSAN EDMOIDSON G.BRITAIN 4:39.10 ILEANA MORALES VENEZUELA 4:44.73 DIAMA SUTHERLAND G.BRITAIN 4:47.366  HEAT 4 NOVELLA CALLIGARIS KENA ROTHHAMMER USA 4:24.82 GUDRUN WESNER E.GERMANY 4:25.13 LUCIA DEAMGULO COLOMBIA 4:40.09
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITZ 50.90)  USS? (BURE 52.26; MAZANOV 53.13; ABDIMOV 52.75; GRIVENNIKOV 51.57)  3:29.72  E. GERMANY (MATTHES 52.89; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01)  3:32.42  BRAZIL (AQUINO OLIVEIRA 53.62; ZARETTI 53.61; BECSKEHAZY 53.73; DINIZ ARANNA 52.17)  CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70)  3:33.312	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBAUK 52.75)  GR.BRITAIN (CUNNINGHAH 1:01.16; WILKIE 1:06.15; MILLS 57.88; WINDEATT 55.77)  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 56.19; WENDEN 52.22)  4:00.16  SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94)4:06.67  POLAND (DLUCIK 1:01.95; SHELLK 1:10.88;	ANKE R 1 JNDERS CANADA 1:00.84 WENDY COOK CANADA 1:01.86  CLAUDE MANDONNAUD FRANCE 1:01.88  SEMIFFIRAL 2 SHAME GOULD AUSTRALIA 59,20 GABRIELE WETZKO E.GERHANY 59,46 ENITH BRIGITHA HJLLAND 59,75 JJITA WEBER W.GERHANY 59,90	HANSLE BUNSCHOTEN UTA SCHUETZ W.GERHANY 4:34.67 NARELLE MORAS ULEANA MORALES ULEANA MORALES WERTIAIN 4:39.10 VENEZUELA 4:44.73 DIANA SUTHERLAND  HEAT 4 NOVELLA CALLICARIS KEENA ROTHHAMMER GURDUN WEGNER E-GERMANY 4:25.13
USA (EBGAR 52.69; MURPHY 52.04; HEIDENBEICH 50.78; SPITZ 50.90)  USS? (BUBE 52.26; MAZANOV 53.13; ABOIMOV 52.75; GRIVENNIKOV 51.57)  BRUCH 53.20; UNGER 53.01)  BRUCH 53.20; UNGER 53.01)  3:32.42  BRAZIL (AQUINO CLIVEIRA 53.62; ZANETTI 53.61; BECSKEHAZY 53.73; DINIZ ARANHA 52.17)  CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70)  3:33.20  W.GERMANY (STEINBACH 53.45; LAMPE 52.81; JACOB 53.81; FASSANCHT 53.82)  3:33.90	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98  GR.BRITAIN (CUNNINGHAM 1:01.16; WILKIE 1:06.15; MILLIS 57.88; MINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; HOGERS 58.19; WENDEN 52.22) 4:00.16  SWEDEN (SANDBERG 1:00.65; LARSSON 1:09.23; LJUNOSERG 1:00.53; BELLBRING55.94) M:05.67  POLAND (OLUCIK 1:01.95; SM:6LLAK 1:10.88; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CAMBODIA (SARUN 1:07.51; SOKHON 1:08.54;	ANKE R JANDERS HOLLAND 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88  SEMI-FINAL 2 SHANE GOULD AUSTRALIA 59,20 SANDRA NELLSON USA 59,41 GABRIELE WETZKO E.GERNANY 59,46 ENITH BRIGITHA HOLLAND 59,75 JITA WEBER W.GERHANY 59,90 STYLVIA ELICHNER E.GERHANY 1:00.73 HANSJE BUNSCHOTEN HOLLAND 1:00.79 TATIANA ZOLOTNICKAIA USSR 1:01.12	HANSLE BUNSCHOTEN  LUTA SCHUEYZ  NARELLE MORAS  SUSAN EDMOIDSON  LIEANA MORALES  DIANA SUTHERLAND  MOVELLA CALLIGARIS  KEENA ROTHHAMMER  GUDRUN WEGNER  LUCIA DEAMGLOS  JAYNIE PARKHOUSE  JUNE GREEN  GREENE 4:50,81  TEALY  4:24,14  USA  4:24,14  USA  4:24,82  GUDRUN WEGNER  LOCALDHAM 4:40,24  JUNE GREEN  GREEGE 4:50,10
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITT 50.90) USS? (BUBE 52.26; MAZANOV 53.13; ABDIMOV 52.75; GRIVENNIKOV 51.57) 3:29.72 E. GERMANY (MATTHES 52.89; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01) 3:32.42 BRAZIL (AQUINO OLIVEIRA 53.62; ZARETTI 53.61; BECSKEHAZY 53.73; DINIZ ARANNA 52.17) CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 64.41; KASTING 52.70) 3:33.20 W. GERMANY (STEINBACH 53.45; LAMPE 52.81; JACOB 53.81; FASSNACHT 53.82) 3:33.90 FRANCE (VIGNE 54.47; MOSCONI 54.57; HERMITTE	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) GR.BRITAIN (GUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3.58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 56.19; WENDEN 52.22) SWEDEN (5.40DERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94)4:06.67 POLAND (DLUCIK 1:01.95; SHIGLAK 110.88; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87	ANKE R JANDERS HOLLAND 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.28  SEMIFFIRAL 2 SHANE GOULD AUSTRALIA 59.20 SANDRA NELISON USA 59.41 GABRIELE WETZKO E.GERHANY 59.46 ENITH BRIGITHA HOLLAND 58.75 JJITA WEBER WJGERHANY 59.90 SYLVIA EICHNER E.GERHANY 1:00.73 HANSJE BUNSCHOTEN HOLLAND 1:00.73	HANSIE BUNSCHOTEN UTA SCHUETZ W.GERHANY 4:34.67 NARELLE MORAS SUSAN EDMOIDSON LICANA MORALES UTANA SUTHERLAND WEST TAN 4:47.66  HEAT 4 NOVELLA CALLIGARIS KEENA ROTHHAMMER GURUN WEGNER LUCIA DEANGULO JAYNIE PARKHOUSE JUNE GREEN LUCIA GEALAID 4:40.09 JAYNIE PARKHOUSE JUNE GREEN GERHANY 4:45.43  JUNE GREEN GERTIAIN 4:40.02  JUNE GREEN GERTIAIN 4:45.88
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITZ 50.90)  USS? (BURE 52.26; MAZANOV 53.13; ABOIMOV 52.75; GRIVENNIKOV 51.57)  3:29.72 EGGERMANY (MITTHES 52.89; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01)  3:32.42 BRAZIL (AQUINO OLIVEIRA 53.62; ZARETTI 53.61; BECSKERAZY 53.73; DINIZ ARANNA 52.17)  CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70)  W.GERMANY (STEINBACH 53.45; LAMPE 52.81; JACOB 53.81; FASSNACHT 53.82)  3:33.90 FRANCE (VIGNE 54.47; MOSCONI 54.57; HERMITTE 53.41; ROUSSEAU 51.66)  3:34.13 SPAIN (COMAS 54.32; CULEBRAS 55.02; MELO	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98  GR.BRITAIN (CUNNINGHAM 1:01.16; WILKIE 1:06.15; MILLIS 57.88; MINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 58.19; WENDEN 52.22) 4:00.16  SMEDEN (SANDBERG 1:00.65; LARSSON 1:09.23; LJUNGBERG 1:00.65; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRINGS5.94 M:05.67  POLAND (DLUCIK 1:01.95; SM:6LLK 1:10.88; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CAMBODIA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAMNANG58.08)4:20.71	ANKE R JANDERS CANADA 1:00.84 WENDY COOK CANADA 1:00.26 CLAUDE MANDONNAUD FRANCE 1:01.88    SEMIFFIRAL 2	HANSLE BUNSCHOTEN UTA SCHUETZ  UTA SCHUETZ  W.GERHANY 4:34.67  SUSAN EDMORIDSON LICEANA MORALES  DIANA SUTHERLAND  MEAT 4  NOVELLA CALLIGARIS KENA ROTHHAMMER GURDUN WEGNER LUCIA DEANGULO JAWNIE PARKNOUSE JUNE GREEN HELENE AVLONITOU PATRICIA LOPEZ-MUNIZ  HANGE MISSTERMAN 4:25.13  COLOMBIA 4:40.24  G. BRITAIN 4:45.81  GRECE 4:52.10  PATRICIA LOPEZ-MUNIZ  ARGENTINA 4:59.68
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITZ 50.90) W3:26.42 USS? (BURE 52.26; MAZANOV 53.13; ABOIMOV 52.75; GRIVENNIKOV 51.57) 3:29.72 E.GERHANY (MATTHES 52.89; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01) 3:32.42 BRAZIL (AQUINO OLIVEIRA 53.62; ZANETTI 53.61; BECSKEHAZY 53.73; DINIZ ARANHA 52.17) 3:33.14 CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70) 3:33.20 W.GERHANY (STEINBACH 53.45; LAMPE 52.81; JACOB 53.81; FASSNACHT 53.82) 3:33.90 FRANCE (VIGNE 54.47; MOSCONI 54.57; HERMITTE 53.41; ROUSSEAU 51.66) 3:344.13	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) GR.BRITAIN (GUNNINGHAM 1:01.16; WILKHIE 1:06.15; MILLS 57.88; WINDEATT 55.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 56.19; WENDEN 52.22) 4:00.16 SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94)#306.67 POLAND (DLUCIK 1:01.95; SHIGLAK 1:0.88; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CAHBODIA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAHNANG58.08)4:20.71  FINALS USA (STAMM M.57.97; BRUCE T.1:04.22;	ANKE R JANDERS CANADA 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88  SEMITFINAL 2 SHAME GOULD AUSTRALIA 59.20 SANDRA NELISON USA 59.41 GABRIELE WETZKO E.GERHANY 59.90 SYLVIA EICHNER HOLLAND 1:00.73 HANSJE BUNSCHOTEN HOLLAND 1:00.73 TATIAMA ZOLOTNICKAIA USSR 1:01.12  SANDRA NEILSON USA 28.46 58.59	HANSJE BUNSCHOTEN UTA SCHUETZ W.GERHANY 4:34.67 NARELLE MORAS SUSAN EDMOIDSON LICANA MORALES DIANA SUTHERLAND WEAT 4 NOVELLA CALLIGARIS KEENA ROTHHAMMER GURUN WEONER LUCIA DEANGULO JAYNIE PARKHOUSE JUNE GREEN HELENE AVLONITOU PATRICIA LOPEZ-MUNIZ HOLLAND 4:37.67  HEAT 4 NOVELLA CALLIGARIS LUCIA DEANGULO COLOMBIA 4:40.09 N.ZEALAND 4:40.24 JUNE GREEN G.BRITAIN 4:59.68
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITZ 50.90)  USS? (BURE 52.26; MAZANOV 53.13; ABDIMOV 52.75; GRIVENNIKOV 51.57)  3:29.72  E. GERMANY (MATTHES 52.89; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01)  3:32.42  BRAZIL (AQUINO OLIVEIRA 53.62; ZARETTI 53.61; BECESKEHAZY 53.73; DINIZ ARANNA 52.17)  CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70)  3:33.14  CANADA (ROBERTSON 53.52; PHILLIPS 52.81; JACOB 53.81; FASSNACHT 53.82)  3:33.90  FRANCE (VIGNE 54.47; MOSCON 154.57; HERMITTE 53.41; ROUSSEAU 51.66)  3:34.13  SPAIN (GOMAS 54.32; CULEBRAS 55.02; MEG. 54.77; PUJOL 54.09)  3:38.21	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98 GR.BRITAIN (CUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97 AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 56.19; WENDEN 52.22) 4:00.16 SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53;BELLBRING55.94/M36.67 POLAND (DULCIK 1:01.95; SHELLK 1:10.88; CHUDZINSKI 59.63;PACELT 55.39) 4:07.87 CAMBODIA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAMMANG58.08)4:20.71  FINALS USA (STAMM M.57.97; BRUCE T.1:04.22; SPITZ M.54.28; HEIDENREICH J.51.67) W 3:48.16	ANNE R IJNOERS CANADA 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88  SEMIFFIRAL 2 SHARE GOULD USA 59,41 GABRIELE WETZKO E.GERHANY 59,46 ENITH BRIGITHA HOLLAND 59,75 JITTA WEBER W.GERHANY 59,90 SYLVIA EICHNER E.GERHANY 1:00.73 HANSJE BUNSCHOTEN HOLLAND 1:00.73 TATIANA ZOLOTNICKAIA USSR 1:01.12  FINALS SANDRA NEILSON USA 29,16 SANDRA NEILSON SEGEM 29,16 GABRIELE WETZKO E.GERH 29,16 GABRIELE WETZKO E.GERH 29,16 GABRIELE WETZKO E.GERH 29,16 FINALS 29,16 SP-02 GABRIELE WETZKO E.GERH 29,16 FS-02 GABRIELE WETZKO E.GERH 29,16 FS-02 GABRIELE WETZKO E.GERH 29,16 FS-02 FRIEDEMARIE REINECKWIGERM 28,16 FS-02 FS-03 FS-04 FS-05	HANSLE BUNSCHOTEN UTA SCHUETZ W. GERHANY A:34.67 SUSAN EDMOIDSON G. BRITAIN 4:39,10 VENEZUELA 4:44,73 DIANA SUTHERLAND G. BRITAIN 4:39,10 VENEZUELA 4:44,73 DIANA SUTHERLAND G. BRITAIN 4:47.66  HEAT 4 NOVELLA CALLICARIS KENA ROTHHAMMER GUDRUN WEGNER LUCIA DEANGULO JAYNIE PARKOUSE JUNE GREEN G. BRITAIN 4:45,81 HELENE AVLONITOU GREECE 4:52.10 LUCIA DEANGULO ARGENTIAN 4:45,81 HELENE AVLONITOU GREECE 4:52.10  FINALS SHANE GOULD A'LIA 1:01.50 3:13.55 M 4:19,04 NOVELLA CALLIGARISITALY 1:03.64 2:10.01
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITZ 50.90) W3:26.42 USS* (BURE 52.26; MAZANOV 53.13; ABOIMOV 52.75; GRIVENNIKOV 51.57) 3:29.72 E.GERHANY (MATTHES 52.89; HARTUNG 53.41; BRUCH 53.20; UNGER 53.61) 3:32.42 BRAZIL (AQUINO OLIVEIRA 53.62; ZANETTI 53.61; BECSKEHAZY 53.73; DINIZ ARANHA 52.17) 3:33.14 CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70) 3:33.20 W.GERHANY (STEINBACH 53.45; LAMPE 52.81; JACOB 53.81; FASSNACHT 53.82) 3:33.90 FRANCE (VIGNE 54.47; MOSCONI 54.57; HERMITTE 53.41; ROUSSEAU 51.66) 3:34.113 SPAIN (COMAS 54.32; CULEBRAS 55.02; MELO 54.77; PUJOL 54.09) 3:38.21  4x200 METER FREESTYLE RELAY	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBARK 52.75) 3:51.98  GR. BRITAIN (CUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 58.19; WENDEN 52.22) 4:00.16  SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94)4:06.67  POLAND (DLUCIK 1:01.95; SHIGLAK 1:10.88; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CAHOOOLA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAHNANG58.08)4:20.71  USA (STAMM M.57.97; BRUCE T.1:04.22; SPITZ M.54.28; HEIDENREICH J.51.67) W 3:48.16  E.GERHANY (MATTHES R.56.30 EW; KATZUR K.	ANKE RIJNOERS CANADA 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88  SEPTI-FINAL 2 SHANE GOULD AUSTRALIA 59.20 SANDRA NELLSON USA 59.41 E.GERRHANY 59.46 ENITH BRIGITHA HOLLAND 59.75 SYLVIA EIGHNER E.GERHANY 59.90 SYLVIA EIGHNER E.GERHANY 1:00.73 TATIANA ZOLOTNICKAIA USSR 1:01.12  SANDRA NELLSON USA 28.46 SHILEY BABASHOFF USA 29.16 SHRILEY BABASHOFF USA 29.16 SHANE GOULD A'LIA 28.82 SANDRA GOULD A'LIA 28.82 SAND GOULD A'LIA 28.82 SAND GOULD A'LIA 28.82 SAND GOULD SHANE E.GERM 29.18 FS-9.02 SHANE LEL WETZKO E.GERM 29.18 FS-9.02	HANSLE BUNSCHOTEN LUTA SCHUEYZ  NARELLE MORAS SUSAN EDMOIDSON LIEANA MORALES DIANA SUTHERLAND  NOVELLA CALLIGARIS KERNA GOTHHAMMER GURDUN WEGNER LUCIA DEAMGLOS JAYNIE PARKHOUSE JUNE GREEN PELEN STAND  A'LI 1:01.50  SHANE GOULD  A'LI 1:01.50  2:07.04  3:13.55  M 4:19.04
USA (EDGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITZ 50.90) USS? (BUBE 52.26; MAZANOV 53.13; ABDIMOV 52.75; GRIVENNIKOV 51.57) 3:29.72 E. GERMANY (MATTHES 52.89; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01) 3:32.42 BRAZIL (AQUINO OLIVEIRA 53.62; ZARETTI 53.61; BECESKEHAZY 53.73; DINIZ ARANNA 52.17) CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 64.41; KASTING 52.70) 3:33.14 CANADA (ROBERTSON 53.62; PHILLIPS 52.81; JACOB 53.81; FASSNACHT 53.82) 3:33.90 FRANCE (VIGNE 54.47; MOSCON 154.57; HERMITTE 53.41; ROUSSEAU 51.66) 3:34.13 SPAIN (COMAS 54.32; CULEBRAS 55.02; MEG. 54.77; PUJOL 54.09) 3:38.21  4x200 METER FREESTYLE RELAY HEAT I AUSTRALIA (WINDEATT 1:57.34; FEATHERSTONE 1:55.42; WHITE 1:56.06; WENDEN 1:55.18)	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98  GR.BRITAIN (GUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 56.19; WENDEN 52.22) 4:00.16  SWEDEN (SANDBERG 1:00.36; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94 MJG.67  POLAND (DLUCIK 1:01.95; SHIGLAK 1:10.88; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CAMBODIA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAMNANG58.08)4:20.71  FINALS  USA (STAMM M.57.97; BRUCE T.1:04.22; SPITZ M.54.28; HEIDENREICH J.51.67) W3:48.16  E.GERMANY (MATTHES R.56.30 EW; KATZUR K. 1:06.02; FLOECKNER H.56.35; UNGER L. 53.43) 3:52.12	ANKE RIJNOERS CANADA 1:00.88 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88  SEMITFINAL 2 SHARE GOULD AUSTRALIA 59.40 SANDRA NELDSON USA 59.46 ENITH BRIGITHA HOLLAND 59.75 JITTA WEGER GOULSTAIL 1:00.73 HANSJE BUNSCHOTEN HOLLAND 1:00.73 TATIAHA ZOLOTNICKAIA USSR 1:01.12  FINALS SANDRA NELLSON USA 28.46 58.59 SHIRLEY BARSHOFF USA 29.16 SHIRLEY BARSHOFF USA 29.16 SHARE GOULD A*LIA 28.82 59.06 GABRIELE WETZKO E.GERM 28.81 59.73 ANDRA ELFE E.GERM 28.96 59.73	HANSLE BUNSCHOTEN UTA SCHUETZ UTA SCHUETZ W. GERHANY A:34.67  NARELLE MORAS SUSAN EDMOIDSON G. BRITAIN 4:39.10 VENEZUELA 4:44.73 DIANA SUTHERLAND C. BRITAIN 4:47.66  HEAT 4 NOVELLA CALLIGARIS LUCIA DEANGULO JANNIE PRAKOUSE JUNE GREEN HELENE AVLONITOU PATRICIA LOPEZ-MUNIZ SHANE GOULD  SHANE SHANE GOULD ATLIA 1:01.50 SHANE GOULD NOVELLA CALLIGARISITALY JUNE GREEN HELENE AVLONITOU PATRICIA LOPEZ-MUNIZ SHANE SHANE GOULD ATLIA 1:01.50 SHANE GOULD NOVELLA CALLIGARISITALY SHANE SHANE GOULD SITA.00 -E4:22.44 GUDRUN WEGNER E.GERI 1:03.70 2:10.23 3:17.70 -4:23.11
USA (EBGAR 52.69; MURPHY 52.04; HEIDENBEICH 50.78; SPITZ 50.90)  W3:26.42 USS** (BUBE 52.26; MAZANOV 53.13; ABOIMOV 52.75; GRIVENNIKOV 51.57) 3:29.72 EGERHANY (MATTHES 52.89; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01) 3:32.42 BRAZIL (AQUINO CLIVEIRA 53.62; ZANETTI 53.61; BECSKEHAZY 53.73; DINIZ ARANHA 52.17) CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70) 3:33.20 W.GERHANY (STEINBACH 53.45; LAMPE 52.81; JACOB 53.81; FASSANCHT 53.82) 3:33.390 FRANCE (VIGNE 54.47; MOSCONI 54.57; HERMITTE 53.41; ROUSSEAU 51.66) 3:34.13 SPAIN (COMAS 54.32; CULEBRAS 55.02; MELO 54.77; PUJO 54.09) 3:38.21  4x200 METER FREESTYLE RELAY HEAT   AUSTRALIA (WINDEATT 1:57.34; FEATHERSTONE 1:55.18) 7:49.03	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98  GR. BRITAIN (CUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 58.19; WENDEN 52.22) 4:00.16  SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94)4:06.67  POLAND (DLUCIK 1:01.95; SHIELBK I:10.88; CHU021NSKI 59.63; PACELT 55.39) 4:07.87  CAMBODIA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAHMANG58.08)4:20.71  USA (STAMH M.57.97; BRUCE T.1:04.22; SPITZ M.54.26; HEIDENBEICH J.51.67)  W 3:48.16  E.GERMANY (MATTHES R.56.30 EW; KATZUR K. 1:06.02; FLOECKNER H.56.36; UNGER L. 53.43)  CANADA (FISH E.59.61; MAHONY W. 1:05.99;	ANKE R JANDERS CANADA 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88  SEMI-FINAL 2 SHANE GOULD AUSTRALIA 59,20 SANDRA NELISON USA 59,41 GABRIELE WETZKO E.GERHANY 59,46 ENITH BRIGITHA HOLLAND 59,75 JJITA WEBER C.GERHANY 59,90 STYLVIA ELICHNER E.GERHANY 1:00.73 HANSJE BUNSCHOTEN HOLLAND 1:00.79 TATIANA ZOLOTNICKAIA USSR 1:01.12  SANDRA NELISON USA 28,46 58,59 SHIRLEY BABASHOFF USA 29,16 59,02 SHANE GOULD A'LIA 28,82 59,06 GABRIELE WETZKO E.GERM 29,18 E59,01 HEIDEMARIE REINECKWI,GERM 28,81 59,73 ANDREA EIFE E.GERM 29,18 E59,21 HEIDEMARIE REINECKWI,GERM 28,81 59,73 ANDREA EIFE E.GERM 29,91 59,91 MAGGOULD APTON HURGARY 28,92 1:00.020	HANSLE BUNSCHOTEN LATA SCHUETZ  NARELLE MORAS  USAN EDMORIDSON LIEANA MORALES  LIEANA MORALES  LIEANA MORALES  OSBRITAIN 4:39,10  VENEZUELA 4:44,73  DIANA SUTHERLAND  HEAT 4  NOVELLA CALLIGARIS  KEENA ROTHHAMMER  GURUN WEGNER  LUCIA DEANGULO  JAWNIE PARKNOUSE  JUNE GREEN  FINALS  SHANE GOULD  A'LIA 1:01.50  A'GRETAIN 4:55,81  HELENE AVLONITOU  PATRICIA LOPEZ-MUNIZ  ARGENTINA 4:59.68  FINALS  SHANE GOULD  A'LIA 1:01.50  2:07.04  NOVELLA CALLIGARISITALY 1:03.64  3:13.55 W 4:19.04  NOVELLA CALLIGARISITALY 1:03.64  GURUN WEGNER  EGER 1:03.70  1:03.64  2:10.01  3:17.00  1:22.244  GURUN WEGNER  EGER 1:03.70  2:10.23  2:10.23
USA (EBGAR 52.69; MURPHY 52.04; HEIDENREICH 50.78; SPITZ 50.90)  W3:26.42 USS* (BURE 52.26; MAZANOV 53.13; ABOIMOV 52.75; GRIVENNIKOV 51.57) 3:29.72 E.GERHANY (MATTHES 52.89; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01) 3:32.42 BRAZIL (AQUINO OLIVEIRA 53.62; ZANETTI 53.61; BECSKEHAZY 53.73; DINIZ ARANHA 52.17) 3:04; BECSKEHAZY 53.73; DINIZ ARANHA 52.17) 3:33.10  W.GERHANY (STEINBACH 53.45; LAMPE 52.81; JACOB 53.81; FASSNACHT 53.82) 3:33.90 FRANCE (VIGNE 54.47; MOSCONI 54.57; HERMITTE 53.41; ROUSSEAU 51.66) 3:34.11 SPAIN (COMAS 54.32; CULEBRAS 55.02; MELO 54.77; POUD 54.07) 4x200 METER FREESTYLE RELAY HEAT    AUSTRALIA (WINDEATT 1:57.34; FEATHERSTONE 1:58.42; WHITE 1:58.08; WEEDEN 1:55.18) 7:49.03 CANADA (HUTTON 1:57.97; BUCKBORO 2:00.20; MACKENZIE! 1:59.54; PHILLIPS 1:59.97)	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBARK 52.75) 3:51.98  GR. BRITAIN (CUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 58.19; WENDEN 52.22) 4:00.16  SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94)4:06.67  POLAND (DLUCIK 1:01.95; SHIELAK 1:10.88; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CAHBOOIA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAHHANG58.08)4:20.71  USA (STAMH M.57.97; BRUCE T.1:04.22; SPITZ M.54.28; HEIDENREICH J.51.67) W 3:48.16  E.GERHANY (MATTHES R.56.30 EW; KATZUR K. 1:06.02; FLOECKNER H.56.36; UNGER L. 53.43) 3:52.12  CANADA (FISH E.59.61; MAHONY W.1:05.89; ROBERTSON B.54.48; KASTING B.52.28)	ANKE R JANDERS CANADA 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.88  SEMIFFIRAL 2 SHARE GOULD AUSTRALIA 59.20 SANDRA NEILSON USA 59.46 ENITH BRIGITHA HOLLAND 1:00.73 TATIAMA ZOLOTNICKAIA USSR 1:01.12  FINALS SANDRA NEILSON USA 28.46 SHIRLEY BADASHOFF USA 29.16 SHARE GOULD A'LIA 28.82 SHARE GOULD	HANSIE BUNSCHOTEN
USA (EBGAR 52.69;MURPHY 52.04;HEIDENREICH 50.78;SPITZ 50.90)  USS" (BURE 52.26;MAZANOV 53.13;ABOIMOV 52.75;GRIVENNIKOV 51.57)  3:29.72 EGGERHANY (MITTHES 52.89;HARTUNG 53.31; BRUCH 53.20;UNGER 53.01)  3:32.42 BRAZIL (AQUINO OLIVEIRA 53.62;ZARETTI 53.61;BECSKERIZY 53.73; DINIZ ARANNA 52.17)  CANADA (ROBERTSON 53.52; PHILLIPS 52.56; 8ACH 54.41; KASTING 52.70)  W.GERMANY (STEINBACH 53.45;LAMPE 52.81; 31.33.90  FRANCE (VIGNE 54.47;MOSCONI 54.57;HERMITTE 53.41; ROUSSEAU 51.66)  3:34.13  PAIN (COMAS 54.32; CULEBRAS 55.02; MELO 54.77; PUJOL 54.09)  4x200 METER FREESTYLE RELAY  HEAT  AUSTRALIA (WINDEATT 1:57.34;FEATHERSTONE 1:58.42;WHITE 1:58.08;WENDEN 1:55.18)  7:49.03  CANADA (HUTTON 1:57.97; BUCKBORO 2:00.20; MACKENZIE 1:59.54;PHILLIPS 1:59.97)  7:57.69	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98  GR. BRITAIN (CUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 56.19; WENDEN 52.22) 4:00.16  SWEDEN (SANDBERG 1:00.56; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94) 4:00.16  CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CHHODOIA (SARUN 1:07.51; SOKHON 1:08.54; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CHAYKHENG 1:06.57; SAMMANG58.08) 4:20.71  WISA (STAMM M.57.97; BRUCE T.1:04.22; SPITZ M.54.26; HEIDENBEICH J.51.67)  WISA (STAMM MATTHES R.56.30 EW; KATZUR K. 1:06.02; FLOECKER H.56.36; UNGER L. 53.43)  CANADA (FISH E.59.61; MAHONY W.1:05.99; ROBERTSON B.54.48; KASTING B.52.28)  USSA (GRIVENNIKOV 1.59.22; PANKN N.	ANNE R 1JNOERS CANADA 1:00.84 WENDY COOK CANADA 1:01.86  CLAUDE MANDONNAUD FRANCE 1:01.88  SEMIFFIRAL 2 SHARE GOULD AUSTRALIA 59,20 USA 59,41 GABRIELE WETZKO E.GERHANY 59,46 ENITH BRIGITHA HOLLAND 59,75 JUTTA WEBER W.GERRHANY 59,90 SYLVIA EICHNER E.GERHANY 1:00.73 HANSJE BUNSCHOTEN HOLLAND 1:00.73 TATIANA ZOLOTNICKAIA USSR 1:01.12  FINALS SANDRA NELLSON USA 29,16 59,02 SHRIELY BABASHOFF USA 29,16 59,02 SHRIELE WETZKO E.GERH 28,81 FOR SHIELE WETZKO E.GERH 28,96 GABRIELE WETZKO E.GERH 28,96 FOR SHIELE WETZKO E.GERH 28,96 ANDRA EIFE E.GERH 28,96 S9,91 MAGGOULAN PATOH HURGARY 28,92 ENTH BRIGITHA HOLLAND 28,72 ENO METER FREESTYLE	HANSLE BUNSCHOTEN UTA SCHUETZ UTA SCHUETZ W. GERHANY 4:34.67 SUSAN EDMORIDSON G. BRITAIN 4:39,10 VENEZUELA 4:44,73 DIANA SUTHERLAND G. BRITAIN 4:47.66  HEAT 4 NOVELLA CALLICARIS KENA ROTHHAMMER GUDRUN WEGNER LUCIA DEANGULO DAVINE GREEN G. BRITAIN 4:24.14 4:24.14 USA 4:24.14 4:24.24 USA 4:24.82 GUDRUN WEGNER G. BRITAIN 4:45.13 LUCIA DEANGULO DAVINE GREEN G. BRITAIN 4:45.81 HELENE AVLONITOU PATRICIA LOPEZ-MUNIZ REGEREN SHANE GOULD A'LIA 1:01.50 3:13.55 M 4:19.04 GUDRUN WEGNER E.GER 1:03.70 0:64:22.44 GUDRUN WEGNER E.GER 1:03.70 0:64:22.44 GUDRUN WEGNER E.GER 1:03.70 0:17.00 0:64:22.44 GUDRUN WEGNER E.GER 1:03.70 0:12.10.23 3:17.70 0:12.33 3:19.97 1:23.59
USA (EBGAR 52.69;MURPHY 52.04;HEIDENBEICH 50.78;SPITZ 50.90)  W3:26.42 USS* (BURE 52.26;MZANOV 53.13;ABOIMOV 52.75;GRIVENNIKOV 51.57) 3:29.72 EGGERHANY (MATTHES 52.89;HARTUNG 53.31; BRUCH 53.20;UNGER 53.01) 3:32.42 BRAZIL (AQUINO CLIVEIRA 53.62;ZANETTI 53.61;BEGSKEHAZY 53.73; DINIZ ARANHA 52.17) CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70) 3:33.20 W.GERHANY (STEINBACH 53.45;LAMPE 52.81; JACOB 53.81;FASSANCHT 53.82) 3:33.390 FRANCE (VIGNE 54.47;MOSCONI 54.57;HERMITTE 53.41; ROUSSEAU 51.66) 3:34.13 SPAIN (COMAS 54.32; CULEBRAS 55.02; MELO 54.77; PUJOI 54.09) 3:38.21  4x200 METER FREESTYLE RELAY HEAT   AUSTRALIA (WINDEATT 1:57.34;FEATHERSTONE 1:55.18) 1:59.42;MHITE 1:56.08;MENDEN 1:55.18) 7:49.03 CANADA (HUTTON 1:57.97; BUCKSONG 2:00.20; MACKENZIE 1:59.54;PHILLIPS 1:59.97) GR. BRITAIN (BRINKLEY 1:57.49; MILLS 1:59.03; BAILEY 2:01.35; CUNNINGHAM	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBARK 52.75) 3:51.98  GR. BRITAIN (CUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 58.19; WENDEN 52.22) 4:00.16  SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94)4:06.67  POLAND (DLUCIK 1:01.95; SHIELAK 1:10.88; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CAMBODIA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAMHANG58.08)4:20.71  USA (STAMH M.57.97; BRUCE T.1:04.22; SPITZ M.54.28; HEIDENREICH J.51.67) W 3:48.16  E.GERMANY (MATTHES R.56.30 EW; KATZUR K. 1:05.02; FLOECKNER H.56.36; UNGER L. 53.43) 3:52.12  CANADA (FISH E.59.61; MAHONY W.1:05.99; ROBERTSON B.54.48; KASTING B.52.28) 3:52.26  USSR (GRIVENNIKOV 1.59.22; PANKIN N. 1:05.20; SHARYGIN V.57.44; BURE V.51.38) 3:52.6	ANKE R JJNOERS WENDY COOK CLAUDE MANDONNAUD  SEPTI-FINAL 2 SAADRA NELISON SAURA NELISON SYLVIA EICHNER HANSJE BUNSCHOTEN TATIANA ZOLOTNICKAIA SANDRA NELISON SHRUEY BABSHOFF USA SHADE GOULD SHADE GOULD SHADE SUSS SHADE GOULD FINAL SANDRA NELISON SANDRA NELISON SANDRA NELISON W.GERNAWY 59,90 SYLVIA EICHNER HOLLAND 1:00.73 HANSJE BUNSCHOTEN HOLLAND 1:00.73 HANSJE BUNSCHOTEN HOLLAND 1:01.73 HANSJE BUNSCHOTEN HOLLAND 1:00.73 HOLLAN	HANSLE BUNSCHOTEN   HOLLAND   4:31.76
USA (EBGAR 52.69;MURPHY 52.04;HEIDENREICH 50.78;SPITZ 50.90) USS? (BURE 52.26;MAZANOV 53.13;ABOIMOV 52.75;GRIVENNIKOV 51.57) 3:29.72 EGGERMANY (MITTHES 52.89;HARTUNG 53.31; BRUCH 53.20;UNGER 53.01) 3:32.42 BRAZIL (AQUINO OLIVEIRA 53.62;ZARETTI 53.61;BECSKERAZY 53.73; DINIZ ARANNA 52.17) CANADA (ROBERTSON 53.52; PHILLIPS 52.55; BACH 54.41; KASTING 52.70) 3:33.14 CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70) 3:33.20 W.GERMANY (STEINBACH 53.45;LMPE 52.81; JACOB 53.81;FASSNACHT 53.82) 3:33.90 FRANCE (VIGNE 54.47;MOSCONI 54.57;HERMITTE 53.41; ROUSSEAU 51.66) 3:34.13 SPAIN (COMAS 54.32; CULEBRAS 55.02; MELO 54.77; PUJOL 54.09) 3:38.21  4x200 METER FREESTYLE RELAY HEAT 1 AUSTRALIA (WINDEATT 1:57.34;FEATHERSTONE 1:58.42;WHITE 1:58.08;WENDEN 1:55.18) 7:49.03 CANADA (HUTTON 1:57.97; BUCKBORO 2:00.20; MACKENZIE 1:59.54;PHILLIPS 1:59.97) GR. BRITAIN (BRINKLEY 1:57.49; MILLS 1:59.03; BAILEY 2:01.35; CUNNINGHAM 2:00.44) 7:55.33	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) GR.BRITAIN (QUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 56.19; WENGEN 52.22) SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLERING55.94 M:05.67 POLAND (DUICIK 1:01.95; SHIGLAK 1:10.88; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87 CAMBODIA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAMMANG58.08)4:20.71  FINALS USA (STAMM M.57.97; BRUCE T.1:04.22; SPITZ M.54.28; HEIDENBE ICH J.51.67) W 3:48.16 E.GERMANY (MATTHES R.56.30 EW; KATZUR K. 1:05.02; FLOECKNER H.56.36; UNGER L. 53.43) USA (STAMM 559.61; MAHONY W.1:05.89; ROBERTSON B.54.48; KASTING B.52.28) USR (GRIVENNIKOV 1.59.22; PANKN 1.52.26 USRA (GRIVENNIKOV 1.59.22; PANKN 1.53.326 BRAZIL (ARANTES JR.R.1:01.87; FIOLO J.	ANNE R IJNOERS CANADA 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.26  SEMIT-FINAL 2 SHANE GOULD USA 59,41 GABRIELE WETZKO E.GERHANY 59,46 ENITH BRIGITHA HOLLAND 59,75 JUTTA WEBER W.GERRHANY 59,90 SYLVIA EICHNER E.GERHANY 1:00.73 HANSJE BUNSCHOTEN HOLLAND 1:00.73 TATIANA ZOLOTNICKAIA USSR 1:01.12  FINALS SANDRA NELLSON USA 29,16 E.GERHANY 1:00.73 HANSJE BUNSCHOTEN USA 29,16 E.GERHANY 1:00.73 ANDRA NELLSON USA 29,16 E.GERHANY 1:00.73 ANDRA RELE WETZKO E.GERH 28,96 GABRIELE WETZKO E.GERH 28,96 FIRLEY BABASHOFF USA 29,16 E.GERHANY 1:00.73 ANDRA EIFE E.GERM 28,96 ANDRA EIFE E.GERM 28,96 E.GERM	HANSJE BUNSCHOTEN
USA (EBGAR 52.69;MURPHY 52.04;HEIDENBEICH 50.78;SPITZ 50.90)  USS** (BUBE 52.26;MAZANOV 53.13;ABOIMOV 52.75;GRIVENNIKOV 51.57)  3:29.72 EGERHANY (MATTHES 52.89;HARTUNG 53.31; BRUCH 53.20;UNGER 53.01)  3:32.42 BRAZIL (AQUINO OLIVEIRA 53.62;ZANETTI 53.61;BECSKERAZY 53.73; DINIZ ARANHA 52.17)  CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70)  W.GERHANY (STEINBACH 53.45;LAMPE 52.81; JACOB 53.81;FASSMACHT 53.82)  3:33.90 FRANCE (VIGNE 54.47;MOSCONI 54.57;HERMITTE 53.41; ROUSSEAU 51.66)  SPAIN (COMAS 54.32; CULEBRAS 55.02; MELO 54.77; PUJOL 54.09)  3:38.21  4x200 METER FREESTYLE RELAY HEAT   AUSTRALIA (WINDEATT 1:57.34;FEATHERSTONE 1:55.48; MILTE 1:59.95; MELO 1:55.18) 7:49.03 CANADA (HUTTON 1:57.97; BUCKBORO 2:00.20; MACKENZIE 1:59.54;PHILLIPS 1:59.97)  GR. BRITAIN (BRINKLEY 1:57.49; MILLS 1:59.93; BAILEY 2:01.35; CUNNINCHAM 2:00.44)  HOLLAND (PRIJDEKKER 1:59.40; BERGSMA1:59.56; VANHAMBURG2:00.38; EUZERMAN2:01.52)8:010.51	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98  GR. BRITAIN (CUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 58.19; WENDEN 52.22) 4:00.16  SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLERING55.94) 4:00.16  CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CAMBOOLA (SARUN 1:07.51; SOKHON 1:08.54; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CAMBOOLA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAHMANG58.08)4:20.71  W3:48.16  E.GERMANY (MATTHES R. 56.30 EW; KATZUR K. 1:06.02; FLOECKNER H.56.36; UNGER L. 3:52.12  CANADA (FISH E.59.61; MAHONY W.1:05.99; ROBERTSON B.54.48; KASTING B.52.28) 3:52.26  USSA (GRIVENNIKOV 1.59.22; PANKIN N. 1:05.20; SHARYGIN V.57.44; BURE V.51.38) 3:53.26  BRAZIL (ARANTES JR.R.1:01.87; FIOLO J. 1:05.92; WAISMANN S.57.99; OINIZ-ARANHA 52.09) 3:57.89	ANKE R JJNOERS WENDY COOK CLAUDE MANDONNAUD  SEPTI-FINAL 2 SAADRA NELISON SABRIEL WETZKO ENITH BRIGITHA JITA WEBER SANDRA NELISON W.GERNAWY S9,90 SYLVIA EICHNER HOLLAND JITA WEBER SANDRA NELISON SANDRA NELISON SANDRA NELISON SANDRA NELISON SHIRLEY BABASHOFF USA 29,16 59,02 SHANE GOULD A'LIA 28,82 59,06 SHORIELE WETZKO E.GERM 29,16 S9,02 SHANE GOULD A'LIA 28,82 59,06 SHANE GOULD A'LIA 28,82 59,06 GABRIELE WETZKO E.GERM 29,16 S9,02 SHANE GOULD A'LIA 28,82 59,06 SHANE GOULD A'LIA 28,82 59,06 SHORIELE WETZKO E.GERM 29,16 59,02 SHANE GOULD A'LIA 28,81 59,02 SHANE GOULD A'LIA 28,81 59,03 SHANER JERSON W.SERANY 210,02 ENITH BRIGITHA HOLLAND USA 2100,02 ENITH BRIGITHA LUSA 2100,02 ENITH BRIGITHA LUSA 2100,03 ENITA WEBER MERRILLY STRATTEN KAREN LEGRESLEY CAMADA 2112,444 HEATHER COMBRIDGE KAREN LEGRESLEY CAMADA 2116,478	HANSJE BUNSCHOTEN HOLAND 4:31,76 UTA SCHUETZ WAGERHANY 4:34,67 SUSAN EDMORIDSON G. BRITAIN 4:39,10 VENEZUELA 4:44,73 DIANA SUTHERLAND G.BRITAIN 4:39,10 VENEZUELA 4:44,73 DIANA SUTHERLAND HEAT 4 NOVELLA CALLIGARIS KEENA ROTHHAMMER GURUN WEGNER LUCIA DEANGULO JANNIE PARKNOUSE JUNE GREEN G. BRITAIN 4:45,81 HELENE AVLONITOU PATRICIA LOPEZ-MUNIZ ARGENTINA 4:59,68 FINALS SHANE GOULD A'LIA 1:01,50 2:07,04 NOVELLA CALLIGARISITALY 1:03,64 2:10,01 3:17,00 4:23,11 SHIRLEYBABASHOFF USA 3:17,00 4:23,11 SHIRLEYBABASHOFF USA 1:04,64 1:03,64 2:10,01 3:17,70 4:23,11 SHIRLEYBABASHOFF USA 1:04,64 1:03,65 3:17,70 4:23,11 SHIRLEYBABASHOFF USA 1:03,64 2:10,01 3:17,70 4:23,11 SHIRLEYBABASHOFF USA 1:03,64 2:10,01 3:17,70 4:23,11 SHIRLEYBABASHOFF USA 1:03,64 2:10,01 3:18,41 4:24,07 KEENA ROTHHAMMER USA 1:03,65 3:17,17 4:24,22 HANSJE BUNSCHOTEN HOLL, 1:03,65 2:11,40 3:09,37 4:22,70 ANKE RIJNDERS HOLL, 1:03,65 2:11,40 3:10,34 4:22,70 ANKE RIJNDERS HOLL, 1:03,65 2:11,40 3:10,34 4:22,70 ANKE RIJNDERS HOLL, 1:03,65 2:11,40 3:10,34 4:22,107 ANKE RIJNDERS HOLL, 1:03,46 2:12,08
USA (EBGAR 52.69; MURPHY 52.04; HEIDENBEICH 50.78; SPITZ 50.90)  W3:26.42 USS* (BURE 52.26; MAZANOV 53.13; ABOIMOV 52.75; GRIVENNIKOV 51.57) 3:29.72 E.GERHANY (MATTHES 52.89; HARTUNG 53.31; BRUCH 53.20; UNGER 53.01) 3:32.42 BRAZIL (AQUINO OLIVEIRA 53.62; ZANETTI 53.61; BECSKEHAZY 53.73; DINIZ ARANHA 52.17) 3:33.14 CANADA (ROBERTSON 53.52; PHILLIPS 52.56; BACH 54.41; KASTING 52.70) 3:33.20 W.GERHANY (STEINBACH 53.45; LAMPE 52.81; JACOB 53.81; FASSNACHT 53.82) 3:33.90 FRANCE (VIGNE 54.47; MOSCONI 54.57; HERMITTE 53.41; ROUSSEAU 51.66) 3:34.31 SPAIN (COMAS 54.32; CULEBRAS 55.02; MELO 54.77; PUDL 54.09) 4x200 METER FREESTYLE RELAY HEAT   AUSTRALIA (WINDEATT 1:57.34; FEATHERSTONE 1:55.48; WHITE 1:58.08; WENDEN 1:55.18) 7:49.03 CANADA (HUTTON 1:57.97; BUCKBOR 2:00.20; MACKENZIE 1:59.54; PHILLIPS 1:59.97) ACKENZIE 1:59.54; PHILLIPS 1:59.97) 7:157.69 GR. BRITAIN (BRINKLEY 1:57.49; MILLS 1:59.03; BAILEY 2:01.35; CUNNINGHAH 2:00.44) HOLLAND (PRIJDEKKER 1:59.40; BERGSNA1:59.56;	HEAT 3  USA (1VEY 58.72; HENCKEN 1:05.10; HALL 55.39; FAIRBANK 52.75) 3:51.98  GR. BRITAIN (GUNNINGHAM 1:01.16; WILKHE 1:06.15; MILLS 57.88; WINDEATT 53.77) 3:58.97  AUSTRALIA (COOPER 1:00.77; JARVIE 1:08.97; ROGERS 58.19; WENDEN 52.22) 4:00.16  SWEDEN (SANDBERG 1:00.96; LARSSON 1:09.23; LJUNGBERG 1:00.53; BELLBRING55.94)#306.67  POLAND (DLUCIK 1:01.95; SHIGLAK 1:0.88; CHUDZINSKI 59.63; PACELT 55.39) 4:07.87  CAHBOOIA (SARUN 1:07.51; SOKHON 1:08.54; CHHAYKHENG 1:06.57; SAMNANG58.08)4:20.71  FINALS  USA (STAMM M.57.97; BRUCE T.1:04.22; SPITZ M.54.28; HEIDENREICH J.51.67)  W 3:48.16  E.GERMANY (MATTHES R.56.30 EW; KATZUR K. 1:06.02; FLOECKHER H.56.36; UNGER L. 53.43) 3:52.12  CANADA (FISH E.59.61; MAHONY W.1:05.89; ROBERTSON B.54.48; KASTING B.52.28) 3:52.26  USSA (GRIVENNIKOV 1.59.22; PANKN N. 1:05.20; SHARYGIN V.57.44; BURE V.51.38) 3:53.26  BRAZIL (ÁRANTES JR.R.1:01.87; FIOL J. 1:05.92; WINISTARAHA	ANKE R 1JNOERS CANADA 1:00.84 WENDY COOK CANADA 1:01.26 CLAUDE MANDONNAUD FRANCE 1:01.86  SEMIFFIRAL 2 SHARE GOULD AUSTRALIA 59.20 SANDRA NEILSON USA 59.46 ENITH BRIGITHA HOLLAND 1:00.73 ANDRA BER SON USA 28.46 SHIRLE WETZKO E.GERMANY 1:00.73 TATIAMA ZOLOTHICKAIA USSR 1:01.12  FINALS  SANDRA NEILSON USA 28.46 SHIRLEY BABASHOFF USA 29.16 SHIRLEY BABASHOFF USA 29.16 SHARE GOULD A'LIA 28.82 SHARE SHARE BIN ECKH. JERNEY 29.18 SHARE GOULD A'LIA 28.82 SHARE GOULD A'LIA 28.82 SHARE GOULD A'LIA 28.82 SHARE GOULD A'LIA 28.82 SHARE SHARE BIN ECKH. JERNEY 29.91 HEIDEMRAF ZB.92 HOLLAND 28.72 HOLLAND 28.72 LIOU.02 ENITH BRIGITH HOLLAND 28.72 LIOU.02 ENITH BRIGITH CHARLEY SHARE	HANSJE BUNSCHOTEN

800 METER FRE	ESTYLE	HEAT 5		BEVERLEY WHITFIELD	AUSTRALIA 1:17.59	Уоко Уамамото	JAPAN 2:54.28
HEAT !		DONNA MARIE GURR KAREN MOE	USA 1:07.45	TATIANA PRUDNIKOVA YOKO YAMAMOTO	USSR 1:18.11 Japan 1:18.94	WINNIE NIELSEN	DENMARK 2:59.31
Novella Calligaris Andrea Eife	1TALY 9:02.96 E.GERMANY 9:22.88	SILKE PIELEN	W.GERMANY 1:07.70	ANN O'CONNOR	1RELAND 1:19.13	HEAT 5	
BARBARA SCHWARZFELDT	W.GERMANY 9:24.89	ZOENKA GASPARAC	YUGOSLAVIAI:09.72 CANADA 1:09.72	JUDITH HUDSON	AUSTRALIA 1:19.78 ISRAEL 1:20.90	GALINA STEPANOVA BEVERLEY WHITFIELD	USSR 2:44.20 AUSTRALIA 2:44.47
Maria Teresa Ramirez Francoise Mondo	MEXICO 9:25.09 SWITZERLND9:50.73	KATHY RAFTERY PATRICIA LOPEZ-MUNIZ	ARGENTINA 1:12.13	SHLOMIT NIR	15KAEL 1.20.50	JANE WRIGHT	CANADA 2:47.85
Yue-Yun Hsu	CHINA 10:08.49	CECILIA VARGAS	MEXICO 1:12.91 SINGAPORE 1:14.24	HEAT :	2 USA 1:16.75	CHRISTINE JARVIS JEANETTE PETTERSON	G.BRITAIN 2:49.24 SWEDEN. 2:50.36
HELENE AVLONITOU	GREECE 10:10.88	CHAN PATRICIA LI YIN	SINGAPURE 1.14-24	JUDY MELICK Verena Eberle	W.GERMANY 1:17.67	NIEVES PANADELL	SPAIN 2:51.50
HEAT 2		SEMI-FINAL		LYNN VIDALI	USA 1:18.80 Czecho. 1:18.88	HEAT 6	
KEENA ROTHHAMMER HANSJE BUNSCHOTEN	USA 8:59.69 Holland 9:21.13	MELISSA BELOTE Susie Atwood	USA 1:06.08 USA 1:06.26	ZUZANA MARKOVA Jaroslava Slavickova	Czecho 1:18.88 Czecho 1:19.12	LUDMILLA PORUBAIKO	USSR 2:43.68
UTA SCHUETZ	W.GERMANY 9:22.93	KAREN MOE	USA 1:06.27 CANADA 1:06.89	DIANA HARRIS	G.BRITAIN 1:19.19 DENMARK 1:23.00	CLAUDIA CLEVENGER Petra Nows	USA 2:44.74 W.GERMANY 2:45.20
OLGA LUCIA DEANGULO HELGA WAGNER	COLOMBIA 9:43.27 W.GERMANY 9:44.17	WENDY COOK Ti. Lekveishvili	CANADA 1:06.89 USSR 1:07.61	WINNIE NIELSEN Leonor Urueta	MEXICO 1:23.21	CHIENO SHIBATA	JAPAN 2:46.87
OLGA PETRUSEVA	USSR 10:04.96	SUE LEWIS	AUSTRALIA 1:07.81			HEAT G	
SILVIA ELIZABETH BORGIN	1ARGENTINA 10:09.19	OEBRA CAIN Mariana Vermaat	AUSTRALIA 1:08.51 HOLLAND 1:09.4	HEAT 3 OGROTHY HARRISON	G.BRITAIN 1:16.99	LIUDMILA PORUBAIKO	USSR 2:43.68
HEAT 3			•	CHRISTINE JARVIS	G.8RITAIN 1:18.27 E.GERMANY 1:18.29	CLAUDIA CLEVENGER PETRA Nows	USA 2:44.74 W.GERMANY 2:45.20
ANN SIMMONS Marelle Moras	USA 9:11.94 Australia 9:17.95	Semi⇔Final Andrea Gyarmati	Hungary 1:06.39	SYLVIA LANGER BRIGITTE SCHUCHARDT	E.GERMANY 1:18.62	CHIENO SHIBATA	JAPAN 2:46.87
ROSELINA ANGEL	COLOMBIA 9:38.08	ENITH BRIGITHA	HOLLAND 1:06.49 W.GERMANY 1:06.98	DAGMAR SIERCK	W.GERMANY 1:18.80 CANADA 1:20.56	ERIKA RUEGG Zuzana Markova	SwitzerLnd2:47.63 Czecho. 2:53.88
JUNE GREEN LAURA VACA	G.BRITAIN 9:39.91 MEXICO 9:50.10	SILKE PIELEN Christine Herbst	E.GERMANY 1:07.31	JANE WRIGHT CRISTINA BASSAMI TEIXEI		ANA DELAPORTILLA	MEXICO 2:54.10
BELINDA PHILLIPS	JAMAICA 9:53.99	DONNA MARIE GURR	CANADA 1:07.37	ANT JANE MUGROTTCHIAN	L:8YA 1:29.71	FINALS	
AVIS WILLINGTON	G.BRITAIN10:10.91	ANNEGRET KOBER Deborah Palmer	W.GERMANY 1:08;01 AUSTRALIA 1:08.29	HEAT 4		BEVERLEY WHITFIELD A'LI	A 38.37 1:19.64
HEAT 4		ANGELIKA KRAUS	W.GERMANY 1:09.10	GALIMA STEPANOVA	USSR 1:17.18	Dana Schoenfield USA	2:01.15 *C2:41.05 38.16 1:19.63
SHANE GOULD	AUSTRALIA 9:10.84 E.GERMANY 9:11.32	FINALS		JEANETTE PETTERSSON EVA KISS	SWEDEN 1:17.83 HUNGARY 1:18.57	DANA SCHUENFIELD USA	2:01.02 2:42.05
GUDRUN WEGNER Karin Tuelling	E.GERMANY 9:25.73	MELISSA BELOTE USA	31.18 WAI:05.78	ALIETE RIET	HOLLAND 1:18.79	GALINA STEPANOVA USSR	
FEDERICA STABILINI	1TALY 9:27.84 CANADA 9:43.31	Andrea Gyarmati Hungar Susie Atwood USA	Y 31.42 *E1:06.26 32.03 1:06.34	TINEKE HOFLAND PATRICIA SIEWERT	HOLLAND 1:19.38 W.GERMANY 1:19.54	CLAUDIA CLEVENGER USA	1:59.48 2:42.36 37.46 1:19.64
MARY BETH RONDEAU Antonella Valentini	ITALY 9:49.07	KAREN MOE USA	31.64 1:06.69	MARY TOANNIDOU	GREECE 1:21.70		2:00.54 2:42.88
PATRICIA LOPEZ-MUNIZ	ARGENTINA 10:06.39	WENDY COOK CANADA ENITH BRIGITHA HOLLAN	31.67 *C1:06.70 0 31.42 *1:06.82	YUE-HWAN LII	CHINA 1:25.47	PETRA NOWS W.GE	R 38.10 1:20.11 2:01.94 2:43.38
HEAT 5		CHRISTINE HERBST E.GERM	. 32.30 •1:07.27	HEAT 5		A.KISSNE-KACZANDER HUNG	37.89 1:20.65
JO HARSHBARGER	USA 9:14.46 Australia 9:25.11	SILKE PIELEN W.GERM	. 31.97 *1:07.36	CATHERINE CARR AGNES KISSNE-KACZANDER	USA 1:16.01 HUNGARY 1:16.52	LIUDMILA PORUBATKO USSR	2:01.92 2:43.41 37.77 1:19.73
KAREN MORAS Jaynie Parkhouse	N.ZEALAND 9:34.65	200 METER BACK	STROKE	BRITT-MARLE SMEDH	Sweden 1:17.21		2:01.72 2:44.48
KAREN LEGRESLEY	CANADA 9:37.13 CANADA 9:39.44	HEAT I Annegret Kober	W.GERMANY 2:24.88	ERIKA RUEGG Sylvia Dockerill	SWITZERLNDI:17.95 CANADA 1:18.64	EVA KISS HUNG	38.04 1:20.15 2:02.94 2:45.12
BRENDA HOLMES Susan Jones	G.BRITAIN 9:47.35	WENDY COOK	CANADA 2:25.71	MARIAN STUART	CANADA 1:18,69		
Kirsten Knudsen	DENMARK 10:02.56 IRELAND 10:18.05	Suzuko Matsumura Maria Teresa Ramirez	JAPAN 2:26.95 MEXICO 2:27.47	BEATRICE MOTTOULLE ANA DELAPORTILLA	BELGIUM 1:20.79 MEXICO 1:21.61	100 METER BUTT	ERFLY
AISLING O'LEARY	(RELAND TO:10:03	ANNEMARIE GROEN	HOLLAND 2:29.17			DANA SHRADER	USA 1:05.09
Finals Keena Rothhammer USA	1:05.24 2:12.72	DIANE ASHTON	G.BRITAIN 2:29.95	SEMI-FINA GALINA STEPANOVA	L.( USSR 1:15.89	EDELTRAUD KOCH Frieke Buys	W.GERMANY 1:05.29 Holland 1:06.89
3:19.84	4:27.41 5:34.56	HEAT 2		AGNES KISSNE-KACZANDER	HUNGARY 1:16.34	MARGRIT THOMET	SWITZERLND1:07.28 IRELAND 1:08.52
6:40.58	7:47.04 WA8:53.68	SUSTE ATWOOD DEBORAH PALMER	USA 2:22.13 AUSTRALIA 2:24.25	ODROTHY HARRISON VERENA EBERLE	G.BRITAIN 1:16.53 W.GERMANY 1:16.76	BRENDA MCGRORY Donatella Talpo	IRELAND 1:08.52
SHANE GOULD A'LIA	4:27.34 5:35.30	SUSANNE HILGER	E.GERMANY 2:27.88	RENATE VOGEL	E.GERMANY 1:16.87	SUSAN SMITH	CANADA 1:09.38
6:42.51	7:50.25 ACB:56.39 1:04.15 2:11.01	SUSAN HUNTER Kikuyo Ishii	N.ZEALAND 2:28.28 JAPAN 2:29.66	ERIKA RUEGG CHRISTINE JARVIS	SWITZERLNDI: 17.50 G.BRITAIN I: 17.58	NORMA AMEZCUA	Max100 1:12.23
Novella Calligaris ITA 3:18.65	4:26.67 5:34.51	ZDENKA GASPARAC	YUGOSLAVIA2:33.57	EVA KISS	HUNGARY 1:17.59	HEAT 2	11
6:42.22 Ann Simmons USA	7:50.33 *E8:57.46 1:04.92 2:11.80	CHRISTINE FULCHER CHAN PATRICIA LI YIN	IRELAND 2:33.73 SINGAPORE 2:41.27	SEMI-FINA	ıL 2	ANDREA GYARMATI Roswitha Beier	Hungary 1:04.91 E.Germany 1:04.34
3:19.32				CATHERINE CARR	USA 1:15.00	EVA WIKNER	Sweden 1:06.70
	4:27.28 5:35.63						11900 1-07 44
6:43.62	7:51.24 8:57.62	HEAT 3	CANADA 2:25.08	JUDY MELICK	USA 1:16.22 AUSTRALIA 1:16.26	IRINA USTIMENKO AURORA CHAMORRO	USSR 1:07.44 Spain 1:08.39
6:43.62 Gudrun Wegner E.Germ 3:20.15	7:51.24 8:57.62 1:05.62 2:12.79 4:27.90 5:35.86	LESLIE CLIFF KARIN BORMANN	W.GERMANY 2:25.59	JUDY MELICK Beverley Whitfield Britt-Marie Smedh	AUSTRALIA 1:16.26 SWEDEN 1:16.67	AURORA CHAMORRO LESLIE CLIFF	SPAIN 1:08.39 CANADA 1:09.29
GUDRUN WEGNER E.GERM 3:20.15 6:44.37	7:51.24 8:57.62 1:05.62 2:12.79 4:27.90 5:35.86 7:52.98 *8:58.89	LESLIE CLIFF Karin Bormann Lynn Skrifvars		JUDY MELICK BEVERLEY WHITFIELD BRITT-MARIE SMEDH LIUCMILA PORUBAIKO	AUSTRALIA 1:16.26 SWEDEN 1:16.67 USSR 1:16.85	AURORA CHAMORRO	SPAIN 1:08.39
GUORUN WEGNER E.GERM 3:20.15 6:44.37 Jo Harshbarger USA 3:20.19	7:51.24 8:57.62 1:05.62 2:12.79 4:27.90 5:35.86 7:52.98 8:58.89 1:04.91 2:12.28 4:28.34 5:36.51	LESLIE CLIFF KARIN BORMANN LYNN SKRIFVARS DEBRA CAIN JOSIEN ELZERMAN	W.GERMANY 2:25.59 USA 2:26.4 c AUSTRALIA 2:27.14 HDLLAND 2:28.18	JUDY MELICK BEVERLEY WHITFIELD BRITT-MARIE SMEDH LIUCMILA PORUBAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA	AUSTRALIA 1:16.26 SWEDEN 1:16.67 USSR 1:16.85 SWEDEN 1:17.54 USSR 1:19.37	AURORA CHAMORRO LESLIE CLIFF YUE-YUN HSU HEAT 3	SPAIN 1:08.39 CANADA 1:09.29 CHINA 1:11.67
GUDRUN WEGNER E.GERM 3:20.15 6:44.37 Jo Harshbarger USA 3:20.19 6:45.01	7:51.24 8:57.62 1:05.62 2:12.79 4:27.90 5:35.86 7:52.98 8:58.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21	LESLIE CLIFF KARIN BORMANN LYNN SKRIFVARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA	W.GERMANY 2:25.59 USA 2:26.40 AUSTRALIA 2:27.14	JUDY MELICK BEVERLEY WHITFIELD BRITT-MARIE SMEDH LIUCMILA PORUBAIKO JEANETTE PETTERSSON	AUSTRALIA 1:16.26 SWEDEN 1:16.67 USSR 1:16.85 SWEDEN 1:17.54	AURORA CHAMORRO LESCIE CLIFF YUE-YUN HSU	SPAIN 1:08.39 CANADA 1:09.29
GUDRUN WEGNER E.GERM 3:20.15 6:44.37 JO HARSHBARGER USA 3:20.19 6:45.01 HANSJE BUNSCHOTEN HOLL	7:51.24 8:57.62 1:05.62 2:12.79 4:27.90 5:35.86 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31	LESLIE CLIFF KARIN BORMANN LYNN SKRIFYARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA FELICIA OSPITALETCHE	W.GERMANY 2:25.59 USA 2:26.40 AUSTRALIA 2:27.14 HDLLAND 2:28.18 JAPAN 2:30.37	JUDY MELICK BEVERLEY WHITFIELD BRITT-MY-RIE SMEDH LIUCHILA PORUBAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER FINALS	AUSTRALIA 1:16.25 SWEDEN 1:16.67 USSR 1:16.85 SWEDEN 1:17.54 USSR 1:19.37 E.GERMANY 1:20.03	AURORA CHAMORRO LESLIE CLIFF YUE-YUN HSU  HEAT 3 DEENA OEARDURFF ROSEMANIE KOTHER NORIKO ASANO	SPAIN 1:08.39 CANADA 1:09.29 CHINA 1:11.67 USA 1:04.80 E.GERM. 1:04.83 JAPAN 1:04.97
GUDRUN WEGNER E.GERM 3:20.15 6:44.37 JO HARSHBARGER USA 3:20.19 6:45.01 HANSJE BUNSCHOTEN HOLL 3:22.52 6:55.71	7:51.24 8:57.62 1:05.62 2:12.79 4:27.90 5:35.86 7:52.98 *8:58.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31 8:07.36 *9:16.69	LESLIE CLIFF KARIN BORMANN LYNN SKRIFVARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA FELICIA OSPITALETCHE  HEAT 4	W.GERMANY 2:25.59 USA 2:26.40 AUSTRALIA 2:27.14 HDLLAND 2:28.18 JAPAN 2:30.37	JUDY MELICK BEVERLEY MITTIELD BRITT-MIRIE SMEDH LIUCHILA PORUSAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  FINALS CATHERINE CARR USA	AUSTRALIA 1:16.26 SWEDEN 1:16.67 USSR 1:16.85 SWEDEN 1:17.54 USSR 1:19.37 E.GERMANY 1:20.03	AURORA CHAMORRO LESLIE CLIFF YUE-YUN HSU  HEAT 3 DEENA OEARDURFF ROSEMARIE KOTHER NORIKO ASANO SUE FUNCH	SPAIN 1:08.39 CANADA 1:09.29 CHINA 1:11.67 USA 1:04.80 E.GERM. 1:04.83
GUDRUN WEGNER E.GERM 3:20.15 6:44.37 JO HARSHBARGER USA 3:20.19 6:45.01 HANSJE BUNSCHOTTEN HOLL 3:22.52 6:55.71 NARELLE MORAS A*LIA 3:26.18	7:51.24 8:57.62 1:05.62 2:12.79 4:27.90 5:35.86 7:52.98 8:58.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31 8:07.36 9:16.69 1:06.67 2:16.10	LESLIE CLIFF KARIN BORMANN LYNN SKRIFVARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA FELICIA OSPITALETCHE  HEAT 4 ENITH BRIGITHA OONNA MARIE GURR	W.GERMANY 2:25.59 USA 2:26.40 AUSTRALIA 2:27.14 HDLLAND 2:28.18 JAPAN 2:30.37 URUGUAY 2:37.88	JUDY MELICK BEVERLEY WHITFIELD BEAITT-MIRIE SMEDH LIUCHILA PORUBAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  CATHERINE CAR USA GALINA STEPANOVA USSR GRILINA STEPANOVA USSR BEVERLEY WHITFIELDA <sup>1</sup> LIA	AUSTRALIA 1:16,26 SWEDEN 1:16,87 USSR 1:16,85 SWEDEN 1:17,54 USSR 1:19,37 E.GERMANY 1:20,03 35,00 AW1:13,58 35,51 *E1:14,99 36,14 *C1:15,73	AURORA CHAMORRO LESLIE CLIF YUE-YUN HSU  HEAT 3 DEENA CEARDURFF ROSEMANIE KOTHER NORIKO ASANO SUE FUNCH JEAN JEAVONS VERA FAITLOVA	SPAIN 1:08.39 CANADA 1:09.29 CHINA 1:11.67  USA 1:04.80 E.GERH. 1:04.83 JAPAN 1:04.97 A*LIA 1:07.51 G.BRITAIN 1:07.64 CZECHO. 1:08.18
GUDRUN WEGNER E.GERM 3:20.15 6:44.37 JO HARSHBARGER USA 3:20.19 6:45.01 HANSJE BUNSCHOTEN HOLL 3:22.52 6:55.71 NARELLE MORAS A*11A	7:51.24 8:57.62 1:05.62 2:12.79 4:27.90 5:35.86 7:52.98 8:58.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31 8:07.36 9:16.69 1:06.67 2:16.10	LESLIE CLIFF KARIN BORMANN LYNN SKRIFVARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA FELICIA OSPITALETCHE  HEAT 4 ENITH BRIGITHA CONNA MARIE GURR SYLVIE LENOACH	W.GERMANY 2:25.59 USA 2:26.40 AUSTRALIA 2:27.14 HOLLAND 2:30.37 URUGUAY 2:37.88	JUDY MELICK BEVERLEY WHITFIELD BRITT-M'RIE SMEDH LIUCHILA PORUSAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  FINALS CATHERINE CARR USA GALINA STEPANOVA USSR BEVERLEY WHITFIELDA'LIA AGNES KISSWE-KACZAMOLIA	AUSTRALIA 1:16,26 SWEDEN 1:16,67 USSR 1:16,85 SWEDEN 1:17,54 USR 1:19,37 E.GERMANY 1:20.03  35.00 AWI:13.58 35.51 *EI:14,99 36.14 *CI:15.73 HUN35.93 *1:16,26	AURORA CHAMORRO LESLIE CLIFF YUE-YUN HSU  HEAT 3 DEENA OEARDURFF ROSEMARIE KOTHER NORIKO ÁSANO SUE FUNCH JEAN JEAVONS	SPAIN 1:08.39 CANADA 1:09.29 CHINA 1:11.67 USA 1:04.80 E.GERM. 1:04.83 JAPAN 1:04.97 A*LIA 1:07.56 G.BRITAIN 1:07.64
GUDRUN WEGNER E.GERM 3:20.15 6:44.37 JO HARSHBARGER USA 3:20.19 6:45.01 HANSJE BUNSCHOTTEN HOLL 3:22.52 6:55.71 NARELLE MORAS A*LIA 3:26.18	7:51.24 8:57.62 1:05.62 2:12.79 4:27.90 5:35.86 7:52.98 8:558.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31 8:07.36 9:15.69 1:06.67 2:16.60 1:06.67 2:16.10 4:36.97 5:47.66 8:10.04 9:19.06	LESLIE CLIFF KARIN BORMANN LYNN SKRIFVARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA FELICIA OSPITALETCHE  HEAT 4 CONNA MARIE GURR SYLVIE LENOACH TINATIN LEKVEISHVILI SUSANNE NIESNER	W.GERMANY 2:25.59 USA 2:26.4 AUSTRALIA 2:27.14 H3LLAND 2:28.18 JAPAN 2:30.37 URUGUAY 2:37.88  HOLLAND 2:23.70 CANADA 2:25.33 FRANCE 2:27.18 USSR 2:25.22 SWITZERMOZ:28.62	JUDY MELICK EVERLEY MATTFIELD ENITT-MARIE SMEDH LIUCHILA PORUBAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  CATHERINE CARR USA GALINA STEPANOVA USSR EVERLEY WHITFIELDA'LIA AGNES KISSNE-KACZANDER JJOY MELICK VERENA ESERLE W. GEF	AUSTRALIA 1:16,26 SWEDEN 1:16,87 USSR 1:16,85 SWEDEN 1:17,54 USSR 1:19,37 E.GERMANY 1:20,03  35,00 AW1:13,58 35,51 *E1:14,99 36,14 *C1:15,73 HUN35,93 *1:16,26 35,41 1:16,34 HM 35,52 *1:17,16	AURORA CHAMORRO LESLIE CLIFF YUE-YUN HSU  HEAT 3 DEENA OEARDURFF ROSEMARIE KOTHER NORIKO ASANO SUE FUNCH JEAN JEAVONS VERA FAITLOVA CHIN JOO TAY SUSANA SAXLUND	SPAIN 1:08.39 CAMADA 1:09.29 CHIMA 1:11.67 USA 1:04.80 E.GERM. 1:04.83 JAPAN 1:04.97 A'LIA 1:07.51 G.BRITAIN 1:07.64 CZECMO. 1:08.18 SINGAPORE 1:10.92
GUDRUN WEGNER E.GERM 3:20.15 6:44.37 JO HARSHBARGER USA 3:20.19 6:45.01 HANSJE BUNSCHOTEN HOLL 3:22.52 6:55.71 NARELLE MORAS A'LIA 3:26.18 6:59.17	7:51.24 8:57.62 1:05.62 2:12.79 1:05.98 8:58.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31 8:07.36 9:01.69 1:06.67 2:16.10 4:36.97 5:47.66 8:10.04 9:19.06	LESLIE CLIFF KARIN BORMANN LYNN SKRIFVARS DEBRA CAIN JOSIEN ELZERMAN KAZU FJJIMDRA FELICIA OSPITALETCHE HEAT 4 ENITH BRIGITHA OONNA MARIE GURR SYLVIE LENOACH TINATIN LEKVEISHVILI SUSANNE NIESNER PAMELA BAIRSTOW	W.GERMANY 2:25.59 USA 2:26.4c AUSTRALIA 2:27.14 HOLLAND 2:28.18 JAPAN 2:30.37 URUSUAY 2:37.88  HOLLAND 2:23.70 CANADA 2:25.33 FRANCE 2:27.18 USSR 2:28.22 SMITZERLND2:28.62 G.BRITAIN 2:29.28	JUDY MELICK BEVERLEY WHITFIELD BRITT-MIRE SMEDH LIUCHILA PORUBAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  FINALS CATHERINE CARR USA GALINA STEPANOVA USSR BEVERLEY WHITFIELDA LIA AONES KISSNE-KACZANDER JJDY MELICK USA VERENA EBERLE W. GER BRITT-MARIE SMEDH SMEDI	AUSTRALIA 1:16.26 SWEDEN 1:16.67 USSR 1:16.85 SWEDEN 1:17.54 USR 1:19.37 E.GERMANY 1:20.03  35.00 AWI:13.58 35.51 *EI:14.99 4.36.14 *CI:15.73 HUN35.93 *1:16.26 35.41 1:16.34 HN 36.52 *1:17.16 N 35.70 *1:17.16	AURORA CHAMORRO LESLIE CLIFF YUE-YUN HSU  HEAT 3 DEENA OEARDURFF ROSEMARIE KOTHER NORIKO ASANO SUE FUNCH JEAN JEAVONS VERA FAITLOVA CHIN JOO TAY	SPAIN 1:08.39 CANADA 1:09.29 CHINA 1:11.67  USA 1:04.80 E.GERM. 1:04.83 JAPAN 1:07.51 G.BRITAIN 1:07.54 CZECMO. 1:08.18 SINCAPORE 1:10.92 URUGUAY 1:11.90  JAPAN 1:04.00
GUDRUN WEGNER E.GERM 3:20.15 6:44.37  JO HARSHBARGER USA 3:20.19 6:45.01  HANSJE BUNSCHOTTEN HOLL 3:22.52 6:55.71  NARELLE MORAS A*LIA 3:26.18 6:59.17  100 METER BA  MELISSA BELOTE TINATIN LEKVEISHVILI	7:51.24 8:57.62 1:05.62 2:12.79 1:05.62 2:12.79 1:05.98 8:558.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31 8:07.36 9:16.60 1:06.67 2:16.10 4:38.97 5:47.66 8:10.04 9:19.06  CKSTROKE 1 USA 1:06.60 USSR 1:07.84	LESLIE CLIFF KARIN BORMANN LYNN SKRIFVARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA FELICIA OSPITALETCHE  HEAT 4 CONNA MARIE GURR SYLVIE LENOACH TINATIN LEKVEISHVILI SUSANNE NIESNER	W.GERMANY 2:25.59 USA 2:26.4c AUSTRALIA 2:27.14 HOLLAND 2:28.18 JAPAN 2:30.37 URUSUAY 2:37.06 HOLLAND 2:23.70 CANADA 2:25.33 FRANCE 2:27.18 USSR 2:28.62 G.BRITAIN 2:29.28	JUDY MELICK EEVERLEY WHITFIELD ERITT-M'RIE SMEDH LIUCHILA PORUSAIKO JEANETIE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  CATHERINE CARR USA GALINA STEPANOVA USSR EEVERLEY WHITFIELDA'LIA AGNES KISSNE-KACZANDER JJDY MELICK USA VERENA EBERLE W, GEF BAITT-M'ARRIE SMEDH SMEDE DOROTHY HARRISON G. FRI	AUSTRALIA 1:16,26 SWEDEN 1:16,87 USSR 1:16,85 SWEDEN 1:17,54 USSR 1:19,37 E.GERMANY 1:20,03  35,00 AWI:13,58 35,51 *E1:14,99 36,14 *C1:15,73 HUN35,93 *I:16,26 35,41 1:16,34 HM 35,570 *I:17,19 T. 36,48 1:17,49	AURORA CHAMORRO LESLIE CLIFF YUE-YUN HSU  HEAT 3 DEENA OEARDURFF ROSEMARIE KOTHER NORIKO ASANO SUE FUNCH JEAN JEAVONS VERA FAITLOVA CHIN JOO TAY SUSANA SAXLUND  HEAT 4 MAYUMI AOKI ELLIE OANIEL	SPAIN 1:08.39 CANADA 1:09.29 CHIMA 1:11.67  USA 1:04.80 E.GERM. 1:04.83 JAPAN 1:07.51 G.BRITAIN 1:07.64 CZECHO. 1:08.18 SINCAPORE 1:10.92 URUGUAY 1:11.90  JAPAN 1:04.00 USA 1:04.33
GUDRUN WEGNER E.GERM 3:20.15 6:44.37 JO HARSHBARGER USA 3:20.19 6:45.01 HANSJE BUNSCHOTEN HOLL 3:22.52 6:55.71 NARELLE MORAS A'11.0 6:59.17  100 METER BA MELISSA BELOTE TINATIN LEKYEISHYLLI MARIANKE VERMAAT	7:51.24 8:57.62 1:05.62 2:12.79 1:05.98 *8:58.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31 8:07.36 *9:16.69 1:06.67 2:16.10 4:36.97 5:47.66 8:10.04 9:19.06 CKSTROKE  USSR 1:06.60 USSR 1:07.84 HOLLAND 1:09.14	LESLIE CLIFF KARIN BORMANN LYNN SKRIFYARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA FELICIA OSPITALETCHE  HEAT 4 ENITH BRIGITHA OONNA MARIE GURR SVLVIE LENOACH TINATIN LEKVEISHVILI SUSANNE NIESNER PAMELA BAIRSTOW CCCILIA VARGAS	W.GERMANY   2:25.59   USA   2:26.40   AUSTRALIA 2:27.14   HDLLAND   2:28.18   JAPAN   2:30.37   URUGUAY   2:37.88    HOLLAND   2:25.33   FRANCE   2:27.18   USSR   2:22.22   SHITZERLND 2:28.62   G.BRITAIN   2:29.28   MEXICO   2:37.54	JUDY MELICK BEVERLEY WHITFIELD BRITT-MIRE SMEDH LIUCHILA PORUBAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  FINALS CATHERINE CARR USA GALINA STEPANOVA USSR BEVERLEY WHITFIELDA LIA AONES KISSNE-KACZANDER JJDY MELICK USA VERENA EBERLE W. GER BRITT-MARIE SMEDH SMEDI	AUSTRALIA 1:16.26 SWEDEN 1:16.87 USSR 1:16.85 SWEDEN 1:17.54 USSR 1:19.37 E.GERMANY 1:20.03 35.00 AW1:13.58 35.51 *E1:14.99 36.14 *C1:15.73 HUN35.93 *1:16.26 35.41 1:16.34 AM. 36.52 *1:17.16 EN 35.70 *1:17.19 IT. 36.48 1:17.49 SISTROKE	AURORA CHAMORRO LESLIE CLIFF YUE-YUN HSU  HEAT 3 DEENA OEARDURFF ROSEMARIE KOTHER NORIKO ASANO SUE FUNCH JEAN JEAVONS VERA FAITLOVA CHIN JOO TAY SUSANA SAXLUND  HEAT 4 MAYUMI AOKI ELLIE OANIEL GUDRUN BECKMANN HEIKE NAGEL	SPAIN 1:08.39 CANADA 1:09.29 CHINA 1:11.67  USA 1:04.80 E.GERH. 1:04.83 JAPAN 1:04.97 A'LIA 1:07.51 G.BRITAIN 1:07.64 CZECHO. 1:08.18 SINCAPORE 1:10.92 URUSUAY 1:11.90  JAPAN 1:04.33 W.GERMANY 1:05.26 W.GERMANY 1:05.26
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GUORUN WEGNER E.GERM 3:20.15 3:20.15 6:44.37 JO HARSHBARGER USA 3:20.19 6:45.01 HANSJE BUNSCHOTEN HOLL 3:22.52 6:55.71 NARELLE MORAS A'LIA 3:26.18 6:59.17  100 METER BA MELISA BELOTE TINATIN LEKVEISHVILI MARIANNE VERHAAT SUSANNE NIESNER KAZU FUJIHURA DIANE ASHTON  HEAT WENDY COOK SUE LEWIS DEBOORAH PALMER ANNEMARIE GROEN SUSAN HUNTER KIKUYO ISHII ILDIKO SZEKERES FELICIA ÖSPITALETCHE  CHRISTINE HERBST	7:51.24 8:57.62 1:05.62 2:12.79 1:05.62 2:12.79 1:05.62 2:12.79 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31 8:07.36 9:16.60 1:06.67 2:16.10 4:38.97 5:47.66 8:10.04 9:19.06  CKSTROKE 1 USA 1:06.60 USSR 1:07.84 HOLLAND 1:09.14 SWITZERLND 1:09.16 JAPAN 1:09.81 G_BRITAIN 1:10.90  2 CANADA 1:07.00 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 JAPAN 1:09.81 G_BRITAIN 1:10.00 JAPAN 1:10.40 JAPAN 1:00.88 JAPAN 1:00	LESLIE CLIFF KARIN BORMANN LYNN SKRIFYARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA FELICIA OSPITALETCHE  HEAT 4  ONNA MARIE GURR SYLVIE LENDACH TINATIN LEKVEISHVILI SUSANNE NIESNER PAMELA BAIRSTOW CCCILIA VARGAS ONG MEI-LIN  HEAT 5  MELISSA BELOTE CURSISTINE HERBST SUE LEWIS ANDREA GYARMATI NATALIA ERSHOVA ANGELIKA KRAUS PATRICIA LOPEZ-UNIZ DIANA SUTHERLAND  MELISSA BELOTE USA SUSIE ATWOOD USA  DONNA MARIE GURR CANAI ANNEGRET KOBER W.GE	W.GERMANY 2:25.59 USA 2:26.4 AUSTRALIA 2:27.14 HOLLAND 2:28.18 JAPAN 2:30.37 URUGUAY 2:37.88 HOLLAND 2:25.33 FRANCE 2:27.38 USSR 2:22.22 SMITZERLOE 2:37.54 MALAYSIA 2:26.58 E.GERMANY 2:35.64 USA 2:20.58 E.GERMANY 2:25.09 AUSTRALIA 2:25.34 HUNGARY 2:25.81 USSR 2:25.81 USSR 2:25.81 USSR 2:25.81 USSR 3:24.64 G.8RITAIN 2:25.34 HUNGARY 2:35.61 G.8RITAIN 2:33.41 G.8RITAIN 2:33.41 G.8RITAIN 2:37.65	JUDY MELICK EVERLEY WHITFIELD ENITT-MARIE SMEDH LIUCHILA PORUBAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  CATHERINE CARR USA GALINA STEPANOVA USSR BEVERLEY WHITFIELDA LIA AGNES KISSNE-KACZANDER JJOY MELICK USA VERINA BEBRLE W.GEF BAITT-MARIE SMEDH SMEDE DOROTHY HARRISON G.BRI  VERENA EBERLE SYLVIA LANGER TATIANA PRODNIKOVA PATRIZIA MISERINI YUE-MAN LII CRISTINA BASSANI TEIXEI  PAT BEAVAN ULRIKE KLES BRIGTT-MARIE SHE OH BARBARA MITCHELL -PAT BEAVAN ULRIKE KLES BRIGTTE SCHUCHARDT ANN O'CONNOR ROSE-MARIE PEPE	AUSTRALIA 1:16,26 SWEDEN 1:16,85 SWEDEN 1:17,54 USSR 1:19,37 E.GERMANY 1:20,03  35,00 AWI:13,58 35,51 *E1:14,99 35,14 *C1:15,73 HUN35,93 *1:16,26 35,41 *1:16,34 H. 36,52 *1:17,16 EN 35,70 *1:17,19 ITA 36,48 1:17,49  SISTROKE  W.GERMANY 2:49,68 USSR 2:50,79 ITALY 2:53,14 CHINA 3:04,74 ERABRAZIL 0Q2:57,03  SWEDEN 2:47,05 G.BRITAIN 2:47,42 W.GERMANY 2:50,48 E.GERMANY 2:50,48 E.GERMANY 2:50,48 E.GERMANY 2:53,04 CANADA 2:54,75	AURORA CHAMORRO LESLIE CLIFF YUE-YUN HSU  HEAT 3 DEENA OEARDURFF ROSEMARIE KOTHER NORIKO ASANO SUE FUNCH JEAN JEAVONS VERA FAITLOVA CHIN JOO TAY SUSANA SAXLUND  HEAT 4 MAYUMI AOKI ELLIE OANIEL GUDRUN BECKMANN HEINE NAGEL MARILLYN CORSON TUROCCI JUDIT KOR ACHNE ILEANA MORALES  SEMI-FI ANDREA GYARMATI ROSMITHA BEIER DANA SHRADER ROSEMARIE KOTHER EDELTRAUD KOCH FRIEKE BUYS MARILLYN CORSON IRINA USTIMENKO  SEMI-FI DEENA DEARDURFF MAYUMI AOKI ELLIE DANIEL	SPAIN 1:08.39 CANADA 1:09.29 CHINA 1:04.67  USA 1:04.60 E.GERM. 1:04.63 JAPAN 1:04.63 JAPAN 1:07.51 G.BRITAIN 1:07.64 CZECHO. 1:08.18 SINCAPORE 1:10.92 URUGUAY 1:11.90  JAPAN 1:04.33 W.GERMANY 1:05.26 CANADA 1:06.26 HUNCARY 1:05.27 VENEZUELA 1:10.37  VAL 1 HUNCARY W1:03.60 E.GERMANY 1:04.36 USA 1:04.54 E.GERMANY 1:04.56 E.GERMANY 1:05.20 HOLLAND 1:06.78 CANADA 1:06.78 CANADA 1:06.78 CANADA 1:06.78 CANADA 1:06.78 CANADA 1:06.78 CANADA 1:06.78 USA 1:03.97 JAPAN 1:04.25
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GUORUN WEGNER E.GERM 3:20.15 3:20.15 6:44.37 JO HARSHBARGER USA 3:20.19 6:45.01 HANSJE BUNSCHOTTN HOLL 3:22.52 6:55.71 NARELLE MORAS 3:26.18 6:59.17  100 METER BA MELISSA BELOTE TINATIN LEKVEISHVILI MARIANNE VERMART SUSANNE NIESNER KAZU FUJIHURA DIANE ASHTON  HEAT WENDY COOK SUE LEWIS DEBORAH PALMER ANNEMARIE GROEN SUSAN HUNTER KIKUYO ISHII ILDIKO SZEKERS FELICIA OSPITALETCHE  CHRISTINE HERBST SUSIE ĀTWOOD DEBRA CAIN SYLVIE LENOACH NATALIA ERSHOVA DIANA OLSSON	7:51.24 8:57.62 1:05.62 2:12.79 1:05.62 2:12.79 1:05.62 2:12.79 1:05.98 8:518.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 1:06.67 2:16.10 4:36.97 5:47.66 8:10.04 9:19.06  CKSTROKE  USA 1:06.60 USSR 1:07.84 HOLLAND 1:09.14 SWITZERLAND 1:09.81 G_BRITAIN 1:10.90  2 CANADA 1:07.00 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 AUSTRALIA 1:09.93 3 1:06.30 AUSTRALIA 1:10.00 JAPAN 1:09.95 N_ZEALAND 1:10.00 JAPAN 1:00.95 N_ZEALAND 1:00.95 N	LESLIE CLIFF KARIN BORMANN LYNN SKRIFYARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA FELICIA OSPITALETCHE  HEAT 4  ONNA MARIE GURR SVLVIE LENOACH TINATIN LEEVEISHVILI SUSANNE NIESNER PAMELA BAIRSTOW CCCILLA VARGAS ONG MEI-LIN  HEAT 5  MELISSA BELOTE CHRISTINE HERBST SUE LEWIS ANDREA GYARMATI NATALIA ERSHOVA ANGELIKA KRAUS DIANA SUTHERLAND  FINALS SUSIE ATWOOD USA DONNA MARIE GURR CANAI ANNEGRET KOBER W.GE CHRISTINE HERBST E.GE	W.GERMANY 2:25.59 USA 2:26.4 AUSTRALIA 2:27.14 HOLLAND 2:28.18 JAPAN 2:30.37 HOLLAND 2:23.7.88 HOLLAND 2:25.30 FRANCE 2:27.38 USSR 2:25.25 SMITZERLED 2:28.62 G.BRITAIN 2:29.28 MEXICO 2:37.54 MALAYSIA 2:25.34 HUNGARY 2:25.34 HUNGARY 2:25.34 HUNGARY 2:25.81 USSR 2:29.46 USA 2:20.58 E.GERMANY 2:25.81 USSR 2:25.81 USSR 2:25.81 USSR 3:21.16 ARGENTINA 2:33.41 G.8RITAIN 2:37.61	JUDY MELICK EVERLEY WHITFIELD ENITT-MARIE SMEDH LIUCHILA PORUBAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  CATHERINE CARR USA GALINA STEPANOVA USSR BEVERLEY WHITFIELDA LIA AGNES KISSNE-KACZANDER JJOY MELICK USA VERINA BEBRLE W.GEF BAITT-MARIE SMEDH SMEDE DOROTHY HARRISON G.BRI  VERENA EBERLE SYLVIA LANGER TATIANA PRODNIKOVA PATRIZIA MISERINI YUE-MAN LII CRISTINA BASSANI TEIXEI  PAT BEAVAN ULRIKE KLES BRIGTT-MARIE SHE OH BARBARA MITCHELL -PAT BEAVAN ULRIKE KLES BRIGTTE SCHUCHARDT ANN O'CONNOR ROSE-MARIE PEPE	AUSTRALIA 1:16,26  SWEDEN 1:16,26  SWEDEN 1:16,26  SWEDEN 1:17,54  USSR 1:19,37  E.GERMANY 1:20.03  35,51 *E1:14,99  35,51 *E1:14,99  35,14 *C1:15,73  HUN35,93 *1:16,26  35,41 *C1:15,73  HUN35,93 *1:16,26  35,41 *C1:17,16  F. 35,70 *1:17,19  STSTHOKE  M. GERMANY 2:46,17  E.GERMANY 2:49,68  USSR 2:50,79  ITALY 2:49,68  USSR 2:50,79  ITALY 2:53,14  CHINA 3:04,74  CHINA 3:04,74  CHINA 3:04,74  CHINA 2:53,04  CANADA 2:54,05  HUNGARY 2:43,03  HUNGARY 2:43,13  HUNGARY 2:43,13  HUNGARY 2:43,68  HOLLAND 2:43,68  HOLLAND 2:44,49  G.BRITAIN 2:53,04  CANADA 2:54,75	AURORA CHAMORRO LESLIE CLIF YUE-YUN HSU  HEAT 3 DEENA CEARDURFF ROSEMARIE KOTHER NORIKO ASANO SUE FUNCH JEAN JEAVONS VERA FAITLOVA CHIN JOO TAY SUSANA SAXLUND  HEAT 4 MAYUMI AOKI ELLIE OANIEL GUDRUN BECKMANN HFIKE NAGEL MARILYN CORSON TURGCZI JUDIT KORACHNE ILEANA MORALES  SEMI-FI ANDREA GYARMATI ROSMITHA BEIER DANA SHRADER ROSEMARIE KOTHER EDELTRAUD KOCH FRIEKE BUYS MARILYN CORSON IRINA USTIMENKO  SMI-FI DEENA DEARDURFF MAYUMI AOKI ELLIE DANIEL GUDRUN BECKMANN NORIKO ASANO HEIKE NAGEL	SPAIN 1:08.39 CANADA 1:09.26 CHINA 1:10.97 USA 1:04.80 E.GERM. 1:04.80 I.11.07.51 G.BRITAIN 1:07.54 CZECHO. 1:08.18 SINGAPORE 1:10.92 URUGUAY 1:11.99 JAPAN 1:04.00 USA 1:04.33 W.GERMANY 1:05.64 CANADA 1:05.64 USA 1:04.54 USA 1:04.54 USA 1:04.54 USA 1:04.56 USA 1:06.76 USSR 1:07.76 IAL 1 HUNGARY WI:03.80 E.GERMANY 1:05.20 HOLLAND 1:06.78 USSR 1:07.76 IAL 2 USA 1:03.97 JAPAN 1:04.51 USA 1:04.52 USA 1:04.52 USA 1:04.52 USA 1:04.52 USA 1:04.52 USA 1:04.52 USA 1:04.53 USA 1:04.53 USA 1:04.53 USA 1:04.53
GUDRUN WEGNER E.GERM 3:20.15 3:20.15 6:44.37  JO HARSHBARGER USA 3:20.19 6:45.01  HANSJE BUNSCHOTTN HOLL 3:22.52 6:55.71  NARELLE MORAS A'12.65 6:55.77  LOO METER BA MELISSA BELOTE TINATIN LEXVEISHVILI MARIANKE VERMAAT SUSANNE NIESNER KAZU FUJIHURA DIANE ASHTON  HEAT WENDY COOK SUE LEWIS DEBORAH FALMER ANWEMARIE GROEN SUSAN HUNTER KIKUYO ISHII LIDIKO SZEKERES FELICIA OSPITALETCHE  HEAT CHRISTINE HERBST SUSIE ATWOOD DEBRA CAIN SYLVIE LENOACH NATALIA ERSHOVA	7:51.24 8:57.62 1:05.62 2:12.79 4:27.90 5:35.86 7:52.98 *8:58.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31 8:07.36 9:16.60 1:06.67 2:16.10 4:36.97 5:47.66 6.67 2:16.10 4:36.97 5:47.66 CKSTROKE 1 USA 1:06.60 USSR 1:07.84 HOLLAND 1:09.16 JAPAN 1:09.81 G.BRITAIN 1:10.90 2 2 CANADA 1:09.81 G.BRITAIN 1:10.90 2 2 CANADA 1:08.06 AUSTRALIA 1:08.66 HOLLAND 1:09.55 N.ZEALAND 1:10.06 JAPAN 1:09.81 G.BRITAIN 1:10.99 3 3 E.GERMANY 1:07.96 USA 1:08.30 AUSTRALIA 1:08.81 HOLLAND 1:07.96 USA 1:08.30 AUSTRALIA 1:08.81 FRANCE 1:09.25 USR 1:09.26 USR 1:09.26	LESLIE CLIFF KARIN BORMANN LYNN SKRIFYARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIHURA FELICIA OSPITALETCHE  HEAT 4  ENITH BRIGITHA OONNA MARIE GURR SYLVIE LENOACH TINATIN LEXYEISHVILI SUSANNE NIESNER PAMELA BAIRSTOW CCCILIA VARGAS ONG MEI-LIN  HEAT 5  MELISSA BELOTE CURISTINE HERBST SUE LEWIS ANDREA GYARMATI NATALIA ERSHOVA ANGELIKA KRAUS PATRICIA LOPEZ-UNIZ DIANA SUTHERLAND  FINALS SUSIE ATWOOD USA DONNA MARIE GURR CANAI ANNEGRET KOBER W.GE CHRISTINE HERBST E.GE	W.GERMANY 2:25.59 USA 2:26.4 AUSTRALIA 2:27.14 H3LLAND 2:28.18 JAPAN 2:30.37 URUGUAY 2:37.88  H0LLAND 2:23.70 CANADA 2:25.33 FRANCE 2:27.18 USA 2:28.22 SMITZERLND 2:28.22 SMITZERLND 2:29.28 PEXICO 2:37.54 MALAYSIA 2:26.40  USA 2:20.58 E.GERMANY 2:25.09 AUSTRALIA 2:25.34 HUNGARY 2:25.81 USSR 2:29.46 W.GERMANY 2:37.61  32.11 1:05.59 1:42.55 WA2:19.19 33.01 1:08.04 1:44.37 2:20.38 DA 32.97 1:09.23 1:45.89 2:23.76 DA 32.97 1:09.23 1:45.89 2:23.24 M. 32.41 1:08.73 1:46.27 =E2:23.35 M 32.51 1:09.24 M 32.51 1:09.23 1:45.89 2:23.44 M 32.51 1:09.23	JUDY MELICK BEVERLEY WHITFIELD BRITT-MARIE SMEDH LIUCHHLA PORUSAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  CATHERINE CARR USA GALINA STEPANOVA USSR BEVERLEY WHITFIELDA'LIA AGNES KISSNE-KACZANDER JJOY MELICK USA VERENA ESERLE W. GEF BRITT-MARIE SHEDH SMEDE DOROTHY HARRISON G.BRI VERENA ESERLE SYLVIA LANGER TATIANA PRODNIKOVA PATRIZIA MISERINI YUE-MAN LII CRISTINA BASSANI TEIXEI  CRISTINA BASSANI TEIXEI  HEAT 2 BRITT-MARIE SHE DH BARBARA MITCHELL PAT BEAVAN ULRIKE KLEES BRIGITTE SCHUCHARDT ANN O'CONNOR ROSE-MARIE PEPE  HEAT 3 AGNES KISSNE-KACZANDER EVA KISS ALIETE RIET ARANDA RODANGE MARY JOANNIOO	AUSTRALIA 1:16,26 SWEDEN 1:16,26 SWEDEN 1:16,67 SWEDEN 1:17,54 USSR 1:19,37 S.51 S.51 -E1:14,99 S.51 -E1:14,99 S.614 -C1:15,73 HUN35,93 -1:16,26 S.541 :16,26 S.541 :16,26 S.541 :16,26 S.541 :16,26 S.541 :17,16 S.552 -1:17,16 S.552 -1:17,16 S.552 -1:17,16 S.553 -1:17,16 S.553 -1:17,16 S.553 -1:17,16 S.554 -1:17,16 S.555	AURORA CHAMORRO LESLIE CLIFE TUE-YUN MSU  HEAT 3 DEENA OEARDURFF ROSEHARIE KOTHER NORIKO ASANO SUE FUNCH JEAN JEAVONS VERA FAITLOVA CHIN JOO TAY SUSANA SAXLUND  HEAT 4 MAYUMI AOKI ELLIE OANIEL GUDRUN BECKMANN MEIKE NAGEL MARILLYN CORSON TUROCZI JUDIT KORACHNE ILEANA MORALES  SEMI-FI ANDREA GYARHATI ROSMITHA BEIER DANA SKRADER ROSEMABIE KOTHER EDELTRAUD KOCH FRIEKE BUYS MARILYN CORSON IRINA USTIMENKO  SEMI-FI DEENA DEARDURFF MAYUMI AOKI ELLIE DANIEL GUDRUN BECKMANN NORIKO ASANO HEIKE NAGEL HER MAGGEL MARGRIT THOMET.	SPAIN 1:08.39 CANADA 1:09.29 CHINA 1:10.57 CHINA 1:10.57  USA 1:04.80 E.GERM. 1:04.87 A'LLIA 1:07.51 G.BRITAIN 1:07.56 G.BRITAIN 1:07.51 G.BRITAIN 1:07.51 G.BRITAIN 1:07.51 G.BRITAIN 1:08.18 SINGAPORE 1:10.92 URUGUAY 1:11.90  JAPAN 1:04.00 USA 1:04.33 W.G.GERMANY 1:05.26 W.G.GERMANY 1:05.64 CANADA 1:05.20 W.G.GERMANY 1:05.64 CANADA 1:06.26 W.G.GERMANY 1:05.64 CANADA 1:06.78 USA 1:04.54 E.G.GERMANY 1:05.20 HOLLAND 1:05.78 USA 1:05.76  VERTUELA 1:05.78  USA 1:05.76  VAL 2 USA 1:05.76  VAL 2 USA 1:04.53 W.G.GERMANY 1:04.53 USA 1:06.57 USSR 1:07.76  VAL 2 USA 1:05.78 USA 1:04.54 W.G.GERMANY 1:04.53 USA 1:04.54 W.G.GERMANY 1:05.78 USA 1:05.78  W.G.GERMANY 1:04.53 W.G.GERMANY 1:04.53 W.G.GERMANY 1:04.53 W.G.GERMANY 1:04.53 W.G.GERMANY 1:04.53 W.G.GERMANY 1:04.53 W.G.GERMANY 1:05.53 W.G.GERMANY 1:06.53
GUORUN WEGNER E.GERM 3:20.15 5:44.37 JO HARSHBARGER USA 3:20.15 6:45.01 HANSJE BUNSCHOTEN HOLL 3:22.52 6:55.71 NARELLE MORAS A'1.0 6:59.17  100 METER BA MELISSA BELOTE TINATIN LEKYEISHVILI MARIANNE VERHAAT SUSANNE NIESNER KAZU FUJIHURA DIANE ASHTON  HEAT WENDY COOK SUE LEWIS DEBORAN PALMER ANNEMARIE GROEN SUSAN HUNTER KIKUYO 15HII ILDIKO SZEKERES FELICIA ÖSPITALETCHE  HEAT SUSAN HUNTER KIKUYO 15HII ILDIKO SZEKERES FELICIA ÖSPITALETCHE  HEAT SUSAN HUNTER KIKUYO 15HII ILDIKO SZEKERES FELICIA ÖSPITALETCHE  HEAT SUSIE ĀTWOOD DEBRA CAIN SYLVIE LENOACH NATALIA ERSHOVA DIANA OLSONO CHRISTINE FULCHER	7:51.24 8:57.62 1:05.62 2:12.79 1:05.62 2:12.79 1:05.62 2:12.79 1:05.62 3:35.86 7:52.98 *8:58.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 9:01.21 1:05.04 2:12.80 4:33.42 5:44.31 8:07.36 9:16.60 1:06.67 2:16.10 4:36.97 5:47.66 8:10.04 9:19.06  CKSTROKE 1 USA 1:06.60 USSR 1:07.84 HOLLAND 1:09.14 SWITZERLEND:09.16 JAPAN 1:09.81 G.BRITAIN 1:10.90 2 CANADA 1:08.06 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 AUSTRALIA 1:08.06 USA 1:08.07 N.ZEALAND 1:10.06 JAPAN 1:09.81 CRIMANY 1:13.99 3 E.GEHMANY 1:10.99 2 URUGUAY 1:13.99 3 E.GEHMANY 1:09.26 USSR 1:09.26 SWEDEN 1:09.26	LESLIE CLIFF KARIN BORMANN LYNN SKRIFYARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIMURA FELICIA OSPITALETCHE  HEAT 4 ENITH BRIGITHA OONNA MARIE GURR SYLVIE LENOACH TINATIN LEKVEISHVILI SUSANNE NIESNER PAMELA BAIRSTOW CCOLLIA VARGAS ONG MEI-LIN  HEAT 5 CHRISTINE HERBST SUE LEWIS ANDREA GYARMATI NATALIA ERSHOVA ANGELIKA KRAUS PATRICIA LOPEZ-UNIZ DIANA SUTHERLAND  FINALS SUSIE ATMOOD USA DONNA MARIE GURR ANNEGRET KOBER USA CHRISTINE HERBST E.GE ENITH BRIGITHA HOLL OEBORAH PALHER A'LI	W.GERMANY 2:25.59 USA 2:26.4 AUSTRALIA 2:27.14 HOLLAND 2:28.18 JAPAN 2:30.37 HOLLAND 2:23.70 CANADA 2:25.33 FRANCE 2:27.18 USSR 2:22.22 SMITZERLED 2:28.62 G.BRITAIN 2:29.28 MEXICO 2:37.54 MALAYSIA 2:25.39 HOLLAND 2:28.62 USA 2:25.50 AUSTRALIA 2:25.09 AUSTRALIA 2:25.09 AUSTRALIA 2:25.09 AUSTRALIA 2:25.09 AUSTRALIA 2:25.09 AUSTRALIA 2:25.09 AUSTRALIA 2:33.41 G.BRITAIN 2:33.41 G.BRITAIN 2:33.41 G.BRITAIN 2:37.61	JUDY MELICK EVERLEY WHITFIELD ENITT-MIRIE SMEDH LIUCHILA PORUSAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  CATHERINE CARR USA GALINA STEPANOVA USSR EVERLEY WHITFIELDA'LLIA AGNES KISSNE-KACZANDER JOY MELICK USA VERENA EBERLE W.GEF BAITT-MARIE SMEDH SMEDE DOROTHY HARRISON G.BRI VERENA EBERLE SYLVIA LANGER TATIANA PROMINGVA PATRIZIA MISERINI YUE-SMAN LII CRISTIT-MARIE SSE OH BARBARA MITCHELL -PAT BEAVAN ULRIKE KLEES BRIGITTE SCHUCHARDT ANN O'CONNOR ROSE-MARIE PEPE  HEAT 3  AGNES KISSNE-KACZANDER EVA KISS ALIETE RIET AMANDA RADNAGE	AUSTRALIA 1:16,26  SWEDEN 1:16,26  SWEDEN 1:16,26  SWEDEN 1:17,54  USSR 1:19,37  E.GERMANY 1:20.03  35,51 *E1:14,99  35,51 *E1:14,99  35,14 *C1:15,73  HUN35,93 *1:16,26  35,41 *C1:15,73  HUN35,93 *1:16,26  35,41 *C1:17,16  F. 35,70 *1:17,19  STSTHOKE  M. GERMANY 2:46,17  E.GERMANY 2:49,68  USSR 2:50,79  ITALY 2:49,68  USSR 2:50,79  ITALY 2:53,14  CHINA 3:04,74  CHINA 3:04,74  CHINA 3:04,74  CHINA 2:53,04  CANADA 2:54,05  HUNGARY 2:43,03  HUNGARY 2:43,13  HUNGARY 2:43,13  HUNGARY 2:43,68  HOLLAND 2:43,68  HOLLAND 2:44,49  G.BRITAIN 2:53,04  CANADA 2:54,75	AURORA CHAMORRO LESLIE CLIFE YUE-YUN MSU  DEENA CEARDURFF ROSEMARIE KOTHER NORIKO ASANO SUE FUNCH JEAN JEAVONS VERA FAITLOVA CHIN JOO TAY SUSANA SAXLUND  HEAT 4 MAYUMI AOKI ELLIE OANIEL GUDRUN BECKMANN MEIKE NAGEL MARILYN CORSON TUROCZI JUDIT KORACHNE ILEANA MORALES  ANDREA GYARMATI ROSMITHA BEIER DANA SHRADER ROSEMARIE KOTHER EDELTRAUD KOCH FRIEKE BUYS MARILYN CORSON IRINA USTIMENKO  DEENA DEARDURFF MAYUMI AOKI ELLIE DANIEL GUDRUN BECKMANN NORIKO ASANO HEIKE NAGEL MARGEI MARGEI MARGEI TINOMET EVA WIKNER	SPAIN 1:08.39 CANADA 1:09.29 CHIMA 1:10.97  USA 1:04.80 E.GERM. 1:04.87 A'LIA 1:07.51 G.BRITAIN 1:07.54 CZECMO. 1:08.18 SIMCAPORE 1:10.92 URUGUAY 1:11.90 JAPAN 1:04.00 USA 1:04.30 W.GERHANY 1:05.64 CANADA 1:06.26 W.GERHANY 1:05.64 CANADA 1:04.37  VENEZUELA 1:10.37  IAL 1 HUNGARY W1:03.80 E.GERHANY 1:05.64 CANADA 1:04.36 USA 1:04.54 E.GERHANY 1:05.20 HOLLAND 1:06.78 USA 1:04.54 W.GERHANY 1:05.20 HOLLAND 1:06.78 USA 1:04.55 W.GERHANY 1:05.53 W.GERHANY 1:05.53 W.GERHANY 1:05.53
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GUORUN WEGNER E.GERM 3:20.15 3:20.15 6:44.37 JO HARSHBARGER USA 3:20.19 6:45.01 HANSJE BUNSCHOTTEN HOLL 3:22.52 6:55.71 NARELLE MORAS A'1.0  100 METER 8A HEAT MELISSA BELOTE TINATIN LEKVEISHVILI MARIANNE VERMAAT SUSANWE NIESNER KAZU FUJIHURA DIANE ASHTON HEAT WENDY COOK SUE LEWIS DEBORAH PALMER ANWEMARIE GROEN SUSAN HUNTER KIKUYO ISHII ILDIKO SZEKERES FELICIA OSPITALETCHE HEAT CHRISTINE HERBST SUSIE ATWOOD DEBRA CAIN SYLVIE LENDACH NATALIA ERSHOVA DIANA OLSSON CHRISTINE FULCHER DIANA OLSSON	7:51.24 8:57.62 1:05.62 2:12.79 1:05.62 2:12.79 1:05.62 2:12.79 1:05.98 8:558.89 1:04.91 2:12.28 4:28.34 5:36.51 7:53.43 5:06.51 7:53.43 5:06.51 7:53.43 5:06.51 7:53.43 5:06.51 7:53.43 5:06.51 7:53.43 5:06.51 1:05.04 2:12.80 4:33.42 5:44.31 8:07.05 1:06.67 2:16.10 4:36.97 2:16.10 4:36.97 5:47.66 USSR 1:07.84 HOLLAND 1:09.16 SWITZERLND 1:09.16 SWITZERLND 1:09.81 G.BRITAIN 1:10.90 2 CANADA 1:09.81 G.BRITAIN 1:10.90 2 CANADA 1:07.00 AUSTRALIA 1:08.86 HOLLAND 1:09.55 N.ZEALAND 1:10.63 JAPAN 1:09.55 N.ZEALAND 1:10.60 URUGUAY 1:13.99 3 E.GERMANY 1:07.96 USA 1:09.25 USSR 1:09.26 USSR 1:09.26 SWEDEN 1:09.86 FRANCE 1:09.25 USSR 1:09.26 SWEDEN 1:09.86 FRANCE 1:09.25 USSR 1:09.26 HUBGARY 1:06.56 HULLAND 1:10.63 G.BRITAIN 1:10.63 G.BRITAIN 1:10.63 G.BRITAIN 1:10.63 G.BRITAIN 1:10.63	LESLIE CLIFF KARIN BORMANN LYNN SKRIFYARS DEBRA CAIN JOSIEN ELZERMAN KAZU FUJIHURA FELICIA OSPITALETCHE  HEAT 4  ENITH BRIGITHA OONNA MARIE GURR SYLVIE LENOACH TINATIN LEXYEISHYLI SUSANNE NIESNER PAMELA BAIRSTOW CCCILIA VARGAS ONG MEI-LIN  HEAT 5  MELISSA BELOTE CHRISTINE HERBST SUE LEWIS SAUDREA GYARMATI NATALIA ERSHOVA ANGELIKA KRAUS PATRICIA LOPEZ-UNIZ DIANA SUTHERLAND  FINALS SUSIE ATWOOD USA DONNA MARIE GURR ANNEGRET KOBER W.GE CHRISTINE HERBST E.GE ENITH BRIGITHA HOLL OEBORAH PALMER A'LI LESLIE CLIFF CANA	W.GERMANY 2:25.59 USA 2:26.4 AUSTRALIA 2:27.14 H3LLAND 2:28.18 JAPAN 2:30.37 URUGUAY 2:37.88  H0LLAND 2:23.70 CANADA 2:25.33 FRANCE 2:27.18 USSR 2:22.22 SWITZERLND 2:28.62 G.BRITAIN 2:29.28 TEXICO 2:37.54 MALAYSIA 2:46.40  USA 2:20.58 E.GERMANY 2:25.09 AUSTRALIA 2:25.34 HUNGARY 2:25.81 USSR 2:29.46 W.GERMANY 2:31.16 AGENTIAN 2:37.61  32.11 1:05.59 1:42.55 WA2:19.19 33.01 1:08.04 1:44.37 2:20.38 A32.97 1:09.23 1:45.89 2:23.70 A32.97 1:09.23 1:45.89 2:23.35 RM 32.53 1:09.24 1:46.27 *E2:23.35 RM 32.41 1:08.54 1:46.26 2:23.44 32.41 1:08.54 1:46.26 2:23.44 32.41 1:08.54 1:46.27 *E2:23.35 RM 32.53 1:09.70 1:46.86 2:223.44 32.41 1:08.54 1:46.27 *E2:23.35 RM 32.53 1:09.70 1:46.86 2:223.44 32.41 1:08.54 1:46.27 *E2:23.35 RM 32.53 1:09.70 1:46.86 2:223.44 33.35 1:09.70 1:46.86 2:223.45 33.35 1:09.70 1:47.95 2:25.80	JUDY MELICK BEVERLEY WHITFIELD BRITT-MARIE SMEDH LIUCHHLA PORUSAIKO JEANETTE PETTERSSON TATIANA PRUDNIKOVA SYLVIA LANGER  CATHERINE CARR USA GALINA STEPANOVA USSR BEVERLEY WHITFIELDA'LIA AGNES KISSNE-KACZANDER JJOY MELICK VERENA ESERLE W. GEF BRITT-MARIE SHEDH SMEDE DOROTHY HARRISON G.BRI VERENA ESERLE SYLVIA LANGER TATIANA PRODNIKOVA PATRIZIA MISERINI YUE-MAN LII CRISTINA BASSANI TEIXEI  REAT 2 BRITT-MARIE SHE DH BARBARA MITCHELL PAT BEAVAN ULRIKE KLEES BRIGITTE SCHUCHARDT ANN O'CONNOR ROSE-MARIE PEPE  HEAT 3 ASNES KISSNE-KACZANDER EVA KISS ALIETE RIET ARANDA RODANGE MARY IOANNIOU SHOMIT NIR LEONG URUETA  HEAT 4 DANA SCHOENFIELD	AUSTRALIA 1:16,26 SWEDEN 1:16,26 SWEDEN 1:16,67 SWEDEN 1:17,54 USSR 1:19,37 USSR 1:19,37 USSR 1:19,37 USSR 1:19,37 USSR 1:19,37 USSR 1:10,37 USSR 1:10,37 USSR 1:10,20 35,41 *C1:15,73 HUN3S,93 *1:16,26 35,41 *C1:15,73 HUN3S,93 *1:16,26 35,41 *C1:15,73 HUN3S,93 *1:16,26 USSR 1:17,16 USSR 1:17	AURORA CHAMORRO LESLIE CLIF YUE-YUN HSU  HEAT 3  DEENA OEARDURFF ROSEMARIE KOTHER NORIKO ASANO SUE FUNCH JEAN JEAVONS VERA FAITLOVA CHIN JOO TAY SUSANA SAXLUND  HEAT 4  MAYUHI AOKI ELLIE OANIEL GUDRUN BECKMANN HEIRE NAGEL MARILYN CORSON TUROCZI JUDIT KORACHNE ILEANA MORALES  SEMI-FI ANDREA GYARMATI ROSMITHA BEIER DANA SKRADER ROSEMABIE KOTHER EDELTRAUD KOCH FRIEKE BUYS MARILYN CORSON IRINA USTIMENKO  SMI-FI CLIE DANIEL GUDRUN BECKMANN NORIKO ASANO HEIKE NAGEL MARGIT THOMET ELLIE DANIEL GUDRUN BECKMANN NORIKO ASANO HEIKE NAGEL MARGIT THOMET EVA WIKNER  MAYUHI AOKI EVA WIKNER  FINAL MAYUHI AOKI EVA WIKNER  MAYUHI AOKI EVA WIKNER  FINAL MAYUHI AOKI HER NAGEL MARGIT THOMET EVA WIKNER  FINAL MAYUHI AOKI HER NAGEL MARGIT HUNGA MAYUHI AOKI HER NAGEL MARGIT HUNGA MAYUHI AOKI HER NAGEL MAYUHI AOKI HER NAGEL MARGIT HUNGA MAYUHI AOKI HER NAGEL M	SPAIN 1:08.39 CANADA 1:09.29 CHINA 1:10.52 USA 1:04.80 E.GERM. 1:04.87 A'LIA 1:07.51 G.BRITAIN 1:07.51 G.BRITAIN 1:07.51 G.BRITAIN 1:07.51 UNGUAY 1:10.92 URUGUAY 1:10.92 URUGUAY 1:03.90 JAPAN 1:04.00 USA 1:04.03 W.GERMANY 1:05.64 CANADA 1:06.26 H-UNCARY 1:05.64 CANADA 1:06.26 H-UNCARY 1:03.7 VENEZUELA 1:10.37 VAL 1 HUNGARY W1:03.80 E.GERMANY 1:04.54 E.GERMANY 1:05.20 H-ULAND 1:06.78 CANADA 1:06.78 USSR 1:07.76 VAL 2 USA 1:04.54 USSR 1:07.76 VAL 2 USA 1:04.54 USA 1:05.20 H-ULAND 1:06.78 USSR 1:07.76 VAL 2 USA 1:04.54 USA 1:05.20 W.GERMANY 1:05.40 SWITZERLHD 1:07.73 W.GERMANY 1:05.48 SWITZERLHD 1:07.73 W.GERMANY 1:05.48 SWITZERLHD 1:07.53 S 30.34 *W1:03.34 1.29.61 *E1:03.61 V. 30.27 *1:03.73

200 METER BU					
		NINA PETROVA	USSR 2:27.20	HEAT 5	AUSTRALIA (LEYIS 1:09.40; WHITFIELD 1:16.74;
HEAT Rosemarie Kother	E.GERMANY 2:18.32	ANITA ZARNOWIECKI	SWEDEN 2:29.08	LESLIE CLIFF CANADA 5:08.64 MARY MONTGOMERY USA 5:13.62	Funch 1:06.73; Booth 1:01.08) 4:33.96 Hungary (Szekeres 1:11.08; Kissne-Kaczander
MAYUMI AOKI	JAPAN 2:23.01	GAIL NEALL Karen James	Australia 2:29.64 Canada 2:31.25	Angela Franke E.Germany 5:14.81	1:16.96; KORACHNE-TUROCZI 1:08.45; PATOH
ANCA GROZA	ROMANIA 2:30.32	DEBRA CAIN	Australia 2:31.82	ANITA ZARNOWIECKI SWEDEN 5:15.05	1:00.13) 4:36.53
GRISEL MENDOZA	MEXICO 2:35.85	HELENE AVLONITOU	GREECE 2:39.10	SUSAN RICHARDSON G BRITAIN 5:19.53 SUSANNE NIESNER SWITZERLND5:25.23	IRELAND (FULCHER 1:10.70; O'CONNOR 1:20.35;
HEAT	2	PATRICIA LOPEZ-MUNIZ	ARGENTINA 2:42.08	SUSANNE NIESNER SWITZERLND5:25.23 GISELA CEREZO VENEZUELA 5:29.56	McGrory 1:08.49; O'Leary 1:06.02)4:45.56 ITALY (Finesso 1:12.64; Miserini 1:23.06;
ELLIE DANIEL	USA 2:17.18	HEAT		ROSARIO BALLESTEROS MEXICO 5:31.06	TALPO 1:10.36; PODESTA 1:02.18) 4:48.25
JEAN JEAVONS EVA WIKNER	G.BRITAIN 2:27.59 SWEDEN 2:29.03	EVELIN STOLZE	E.GERM. 2:25.45	FINALS	HEAT 2
MARGRIT THOMET	SwitzerLnd2:29.21	LESLIE CLIFF Jaroslava Slavickova	CANADA 2:25.59 CZECHO 2:27.33	GAIL NEALL A'LIA 1:08.64 2:25.33	USA (ATWOOD 1:07.30; MELICK 1:16.48;
VERA FAITLOVA	Сиесно 2:29.34	HENNIE PENTERMANN	Holland 2:28.99	3:55.5   WAC5: 02.97	SHRADER 1:04.71; BABASHOFF 59.08)427.57
MOIRA BROWN Jennifer McHugh	G.Britain 2:30.08 Canada 2:30.36	EVA KISS	Hungary 2:32.68	LESLIE CLIFF CANADA 1:10.26 2:27.99 3:56.72 •5:03.57	E.GERMANY (HERBST 1:08.36; VOGEL 1:16.38; 8EIER 1:03.98; WETZKO 58.84) 4:27.58
O ENNITED THOMAGN	2100	YUE-YUN HUS Rosario Ballesteros	CHINA 2:35.93 MEXICO 2:37.00	Novella Calligaris Ita 1:09.64 2:27.19	JAPAN (MATSUMURA 1:09-21; YAMAMOTO 1:18-30;
HEAT			_	3:57.63 *E5:03.99	Aoki 1:02.62; Nishigawa 1:00.21)4:30.34
LYNN COLELLA Noriko Asano	USA 2:18.80 Japan 2:20.09	HEAT JENNY SARTZ	3 USA 2:25.83	JENNY BARTZ USA 1:08.88 2:28.65 3:57.17 5:05.56	CANADA (COOK 1:07,42; DOCKERILL 1:17,43; Corson 1:05,98; CLIFF 1:01,03) 4:31,87
GAIL NEALL	Australia 2:23.21	BRIGITTE SCHUCHARDT	E.GERMANY 2:30.04	EVELIN STOLZE E.GERM. 1:09.99 2:29.41	GR.BRITAIN (BAIRSTOW 1:10.12; HARRISON
FRIERE BUYS	HOLLAND 2:24.20	MARTHA NELSON	CANADA 2:30.51	3:59.41 *5:06.80	1:16.39; JEAVONS 1:06.65; ALLARDICE
Olga Lucia DeAngelo Yue-Yun Hsu	COLOMBIA 2:34.69 CHINA 2:44.88	SHELAGH RATCLIFFE Gerda Lassooij	G.BRITAIN 2:31.04 HOLLAND 2:32.92	MARY MONTGOMERY USA 1:10,41 2:27,61 4:32,30 5:09,98	1:01.43) 4:34.61 Switzerland (Niesner 1:09.46; Thomet
		EVA SIGG	FINLAND 2:33.61	LYNN VIDALI USA 1:08.90 2:29.18	1:16.19; Ruegg 1:06.96; Monod 1:02.07)
HEAT -	4 USA 2:18.15	GISELA CEREZO	VENEZUELA 2:35.34	4:01.75 5:13.06 Nina Petrova USSR 1:12.60 2:33.26	4:34,69
HELGA LINDNER	E.G ERMANY 2:20.00	HEAT 4		Nina Petrova USSR 1:12.60 2:33.26 4:03.32 5:15.68	France (Lenoach 1:08.69; Claret 1:20.16; Castiau 1:08.86; Mandonnaud 1:00.90)
BRIGITTE MERTZ	E.GERMANY 2:24.92	KORNELIA ENDER	E.GERMANY 2:25.39		4:38.62
SUE FUNCH  EVA SEGG	Australia 2:26.69 Finland 2:27.64	CAROLYN WOODS	USA 2:26.98	4×100 METER FREESTYLE HEAT I	MEXICO (RAMIREZ 1:09.63; DELAPORTILLA 1:21.90; AMEYENA 1:13.28; ARRIAGE
LIANA MORALES	VENEZUELA 2:28.41	Susan Hunter Wijda Mazereeuw	N.ZEALAND 2:30.29 Holland 2:32.59	E.GERMANY (ELFE 1:00.18; ELCHNER 59.81;	1:04.41) 4:49.23
MARIA ISABEL V. GUERRA	8RAZIL 2:32.60	AVIS WILLINGTON	G.BRITAIN 2:32.64	ELKE SEHMISCH 58.58; ENDER 59.52)3:58.11W	·
FINAL	s	MARIA ISABEL V. GUERRA Kirsten Campbell	BRAZIL 2:32.95 DENMARK 2:33.15	Holland (Brighita 59.37; Rijnders 1:01.14; Bunschoten 1:00.71; Elzerman 1:01.47)	Finals USA (Belote,M.1:06.24; CARR,C.1:13.99;
KAREN MOE USA	31.49 1:06.22	WINSTEN CAMPBELL	DENIMAR 2.00.13	4:02.70	DEARDURFF,D.1:02.61; NEILSON, S.57.90)
Lynn Coletta 1164	1:40.92 WA2:15.57	HEAT 5		Australia (Palmer 1:01-48; Francis1:01-37;	WA4:20.75
LYNN COLELLA USA	31.78 1:06.63 1:41.28 2:16.34	LYNN VIDALI Yoshimi Nishigawa	USA 2:24.92 Japan 2:26.61	BOOTH 1:01.07; CAIN 1:01.50) 4:05.44 CANADA (RONDEAU 1:02.95; WRIGHT 1:01.68;	E.GERMANY (HERBST, C. 1:05.89; VOGEL, R. 1:16.58; Beier, R. 1:03.34; ENDER, K.58.09)
ELLIE DANIEL USA	30.92 1:05.62	BIRUTA UJKUPAITITE	USSR 2:31.11	CLIFF 1:00.72; COOK 1:00.58) 4:05.95	*E4:24.91
Dea-was - Komuse E Coom	1:40.83 2:16.74 . 31.78 1:05.46	Susan Richardson	G.BRITAIN 2:31.24	USSR (ZOLOTNICKALIA 1:02.03; TIMOSHENKO	W.GERMANY (PIELEN, S. 1:08.27; EBERLE, V.
ROSEMARIE KOTHERE.GERM	1:41.55 *E2:17.11	TUROCZI JUDIT KORACHNE Trine Krogh	Hungary 2:32.63 Norway 2:36.27	1:01.83; MATUCHINA 1:01.56; USTIMENKO 1:02.12) 4:07.55	1:15.47; BECKMANN,G.1:03.64; REINECK,H. 59.05) *4:26.46
NORIKO ASANO JAPAN	31.55 1:06.75	FELICIA OSPITELETCHE	URUGUAY 2:37.69	France (Mandonnaud 1:01.38; Schertz	USSR (LEKVEISHVILI, T. 1:07.09; STEPANOVA,
HELGA LINDNER E.GERM	1:42.63 *2:19.50 . 32.04 1:06.82			1:02.81; PETIT 1:03.70; BERGER 1:00.92) 4:08.82	G.1:14.46; USTIMENKO, 1.1:06.19; ZOLOT-
HELGA LINDNER C.OENH	1:43.08 2:20.47	HEAT 6 Shane Gould	Austral 1 2:26.44	MEXICO (RAMIREZ 1:01.79; ANCHUSTEGUI	NICKAIA, T. 1:00.05) 4:27.81 HOLLAND (BRIGITHA, E. 1:06.35; TERIET, A.
GAIL NEALL AUSTRA	LIA 32.80 1:08.46	AGNES KISSNE-KACZANDER	Hungary 2:28.05	1:03.96; VACA 1:04.77; ARRIAGA 1:04.42)	1:18.17; Rijnders, A.1:05.77; Bunschoten,
NAYUMI AOKI JAPAN	1:44.69 •C2:21.88 31.28 1:07.48	YUKARI TAKEMOTO	JAPAN 2:29.41	4:14.95   IRELAND (O'CONNOR 1:05.15; FULCHER 1:05.53;	H. 59.68) +4:29.99
HATOHI AOKI ONI AH	1:44.47 2:22.84	SUSANNE NIESNER Karin Bormann	SWITZERLND2:30.87 W.GERMANY 2:31.19	McGrory 1:08.05;0'LEARY 1:06.59)4:26.34	1:18.72; AOKI,M.1:02.47; NISHIGAWA,Y.
DOO METED INDIVI	NAL MEDIEV	HELMI BOXBERGER	W.GERMANY 2:33.71		1:00.39) •4:30.18
200 METER INDIVI	JUAL MEDLEY	ROSELINA ANSEL Ong Mei-Lin	COLOMBIA 2:45.46 MALAYSIA 2:48.13	HEAT 2 USA (PEYTON 1:00.12; SKRIFVARS 1:00.60;	CANADA (COOK, W. 1:07.06; DOCKERILL, S. 1:18.41 CORSON, M. 1:05.02; CLIFF, L. 1:01.07)
NINA PETROVA	USSR 2:27.20	ONG TIET-CIN	11ALATSIA 2.70.13	BARKMAN 59.39; MARSHALL 58.81) 3:58.93	*4:31.56
ANITA ZARNOWIECKI	Sweden 2:29.08	FINALS		W.GERMANY (8ECKMANN 1:01.63; WEBER 1:00.62	Sweden (OLSSON,D.1:09.50; Smedh,8.1:16.89;
GAIL NEALL Karen James	Australia 2:29.64 Canada 2:31.25	SHANE GOULD A'LIA	31.07 1:08.46 1:51.07 W2:23.07	STEINBACH 59.96; REINECK 59.40) 4:01.63 SWEDEN (ZARNOWIECKI 1:01.08; ANDERSSON	Wikner, E. 1:06.35; ZARNOWIECKI, A. 59.85) *4:32.61
DEBRA CAIN	AUSTRALIA 2:31.82	KORNELIA ENDER E.GERM.	31.45 1:07.60	1:00.97; OLSSON 1:0D.40; JOHANSSON	
HELENE AVLONITOU	GREECE 2:39.10				NOTE: OLYMPIC RECORDS WERE SET IN ALL
		t M	1:52.03 *E2:23.59	1:01.53) 4:03.99	NOTE: OLYMPIC RECORDS WERE SET IN ALL OF THE 29 FINALS
PATRICIA LOPEZ-MUNIZ	ARGENTINA 2:42.08	LYNN VIDALI USA	31.07 1:06.74	Hungary (Gyarmati 1:00.77; Korachne	OF THE 29 FINALS
HEAT 2	ARGENTINA 2:42.08	LYNN VIDALI USA Jenny Bartz USA	31.07   1:06.74 1:50.00   2:24.06 31.58   1:08.77	Hungary (Gyarmati 1:00.77; Korachne 1:01.55; Kovacs 1:01.82; Patoh 1:00.13) 4:04.29	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE	ARGENTINA 2:42.08  E.GERM 2:25.45	JENNY BARTZ USA	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55	Hungary (Gyarmati 1:00.77; Korachne 1:01.55; Kovacs 1:01.82; Patoh 1:00.13) 4:04.29 Japan (Nishigawa 1:01.34; Kawanishi1:01.64;	OF THE 29 FINALS
HEAT 2	ARGENTINA 2:42.08		31.07   1:06.74 1:50.00   2:24.06 31.58   1:08.77	HUNGARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46) 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN	E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:28.99	JENNY BARTZ USA	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30	Hungary (Gyarmati 1:00.77; Korachne 1:01.55; Kovacs 1:01.82; Patom 1:00.13) 4:04.29  Japan (Nishigama 1:01.34; Kamanishi1:01.64; GOSHI 1:01.88; TAKEMOTO 1:03.46) 4:08.34  GR. BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDMONDSON 1:01.74; ALLARDICE	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENIE PENTERMANN EVA KISS	E.GERM 2:25.45 CAMADA 2:27.33 CZECHO. 2:27.33 HOLLAND 2:28.99 HUNGARY 2:32.68	JENNY BARTZ USA LESLIE CLIFF CANADA EVELIN STOLZE E.GERM.	31.07   1:06.74 1:50.00   2:24.06 31.58   1:08.77 1:51.27   2:24.55 31.76   1:08.46 1:52.11   2:24.83 32.40   1:09.30 1:52.86   2:25.90	Humchary (Gyarmati 1:00.77; Korachme 1:01.55; Kovacs 1:01.82; Patoh 1:00.13) 4:04.29  Japan (Nishigawa 1:01.34; Kawanishi1:01.64; Goshi 1:01.68; Takehoto 1:03.36; Sirs Gr.Britain (Sutherland 1:03.36; Sirs 1:03.17; Edmondson 1:01.74; Allabolce 4:09.51	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN	E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:28.99	JENNY BARTZ USA LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN	31.07  :06.74 1:50.00  :2:24.05 31.55  :00.77 1:51.27  :2:24.55 31.76  :00.46 1:52.11  :2:24.83 32.40  :09.30 1:52.86  :2:25.90 31.71  :08.84 1:52.70  :2:26.35	HUNGARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATON 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAMANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46) 4:08.34  GR. BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONOSON 1:01.74; ALLARDICE 1:01.23)  1TALY (POSESTA 1:02.44; LANFREDINI 1:02.56) GORGERINO 1:03.07; STABILINI 1:02.56)	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS	E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:28.99 HUNGARY 2:35.93	JENNY BARTZ USA LESLIE CLIFF CANADA EVELIN STOLZE E.GERM.	31.07 1:06.74 1:50.00 2:24.05 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.90 1:09.07	HUNGARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.88; TAKEMOTO 1:03.346) 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDMONDSON 1:01.74; ALLARDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.56; GORGERINO 1:03.07; STABILINI 1:02.56; 4:10.70	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS VUE-YUN HSU	E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:28.99 HUNGARY 2:35.93	JENNY BARTZ USA LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN	31.07  :06.74 1:50.00  :2:24.05 31.55  :00.77 1:51.27  :2:24.55 31.76  :00.46 1:52.11  :2:24.83 32.40  :09.30 1:52.86  :2:25.90 31.71  :08.84 1:52.70  :2:26.35	HUNCARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.56) 4:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68)	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:28.99 HJNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04	JENNY BARTZ USA LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN CAROLYN WOODS USA 400 METER INDIVIDU	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.80 1:09.07 1:52.61 2:27.42	HUNGARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAMANISH 1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46) 4:08.34 GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDMONDSON 1:01.74; ALLARDICE 1:01.23) 1:04.27 1:04.27 1:04.28 1:05.262; GORGERINO 1:03.07; STABILINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.50 5: SUITZERLAND (THOMET 1:03.25; DEBRUNNER	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTMA NELSON	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:26.99 HUNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51	JENNY BARTZ USA  LESLIE CLIFF CANADA  EVELIN STOLZE E.GERM.  YOSHIMI NISHIGAWA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.80 1:09.07 1:52.61 2:27.42 AL MEDLEY	HUNCARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.56) 4:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68)	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ	E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:28.99 H)NGARY 2:32.68 CHIMA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.90	JENNY BARTZ USA LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN GAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER	31.07 1:06.74 1:50.00 2:24.05 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.80 1:09.07 1:52.61 2:27.42  AL MEDLEY  AL MEDLEY  N.ZEALAND 5:114.89	HUNGARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATON 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46) 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDMONDSON 1:01.74; ALLARDICE 1:01.23) 1TALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.56) 4:10.73  SMITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONDO 1:01.68) 4:10.73  FINALS USA (NEILSON,S.59.98; KEMP, J.58.99; BARK-	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 .CZECHO. 2:27.33 HOLLAND 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.05 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:33.92	JENNY BARTZ USA  LESLIE CLIFF CANADA  EVELIN STOLZE E.GERM.  YOSHIMI NISHIGAWA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU  HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.80 1:09.07 1:52.61 2:27.42 AL MEDLEY  AUSTRALIA 5:11.89 N.ZEALAND 5:14.47 CZECHO. 5:18.53	HUNCARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65;  SWITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS USA (NEILSON,S.59.98; KEMP,J.58.99; BARK-HAN,J.59.03; BARSNOFF,S.58.18) W3:55.19	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ	E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:28.99 H)NGARY 2:32.68 CHIMA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.90	JENNY BARTZ USA LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN GAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.80 1:09.07 1:52.61 2:27.42 AL MEDLEY AUSTRALIA 5:111.89 N.ZEALAND 5:14.47 CZECHO. 5:18.53 USSR 5:20.05 W.GERMANY 5:21.97	HUMCARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI 1:01.64; GOSHI 1:01.88; TAKEMOTO 1:03.46; 4:08,34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23) 4:09.51  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.56) 4:10.70  SWITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.58; FLAMAND 1:03.10; MONDO 1:01.68) 4:10.73  FINALS USA (NEILSON,S.59.96; KEMP, J.58.99; BARK-MN,J.59.03; BABASHOFF,S.58.18) W3:55.19 E.GERMANY (WETZKO,G.59.23; EIFE,A.58.96; SEMHISCH 59.08; ENDER,K.58.27; F3:35.56	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RAYCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:36.99 HYNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:33.4	JENNY BARTZ USA  LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE	31.07 1:06.74 1:50.00 2:24.05 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.80 1:09.07 1:52.61 2:27.42 AL MEDLEY  AUSTRALIA 5:11.89 N.ZEALAND 5:14.47 CZECHO. 5:18.53 USSR 5:20.05 W.GERHANY 5:21.97 G.BRITAIN 5:24.27	HUNCARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR. BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLABDICE 1:01.23)  ITALY (FOSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65) 4:10.70  SWITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS USA (NEILSON,S.59.98; KEMP,J.58.99; BARK-MAN,J.59.03; BABSNOF,S.50.18)W3:55.19 E.GERMANY (WETZKO,G.59.23; EIFE,A.58.96; SEHHISCH 59.08; ENDER,K.58.27) = 23:55.55 W.GERMANY (WEERJ,J.59.47; REINECK,H.59.02;	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:36.99 HUNGARY 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39	JENNY BARTZ USA  LESLIE CLIFF CANADA  EVELIN STOLZE E.GERM.  YOSHIMI NISHIGAWA JAPAN  CAROLYN WOODS USA  400 METER INDIVIDU  HEAT I  GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA USUKRAITITE HELGA NIEMANN SHELAGH RATOLIFFE HELMI BOXBERGER	31.07  :06.74   1:50.00   2:24.05   31.58  :08.77   1:51.27   2:24.55   31.76  :08.46   1:52.11   2:24.83   32.40   1:09.30   1:52.86   2:25.90   31.71   1:08.84   1:52.70   2:26.35   31.80   1:09.07   1:52.61   2:27.42   AL MEDLEY   AUSTRALIA   5:11.89   N.ZEALAND   5:14.47   CZECHO.   5:18.53   USSR   5:20.05   W.GERHANY   5:21.97   G.BRITAIN   5:24.27	HUNGARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.88; TAKEMOTO 1:03.36; SIRS 1:03.17; EDMONDSON 1:01.74; ALLABDICE 1:01.23) 1TALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; GORGERINO 1:03.07; STABILINI 1:02.56) 4:10.70  SWITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.58; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS USA (NEILSON,S.59.98; KEMP,J.58.99; BARK-MAN,J.59.03; BARASHOFF,S.58.18) W3:55.19 E.GERMARY (WETZKO,G.59.23; EIFE,A.55.96; SEHNISCN 59.06; ENDER,K.58.27)*E3:55.55 W.GERMANY (WEBER,J.59.84; REINECK,H.59.02; BECKMANN,G.59.99; STEINBACH,A.59.07)	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RAYCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:36.99 HYNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:33.4	JENNY BARTZ USA  LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE	31.07  :06.74   1:50.00   2:24.05   31.58  :08.77   1:51.27   2:24.55   31.76  :08.46   1:52.11   2:24.83   32.40   1:09.30   1:52.86   2:25.90   31.71   1:08.84   1:52.70   2:26.35   31.80   1:09.07   1:52.61   2:27.42   AL MEDLEY   AUSTRALIA   5:11.89   N.ZEALAND   5:14.47   CZECHO.   5:18.53   USSR   5:20.05   W.GERHANY   5:21.97   G.BRITAIN   5:24.27	HUNGARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.88; TAKEHOTO 1:03.46; 4:08.34  GR.8RITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLABDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A:10.70  SWITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS USA (NEILSON,S.59.98; KEMP,J.58.99; BARKMAN,J.59.03; BABASHOFF,S.58.18)W3:55.19 E.GEMHANY (WETZKO,G.59.23; EIF;A.58.96; SEHHISCH 59.08; ENDER,K.58.27)*C3:55.55 W.GERNANY (WEBER,J.59.94; REINECK,H.59.02; BECKMANN,G.59.99; STEINBACH,A.59.07) 4:15.793 HUNGARY (GYARMATI,A.59.32; KORACHNET-UROC	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHAROT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:26.99 HANGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:30.29	JENNY BARTZ USA  LESLIE CLIFF CANADA  EVELIN STOLZE E.GERM.  YOSHIMI NISHIGAWA JAPAN GAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA USURAITITE HELGA NIEHANN SHELAGH RATCLIFFE HELMI 80 SOBERGER SILVIA ELIZABETH BORGIN	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.80 1:09.07 1:52.61 2:27.42 AL MEDLEY AUSTRALIA 5:111.89 N.ZFALAND 5:14.47 CZECHO. 5:18.53 USSR 5:20.05 W.GERHANY 5:21.97 G.BRITAIN 5:24.27 W.GERHANY 5:32.31 IARGENTINA 5:44.22	HUNGARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI 1:01.64; GOSHI 1:01.88; TAKEMOTO 1:03.46; 4:08.36  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23) 171ALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.56) 4:10.70  SWITZERLAND (THOMET 1:03.25; DEBRUNKER 1:02.58; FLAMAND 1:03.10; MONDO 1:01.68) 4:10.73  FINALS USA (NEILSON,S.59.98; KEMP, J.58.99; BARK— MAN, J.59.03; BABASHOFF, S.58.18) W3:55.19 E.GERMANY (WETZN,G.59.23; EIFE,A.56.96; SEMHISCH SO, 59.08; ENDER, K.58.27) 7:61:55.55 W.GERMANY (WETZN,G.59.23; EIFE,A.56.96; SCHMISCK 59.08; ENDER, K.58.27) 7:31:57.93  HUNGARY (GYARMATI, A.59.32; KORACHME—TUROC— ZI,J.1:00.88; KONACS,E.1:01.12; PATOH,MY	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RAYCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CABOLEVA WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.99 CZECHO. 2:27.33 HOLLAND 2:32.99 HYNGARY 2:30.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITATIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29	JENNY BARTZ USA  LESLIE CLIFF CANADA  EVELIN STOLZE E.GERM.  YOSHIMI NISHIGAWA JAPAN  CAROLYN WOODS USA  400 METER INDIVIDU  HEAT I  GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELMI BOXBERGER SILVIA ELIZABETH BORGIN	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.80 1:09.07 1:52.61 2:27.42 AL MEDLEY  AUSTRALIA 5:11.89 N.ZEALAND 5:14.47 CZEGHO. 5:18.53 USSR 5:20.05 W.GERMANY 5:21.97 W.GERMANY 5:22.31 IARGENTINA 5:44.22  HOLLAND 5:14.99	HUNGARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.88; TAKEHOTO 1:03.46; 4:08.34  GR. BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLABDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A:10.70  SWITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS USA (NEILSON,S.59.98; KEMP,J.58.99; BARKMAN,J.59.03; BABASHOFF,S.58.18)W3:55.19 E.GEMHANY (WETZKO,G.59.23; EIFE,A.58.96; SEMHISCH 59.08; ENDER,K.58.27)*C3:55.55 W.GERNANY (WEBER,J.59.94; REINECK,H.59.02; BECKMANN,G.59.99; STEINBACH,A.59.07) 4:15.793 HUNGARY (GYARMATI,A.59.32; KORACHNET-UROC	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHAROT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERHANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:32.92 FINLAND 2:33.34	JENNY BARTZ USA  LESLIE CLIFF CANADA  EVELIN STOLZE E.GERM.  YOSHIMI NISHIGAWA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURA ITITE HELGA NIEMANN SHELAGH RATCLIFFE HELMI BOXBERGER SILVIA ELIZABETH BORGIN  HEAT 2 HENNIE PENTERHANN MARLIES POHL JENNIFER MCHUGH	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.60 1:09.07 1:52.61 2:27.42 AL MEDLEY  AUSTRALIA 5:11.89 N.ZEALAND 5:14.97 CZECHO. 5:18.53 USSR 5:20.05 W.GERMANY 5:24.27 HOLLAND 5:14.99 E.GERMANY 5:15.38 CANADA 5:20.25	HUNCARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23) 1:02.50; 4:09.51  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNWER 1:02.58; FLAMAND 1:03.10; MONDD 1:01.68) 4:10.73  FINALS USA (NEILSON,S.59.98; KEMP, J.58.99; BARK-MAN, J.59.03; BARSNOFF, S.59.18; KMP, J.58.99; BARK-MAN, J.59.03; GARSNOFF, S.59.18; M.SERMAY (WETKO,G.59.23; EIFE, A.58.96; SEMHISCR 59.00; FROBER, K.58.27; F3.355,55  W.GERMANY (WERK, J.59.84; REINECK, H.59.02; BECKMANN, G.59.99; STEINBACH, A.55.90; BUSCHAMNA (GRARMATI, A.59.32; KORACHME-TUROC- ZIJJ.1:00.88; KOVACS, E.1:01.12; PATOH, M. 59.06)  HULAND (BRIGHITA 59.46; RIJNDERS 1:00.85; BUNSCHOTEN 59.93; ELZERMANICIO.24):101.69  BUNSCHOTEN 59.93; ELZERMANICIO.24):101.085; BUNSCHOTEN 59.93; ELZERMANICIO.24):101.085; BUNSCHOTEN 59.93; ELZERMANICIO.24):101.085;	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL	E.GERM 2:25.45 CZECHO. 2:27.33 HOLLAND 2:28.99 HUNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.63 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:25.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:30.29 HOLLAND 2:32.59 HOLLAND 2:32.59 G.BRITAIN 2:30.29	JENNY BARTZ USA  LESLIE CLIFF CANADA  EVELIN STOLZE E.GERM.  YOSHIMI NISHIGAMA JAPAN  CAROLYN WOODS USA  400 METER INDIVIDU  HEAT I  GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELHI BOXBERGER SILVIA ELIZABETH BORGIN  HEAT 2  HENNIE PENTEMHANN  MARLIES POHL JENNIFER MICHUGH CEBBIE BERGISSON	31.07  :06.74   1:50.00   2:24.05   31.58  :08.77   1:51.27   2:24.55   31.76  :08.46   1:52.11   2:24.83   32.40  :09.30   1:52.86   2:25.90   31.71  :08.84   1:52.70   2:26.35   31.80  :09.07   1:52.61   2:27.42   AL MEDLEY  AUSTRALIA   5:11.89   N.ZEALAND   5:14.47   CZEGHO.   5:18.53   USSR   5:20.05   W.GERMANY   5:22.31   IARGENTINA   5:24.27   W.GERMANY   5:32.31   IARGENTINA   5:44.22    HOLLAND   5:14.99   E.GERMANY   5:13.38   CANADA   5:20.25   CANADA   5:20.25	HUNCARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.88; TAKEMOTO 1:03.46; 4:08.34  GR. BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLABDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65) 4:10.70  SWITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.58; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS USA (NEILSON,S.59.98; KEMP,J.58.99; BARK-MAN,J.59.03; BARSNOF,S.50.18)W3:55.19 E.GERMANY (WETZKO,G.59.23; EIFE,A.58.96; SEHHISCH 59.08; ENDER,K.08.27)*63:55.55 W.GERMANY (WEBERJ.)5.94; REINECK,H.59.06; BECKMANN,G.59.99; STEINBACH,A.59.07) 43:57.93  HUNGARY (GYARMATI,A.59.32; KORACHNE-TUROC 21,J.1:00.88; KOVACS,E.1:01.12; PATOH,M.59.06) HOLLAND (BRIGHITA 59.46; RIJNOERS 1:00.85; BUSSCHOTEN 59.93; ELZERMANICI.24) 4:10.139  SWEDEN (ZARMOVIECKI,J.1:01.16; ANDERSSON,EC.	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON MARIA I SABEL V. GUERRA	E.GERM 2:25.45 CZECHO. 2:27.33 HOLLAND 2:28.99 HUNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.63 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:25.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:30.29 HOLLAND 2:32.59 HOLLAND 2:32.59 G.BRITAIN 2:30.29	JENNY BARTZ USA  LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAMA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELMI 80XBERGER SILVIA ELIZABETH BORGIN HART 2 HENNIE PENTERMANN MARLIES POHL JENNIFER MCHUGH OEBBIE BENGTSON EVA SIGG KAREN MORAS	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.60 1:09.07 1:52.61 2:27.42 AL MEDLEY  AUSTRALIA 5:11.89 N.ZEALAND 5:14.97 CZECHO. 5:18.53 USSR 5:20.05 W.GERMANY 5:24.27 HOLLAND 5:14.99 E.GERMANY 5:15.38 CANADA 5:20.25	HUNCARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDMONDSON 1:01.74; ALLARDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS  USA (NEILSON,S.59.98; KEMP, J.58.98; BARK-MAN, J.59.03; BARSNOFF, S.58.18) W3:55.19 E.GERMANY (WETZKO,G.59.23; EIFE, A.58.96; SCHMISCK 59.08; ENDER, K.58.27) *23:55.55 W.GERMANY (WEER, J.59.84; REINECK, H.59.02; BECKMANN,G.59.99; STEINBACH, A.59.07; HUNGARY (GYARMATI, A.59.32; KORACHME-TUROC- ZI, J.1:00.85; KOVACS, E.1:01.12; PATOH, M. 59.06) HULLAND (BRIGHITA 59.46; RIJNDERS 1:00.85; BUNSCHOTEN 59.93; ELERRANIFOL 24):01.049  MOLLAND (BRIGHITA 59.46; RIJNDERS 1:00.85; BUNSCHOTEN 59.93; ELERRANIFOL 24):01.049  SMEDEN (ZARNOMIECKI, A.1:01.16; ANDERSSON, E. 1:00.25; OLSSON, D.1:00.30; JOHANSSON, I. 1:00.25; OLSSON, D.1:00.30; JOHANSSON, I. 1:00.25; OLSSON, D.1:00.30; JOHANSSON, I. 1:00.27	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GRDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUM AVIS WILLINGTON MARIA I SABEL V. GUERRA KIRSTEN CAMPBELL  HEAT 5 LYNN VIDALI YOSHIMI NISHIGAMA	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.99 CZECHO. 2:27.33 HOLLAND 2:32.99 HUNGARY 2:30.04 CANADA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:32.64 G.BRITAIN 2:32.64 G.BRITAIN 2:32.64 G.BRITAIN 2:32.64 G.BRITAIN 2:32.69 C.BRITAIN 2:32.69 G.BRITAIN 2:32.69 G.BRITAIN 2:32.69 G.BRITAIN 2:32.69 C.BRITAIN 2:32.69 C.BRITAIN 2:32.69 USA 2:24.92 JAPAN 2:26.61	JENNY BARTZ USA  LESLIE CLIFF CANADA  EVELIN STOLZE E.GERM.  YOSHIMI NISHIGAWA JAPAN  CAROLYN WOODS USA  400 METER INDIVIDU  HEAT I  GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA USUKRAITITE  HELGA NIEMANN SHEAGH RATOLIFFE  HELMI BOXBERGER SILVIA ELIZABETH BORGIN  HEAT 2  HENNIE PENTERMANN MARLIES POHL JENNIFER MCHUGH DEBBIE BENGTSON EVA SIGG	31.07  :06.74  :50.00  :2:24.06  :55.00  :08.77  :51.27  :2:24.55  :08.78  :08.78  :08.78  :09.78  :09.30  :09	HUNCARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISHI1:01.64; GOSNI 1:01.88; TAKENOTO 1:03.46; 4:08.34  GR.8RITAIN (SUTMERLAND 1:03.36; SIRS 1:03.17; EDMONDSON 1:01.74; ALLABDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65;  A110.70  SWITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS  USA (NEILSON,S.59.98; KEMP,J.58.99; BARKMAN,J.59.03; BARSNOF,S.58.18)W3:55.19 E.GERMANY (WETZKO,G.59.23; EIFE,A.58.96; SEMHISCH 59.08; ENDER,K.68.27)*C3:55.55 W.GERMANY (WEERS,J.59.44; REINECK, H.59.06; BECKMANN,G.59.99; STEINBACH,A.59.07) BECKMANN,G.59.99; STEINBACH,A.59.07) HUNGARY (GYARMATI,A.59.32; KORACHME-TUROC-ZI,J.1:00.88; KOVACS,E.1:01.12; PATOH,M.59.06) HOLLAND (BRIGHITA 59.46; RIJNDERS 1:00.85; BUNSCHOTEN 59.93; ELZERMANI:01.24):101.49 SWECDEN (ZARNOVIECKI,A.1:01.16; AMBERSSON,E.1:00.25; OLSSON,D.1:00.30; JOHANSSON,I.1:00.97) CANADA (COOK,W.1:00.98; WRIGHT,J.1:01.06.68)	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHAROT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA M'AZEREUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL  HEAT 5 LYNN VIDALI YOSHIMI NISNIGAWA BIRUTA UJKUPALTITE	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:32.89 HYNGARY 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:31.029 HOLLAND 2:32.59 G.BRITAIN 2:32.92 G.BRITAIN 2:32.92 G.BRITAIN 2:32.93 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:32.95 G.BRITAIN 2:32.95 G.BRITAIN 2:32.95 USA 2:24.92 JAPAN 2:26.61 USSR 2:31.11	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN GAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA USKURAITITE HELGA NIEHANN SHELAGH RATCLIFFE HELMI BOXBERGER SILVIA ELIZABETH BORGIN HEAT 2 HENNIE PENTEMHANN JENNIFER MCHUGH JENNIFER MCHUGH CEBBIE BENGTSON EVA SIGG KAREN MORAS KIRSTEN CAMPBELL	31.07  :06.74  :50.00  :2:24.06  :08.77  :05.7	HUNCARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDMONDSON 1:01.74; ALLARDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS  USA (NEILSON,S.59.98; KEMP, J.58.98; BARK-MAN, J.59.03; BARSNOFF, S.58.18) W3:55.19 E.GERMANY (WETZKO,G.59.23; EIFE, A.58.96; SCHMISCK 59.08; ENDER, K.58.27) *23:55.55 W.GERMANY (WEER, J.59.84; REINECK, H.59.02; BECKMANN,G.59.99; STEINBACH, A.59.07; HUNGARY (GYARMATI, A.59.32; KORACHME-TUROC- ZI, J.1:00.85; KOVACS, E.1:01.12; PATOH, M. 59.06) HULLAND (BRIGHITA 59.46; RIJNDERS 1:00.85; BUNSCHOTEN 59.93; ELERRANIFOL 24):01.049  MOLLAND (BRIGHITA 59.46; RIJNDERS 1:00.85; BUNSCHOTEN 59.93; ELERRANIFOL 24):01.049  SMEDEN (ZARNOMIECKI, A.1:01.16; ANDERSSON, E. 1:00.25; OLSSON, D.1:00.30; JOHANSSON, I. 1:00.25; OLSSON, D.1:00.30; JOHANSSON, I. 1:00.25; OLSSON, D.1:00.30; JOHANSSON, I. 1:00.27	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V- GUERRA KIRSTEN CAMPBELL  HEAT 5 LYNN VIDALI YOSHIMI NISHIGAMA BIRUTA UJKUPALITIE SUSANRICHARDSON TUROCZI JUDIT KORACHNE	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:26.99 HYNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:32.25 G.BRITAIN 2:32.26 G.BRITAIN 2:32.26 GABRITAIN 2:32.64 GRAZIL 2:32.95 DENMARK 2:33.15	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UNURAITITE HELGA NIEMANN SHEAGH RATCLIFFE HELMI BOXBERGER SILVIA ELIZABETH BORGIN HEAT 2 HENNIE PENTERMANN MARLIES POHL JENNIFER MCHUGH OEBBIE BENGTSON EVA SIGG KARRN MORAS KIRSTEN CAMPBELL  HEAT 3 LYNN VIDALI	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.80 1:09.07 1:52.61 2:27.42 AL MEDLEY AUSTRALIA 5:111.89 N.ZEALAND 5:14.47 CZECHO. 5:18.53 USSR 5:20.05 W.GERHANY 5:21.97 G.BRITAIN 5:24.27 W.GERHANY 5:32.31 IARGENTINA 5:44.22 W.GERHANY 5:32.31 IARGENTINA 5:44.22 HOLLAND 5:14.99 E.GERHANY 5:15.38 CANADA 5:20.25 CANADA 5:20.25 CANADA 5:20.25 CANADA 5:20.25 CANADA 5:25.97 USA 5:09.67	HUNGARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.88; TAKEMOTO 1:03.46; 4:08.36  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23) 171ALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.56) 4:10.70  SWITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.58; FLAMAND 1:03.10; MONDO 1:01.68) 4:10.73  FINALS USA (NEILSON, S.59.98; KEMP, J.58.99; BARK— MAN, J.59.03; BABASHOFF, S.58.18) W3:55.19 E.GERMANY (WETZN, G.59.23; EIFE, A.56.96; SEMHISCK 59.08; ENDER, M.58.27) 7:31:55.55 W.GERMANY (WETZN, G.59.93; EIFE, A.56.96; SECHMANN, G.59.99; SEINBACH, A.59.07) 43:57.93  HUNGARY (GYARMATI, A.59.32; KORACHNE—TUROC— ZIJ, J.1:00.88; KOVACS, E.1:01.12; PATOH, M. 59.06) HUNGARY (GYARMATI, A.59.32; KORACHNE—TUROC— ZIJ, J.1:00.88; KOVACS, E.1:01.2; PATOH, M. 59.06) HUNGARY (GYARMATI, A.59.37; KORACHNE—TUROC— ZIJ, J.1:00.87; KONACS, E.1:01.24; PATOH, M. 59.06)  WECON (ZARMONIECKI, A.1:01.16; ANDERSSON, I. 1:00.25; OLSON, D.1:00.30; JOHANSSON, I. 1:00.97)  AUSTRALIA (PALMER, D.1:02.02; FRANCIS, L. 40.383  AUSTRALIA (PALMER, D.1:02.02; FRANCIS, L.	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RAYCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL YOSHIMI NISHIGAMA BIRUITA LUKUPALITIE SUSAMRICHARDSON TUROCZI JUDIT KORACHNE TRINE KROCH	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.05 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:32.92 FINLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:32.64 BRAZIL 2:32.95 DENMARK 2:33.15  USA 2:24.92 JAPAN 2:26.61 USSR 2:31.11 G.BRITAIN 2:31.24 HUNGARY 2:32.63 NORMAY 2:33.263	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAMA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELMI BOXBERGER SILVIA ELIZABETH BORGIN HANDE STOPH JENNIFER MCHUGH OEBBIE BENGTSON EVA SIGG KAREN MORAS KIRSTEN CAMPBELL LYNN VIDALI NOVELLA CALLIGARIS	31.07  :06.74  :50.00  :2:24.06  :50.00  :08.77  :05.77  :05.77  :05.27  :05.27  :05.21  :08.46  :52.11  :09.07  :52.86  :52.97  :52.9	HUNCARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAMANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR. BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDMONDSON 1:01.74; ALLARDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A 4:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUMEN 1:02.63; E.GERRINO 1:03.07; STABILINI 1:02.65; A 4:10.73  FINALS  USA (NEILSON, S.59.93; KEMP, J.58.93; BARKMAN, J.59.03; BARSNOFF, S.58.18) W3:55.19 E.GERMANY (WETZKO, G.59.23; EIFE, A.58.96; SEMHISCK 59.03; ENDER, K.58.27) -63:55.59 W.GERHANY (WEBER, J.59.82; KORACHME-TUROC- ZI, J.1:00.85; KOVACS, E.1:01.12; PATOM, S9.06; BUNSCANOTEN 59.93; ELZERMANIO1.16; ANDERSON, I. 1:00.25; OLSSON, D.1:00.30; JOHANSSON, I. 1:00.97) CANDA (COOK, M.1:00.98; WRIGHT, J.1:01.66; RONDEAU, M.1:01.37; CLIFF, L.1:00.41) 4:03.83  AUSTRALIA (PALMER, D.1:02.02; FRANCIS, L. 1:01.09; BOOTH, S.1:00.70; GOULD, S.	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V- GUERRA KIRSTEN CAMPBELL  HEAT 5 LYNN VIDALI YOSHIMI NISHIGAMA BIRUTA UJKUPALITIE SUSANRICHARDSON TUROCZI JUDIT KORACHNE	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:26.99 HYNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:32.25 G.BRITAIN 2:32.26 G.BRITAIN 2:32.26 GABRITAIN 2:32.64 GRAZIL 2:32.95 DENMARK 2:33.15	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UNURAITITE HELGA NIEMANN SHEAGH RATCLIFFE HELMI BOXBERGER SILVIA ELIZABETH BORGIN HEAT 2 HENNIE PENTERMANN MARLIES POHL JENNIFER MCHUGH OEBBIE BENGTSON EVA SIGG KARRN MORAS KIRSTEN CAMPBELL  HEAT 3 LYNN VIDALI	31.07 1:06.74 1:50.00 2:24.06 31.58 1:08.77 1:51.27 2:24.55 31.76 1:08.46 1:52.11 2:24.83 32.40 1:09.30 1:52.86 2:25.90 31.71 1:08.84 1:52.70 2:26.35 31.80 1:09.07 1:52.61 2:27.42 AL MEDLEY AUSTRALIA 5:111.89 N.ZEALAND 5:14.47 CZECHO. 5:18.53 USSR 5:20.05 W.GERHANY 5:21.97 G.BRITAIN 5:24.27 W.GERHANY 5:32.31 IARGENTINA 5:44.22 W.GERHANY 5:32.31 IARGENTINA 5:44.22 HOLLAND 5:14.99 E.GERHANY 5:15.38 CANADA 5:20.25 CANADA 5:20.25 CANADA 5:20.25 CANADA 5:20.25 CANADA 5:25.97 USA 5:09.67	Humchary (Gyarmati 1:00.77; Korachme 1:01.55; Kovacs 1:01.82; Patoh 1:00.13) 4:04.29  Japan (Nishigama 1:01.34; Kamanishi1:01.64; GOSHI 1:01.68; Takemoto 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; Edmondson 1:01.74; Allandice 1:01.23) 1:02.53) 1:04.17; Patohondson 1:01.74; Allandice 1:01.23) 1:04.76  SMITZERLAND (1:03.07; STABILINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.58; FLAMAND 1:03.10; MONDD 1:01.68) 4:10.73  FINALS  USA (NEILSON,S.59.98; KEMP, J.58.99; BARK-MAN, J.59.03; GARSNOFF, S.59.18) W3:55.9  E.GERMANY (WETZN,G.59.23; EIFE, A.58.96; SEMHISCR 59.00; FROMER, K.58.27) F3:355.55  W.GERMANY (WEREN, J.59.84; REINECK, H.59.02; BECKMANN, G.59.99; STEINBACH, A.55.07)  BHUNGARY (GYARMATI, A.59.32; KORACHNE-TUROC- 21,J.1:00.85; KOVACS, E.1:01.12; PATOH.M. 59.06)  MALUND (BRIGHITA 59.46; RIJNDERS 1:00.35; BUNSCHOTEN 59.93; ELZERMANI 1:01.24) 1:01.99; SMEDEN (ZARNOVIECKI, A.1:01.16; ANDERSSON, E. 1:00.25; OLSON, D. 1:00.30; JOHANSSON, I. 1:00.97)  CANDAD (COOK, W. 1:00.98; WRIGHT, J.1:01.06; RONDEAU, M. 1:01.37; CLIFF, L.1:00.41) 4:03.63  AUSTRALIA (PALMER, D. 1:02.02; FRANCIS, L. 1:01.09; BOOTH, S. 1:00.70; GOULD, S. 1:01.00	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL  LYNN VIDALI YOSHIMI NISMIGAMA BIRUTA ULKUPALITIE SUSANRI CHARDSON TUROCZI JUDIT KORACHNE TRINE KROCH FELICIA OSPITALETCHE	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.99 CZECHO. 2:27.33 HOLLAND 2:36.99 HYNGARY 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMAN 2:30.04 CANADA 2:30.05 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:31.64 BRAZIL 2:32.95 DENMARK 2:33.15  USA 2:24.92 JAPAN 2:26.61 USSR 2:31.11 USSR 2:31.12 HUNGARY 2:31.24 HUNGARY 2:31.24 HUNGARY 2:36.67 NORWAY 2:36.67	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAMA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELHI BOXBERGER SILVIA ELIZABETH BORGIN LENNIE PENTEMHANN MARLIES POHL JENNIFER MCHUGH CEBBIE BENGTSON EVA SIGG KAREN MORAS KIRSTEN CAMPBELL  LYNN VIOALI NOVELLA CALLIGARIS GERDA LASSOOIJ MARIA ISABEL V. GUERRA TAINE KROGH	31.07  :06.74  :50.00  :08.77  :08.74  :50.00  :08.77  :08.77  :08.78  :08.77  :51.27  :224.55  :08.78  :08.78  :08.78  :08.78  :08.78  :09.30  :52.80  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :09.07  :52.61  :09.07	HUNCARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65;  SWITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS  USA (NEILSON,S.59.98; KEMP, J.58.98; BARK—HAN, J.59.03; BARSNOFF, S.58.18] W3:55.19 E.GERMANY (WETZKO,G.59.23; EIFE, A.58.96; SEHHISCH 59.08; ENDER, K.58.27) *E3:55.55 W.GERMANN (WETZKO,G.59.23; EIFE, A.58.96; SEHHISCH 59.08; KOVACS,E.1:01.12; PATOH, M.59.00; BOCKMANN,G.59.99; STEINBACH, A.59.07; BUNGARY (GYARMATI, A.59.32; KORACHNE—TUROC—ZI, J.1:00.85; KOVACS,E.1:01.12; PATOH, M.59.06; BUNGARY (GYARMATI, A.59.36; RIJNDERS 1:00.85; BUNGCOTEN 59.93; ELZERMANIO1.24) M:01.99 SWEDEN (ZARNOWIECKI, A.1:01.16; ANDERSSON, E. 1:00.25; OLSSON, D.1:00.90; JOHANDSSON, I. 1:00.90; MIGHT, J.1:01.06; RODEAU, M.1:01.37; CLIFF, L.1:00.41)  *410.383  AUSTRALIA (PALMER, D.1:02.02; FRANCIS, L. 1:01.09; BOOTH, S. 1:01.00  *4:04.82	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL  HEAT 5 LYNN VIDALI YOSHIMI NISHIGAMA BIRUTA UJKUPALITIE SUSANRI CHARDSON TUROCZI JUDIT KORACHNE TRINE KROGH FELICIA OSPITALETCHE  HEAT 6 SHAME GOULD	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:30.29 HOLLAND 2:30.29 G.BRITAIN 2:31.29 LOSA 2:24.92 JAPAK 2:24.92 JAPAK 2:24.92 JAPAK 2:35.31 USA 2:24.92 JAPAK 2:36.61 USSR 2:31.11 G.BRITAIN 2:31.24 HUNGARY 2:36.27 URÜGUAY 2:37.69	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELMI BOXBERGER SILVIA ELIZABETH BORGIN HEAT 2 HENNIE PENTERMANN MARLIES POHL JENNIFER MCHUGH CEBBIE BENGTSON EVA SIGG KARCH MORAS KIRSTEN CAMPBELL  HEAT 3 LYNN VIDALI NOVELLA CALLIGARIS GERDA LASSOUJJ MARIA ISABEL V. GUERRA TRINE KROGH	31.07  :06.74   1:50.00  :2:24.06   31.58  :08.77   1:51.27  :2:24.55   31.76  :08.46  :52.11  :08.46   1:52.11  :08.94   1:52.86  :2:25.90   31.71  :08.84   1:52.86  :2:25.90   31.71  :08.84   1:52.70  :2:26.35   31.80  :09.07   1:52.61  :2:27.42   AL MEDLEY   AUSTRALIA   5:11.89   N.ZEALAND   5:14.47   CZECHO.   5:18.53   USR   5:20.05   W.GERHANN   5:24.27   W.GERHANN   5:24.27   W.GERHANN   5:24.27   W.GERHANN   5:24.27   W.GERHANN   5:25.97   USA   5:20.25   CANADA   5:25.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.08   GRAZIL   5:24.43   NORWAY   5:25.08   CRBITAIN   5:28.50   CRBITAIN   5:28.50	Humchary (Gyarmati 1:00.77; Korachme 1:01.55; Kovacs 1:01.82; Patoh 1:00.13) 4:04.29  Japan (Nishigama 1:01.34; Kamanishi1:01.64; GOSHI 1:01.68; Takemoto 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; Edmondson 1:01.74; Allandice 1:01.23) 1:02.53) 1:04.17; Patohondson 1:01.74; Allandice 1:01.23) 1:04.76  SMITZERLAND (1:03.07; STABILINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.58; FLAMAND 1:03.10; MONDD 1:01.68) 4:10.73  FINALS  USA (NEILSON,S.59.98; KEMP, J.58.99; BARK-MAN, J.59.03; GARSNOFF, S.59.18) W3:55.9  E.GERMANY (WETZN,G.59.23; EIFE, A.58.96; SEMHISCR 59.00; FROMER, K.58.27) F3:355.55  W.GERMANY (WEREN, J.59.84; REINECK, H.59.02; BECKMANN, G.59.99; STEINBACH, A.55.07)  BHUNGARY (GYARMATI, A.59.32; KORACHNE-TUROC- 21,J.1:00.85; KOVACS, E.1:01.12; PATOH.M. 59.06)  MALUND (BRIGHITA 59.46; RIJNDERS 1:00.35; BUNSCHOTEN 59.93; ELZERMANI 1:01.24) 1:01.99; SMEDEN (ZARNOVIECKI, A.1:01.16; ANDERSSON, E. 1:00.25; OLSON, D. 1:00.30; JOHANSSON, I. 1:00.97)  CANDAD (COOK, W. 1:00.98; WRIGHT, J.1:01.06; RONDEAU, M. 1:01.37; CLIFF, L.1:00.41) 4:03.63  AUSTRALIA (PALMER, D. 1:02.02; FRANCIS, L. 1:01.09; BOOTH, S. 1:00.70; GOULD, S. 1:01.00	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIC CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL  YOSHIMI NISHIGAWA BIRUTA UJKUPALITITE SUSANRI CHARDSON TUROCZI JUDIT KORACHNE TRINE KROGH FELICIA OSPITALETCHE  HEAT 6 SHANE GOULD ASNES KISSNE-KACZANDER YUKARI TAKENOTO	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:28.99 HYNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:32.64 BRAZIL 2:32.95 G.BRITAIN 2:32.64 BRAZIL 2:32.95 DENMARK 2:33.15	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAMA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELHI BOXBERGER SILVIA ELIZABETH BORGIN LENNIE PENTEMHANN MARLIES POHL JENNIFER MCHUGH CEBBIE BENGTSON EVA SIGG KAREN MORAS KIRSTEN CAMPBELL  LYNN VIOALI NOVELLA CALLIGARIS GERDA LASSOOIJ MARIA ISABEL V. GUERRA TAINE KROGH	31.07  :06.74  :50.00  :08.77  :08.74  :50.00  :08.77  :08.77  :08.78  :08.77  :51.27  :224.55  :08.78  :08.78  :08.78  :08.78  :08.78  :09.30  :52.80  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :52.61  :09.07  :09.07  :52.61  :09.07	HUNGARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISHI1:01.64; GOSHI 1:01.88; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23) 4:09.51  ITALY (FOSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.56) 4:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNWER 1:02.58; FLAMAND 1:03.10; MONDO 1:01.68) 4:10.73  FINALS  USA (NEILSON,S.59.98; KEMP, J.58.99; BARK-MAN, J.59.03; BABASHOFF, S.58.18) W3:55.19  E.GERMANY (METZKO,G.59.23; EIFE, A.58.96; SEMHISCH SOS, 59.99; SEINBACH, A.59.07; BECKMANN, (G.59.99; STEINBACH, A.59.07)  BECKMANN, (GYARMATI, A.59.32; KORACHNE-TUROC- ZIJJ.1:00.85; KOVACS,E.1:01.22; FATOH, M. 59.06) 4:00.39  HUNGARY (GYARMATI, A.59.32; KORACHNE-TUROC- ZIJJ.1:00.85; KOVACS,E.1:01.24; PATOH, M. 59.06) CARNON (GRIGHITA 59.46; RIJNDERS 1:00.65; BUNGCHOTEN 59.93; ELEZERHANI-01.24; PATOH, M. 59.06) CANDOA (COOK, M. 1:00.98; WRIGHT, J. 1:01.06; RONDEAU, M. 1:01.37; CLIFF, L. 1:00.41) 4:03.83  AUSTRALIA (PALMER, D. 1:02.02; FRANCIS, L. 1:01.09; BOOTH, S. 1:00.70; GOULD, S. 1:01.09; BOOTH, S. 1:00.70; GOULD, S. 1:100.09; HEAT I USSA (LEKVEISNYLLI 1:00.97; STEPANOVA 1:16.01; USTINERNO 1:06.97; STEPANOVA 1:16.01; USTINERNO 1:06.93; ZOLOT-	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS VUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHAN NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL YOSHIMI NISHIGAWA BIRUTA LUKUPAITITE SUSAMRICHARDSON TUROCZI JUDIT KORACHNE TRINE KROCH FELICIA OSPITALETCHE  HEAT 6 SHANE GOULD ASNES KISSNE-KACZANDER YUKARI TAKEMOTO SUSANNE NIESNER	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:32.99 HUNGARY 2:32.90 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:31.64 BRAZIL 2:32.95 G.BRITAIN 2:32.64 BRAZIL 2:32.95 CENMARK 2:24.92 JAPAN 2:26.61 USSR 2:31.11 G.BRITAIN 2:31.24 HUNGARY 2:36.27 URUGUAY 2:37.69	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAMA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURALTITE HELGA NIEMANN SHELAGH RATCLIFFE HELHI BOXBERGER SILVIA ELIZABETH BORGIN MARLIES POHL JENNIFER MCHUGH OEBBIE BENGTSON EVA SIGG KAREN MOGAS KIRSTEN CAMPBELL LYNN VIOALI NOVELLA CALLIGARIS GERDA LASSOOIJ MARIA ISABEL V. GUERRA TRINE KROGH OLAMER HELENE AVLONITOU BEATRICE MOTTOULLE	31.07  :06.74   1:50.00   2:24.06   31.58  :08.77   1:51.27   2:24.55   31.76  :08.46   1:52.11   2:24.83   32.40  :09.30   1:52.80   2:25.90   31.71  :08.84   1:52.70   2:26.35   31.80  :09.07   1:52.61   2:27.42   AL MEDLEY   AUSTRALIA 5:11.89   N.ZEALAND 5:14.47   CZECHO. 5:18.53   USSR   5:20.05   W.GERHANY 5:32.31   IARGENTINA 5:24.27   W.GERHANY 5:32.31   IARGENTINA 5:44.22   HOLLAND   5:24.27   W.GERHANY 5:25.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.92   AUSTRALIA 5:24.31   DENMARK   5:25.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.09   BRAZIL   5:24.31   HORMAY   5:25.08   G.BRITAIN 5:25.08   G.BRITAIN 5:25.20   G.BRITAIN 5:25.20   G.BRITAIN 5:25.20   G.BRITAIN 5:25.08   G.BRITAIN 5:28.32   GREECE   5:32.49	HUNCARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISH1:01.64; GOSNI 1:01.68; TAKEMOTO 1:03.46; 4:08.36  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23) 1:04.17; CORRESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONDD 1:01.68) 4:10.73  FINALS  USA (NEILSON,S.59.98; KEMP, J.58.99; BARK-MAN, J.59.03; GARSNOFF, S.59.18) W3:55.9  E.GERMANY (WETZN, G.59.92; EIFE, A.58.96; SEMHISCR 59.09; ENDER, M.58.27; F3:355,55  W.GERMANY (WEREN, J.59.94; REINECK, H.59.02; BECKMANN, G.59.99; STEINBACH, A.59.07) -3:57.93  HUNGARY (GYARMATI, A.59.32; KORACHNE-TUROC- ZIJJ.1:00.85; KOVACS, E.1:01.12; PATOH, M. 59.06)  HOLLAND (BRIGHITA 59.46; RIJNDERS 1:00.85; BUNSCHOTEN 59.93; ELZERMANI-10.24):01.99  SMEDEN (ZARNOVIECKI, A.1:01.16; ANDERSSON, E. 1:00.25; OLSON, D.1:00.30; JOHANNSON, I. 1:00.97)  CANDAD (COOK, W.1:00.98; WRIGHT, J.1:01.06; RONDEAU, M.1:01.37; CLIFF, L.1:00.41) -4:03.63  AUSTRALIA (PALMER, D.1:02.02; FRANCIS, L. 1:01.09; BOOTH, S.1:00.70; GOULD, S. 1:01.09; BOOTH, S.1:00.70; GOULD, S. 1:01.09; BOOTH, S.1:00.70; GOULD, S. 1:01.09; HORTER MEDLEY RELAY HEAT  USSR (LEKVEISWYILL 1:06.97; STEPANOVA 1:16.01; USTINENKO 1:06.93; ZOLOT- NICKAIA 1:00.42) -4:30.35	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIC CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL  YOSHIMI NISHIGAWA BIRUTA UJKUPALITITE SUSANRI CHARDSON TUROCZI JUDIT KORACHNE TRINE KROGH FELICIA OSPITALETCHE  HEAT 6 SHANE GOULD ASNES KISSNE-KACZANDER YUKARI TAKENOTO	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:28.99 HYNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:32.64 BRAZIL 2:32.95 G.BRITAIN 2:32.64 BRAZIL 2:32.95 DENMARK 2:33.15	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAMA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELMI 80XBERGER SILVIA ELIZABETH BORGIN HEAT 2 HENNIE PENTERMANN MARLIES POHL JENNIFER MCHUGH OEBBIE BENGTSON EVA SIGG KAREN MOGAS KIRSTEN CAMPBELL  LYNN VIDALI NOVELLA CALLIGARIS GERDA LASSOOIJ MARIA ISABEL V. GUERRA TRINE KROGH OIANE WALKER	31.07  :06.74   1:50.00   2:24.06   31.58  :08.77   1:51.27   2:24.55   31.76  :08.46   1:52.11   2:24.83   32.40  :09.30   1:52.80   2:25.90   31.71  :08.84   1:52.70   2:26.35   31.80  :09.07   1:52.61   2:27.42   AL MEDLEY   AUSTRALIA 5:11.89   N.ZEALAND 5:14.47   CZECHO. 5:18.53   USSR   5:20.05   W.GERHANY 5:32.31   IARGENTINA 5:24.27   W.GERHANY 5:32.31   IARGENTINA 5:44.22   HOLLAND   5:24.27   W.GERHANY 5:25.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.92   AUSTRALIA 5:24.31   DENMARK   5:25.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.09   BRAZIL   5:24.31   HORMAY   5:25.08   G.BRITAIN 5:25.08   G.BRITAIN 5:25.20   G.BRITAIN 5:25.20   G.BRITAIN 5:25.20   G.BRITAIN 5:25.08   G.BRITAIN 5:28.32   GREECE   5:32.49	HUNGARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISH1:01.64; GOSHI 1:01.88; TAKEMOTO 1:03.46; 4:08.36  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23) 1TALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.56) 4:10.70  SWITZERLAND (THOMET 1:03.25; DESRUNWER 1:02.58; FLAMAND 1:03.10; MONDO 1:01.68) 4:10.73  FINALS  USA (NEILSON, S.59.98; MEMP, J.58.99; BARK-MAN, J.59.03; BABSNOFF, S.58.18) W3:55.19 E.GERHAMY (WETZN, G.59.23; EIFE, A.55.96; SEMHISCK 59.09; ENDER, M.S. 92, 75:375.55  W.GERMANY (WEREN, J. 59.94; REINECK, H.59.02; BECKMANN, G.59.99; STEINBACH, A.59.07) 3:57.93  HUNGARY (GYARMATI, A.59.32; KORACHME-TUROC- ZIJ, J.1:00.85; KOVACS, E.1:01.12; PATOH, M. 59.06) 4:00.39  HUNGARY (GYARMATI, A.59.32; KORACHME-TUROC- ZIJ, J.1:00.85; KOVACS, E.1:01.22; PATOH, M. 59.06) 4:00.39  HUNGARY (GYARMATI, S. 9.46; RIJNOERS 1:00.65; BUNSCHOTEN 59.93; ELZERMAN1:01.24 4:01.49  SWEDEN (ZARNOVIECKI, A.1:01.16; ANDERSSON, I. 1:00.97)  CANADA (COOK, M. 1:00.98; WRIGHT, J.1:01.06; RONDEAU, M. 1:01.37; GLIFF, L. 1:00.41) 4:03.63  AUSTRALIA (PALMER, D. 1:02.02; FRANCIS, L. 1:01.09; BOOTH, S. 1:00.70; GOULD, S. 1:01.00  4x100 METER MEDLEY RELAY HEAT  USSR (LEKVEISHYHLI 1:06.97; STEPANOVA 1:16.01; USTINENKO 1:06.93; ZOLOTNICKAIA 1:00.42) WIKNER 1:05.82; ZARNOWIECKI 59.70)	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL  YOSHIMI NISHIGAMA BIRUTA UJKUPALITIE SUSANRI CHARDSON TUROCZI JUDIT KORACHNE TRINE KROGH FELICIA OSPITALETCHE  HEAT 6 SHAME GOULD ASMES KISSNE-KACZANDER YUKARI TAKEMOTO SUSANNE NISSNE-KACZANDER YUKARI TAKEMOTO SUSANNE NISSNE-KACZANDER KARIN BORMANN HELMI BORBERGER KOSELIM ÄNGEL	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:32.69 HYNGARY 2:32.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.05 G.BRITAIN 2:31.04 HOLLAND 2:32.92 FINLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:31.02 HOLLAND 2:32.59 G.BRITAIN 2:32.64 BRAZIL 2:32.95 G.BRITAIN 2:32.64 BRAZIL 2:32.95 USA 2:26.91 USA 2:26.61 USA 2:26.61 USA 2:24.92 JAPAN 2:36.64 HUNGARY 2:32.66 AUSTRALIN 2:31.24 HUNGARY 2:37.69  AUSTRALIA 2:36.44 HUNGARY 2:37.69  AUSTRALIA 2:26.44 HUNGARY 2:37.69  AUSTRALIA 2:26.44 HUNGARY 2:37.69  AUSTRALIA 2:26.44 HUNGARY 2:37.69  AUSTRALIA 2:26.44 HUNGARY 2:37.69	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAMA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELMI 80XBERGER SILVIA ELIZABETH BORGIN HEAT 2 HENNIE PENTERMANN MARLIES POHL JENNIFER MCHUGH CEBBIE BENGTSON EVA SIGG KAREN MOGAS KIRSTEN CAMPBELL  HEAT 3 LYNN VIDALI NOVELLA CALLIGARIS GERDA LASSOOIJ MARIA ISABEL V. GUERRA TRINE KROGH OIANE WALKER HELENE AULONITOU BEATRICE MOTTOULLE  HEAT 4 EVELIN STOLZE JENNY BARTZ	31.07  :06.74   1:50.00   2:24.06   31.58  :08.77   1:51.27   2:24.55   31.76  :08.46   1:52.11   2:24.83   32.40  :09.30   1:52.80   2:25.90   31.71  :08.84   1:52.70   2:26.35   31.80  :09.07   1:52.61   2:27.42   AL MEDLEY   AUSTRALIA 5:11.89   N.ZEALAND 5:14.77   CZECHO. 5:18.53   USA   5:20.5   W.GERHANY 5:21.97   G.BRITAIN 5:24.27   W.GERHANN 5:23.31   IARGENTINA 5:44.22   HOLLAND   5:24.27   W.GERHANN 5:25.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.93   AUSTRALIA 5:24.31   DENMARK   5:25.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.93   AUSTRALIA 5:24.31   DENMARK   5:25.08   G.BRITAIN 5:25.08   G.BRITAIN 5:25.08   G.BRITAIN 5:28.32   GREECE   5:32.49   BELGIUM   5:35.38   E.GERHANY 5:06.96   USA   5:07.31	HUNGARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAMANISHI1:01.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDMONSON 1:01.74; ALLARDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65;  MITZERLAND (THOMET 1:03.25; DEBRUMON 1:01.68) 4:10.73  FINALS  USA (NEILSON, S.59.98; KEMP, J.58.98; BARK-MAN, J.59.03; BARSNOFF, S.58.18) W3:55.19  E.GERMANY (WETZKO, G.59.23; EIFE, A.58.96; SEMHISCK 59.08; ENDER, K.58.27) -63:55.59  W.GERHANY (WETZKO, G.59.23; EIFE, A.58.96; SECHNISCK 59.08; ENDER, K.58.27) -63:55.59  HUNGARY (GYARMATI, A.59.32; KORACHME-TUROC-ZI, J.1.10.08; KOVACS, E.1:01.12; PATOH, M.59.06; BUNSCHOTEN 59.99; STEINBACH, A.59.07; BUNSCHOTEN 59.93; ELZERMANICOL-21; O.085; BUNSCHOTEN 59.93; BUNSCHOTEN 59.93; BUNSCHOTEN 59.93; BUNSCHOTEN 59.93; BUNSCHO	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LESLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL  LYNN VIDALI YOSHIMI NISHIGAWA BRUTTA UJKUPALTITE SUSAMRICHARDSON TUROCZI JUDIT KORACHNE TRINE KROCH FELICIA OSPITALETCHE  HEAT 6 SHAME GOULD ASMES KISSNE-KACZANDER YUKARI TAKEMOTO SUSANNE NIESNER KARIN BORMANN HELMI BORKERGER	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:23.68 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:32.59 G.BRITAIN 2:32.26 G.BRITAIN 2:32.64 GRAZIL 2:32.95 DENMARK 2:33.15  USA 2:24.92 JAPAN 2:26.61 USSR 2:31.11 G.BRITAIN 2:31.24 HUNGARY 2:36.27 URÜGUAY 2:37.69  AUSTRALIA 2:26.44 HUNGARY 2:36.27 URÜGUAY 2:37.69	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAWA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN NELAGH RATCLIFFE HELHI BOXBERGER SILVIA ELIZABETH BORGIN LENNIE PENTERHANN MARLIES POHL JENNIFER MCHUGH CEBBIE BEROTSON EVA SIGG KAREN MORAS KIRSTEN CAMPBELL  HEAT 3 LYNN VIOALI NOVELLA CALLIGARIS GERDA LASSOOIJ MARIA ISABEL V. GUERRA TRINE KROGH OIANE WALKER HELENE AVLONITOU BEATRICE MOTTOULLE  HEAT 4 EVELIN STOLZE JENY BARTZ NINN PETROVA	31.07   1:06.74   1:50.00   2:24.06   31.58   1:08.77   1:51.27   2:24.55   31.76   1:08.46   1:52.11   2:24.83   32.40   1:09.30   1:52.86   2:25.90   31.71   1:08.84   1:52.70   2:26.35   31.80   1:09.07   1:52.61   2:27.42   AL MEDLEY   AUSTRALIA   5:11.89   N.ZEALAND   5:14.47   CZECHO.   5:18.53   USSR   5:20.05   USSR   5:20.05   USSA   5:20.25   USA   5:24.33   USA   5:24.33   USA   5:24.33   USA   5:24.33   USA   5:29.97   USA   5:29.98   USA   5:29.99   USSR   5:35.38   E.GERHANY   5:06.96   USSR   5:35.38   E.GERHANY   5:35.38   E.GERHANY   5:35.38   E.GERHANY   5:35.38   E.GERHANY   5:35.38   E.GERHANY   5:35.38   E.GERHANY   5:35.38	HUNGARY (GYARMATI 1:00.77; KORACHME 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAMA 1:01.34; KAWANISH 1:01.64; GOSHI 1:01.88; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23) 4:09.51  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.66; GORGERINO 1:03.07; STABILINI 1:02.56) 4:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNWER 1:02.58; FLAMAND 1:03.10; MONDO 1:01.68) 4:10.73  FINALS  USA (NEILSON, S. 59.98; KEMP, J. 58.99; BARK-MA, J. 59.03; BABSANOFF, S. 58.18) W3:55.19  E.GERMANY (WETZNO, S. 59.23; EIFE, A. 58.96; SEMHISCK 59.08; ENDER, M. 59.27; F3:55.55  W.GERMANY (WETZNO, S. 59.23; EIFE, A. 58.96; SEMHISCK 59.08; ENDER, M. 59.27; F3:55.55  W.GERMANY (WETZNO, S. 59.32; KORACHME-TURGC- 21, J. 1:00.85; KOVACS, E. 1:01.12; PATOH, M. 59.06)  MUNGARY (GYARMATI, A. 59.32; KORACHME-TURGC- 21, J. 1:00.85; KOVACS, E. 1:01.12; PATOH, M. 59.06)  MEDICAL (BRIGHITA 59.46; RIJNOERS 1:00.65; BUNSCHOTEN 59.93; ELZERMAN 1:01.24; 1:01.49- SMEDEN (ZARNOVIECKI, A. 1:01.16; ANDERSON, E. 1:00.27; COLON, M. 1:00.98; WRIGHT, J. 1:01.04; ROMADA (COOK, M. 1:00.98; WRIGHT, J. 1:01.05; ROMEAU, M. 1:01.37; CLIFF, L. 1:00.41)  AUSTRALIA (PALMER, D. 1:02.02; FANOLS, L. 1:01.09; BOOTH, S. 1:00.70; GOULD, S. 1:01.09; BOOTH, S. 1:00.70; GOULD, S. 1:01.09; HEAT I USSR (LEXVEISHYHLI 1:00.97; STEPANOVA 1:16.01; USTINENKO 1:06.93; ZOLOTNICKAIA 1:00.42)  WINNER HEAT I USSR (LEXVEISHYHLI 1:00.97; STEPANOVA 1:16.01; USTINENKO 1:06.93; ZOLOTNICKAIA 1:00.42)  WINNER 1:05.82; ZARNOWIECKI 59.70  #131.88  HOLLAND (BRIGITHA 1:07,02; TERIET 1:18.12;	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER CAROLYN WOODS SUSAN HUNTER WIJDA MAZEREEUV AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL  YOSHIMI NISMIGAMA BIRUTA ULKUPALITIE SUSARRI CHARDSON TUROCZI JUDIT KORACHNE TRINE KROCH FELICIA OSPITALETCHE  HEAT 6 SHANE GOULD ACHE SISSNE-KACZANDER YUKARI TAKEMOTO SUSANNE NISSNE-KACZANDER YUKARI TAKEMOTO SUSANNE NISSNE-KACZANDER YUKARI TAKEMOTO SUSANNE ROGHANN HELMI BOXBERGER ROSELINA ÅNGEL ONG MEILIN	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:32.99 HUNGARY 2:32.90 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.59 FINLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:32.64 BRAZIL 2:32.95 G.BRITAIN 2:32.64 BRAZIL 2:32.95 CENMARK 2:26.61 USSR 2:26.61 USSR 2:33.15  USA 2:26.61 USSR 2:31.11 G.BRITAIN 2:32.64 HUNGARY 2:33.67 M.GERMANY 2:31.24 HUNGARY 2:36.27 URUGURAY 2:37.69  AUSTRALIA 2:26.44 HUNGARY 2:36.27 URUGURAY 2:37.69  AUSTRALIA 2:26.44 HUNGARY 2:33.71 COLOMBIA 2:35.46 MALAYSIA 2:45.46 MALAYSIA 2:45.46 MALAYSIA 2:45.46	LESLIE CLIFF CANADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAMA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELHI BOXBERGER SILVIA ELIZABETH BORGIN HEAT 2 HENNIE PENTEMHANN MARLIES POHL JENNIFER MCHUGH CEBBIE BENGTSON EVA SIGG KAREN MORAS KIRSTEN CAMPBELL  LYNN VIOALI I NOVELLA CALLIGARIS GERDA LASSOOIJ MARIA ISABEL V. GUERRA TRINE KROGH OIANE WALKER HEAT 4 EVELIN STOLZE JENNY BARTZ NINA PETROVA YUKARI TAKEMOTO WIJDA MAZEREEUW	31.07   1:06.74   1:50.00   2:24.06   31.58   1:08.77   1:51.27   2:24.55   31.76   1:08.46   1:52.11   2:24.83   32.40   1:09.30   1:52.86   2:25.90   31.71   1:08.84   1:52.70   2:26.35   31.80   1:09.07   1:52.61   2:27.42   AL MEDLEY   AUSTRALIA   5:11.89   N.ZEALAND   5:14.47   CZECHO.   5:18.53   USSR   5:20.05   USSR   5:20.05   USA   5:07.31   USA   5:22.92   AUSTRALIA   5:14.99   E.GERMANY   5:32.31   ARGENTINA   5:44.22   HOLLAND   5:14.93   E.GERMANY   5:22.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.92   AUSTRALIA   5:24.30   DENMARK   5:22.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.92   GREECE   5:32.49   BELGIUM   5:25.97   E.GERMANY   5:25.97   USA   5:09.67   USA   5:09.67   USA   5:09.67   USA   5:09.67   USA   5:20.92   E.GERMANY   5:25.98   E.GERMANY   5:25.98   E.GERMANY   5:33.42   JAPAN   5:20.88   HOLLAND   5:22.98   HOLLAND   5:22.98   HOLLAND   5:22.98   E.GERMANY   5:08.96   E.GERMANY   5:08.96   E.GERMANY   5:08.96   E.GERMANY   5:08.96   E.GERMANY   5:08.96   E.GERMANY   5:08.96   E.GERMANN   5:20.89   HOLLAND   5:22.08	HUNCARY (GYARMATI 1:00.77; KORACHNE 1:01.55; KOVACS 1:01.82; PATOH 1:00.13) 4:04.29  JAPAN (NISHIGAWA 1:01.34; KAWANISHI:101.64; GOSHI 1:01.68; TAKEMOTO 1:03.46; 4:08.34  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; EDHONDSON 1:01.74; ALLARDICE 1:01.23)  ITALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAMAND 1:03.10; MONOD 1:01.68) 4:10.73  FINALS  USA (NEILSON,S.59.98; KEMP, J.58.99; BARK-MAN, J.59.03; BARSNOFF, S.58.18) W3:55.19 E.GERMANY (WETZKO,G.59.23; EIFE, A.58.96; SCHHISCH 59.08; ENDER, K.58.27) *E3:55.55  W.GERMANY (WETZKO,G.59.23; EIFE, A.58.96; SCHHISCH 59.08; ENDER, K.58.27) *E3:55.55  W.GERMANY (WETZKO,G.59.23; EIFE, A.58.96; BCKMANN,G.59.99; STEINBACH, A.59.07; BECKMANN,G.59.99; STEINBACH, A.59.07; BUNGARY (GYARMATI, A.59.32; KORACHNE-TUROC-ZI, J.11:00.88; KOVACS, E.1:01.12; PATOH, M.59.06; BUNSCHOTEN 59.99; ELEZERMANIO1.24; M:01.99  MULLAND (BRIGHITA 59.46; RIJNDERS 1:00.85; BUNSCHOTEN 59.99; ELEZERMANIO1.24; M:01.99  SWEDEN (ZARNOMIECKI, A.1:01.16; ANDERSSON, E. 1:00.25; OLSSON, D.1:00.30; JOHANSSON, I. 1:00.20; FRANCIS, L. 1:00.25; OLSSON, D.1:00.30; JOHANSSON, I. 1:00.30; JOHA	OF THE 29 FINALS
HEAT 2 EVELIN STOLZE LEGLIE CLIFF JAROSLAVA SLAVICKOVA HENNIE PENTERMANN EVA KISS YUE-YUN HSU ROSARIO BALLESTEROS  HEAT 3 JENNY BARTZ BRIGITTE SCHUCHARDT MARTHA NELSON SHELAGH RATCLIFFE GERDA LASSOOIJ EVA SIGG GISELA CEREZO  HEAT 4 KORNELIA ENDER WIJDA MAZEREEUW AVIS WILLINGTON MARIA ISABEL V. GUERRA KIRSTEN CAMPBELL YOSHIMI NISHIGAMA BIRUITA LUKUPAITITE SUSAMRICHARDSON TUROCZI JUDIT KORACHNE TRINE KROCH FELICIA OSPITALETCHE  HEAT 5 SHANE GOULD ASNES KISSNE-KACZANDER YUKARI TAKEMOTO SUSANNE NIESNER KARIN BORMANN HELMI BOXBERGER ROSELIMA ÅNGEL ONG MEI—LIN	ARGENTINA 2:42.08  E.GERM 2:25.45 CANADA 2:25.59 CZECHO. 2:27.33 HOLLAND 2:32.99 HUNGARY 2:32.90 CHINA 2:35.93 MEXICO 2:37.00  USA 2:25.83 E.GERMANY 2:30.04 CANADA 2:30.51 G.BRITAIN 2:31.04 HOLLAND 2:32.59 FINLAND 2:33.61 VENEZUELA 2:35.34  E.GERM. 2:25.39 USA 2:26.98 N.ZEALAND 2:30.29 HOLLAND 2:32.59 G.BRITAIN 2:32.64 BRAZIL 2:32.95 G.BRITAIN 2:32.64 BRAZIL 2:32.95 CENMARK 2:26.61 USSR 2:26.61 USSR 2:33.15  USA 2:26.61 USSR 2:31.11 G.BRITAIN 2:32.64 HUNGARY 2:33.67 M.GERMANY 2:31.24 HUNGARY 2:36.27 URUGURAY 2:37.69  AUSTRALIA 2:26.44 HUNGARY 2:36.27 URUGURAY 2:37.69  AUSTRALIA 2:26.44 HUNGARY 2:33.71 COLOMBIA 2:35.46 MALAYSIA 2:45.46 MALAYSIA 2:45.46 MALAYSIA 2:45.46	LESLIE CLIFF CAMADA EVELIN STOLZE E.GERM. YOSHIMI NISHIGAMA JAPAN CAROLYN WOODS USA  400 METER INDIVIDU HEAT I GAIL NEALL SUSAN HUNTER JAROSLAVA SLAVICKOVA BIRUTA UJKURAITITE HELGA NIEMANN SHELAGH RATCLIFFE HELMI BOXBERGER SILVIA ELIZABETH BORGIN HAT 2 HENNIE PENTERMANN MARLIES POHL JENNIFER MCHUGH CEBBIE BENGTSON EVA SIGG KAREN MOGRAS KIRSTEN CAMPBELL  WHEAT 3 LYNN VIOALI NOVELLA CALLIGARIS GERDA LASSOOIJ MARIA ISABEL V. GUERRA TRINE KROGH OLANE MALKER HELENE AVLONITOU BEATRICE MOTTOULLE  LENY BARTZ NINN PETROVA YUKARI TAKEMOTO	31.07   1:06.74   1:50.00   2:24.06   31.58   1:08.77   1:51.27   2:24.55   31.76   1:08.46   1:52.11   2:24.83   32.40   1:09.30   1:52.86   2:25.90   31.71   1:08.84   1:52.70   2:26.35   31.60   1:09.07   1:52.61   2:27.42   AL MEDLEY   AUSTRALIA   5:11.89   N.ZEALAND   5:14.47   CZECHO.   5:18.53   USSA   5:20.05   W.GERHANY   5:21.97   W.GERHANY   5:21.97   G.BRITAIN   5:24.27   W.GERHANY   5:21.97   CANADA   5:14.49   E.GERHANY   5:20.58   CANADA   5:20.58   CANADA   5:20.59   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.98   BRAZIL   5:24.13   DENMARK   5:25.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.98   BRAZIL   5:24.13   DENMARK   5:25.97   USA   5:09.67   ITALY   5:11.16   HOLLAND   5:22.98   BRAZIL   5:24.43   NORMAY   5:25.98   E.GERHANY   5:26.96   USA   5:09.67   USA   5:07.31   USA   5:09.31   USA   5:07.31   USA   5:07.31   USA   5:07.31   USA   5:09.36	Hungary (Gyarhati 1:00.77; Korachwe 1:01.55; Kovacs 1:01.82; Patoh 1:00.13) 4:04.29  Japan (Nishigawa 1:01.34; Kawanishi1:01.64; GOSHI 1:01.68; Takemoto 1:03.46; 4:08.36  GR.BRITAIN (SUTHERLAND 1:03.36; SIRS 1:03.17; Edmondson 1:01.74; ALLARDICE 1:01.23) 1:04.17; Edmondson 1:01.74; ALLARDICE 1:01.23) 1:1ALY (POSESTA 1:02.44; LANFREDINI 1:02.62; GORGERINO 1:03.07; STABILINI 1:02.65; A:10.70  SMITZERLAND (THOMET 1:03.25; DEBRUNNER 1:02.68; FLAHAND 1:03.10; MONDD 1:01.68) 4:10.73  FINALS  USA (NEILSON,S.59.98; KEMP, J.58.99; BARK-HAN, J.59.03; GARSNOFF, S.50.18) W3:55.19 E.GERMARY (WETZN,G.59.23; EIFE, A.56.96; SEMHISCR 59.09; FROER, K.58.27; F13:55,55 W.GERMARY (WEREN, J.59.84; REINECK, H.59.02; BECKMANN,G.59.99; STEINBACH, A.59.07) -3:57.93  HUNGARY (GYARHATI, A.59.32; KORACHNE-TUROC- 21,J.1:00.85; KOVACS,E.1:01.2; PATOH, M. 59.06)  HOLLAND (BRIGHITA 59.46; RIJNDERS 1:00.85; BUNSCHOTEN 59.93; ELZERMANI:01.24):01.99  SWEDEN (ZARNOVIECKI, A.1:01.16; ANDERSSON, E. 1:00.25; OLSSON, D.1:00.30; JOHANNSSON, I. 1:00.97)  CANADA (COOK, W.1:00.98; WRIGHT, J.1:01.06; RONDEAU, M.1:01.37; CLIFF, L.1:00.41) -4:03.63  AUSTRALIA (PALMER, D.1:02.02; FRANCIS, L. 1:01.09; BOOTH, S.1:00.70; GOULD, S. 1:01.00  **4:04.82  **AUO METER MEDLEY RELAY HEAT  USSR (LEKVEISWYLLI 1:06.97; STEPANOVA 1:66.01; USTINENKO 1:06.93; ZOLOT- NICKAIA 1:00.42) -**WINNER 1:05.82; ZARNOWIECKI 59.70)  WIKNER 1:05.82; ZARNOWIECKI 59.70  WIKNER 1:05.82; ZARNOWIECKI 59.70  WINNER 1:05.82; ZARNOWIECKI 59.70  WHOLLAND (BRIGHITHA 1:07.02; TERIET 1:18.12; BUSS 1:06.65; PLINDERS 1:00.39) 4132.20	OF THE 29 FINALS

FALK HOFFMANN E.GERM. 436.71	291.54	PLATFORM DIVE FIN  SWED 390		OATE GROUP GAME TEA		I 39 HUNG. 8 ITALY 7 I 40 USA 4 W.GER 4 I 41 USSR 5 YUGO 4
OONALD WAGSTAFF ALLIA 435.84 ALEK.GENDRIKSON USSR 431.04 JACQUES DESCHOUVER FRANCE	290.64 305.84 287.04	MILENA DUCHKOVA CZECH 370 MARINA JANICKE E.GER 360	.92 225.00 .54 206.73	8 28 W.G 8/31 C 29 IT/ A 30 Cus	ALY 12 JAPAN 5	9/2     42 ROMANIA 4 BULG. 3     43 SPAIN 8 ATLIA 4     44 HOLL B CUBA 6
JOSE ROBINSON MEXICO PORFIRIO SECERRIL MEXICO	284.58 282.57 281.55	JANET ELY USA 352 MICKI KING USA 346 SVIVIA FIFDLER E.GER 341	.38 205.0B	8 31 W.G A 32 USA	GER 6 A'LIA 3 A 5 YUGO 3	1 45 YUGO 6 ITALY 6 1 46 US38 4 W.GER 2
KARL HEINZ SCHWEMMER W.GERM. JAKUB PUCHOW POLAND NIKOLA STAJKOVIC AUSTRIA	281.34 280.29	SYLVIA FIEDLER E.GER 341 NANCY ROBIRTSON CAN 334 INGEBORG PERTMAYR A'TRIA321	.02 196.26	°C 34 SP	LLAND 6 GREECE 2 AIN 6 SULGARIA 4 MANIA 9 MEXICO 6	I 47 HUNG 5 USA 3 9/3 II 48 A'LIA 4 BULG. 4
Nikola Stajkovic Austria Junji Yuasa Japan Ron Friesen Canada	276.00 272.94	KATHY ROLLO CAN 317 ALLA SELINA USSR 314	.76 188.13		MANIA 9 MEXICO 6 OAL <u>Scores</u>	11 49 HOLLAND 5 ROMANIA 5 11 50 CUBA 4 SPAIN 3
FRANK DUFFICY G.BRITAIN ANDREW MICHAEL GILLG. BRITAIN	271.77 268.68	ELZBIETA WIERNIUK POLANDSIO SEVERLEY WILLIAMS G.BR. 301	.08 188.10 .26 188.58 184.02	NAME	GAMES COUNTRY GOALS	1 51 W.Ger. 2 ITALY 2 1 52 Hungary 4 Yugo 2 1 53 USA 6 USSR 6
WOLFRAM RISTAU E.GERMANY BERNO WUCHEPPFENNIGW.GERMANY	268.59 267.87	NATALIA KUZNECOVA USSR BEVERLY BOYS CANADA MAYIF MICHAEL W.GERMANY	183.99	BRUCE BRADLEY CARLOS SANCHES	5 USA 10 5 CUBA 10 5 MEXICO 10	9/4 11 54 CUBA 4 BULG 4 11 55 ROMANIA 5 A'LIA 3
ION GANEA ROMANIA DIEGO HENAO GOLOMBIA CONTT CHANNAM GANADA	265.83 264.27 263.52	MAXIE MICHAEL W.GERMANN MELANIA DECUSEARA ROMANIA REGINA KRAJNOW POLAND	182.82 179.79	ARMANDO FERNANDEZ OONALD PACKER JUAN JANE	5 CANADA 9 4 SPAIN 9	II 56 HOLLAND 7 SPAIN 5 I 57 YUGO. 5 W.GER 4
SCOTT CRANHAM CANADA BRIAN WETHERIDGE G.SRITAIN KEN SULLY CANADA	262.59 262.26	HELEN MARY KOPPELLG . BRITAIN TATJANA SHTYREVA USSR	177.33	VIOREL RUS ANATOLI AKINOV	5 ROMANIA 8 4 Russia 7	1 58 USA 6 ITALY 5. 1 59 USSR 3 HUNGARY 3
KLAUS KONZORR W.GERMANY HECTOR BAS PUR	260.01 254.79	8.GERTHA BARALDI MEXICO CYNTHIA POTTER USA	174.21 173.82 172.65	DINO POTESCH ALLESANDROGHIBELL	5 ROMANSA 7 INI 4 ITALY 7 5 ROMANSA 7	HIGH GOAL SCORERS
KENNETH GROVE AUSTRALIA RUDOLF KRUSPEL AUSTRIA	254.73 248.07	LAURA KIVELAE FINLAND KEIKO OTSUBO JAPAN URSULA SAPP W.GERMAN	169.24	CLAUDIO RUSU GIANNE DEMAGISTRE	7	NAME GAMES COUNTRY GOAL CARLOS SANCHEZ 9 CUBA 18
JORGE HEAD SPAIN SANDRO ROSSI SWITZERLAND	243.27 225.87	URSULA SAPP W.GERMAN CARMEN NUNEZ SPAIN ANNE JONES AUSTRALI.	157.95		ROUND STATISTICS	BRUCE BRADLEY 9 USA 17 JUAN JANE B SPAIN 16
WOMEN 3 METER SPRINGBOARD DIVE		ANNITA SMITH HOLLAND	156,99	Fou	THROW  LS KICKOUT GOALS  ISAINST FOUL FOR-AGAINS	MART BRAS 8 HOLLAND 16 GHEDRGHE ZAMFIRRESCU 9 ROMANIA 12
FINALS	PRELIM 289.14	XX OLYMPIAD WATER	POLO	Russia 4 148 -		TOMA TOMOY 8 BULGARIA 12 ERALDO PIZZO 8 ITALY 12
ULRIKA KNAPE SWEDEN434-19	292.59 273.48	PRELIMINARY ROUND R	_	Fung. 4 116 - USA 5 256 -		LESLIE NUNN 8 A'LIA 12 GIANNI DEMAGISTRIS 8 ITALY 11 ALEXANDR DREVAL 8 USSR 11
JANET ELY USA 420.99 BEVERLY BOYS CAN. 418.89	269.91 274.35	DATE GROUP GAME TEAM SCOR	CANADA 4	Co	- PRELIMINARY ROUND	INSULF NOSSER B W.GERMANY 11
AGNETA HENRIKSSON SWED 417.48	290.79 264.90	B 2 Hung. 3 C 3 Spain 6 A 4 Cuba 6	HOLLAND O Japan 4 Mexico 4	A USA 5 31-	AGNST WON LOST THE PTS	FINAL ROUND STATISTICS FREE THROW
ELZBIETA WIERNIUK POLAND408.36 HEIDI SECKER E.GER 405.78 MILENA DUCHKOVA CZECH 400.83	278.88 281.58 263.55	A 4 CUBA 6 B 5 A'LIA 7 C 6 RUSSIA 4	GREECE 7	Yugo 5 35-7 Cuba 5 28-7 Rom. 5 38-7	23 3 2 0 6	FOULS KICK-OUT GOALS  TEAM GAMES FOR-AGAINST FOUL FOR-AGAINST
MILENA DUCHKOVA CZECH 400.83 CHRISTA KOEHLER E.GER 394.20 ALISON JEAN DRAKE G.BRIT378.18	278.88 262.32	A 7 USA 4 B/28 B 8 HOLLAND 4	ROMANIA 3 A'LIA 2	Mex. 5 25= Can. 5 14=	30 1 4 0 2	USSR 8 336 - 285 41 22 - 16 Hungary 8 247 - 357 51 23 - 18
MICHAELA HERWECK W.GERMANY Natalia Kushecova USSR	261.78 258.45	C 9 RUSSIA II A 10. USA 7 C 11 ITALY B	JAPAN 1 CUBA 6 BULGARIA 5	8 Hung. 4 22- W.GER 4 21-		USA 9 400 - 377 49 24 - 23  Final Round Standings
BERTHA BARALDI MEXICO TATJANA SHTYREVA USSR TAMARA SAFONOVA USSR	252.66 252.42 252.09	A 12 MEXICO 7	- CANADA 3 HUNGARY 3	HOLL. 4 14- A'LIA 4 14-	11 2 2 1 5 27 0 3 1 1	GOALS
REGINA KRAJNOW POLAND TERI YORK CAMADA	248.91 247.14	A 14 YUGO 8 8/29 B 15 W.GER. 4	ROMANIA 7 HOLLAND 4	GREECE 4 13- C RUSSIA 4 30-	9 4 0 0 8	TEAM GAMES FOR-AGNST WON LOST TIE PTS 1 USSR 5 22 - 16 3 0 .2 8
ELIZABETH CARRUTHERS CANADA SORANA PRELIPCEANU ROMANIA	243.84	C 17 Russia 7	CANADA I BULGARIA 2 MEXICO 3	1TALY 4 27- SPAIN 4 19-	-22 2 2 0 4	Hung. 5 23 - 18 3 0 2 8 USA 5 24 - 23 2 1 2 6 W.Ger. 5 15 - 18 0 2 3 3
HELEN MARY KOPPELL G.BRITAIN MARIETTE DOMMERS HOLLAND TARKO KURO JAPAN	242.22 239.40 236.25	8 19 HUNGARY 6	GREECE I ROMANIA 3	BULG. 4 18- Japan 4 14-	20	Yugo 5 20 - 24   3   3   TALY 5 21 - 26   0 3   2   2
TAEKO KUBO JAPAN Laura Kivelae Finland Anne Jones Australia	236.25 232.44	C 21 1TALY 6 8/30 A 22 YUGO 7	SPAIN 2 CUBA 5		UND RESULTS	II HOLLANDS 29 - 20 4 0 1 9 ROMANIAS 24 - 19 3 1 1 7
MELANIA DECUSEARA ROMANIA CHRISTINE WILLES FRANCE	232.02 229.56	C 23 BULGARIA7 A 24 ROMANIAI6	JAPAN 4 CANADA 4 SPAIN 5	9/1 11 36 R	CAM SCORE TEAM SCORE OMAN. 7 SPAIN 4 OLL. 5 BULG. 2	CUBA 5 24 - 23 3 1 1 7 Spain 5 26 - 26 2 3 0 4
BETSY SULLIVAN JAMAICA Mirnawati Hardjolukito Indones	210.39 188.94		•		OLL. 5 BULG. 2 UBA 6 A'LIA 5	8ulg. 5 17 - 23 2 3 0 2 A'lia 5 18 - 27 0 4 1 1
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NATIONAL JUNIOR OLYMPICS SPOKANE, WASH.	PAULA	BACKSTROKE CRAWFORD, BALT.MD 1:10.61		AC.CALIF. 1:07.57	FOURTH ANNUAL FITZGE NATIONAL HONORARY N	1EET 200 YD FREESTYLE
SPOKANE, WASH. Aug.15-17,1972 50 M Pool	Paula LuAnne Sarah	CRAWFORD, BALT.MD 1:10.61 E CRAMER, FRESNO CALT:10.79 SHANNON, COLO 1:12.41	JEFF FLOAT, S BRAD WENDLER, OAN MENICHELL	AC.CALIF. 1:07.57 NY 1:07.66 A, PENN 1:10.00		MEET         200 YD FREESTYLE           CINDY BROWN, GCPR         2:13.1           YD POOL         MEGAN MONTAGUE, GPPSC         2:14.8
SPOKANE, WASH. AUG.15-17,1972 50 M POOL GIRLS 11-12 100 M FREESTYLE	PAULA LUANNE SARAH CHERYI HOLLY	CRAWFORD, BALT.MD 1:10.61 E CRAMER, FRESNO CALL:10.79 SHANNON, COLO 1:12.41 L CARPENTER, NY 1:12.85 RADEBACH, MINN. 1:13.36	JEFF FLOAT, S BRAD WENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID	AC.CALIF. 1:07.57 NY 1:07.66 A, PENN 1:10.00 NDIANA 1:10.25 . ALABAMA 1:10.27 UAL MEDLEY	NATIONAL HONORARY N Warren, Mich. July 29-30,1972 25 GIRLS	1EET   200 YD FREESTYLE   CIMOY BROWN, GCPR   2:13.1   YD POOL   MESAN MONTAGUE, GPPSC   2:14.8   PEG MALDONADO, LASC   2:15.4   50 YD 8ACKSTROKE
SPOKANE, WASH. AUG.15-17,1972 50 M POOL  GIRLS  11-12  100 M FREESTYLE  DIANN DUNLEYY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90	PAULA LUANNE SARAH CHERYL HOLLY 100 M GINA I KIM SE	CRAMEGORO, BALT, MD 1:10.61 CRAMER, FRESNO CALI:10.79 SHANNON, COLO 1:12.41 L CARRENTER, NY 1:12.85 RAGEBACH, MINN. 1:13.36 BREASTSTROKE ITTNER, LA.CALIF 1:20.26 HETTLE, BALT., MO 1:20.71	JEFF FLOAT, S BRAD WENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID DAVID NELSON, JAMES JOHNSON	AC.CALIF. 1:07.57 NY 1:07.66 A, PENN 1:10.00 NDIANA 1:10.25 ALABAMA 1:10.27 UAL MEDLEY CALIF. 2:30.65 , ARIZONA 2:32.39	NATIONAL HONORARY N Warren, Mich. July 29-30,1972 25	15ET   200 YO FREESTYLE   CINDY BROWN, GCPR   2:13.1     YO POOL
SPOKANE, WASH. AUG.15-17,1972 50 M POOL  GIRLS  11-12 100 M FREESTYLE DIANN DUNLEYY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAML.MAD.WIS.VII 1:04.99 MAR.GALLAGHER, PENN.II 1:04.99	PAULA LUANNE SARAH CHERYL HOLLY 100 M GINA I KIM SH JANICE DEBRA	CRAWFORD, BALT.MD 1:10.61 E CHAMER, FRESNO CAL 1:10.79 SHANDON, COLO 1:12.41 L CARZENTER, NY 1:12.85 RADEBACH, MINN. 1:13.36 BREASISTROKE 1TTRER, LA.CALIF 1:20.26	JEFF FLOAT, S BRAD WENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, ROBERT HACKET	RE.CALIF. 1:07.57 NY 1:07.66 A, PENN 1:10.05 ND IANA 1:10.25 . ALABAMA 1:10.27 JULL MEDLEY CALIF. 2:30.65 , ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T, YOMKERS 2:36.98	MATIONAL HONORARY N MARREN, MICH. JULY 29-30,1972 25 GIRLS 10 & UNDER 50 YO FREESTYLE ANN GROVER, BCSC L. LARSEN, BCSC GAIL SNUK, GCPR	15ET   200 YD FREESTYLE   CINDY BROWN, GCPR   2:13.1
SPOKANE, WASH.  AUG.15-17,1972 50 M POOL  GIRLS 11-12 100 M FREESTYLE DIANN DUNLEYY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAHL MAD. WIS. VII 1:04.84 MAR. GALLAGHER, PERN. II 1:04.84 MAR. GALLAGHER, PERN. II 1:05.87 100 M BACKSTROKE SUE BIRG. SANFEBRO, CAL 1:12.15	PAULA LUANNE SARAH CHERYL HOLLY 100 M GINA I KIM SH JANICE DEBRA PEGGY 100 M MAUREE	CRAWFORD, BALT, MD 1:10.61  SNANNON, COLO 1:12.41  L CARRENTER, NY 1:12.85  RADEBACH, MINN. 1:13.36  BHEASISTICKE  ITTNER, LA.CALIF 1:20.26  HETTLE, BALT., MD 1:20.71  E KESSEL, CHIC. LLL 1:22.21  VEYVOOA, NY 1:22.42  ZAPPONE, SPOKANE 1:24.32  BUTTERFLY  BUTTERFLY  M MORTELL, CONN. 1:09.11	JEFF FLOAT, S BRAD WENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, ROBERT HACKET MIKE CLAIRMON	AC.CALIF. 1:07.57 NY 1:07.66 N. PENN 1:10.00 NOIANA 1:10.25 . ALABAMA 1:10.27 UAL MEDLEY CALIF. 2:30.65 N. ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T., YONKERS 2:36.98 T., MO. 2:37.40	NATIONAL FORMARY N WARREN, MICH. JULY 29-30,1972 25 GIRLS 10 & Under 50 YD FREESTYLE ANN GRUVER, BCSC L. LARSEN, BCSC	15ET   200 YD FREESTYLE   CINDY BROWN, GCPR   2:13.1     YD POOL   MEGAN MONTAGUE, CPPSC   2:14.8     PEG MALDONADO, LRSC   2:15.4     50 YD BACKSTROKE   JANIE COX, GPSC   31.8     LORI LOOMIS, GCPR   32.0     30.2   CINDY BROWN, GCPR   32.0     31.1   100 YD BACKSTROKE   1:07.0     JAMIE COX, GPSC   1:10.5     2:26.1   CINDY BROWN, GCPR   1:10.9
SPOKANE, WASH. AUG.15-17,1972 50 M POOL  GIRLS 11-12 100 M FREESTYLE DIANN DUNLEYY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAML.MAD.WIS.VII 1:04.99 JAMIE DURHAM, WASH.XIV 1:05.87 100 M BACKSTROKE SUE BIRD, SAWPEDRO, CAL 1:12.15 LISA HILGER, COLO X 1:12.36 MONICA RAUY, 180. VI 1:14.22	PAULA LUANNE SARAH CHERYL HOLLY 100 M GINA I KIM SP JANICE DEBRA PEGGY 100 M MAUREE ROSEM DEBBIE	CRAWFORD, BALT, MD 1:10.61  E CRAMER, FRESNO CALI:10.79  SNANNON, COLO 1:12.41  L CARZENTER, NY 1:12.85  RAGEBACH, MINN. 1:3.36  BEASTSTROKE  ITTHER, LAC. CALIF 1:20.26  HETTIER, BALT., MD 1:20.71  E KESSEL, CHIC. ILL 1:22.21  VEYVOOA, NY 1:22.42  ZAPPONE, SPOKAME 1:24.32  BUTTERFLY  EN MORTELL, CONN. 1:09.11  RAY SEAMAN, FLA. 1:09.12  E LOOB, SAN PEORO 1:10.12	JEFF FLOAT, S  BRAD MENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, ROBERT HACKET MIKE CLAIRMON	AC.CALIF. 1:07,57 NY 1:07,66 N, Penn 1:10.00 NDIANA 1:10.25 . ALABAMA 1:10.27 JAL MEGLEY CALIF. 2:30,65 , ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T, YONKERS 2:37,40  13-14 LE ER, ALABAMA 56,90	MATIONAL HONORARY N MARREN, MICH. JULY 29-30,1972 25  GIRLS 10 & UNDER 50 YO FREESTYLE ANN GRUVER, BCSC L. LARSEN, BCSC GAIL SNUK, GCFR 200 YO FREESTYLE GAIL SNUK, GCFR ANN GRUVER, BCSC PENNY CURRIE, UNATT 50 YO BACKSTROKE	15ET   200 YO FREESTYLE   2013   1
SPOKANE, WASH. AUG.15-17,1972 50 M POOL  GIRLS 11-12 100 M FREESTYLE DIANN DUNLEVY, MINNIXI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAHL MAD.WIS.VII 1:04.84 MAR.GALLAGHER, PENNIII 1:04.84 MAR.GALLAGHER, PENNIII 1:04.87 100 M BACKSTROKE SUE BIRD, SAMPEDRO, CAL LISA HILGER, COLO X 1:12.36 MONICA RUDY, IND. VI 1:14.22 KELLY PEYTON, ORE.XII 1:14.24 MEG MCCULLY, FLA. IV 1:14.35	PAULA LUANNE SARAH CHERYI HOLLY 103 M GIMA KIM SF JANICE DEBRA PEGGY 100 M MAUREI SUE GR MEG GE 200 M	CRAMPORD, BALT, MD 1:10.61  SHANNON, COLO 1:12.41  L CARPENTER, NY 1:12.85  RADEBACH, MINN. 1:33.36  BELASISTROKE  ITTNER, LA.CALIF 1:20.26  HETTLE, BALT., MD 1:20.71  E KESSEL, CHIC. ILL 1:22.21  VEYVOOA, NY 1:22.42  ZAPPONE, SPOKANE 1:24.32  BUTTERFLY  EN MORTELL, CONN. 1:09.11  RRY SEAMAN, FLA. 1:09.12  RUSTANAN, FLA. 1:09.13	JEFF FLOAT, S BRAD WENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, ROBERT HACKET MIKE CLAIRMON	AC.CALIF. 1:07.57 NY 1:10.00 N PENN 1:10.25 ALABAMA 1:10.27 JAL MEDLEY CALIF. 2:30.65 ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T, YOMKERS 2:36.98 T, MO. 2:37.40 LBE ER, ALABAMA 56.90 LAUD. FLA 57.79 LOOI,CALIF 57.81	HATIONAL HONGRAPY N WARREN, MICH. JULY 29-30,1972 25 GIRLS 10 & Under 50 YD FRESTYLE ANN GRUVER, BCSC L. LARSEN, BCSC GAIL SHUK, GCFR 200 YO FRESTYLE GAIL SHUK, GCFR ANN GRUVER, BCSC PENNY CURRIE, UNATT 50 YD BACKSTROKE LISA LARSEN, ECSC GAIL SHUK, GCFR	15ET
SPOKANE, WASH. AUG.15-17,1972 50 M POOL  GIRLS 11-12 100 M FREESTYLE DIANN DUNLEYY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAML.MAD.WIS.VII 1:04.99 JAMIE DURHAM, WASH.XIV 1:05.87 100 M BACKSTROKE SUE BIRG, SAMPEDRO, CAL 1:12.15 LISA HILGER, COLO X 1:12.36 MONICA RUDY, IND. VI 1:14.22 KELLY PEYTON, ORE.XII MEG MCCULY, FLA. IV 1:14.35 100 M BREASISTROKE ALLISON GRANT, CALIF. 1:21.44 PAH SWETTLE, BALT.MO. II 1:23.08	PAULA LUANNE SARAH CHERYL HOLLY 100 M GINA I KIM S JANICE DEBRA PEGGY 100 M MAURE ROSEMA DEBBIE SUE GG MEG WC 200 M KATHY KIM SI	CRAWEGED, BALT.MD 1:10.61 E CRAMER, FRESNO CALI:10.79 SNANNON, COLO 1:12.41 L CARZENTER, NY 1:12.85 RAGEBACH, MINN. 1:33.36 BEASTSTROKE ITTHER, LA.CALIF 1:20.26 METTLE, BALT.,MD 1:20.71 E KESSEL, CHIC.1LL 1:22.21 VEYVOOA, NY 1:22.42 ZAPPONE, SPOKAME 1:24.32 BUTTERFLY EN MORTELL, CONN. 1:09.11 RNY SEAMAN, FLA. 1:09.12 ELOOS, SAN PEORO 1:10.12 RUSZEZYMSKI, PENN 1:10.14 ROSD, CINC.,ONIO 1:10.18 INDIVIOUAL MEDLEY HEGOY, SUMMIT, MJ 2:30.02 HETTLE, BALT.,MD 2:30.81	JEFF FLOAT, S  BRAD MENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, ROBERT HACKET MIKE CLAIRMON  100 M FREESTY BILLY FORREST ANDY COAN, FT DAM JAYSISTY, MARK DEVORE, 190 M BACKSEN, 191 M BACKSEN, 195 M BACKSEN, 195 M BACKSEN, 196 MAROHL,	AC.CALIF. 1:07,57 NY 1:07,66 N, PENN 1:10.00 NDIAMA 1:10.25 . ALABAMA 1:10.27 JAL MEGLEY CALIF. 2:30,65 , ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T, YONKERS 2:37,40  13-14 LE ER,ALABAMA 56,90 LAJD.FLA 57,79 LODI,CALIF 57,81 COLLMBURS, ) 52.05 WISC 1:02,85	NATIONAL HONGRAY N WARREN, MICH. JULY 29-30,1972 25 GIRLS 10 & Under 50 YO FREESTYLE ANN GROVER, BCSC CL. LARSEN, BCSC GAIL SHUK, GCPR 200 YO FREESTYLE GAIL SHUK, GCPR ANN GROVER, BCSC PENNY GURRIE, UNATT 50 YO BACKSTROKE LISA LARSEN, ECSC	15ET   200 YO FREESTYLE   2:13.1   YO POOL   MEGAN MONTAGUE, GPPSC   2:14.8   PEG MALDONADO, LRSC   2:15.4   50 YD BACKSTROKE   JAHLE COX, GFSC   31.8   LOGAL LOOMLS, GCPR   32.0   2:15.4   31.1   100 YD BACKSTROKE   31.8   LORI LOOMLS, GCPR   1:07.0   JAHLE COX, GFSC   1:10.5   2:26.9   100 YD BACKSTROKE   1:10.9   1
SPOKANE, WASH.  AUG.15-17,1972 50 M POOL  GIRLS 11-12  100 M FREESTYLE DIANN DUNLEVY, MINNIXI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAHL MAD. WIS. VIII 1:04.84 MAR.GALLAGHER, PENN. II 1:04.84 MAR.GALLAGHER, PENN. II 1:05.87 100 M BACKSTROKE SUE BIRG, SANPEDRO, CAL 1:12.15 LISA HILGER, COLO X 1:12.36 MONICA RUDY, IND. VI 1:14.22 MEG MCCULLY, FLA. IV 1:14.35 100 M BREASISTROKE ALLISON GRANT, CALIF. 1:21.44 PAM SNETILE, BALT_MO. II 1:23.08 NANCY NORMAN, SPOK, WASH. 1:23.09	PAULA LUANNE SARAH CHERY HOLLY 100 M GINA GINA GINA GINA GINA GINA GINA GINA	CRAMERORO, BALT.MD 1:10.61  SHANNON, COLO 1:12.41  L CARRENTER, NY 1:12.85  RAGEBACH, MINN. 1:33.36  BREASTSTROKE  ITTNER, LA.CALIF 1:20.26  HETTLE, BALT., MO 1:20.71  E KESSEL, CHIC.ILL 1:22.41  VEYVOOA, NY 1:22.42  ZAPPONE, SPOKANE 1:24.32  BUTTERFLY  EN MORTELL, CONN. 1:09.11  RRY SEAMAN, FLA. 1:09.12  E LOOB, SAN PEDRO 1:10.14  ORD, CINCI.ONIO 1:10.18  INDIVIOUAL MEDLEY  HETOY, SUMMIT, NJ 2:30.02  HETTLE, SALT.MO 2:30.81  HARTMAN, CINC. 0. 2:35.04  HEMMER, OGLO 2:35.04	JEFF FLOAT, S  BRAD WENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, ROBERT HACKET MIKE CLAIRMON  100 M FREESTY BILLY FORREST ANDY COAN, FT DAN JAPISTY, MARK DEVORE, 190 NI BACKSTR JEFF MAROHL, TIM SHAW, CAL JOHN KINGERY,	AC.CALIF. 1:07.57 NY 1:07.66 1:10.00 NDIANA 1:10.27 JAL MEDLEY CALIF. 2:30.65 ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T, YONKERS 2:36.98 TT, MO. 2:37.40  13-14 LE ER,ALABAMA 56.90 LAUD.FLA 57.79 LOCI,CALIF 57.81 COLLMS.S.J. 57.75 WISC 1:02.85 HISC 1:04.26	HATIONAL HONGRAY N WARREN, MICH. JULY 29-30,1972 25  GIRLS 10 & Under 50 YD FRESTYLE ANN GRUVER, BCSC CAIL SHUK, GCPR ANN GRUVER, BCSC GAIL SHUK, GCPR ANN GRUVER, BCSC CHALSHUK, GCPR ANN GRUVER, BCSC GAIL SHUK, GCPR DENNY GURRIE, UNATT 50 YD BACKSTROKE LISA LARSEN, BCSC GAIL SHUK, GCPR DENNY BURLINSME, GCPR 1CO YD BACKSTROKE MARILYN PONT, LRSC CINDY MISLEY, LEC LISA LARSEN, BCSC	15ET   200 YO FREESTYLE   200 YO FREESTYLE   213.1   214.8   214.8   215.4
SPOKANE, WASH. AUG.15-17,1972 50 M POOL  GIRLS 11-12 100 M FREESTYLE DIANN DUNLEYY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAHL MAD. WIS. VII 1:04.99 JAMIE DURHAM, WASH.XIV 1:04.99 JAMIE DURHAM, WASH.XIV 1:05.87 100 M BACKSTROKE SUE BIRD, SAWPEDRO, CAL 1:12.15 LISA HILGER, COLO X 1:12.36 MONICA RUDY, IND. VI 1:14.22 KELLY PEYTON, ORE.XII 1:14.25 100 M BREASISTROKE ALLISON GRANT, CALIF. 1:21.44 PAH SWETTLE, BALT.MD. II 1:23.08 NANCY NORMAN, SPOK, WASH. 1:23.09 NANCY NORMAN, SPOK, WASH. 1:23.62 MARIE CONNER, MASS. 1:26.58 100 M BUTTERFLY JILL SHIRLEY, CALIF. 1:10.83	PAULA LUANNE SARAH CHERY HOLLY 100 M GINA GINA GINA GINA GINA GINA GINA GINA	CRAWEGED, BALT, MD 1:10.61  SHANNON, COLO 1:12.41  L CARZENTER, NY 1:12.85  RADEBACH, MINN. 1:33.66  BEASISTROKE  LITNER, LA.CALIF 1:20.26  WETTLE, BALT, NO 1:20.71  E KESSEL, CHIC, LLL 1:22.21  ZAPPONE, SPOKANE 1:24.32  BUTTERFLY  ELOOB, SAN PEGRO 1:24.32  BUTTERFLY  LOOB, SAN PEGRO 1:0.12  RUSYZYJNSKI, PENN 1:10.14  SPB, CINCI, ONIO 1:10.18  INDIVIOUAL MEDLEY  HEDOY, SUMHIT, NJ 2:30.02  LETTLE, BALT, MD 2:30.02  HETTLE, BALT, MD 2:30.08  HARTMAN, CINC 2:35.04	JEFF FLOAT, S  BRAD WENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, ROBERT HACKET MIKE CLAIRMON  100 M FREESTY BILLY FORREST ANDY COAN, FT DAN JAPISTY, MARK DEVORE, 190 NI BACKSTR JEFF MAROHL, TIM SHAW, CAL JOHN KINGERY,	AC.CALIF. 1:07.57 NY 1:07.66 N, PENN 1:10.00 NDIAMA 1:10.25 . ALABAMA 1:10.27 UAL MEDLEY CALIF. 2:30.65 N, ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T, YONKERS 2:36.98 T, MO. 2:37.40  13-14 - 2:37.40  13-14 - 57.81 COLLM3.5, J. 59.05  DKE WISC 1:02.85 USC 1:02.85 USC 1:04.16 OREGON 1:04.24 E, MIAMI 1:07.36	NATIONAL HONGRAY N WARREN, MICH. JULY 29-30,1972 25  GIRLS 10 & Under 50 YO FREESTYLE ANN GROVER, BCSC CL. LARSEN, BCSC GAIL SHUK, GCPR 200 YO FREESTYLE GAIL SHUK, GCPR ANN GROVER, BCSC PENRY CURRIE, UNATT 50 YO BACKSTROKE LISA LARSEN, BCSC GAIL SHUK, GCPR DCNNA BURLINGAME, GCPR 1CO YO BACKSTROKE MARILYN PONT, LRSC CINDY MISLEY, LCC LISA LARSEN, BCSC 50 YO BREASTROKE CINDY MISLEY, LCC CINDY MISLEY, LCC CINDY MISLEY, LCC	15ET   200 YO FREESTYLE   200 YO FREESTYLE   213.1   MEGAN MONTAGUE, GPPSC   2:14.8   PEG MALDONADO, LRSC   2:15.4   50 YD BACKSTROKE   JAHLE COX, GFSC   31.8   LOGAL LOOMIS, GCPR   32.0   32.8   31.1   100 YD BACKSTROKE   32.8   31.9   LORIL LOOMIS, GCPR   1:07.0   JAHLE COX, GFSC   1:10.5   2:26.9   100 YD BACKSTROKE   36.6   COLLEEN THOMPSON, GCPR   1:19.4   36.6   100 YD BUTTERFLY   36.8   LAURA KLOOTE, GCPR   1:06.6   JAHLE COX, GFSC   1:09.7   1:19.9   200 YD INDIVIDUAL MEDLEY   1:19.9   200 YD INDIVIDUAL MEDLEY   2:25.5   LOGAL LOOMIS, GCPR   2:32.8   40.0   THERESA STEN, GCPR   2:32.8   40.0   THERESA STEN, GCPR   2:32.8
SPOKANE, WASH. AUG.15-17,1972 50 M POOL  GIRLS 11-12 100 M FREESTYLE DIANN DUNLEYY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAHL.MAD.WIS.VII 1:04.84 MAR.GALLAGHER, PENN.II 1:04.89 JAMIE DURHAH, WASH.XIV 1:05.87 100 M BACKSTROKE SUE BIRG, SANFEORO, CAL 1:12.15 LISA HILGER, COLO X 1:12.36 MONICA RUDY, IND. VI 1:14.22 KELLY PEYTON, ORE.XII 1:14.24 MEG MCCULLY, FLA. IV 1:14.35 100 M BREASISTROKE ALLISON GRANT, CALIF. 1:23.09 CINDY BROWN, LIV.MICH. 1:23.09 CINDY BROWN, LIV.MICH. 1:26.24 MARIE CONNER, MASS. 1:26.58 100 M BUTTERFLY JILL SHIRLEY, CALIF. 1:10.83 BETH ZAUNER, GAINES, FLA 1:13.38 PAM SNETTLE, BALT., MO 1:13.38	PAULA LUANNE SARAH CHERY HOLLY 100 M GINA GINA GINA GINA GINA GINA GINA GINA	CRAMEDORO, BALT, MD 1:10.61  SNANNON, COLO 1:12.41  L CARRENTER, NY 1:12.85  RADEBACH, MINN. 1:33.36  BREASISTROKE  ITTNER, LA.CALIF 1:20.26  HETTLE, BALT, MD 1:20.71  EXESSEL, CHIC.ILL 1:22.21  ZAPPONE, SPOKANE 1:24.32  BUTTERFLY  EN MORTELL, CONN. 1:09.11  RRY SEAMAN, FLA. 1:09.12  RRY SEAMAN, FLA. 1:09.14  RRY SEAMAN, FLA. 1:09.12  RRY SEAMAN, FLA. 1:09.12  RRY SEAMAN, FLA. 1:09.14  RRY SEAMAN, FLA. 1:09.15  RRY SEAMAN, FLA. 1:09.16  RRY SEAMAN, FLA. 1:09.16  RRY SEAMAN, FLA. 1:09.17  RRY SEAMAN, FLA. 1:09.18  RRY SEAMAN, FLA. 1:09.18  RRY SEAMAN, FLA. 1:09.19  RRY SEAMAN, FLA. 1:09.11  RRY SEAMAN, FLA. 1:09.19  RRY SEAMAN, FLA. 1:	JEFF FLOAT, S  BRAD WENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, ROBERT HACKET MIKE CLAIRMON 100 M FREESTY BILLY FOREST ANDY COAN, FT DAN JAPISTY, MARK DEVORE, 190 M BACKSIR JEFF MAROHL, TIM SHAW, CAL JOHN KINGERY, BILLY FOREST MIKE SULLIVAN IGO M BREASTS CHRIS WOO, H BOB SYNOWICKI	AC.CALIF. 1:07.57 NY 1:07.66 N.P PENN 1:10.00 NDIAMA 1:10.25 . ALABAMA 1:10.27 UAL MEDLEY TALIF. 2:30.65 OLNCI,OHIO 2:34.70 T, YONKERS 2:36.98 T, MO. 2:37.40  13-14 - 2:37.40  13-14 - 57.81 DOILMBURS, 0.59.05 DOKE WISC 1:02.85 USC 1:02.85 USC 1:04.16 OREGON 1:04.24 ER, ALABAMA 1:04.32 MISC 1:04.26 RALABAMA 1:04.32 MISC 1:07.36 ROKE	MATIONAL HONORARY N  MARREN, MICH.  JULY 29-30,1972 25  GIRLS 10 & UNDER  50 YO FREESTYLE  ANN GROVER, BCSC L. LARSEN, BCSC GAIL SHUK, GCPR 200 YO FREESTYLE  GAIL SHUK, GCPR 200 YO FREESTYLE  GAIL SHUK, GCPR 10 YO BACKSTRCKE LISA LARSEN, BCSC GAIL SHUK, GCPR 100 YO BACKSTRCKE LISA LARSEN, GCPC GAIL SHUK, GCPR 100 YO BACKSTRCKE MARILYN PONT, LRSC CINDY MISLEY, LEC LISA LARSEN, BCSC CINDY MISLEY, LEC LISA LARSEN, BCSC 50 YO BREASTSTRCKE	15ET   200 YO FREESTYLE   200 YO FREESTYLE   213.1   213.1   214.8   215.4   215.5   215.5   215.5   215.5   215.5   215.5   215.5   215.5   215.5   215.4   215.5
SPOKANE, WASH.  AUG.15-17,1972 50 M POOL  GIRLS 11-12  100 M FREESTYLE  DIANN DUNLEY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90  JULIE STAHL MAD.WIS.VII 1:04.84  MAR. GALLAGHER, PENN. II 1:04.84  MAR. GALLAGHER, PENN. II 1:04.87  100 M BACKSTROKE SUE BIRG, SANFEORO, CAL 1:12.15  LISA HILGER, COLO X 1:12.36  MONICA RUDY, IND. VI 1:4.26  MONICA RUDY, IND. VI 1:4.36  100 M BREASTSTROKE  ALLISON GRANT, CALIF. 1:21.44  PAH SHETTLE, BALT.MOI. II 1:23.08  CINDY BROWN, LIV.MICH. 1:26.24  MARLE CONNER, MASS. 1:26.58  100 M BUTTERFLY  JILL SHIRLEY, CALIF. 1:0.83  PAM SHETLE, BALT.MOI. 1:13.33  PAM SHETLE, BALT., ID 1:13.33  PAM SHETLE, BALT., ID 1:13.33  JAMIE DURHAM, KENNELWASH 1:13.35  MONICA RUDY, S.BND, IND. 1:14.04	PAULA LUANNE SARAH CHERYI HOLLY 100 M GINA I KIM SS JANICE ROSEM GEBGE ROSEM GEBGE KATHY KATHY JUDY E 100 M MICKET	CRAWFORD, BALT, MD 1:10.61  SHANNON, COLO 1:12.41  L CARZENTER, NY 1:12.85  RADEBACH, MINN. BRIGASTSTROKE  LITNER, LACALIF 1:20.26  BETTLER, BALT., MD 1:20.71  E KESSEL, CHIC. LLL 1:22.41  ZAPPONE, SPOKANE 1:24.32  BUTTERFLY  EN MORTELL, CONN. 1:09.11  LRY SEAMAN, FLA. 1:09.12  RRY SEAMAN, FLA. 1:09.12  RRY SEAMAN, FLA. 1:09.12  RRY SEAMAN, FLA. 1:09.12  RRY SEAMAN, FLA. 1:09.12  RUSTERFLY  HEDDY, SUMMIT, MJ 2:30.02  HETTLE, GALT, MD 1:10.18  HONIVIOUAL MEDLEY  HEDDY, SUMMIT, MJ 2:30.02  HETTLE, GALT, MD 2:35.04  HEMMER, COLO 2:36.81  BOMEN, EUGENE, ORE 2:37.76  BOYS  III-12  FREESTYLE  FREESTYLE  1:00.87	JEFF FLOAT, S  BRAD WENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, ROBERT HACKET MIKE CLAIRMON 100 M FREESTY SILLY FORREST ANDY COAN, FT DAN JAPISTY, MARK DEVORE, 100 N BACKSTR JEFF MAROHL, TIM SNAM, CAL JOHN KINGERY, BILLY FORREST MIKE SULLIVAN 100 M BREASTS CHRIS WOO, HA BOB SYNOWICKI JAMIE DAY,HOU SHAFER HENRY,	AC.CALIF. 1:07.57 NY 1:07.66 N, PENN 1:10.00 NDIAMA 1:10.25 . ALABAMA 1:10.27 UAL MEDLEY CALIF. 2:30.65 N. ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T, YONKERS 2:37.40  13-14 LE ER, ALABAMA 56.90 .LAUD.FLA 57.79 LOCI,CALIF 57.81 COLLMSIS, J. 59.75 CKE WISC 1:02.85 NISC 1:04.16 OREGON 1:04.24 ER, ALABAMA 1:04.32 ER, ALABAMA 1:04.32 ER, ALABAMA 1:07.36 TROKE NISC 1:07.36 TROKE NISC 1:13.05 N. LODI,CAL 1:13.29 STON,TEX 1:14.44 N.JERSEY 1:15.21	NATIONAL HONGRAY N MARREN, MICH. JULY 29-30,1972 25  GIRLS 10 & Under 50 YO FREESTYLE ANN GROVER, BCSC L. LARSEN, BCSC GAIL SHUK, GCPR GAIL SHUK, GCPR GAIL SHUK, GCPR ANN GROVER, BCSC PENNY GURRIE, UNATT 50 YO BACKSTROKE MARILYN PONT, LASC COMBO BACKSTROKE MARILYN PONT, LASC CINDY MISLEY, LEC LISA LARSEN, BCSC 50 YO BREATSTROKE CINDY MISLEY, LEC DOWNA BURLINGAME, GCPR CINDY MISLEY, LEC DOWNA BURLINGAME, GCPR LISA LARSEN, BCSC 50 YO BUTTERFLY ANN GROVER, BCSC GAIL SHUK, GCPR	ALEET   200 YO FREESTYLE   CINDY BROWN, GCPR   2:13.1
SPOKANE, WASH.  AUG.15-17,1972 50 M POOL  GIRLS 11-12  100 M FREESTYLE  DIANN DUNLEYY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90  JULIE STAHL MAD. WIS. VII 1:04.84 MAR. GALLAGHER, PENN. II 1:04.84 MAR. GALLAGHER, PENN. II 1:04.89  JAMIE DURHAM, WASH.XIV 1:05.87 100 M BACKSTROKE SUE BIRG, SANFEOR, CAL 1:12.15 LISA HILGER, COLO X 1:12.36 MONICA RUDY, IND. VI 1:14.24 MEG MCOLLY, FLA. IV 1:14.35 100 M BREASISTROKE  ALLISON GRANT, CALIF. 1:14.35 100 M BREASISTROKE  ALLISON GRANT, CALIF. 1:21.44 PAH SHETTLE, BALT. MO. 1:26.58 100 M BUTTERFLY JILL SHIRLEY, CALIF. 1:0.83 BETH ZOLORER, MASS. 1:13.33 PAM SHETTLE, BALT. MO. 1:13.39 JAMIE DURHAM, KENNE, NASH 1:13.39 JAMIE DURHAM, KENNE, NASH 1:13.95 MONICA RUDY, S.BND, ND. 1:14.04 200 M 1MDIVIDUAL MEDLEY PAM SWETTLE, BALT. MO. 2:37.65	PAULA LUANNE SARAH CHERYI 100 M GIMA I KIM SS JANICE DEBRA PEGGY 100 M MAUREI ROSEM GEBRI ROSEM GEBRI ROSEM LOSEM HOUSE MAUREI ROSEM HOUSE	CRAMEGORO, BALT, MD 1:10.61  E CRAMER, FRESNO CALI:10.79  SMANNON, COLO 1:12.41  L CARRENTER, NY 1:12.85  RAGEBACH, MINN. 1:3.36  BEASISTROKE  ITTHER, LA.CALIF 1:20.26  METTILE, BALT., MD 1:20.71  E KESSEL, CHIC. 1LL 1:22.21  ZAPPONE, SPOKANE 1:24.32  BUTTERFLY  EN MORTELL, CONN. 1:09.11  RAY SEAMAN, FLA. 1:09.12  EL LOOS, SAN PEORO 1:10.12  RUSZKZYNSKI, PENN 1:10.14  INDIVIOUAL MEDLEY  HEOOY, SUMMIT, MJ 2:30.02  HETTILE, BALT., MD 2:35.04  HARTHAN, CINC. 0. 2:35.04  HEMMER, COLO 2:36.81  BOWEN, EUGENE, ORE 2:37.76  BOYS  II-12  FREESTYLE  Y TERNIN, PENN. 1:00.84	JEFF FLOAT, S  BRAD MENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON DAVID SMITH, MOSERT HACKET MIKE CLAIRMON  100 M FREESTY BILLY FORREST ANDY COAN, FT DAN JAY ISTY, MARK DEVORE, 102 N BACKSTR JEFF MAROHL, TIM SHAW, CAL JONN KINGERY, BILLY FORREST MIKE SULLIVAN 100 M BREASTS CHRIS WOO, HA BOB SYNOMICKI JAH LE DAY, HOU SHAFER HENRY, DAVE MELVILLE 100 M BUTTERF	AC.CALIF. 1:07,57 NY 1:07.66 N, PENN 1:10.00 NDIANA 1:10.25 . ALABAMA 1:10.27 JAL MEDLEY CALIF. 2:30,65 CINCI,OHIO 2:34,70 T, YONKERS 2:37,40  13-14 LE ER, ALABAMA 56,90 .LAUD.FLA 57,79 LODI,CALIF 57,81 DOLLMBLS, J. 57,79 LODI,CALIF 57,81 STRING 1:04,24 R. J. 104,16 OREGON 1:04,24 R. J. 104,16 ROKEN NOTE 1:13,05 NOKEN 1:13,05 NOKEN 1:13,05 NOKEN 1:14,44 N. JERSEY 1:15,21 N. JERSEY 1:15,21 N. JERSEY 1:15,21 N. JERSEY 1:15,21	MATIONAL HONORARY N  WARREN, MICH.  JULY 29-30,1972 25  GIRLS 10 & UNDER  50 YD FREESTYLE  ANN GROVER, BCSC  L. LARSEN, BCSC  GAIL SHUK, GCFR  200 YD FREESTYLE  GAIL SHUK, GCFR  LISA LARSEN, BCSC  PENNY GURRIE, UNATT 50 YD BACKSTROKE  LISA LARSEN, EGSC  GAIL SHUK, GCFR  COND YD BRAINSAME, GCPR  COND YD BACKSTROKE  MARILYN PONT, LRSC  CINDY MISLEY, LEC  LISA LARSEN, BCSC  GYB REASTSTROKE  CHDY MISLEY, LEC  DONNA BURLINSAME, GCPR  CHDY MISLEY, LEC  DONNA BURLINSAME, GCPR  CHDY MISLEY, LEC  CHDY BUTTERFLY  ANN GROVER, BCSC  GAIL SHUK, GCPR  CINDY MISLEY, LEC  ZOO YO INDIVIDUAL MEDLE  COO YO INDIVIDUAL MEDLE	ALEET   200 YO FREESTYLE   CINDY BROWN, GCPR   2:13.1
SPOKANE, WASH.  AUG.15-17,1972 50 M POOL  GIRLS 11-12  100 M FREESTYLE  DIANN DUNLEYY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAHL MAD. WIS. VII 1:04.84 MAR. GALLAGHEN, PENN. II 1:04.84 MAR. GALLAGHEN, PENN. II 1:04.87 100 M BACKSTROKE SUE DIRG, SANFEOR, CAL 1:12.15 LISA HILGER, COLO X 1:12.36 MONICA RUDY, IROX VI 1:42.36 MONICA RUDY, IROX VI 1:42.36 MONICA RUDY, IROX VI 1:43.35 100 M BREASTSTROKE ALLISON GRANT, CALIF. 1:21.44 PAH SHETTLE, BALT. MO. II 1:26.58 MARCY COMBER, MASS. 1:26.24 MARIE COUNER, MASS. 1:26.24 MARIE COUNER, MASS. 1:123.33 PAM SHETTLE, BALT. MO. 1:13.33 PAM SHETTLE, BALT. MO. 2:37.65 GAIL WORKMAN, DENVER, COLO2:37.76 K, RHODERBAUMC, INC., 0. 2:42.05 DIANN DUNLEYY, MINN. 2:43.80	PAULA LUANNE SARAH CHERYI 100 M GIMA GIMA GIMA GIMA GIMA GIMA GIMA GIM	CRAMERORO, BALT.MD 1:10.61  SHANNON, COLO 1:12.41  L CARZENTER, NY 1:12.85  RADEBACH, MINN. 1:336  BEASISTROKE  LITNER, LA.CALIF 1:20.26  HETLE, BALT., NO 1:20.71  E KESSEL, CHIC. LLL 1:22.21  ZAPPONE, SPOKANE 1:24.32  BUTTERFLY  TAPPONE, SPOKANE 1:24.32  BUTTERFLY  LOON, SAM PEORO 1:10.12  RUSZKZYNSKI, PENN 1:10.14  DRO, CINCI.ONIO 1:10.18  INDIVIOUAL MEDLEY  HEDOY, SUMHIT, NJ 2:30.02  HETLE, BALT.MD 2:30.81  HARTMAN, CINC. 0. 2:35.04  HEMMER, COLO 2:36.81  BOMEN, EUGENE, ORE 2:37.76  BOYS  1:1-12  FREESTYLE  Y TERMIN, PENN. 1:00.87  T HACKETT, YONKERSNYI:02.96  BACKSTOKE  BOKSTOKE  BOKSTOKE  BOKSTOKE  RICO. 1:03.53  JOANSON, ARIZ. 1:03.64  BACKSTOKE  BACKSTOKE  1:07.53	JEFF FLOAT, S  BRAD MENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON DAVID SMITH, ROBERT HACKET MIKE CLAIRMON  100 M FREESTY SILLY FORREST ANDY COAN, FT DAN JAPISTY, MARK DEVORE, 100 M BRACKSTR JEFF MAROHL, TIM SNAW, CAL JONN KINGERY, BILLY FORREST MIKE SULLIVAN 100 M BREASTY MIKE SULLIVAN 100 M BREASTY DAN ENDERSHOW BOOM BREASTY DAN ENDERSHOW DAY BOOM BREASTY DAY BOOM BOOM BREASTY DAY BOOM BOOM BREASTY DAY BREASTY BREAS	AC.CALIF. 1:07.57 NY 1:07.66 N, PENN 1:10.00 NDIAMA 1:10.25 . ALABAMA 1:10.27 JAL MEDLEY CALIF. 2:30.65 Q. ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T, YONKERS 2:36.98 T, MO. 2:37.40  13-14 LE ER, ALABAMA 56.90 .LAUD.FLA 57.79 LOD 1,CALIF 57.81 COLLMBLIS, D. 59.75 OKE NISC 1:02.85 IF. 004.16 OREGON 1:04.24 ER, ALABAMA1:04.32 MIAMI 1:07.36 THOME NAMI 1:07.36 THOME NAMI 1:13.05 NLODI,CAL 1:13.29 STON,TEX 1:14.44 N.JERSEY 1:15.21 WISCONSINI:16.68 LY CALIF. 1:01.00 PENN 1:02.19 COLLOHIO 1:02.19	NATIONAL HONDRARY N MARREN, MICH.  JULY 29-30,1972 25  GIRLS 10 & UNDER  50 YO FREESTYLE ANN GROVER, BCSC L. LARSEN, BCSC GAIL SHUK, GCPR 200 YO FREESTYLE GAIL SHUK, GCPR 200 YO FREESTYLE GAIL SHUK, GCPR 10 YO BACKSTROKE LISA LARSEN, BCSC GAIL SHUK, GCPR 10 YO BACKSTROKE LISA LARSEN, BCSC GAIL SHUK, GCPR 10 YO BACKSTROKE MARILYN PONT, LESC CHOY MISLEY, LEC LISA LARSEN, BCSC 50 YO BREASTSTROKE CHOY MISLEY, LEC LISA LARSEN, BCSC 50 YO BUTTERFLY ANN GROVER, BCSC GAIL SHUK, GCPR CHOY MISLEY, LEC 200 YO INDIVIDUAL MEDLE CHOY MISLEY, LEC 200 YO INDIVIDUAL MEDLE CHOY MISLEY, LEC GAIL SHUK, GCPR CHOY MISLEY, LEC 200 YO INDIVIDUAL MEDLE CHOY MISLEY, LEC GAIL SHUK, GCPR CHOY MISLEY, LEC GAIL SHUK, GPR CHOY MISLEY, LEC GAIL SHUK, GCPR CHOY MISLEY, LEC GAIL SHUK, GPR CHOY MISLEY, LEC GAIL SHUK, GCPR CHOY MISLEY, LEC GAIL SHUK, GPR CHOY MISLEY, LEC GAIL SHUK, GPR CHOY MISLEY CHOY MISLEY CHOY	ALEET   200 YO FREESTYLE   CINDY BROWN, GCPR   2:13.1
SPOKANE, WASH.  AUG.15-17,1972 50 M POOL  GIRLS 11-12  100 M FRESTYLE DIANN DUNLEVY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAHL MAD. WIS. VII 1:04.84 MAR. GALLAGHER, PENN. II 1:04.89 JAMIE DURHAM, WASH.XIV 1:05.87 100 M BACKSTROKE SUE BIRG, SANFEDR, CAL 1:12.15 LISA HILGER, COLO X 1:12.36 MONICA RUDY, IND. V 1:14.25 MONICA RUDY, IND. V 1:14.24 MEG MCCULLY, FLA. IV 1:14.35 100 M BREASISTROKE ALLISON GRANT, CALIF. 1:23.08 NANCY NORMAN, SPOK, WASH. 1:23.09 CINDY BROWN, LIV.MICH. 1:26.24 MARIE CONNER, MASS. 1:26.58 100 M BUTTERFLY JILL SHIRLEY, CALIF. 1:10.83 BETH ZAUNER, GAINES, FLA 1:13.33 PAM SHETTLE, BALT., MD 1:13.38 JAMIE DURHAM, KENNE WASH 1:13.39 MONICA RUDY, S. GRO, IND. 1:14.04 200 M INDIVIDUAL MEDLEY PAM SWETTLE, BALT., MD 2:37.65 GAIL WORKMAN, DENVER, COLOC; 37.78 K.RNOOREMBAUGH, CINC. 1.0. 2:42.80 SUE BIRD, SANFEDRO, CAL. 2:44.04	PAULA LUANNE SARAH CHERYI 100 M GIMA I KIM SS JANICE DEBRA PEGGY 100 M MAUREI ROSEM GOM KATHY KIM SS NONNY KATHY JUDY E ROSER HOO M MALT F ROSER MAKE JAMES 100 M WALT F DAVID SCOTT	CRAMERORO, BALT.MD 1:10.61  SHANNON, COLO 1:12.41  L CARZENTER, NY 1:12.85  RAGEBACH, MINN. 1:33.36  BEASTISTICKE  ITTHER, LA.CALIF 1:20.26  HETTLE, BALT.,MD 1:20.71  E KESSEL, CHIC. 1LL 1:22.21  YEVYOOA, NY 1:22.42  ZAPPONE, SPOKANE 1:24.32  BUTTERFLY EN MORTELL, CONN. 1:09.11  RRY SEAMAN, FLA. 1:09.12  ELOOS, SAN PEORO 1:00.12  RUSZXZYNSKI, PENN 1:10.14  IND. IVIOUAL MEDLEY HEODY, SUMMIT, NJ 2:30.02  HETTLE, BALT.,MD 2:30.81  HARTMAN, CINC. 0. 2:35.04  HEMMER, COLO 1:03.53  JOHNSON, ARIZ. 1:03.64  BACKSTROKE  HARDIN, CALIF. 1:03.64  BACKSTROKE  HICHARD, CALIF. 1:03.64  BACKSTROKE  HICHARD, MINN FLALIS. 85  SHIH, CINC. 0. 1:08.80  RICHARDS, MIAMI FLALIS. 85	JEFF FLOAT, S  BRAD MENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, MOSERT HACKET MIKE CLAIRMON  100 M FREESTY BILLY FORREST ANDY COAN, FT DAN J47:STY, MARK DEVORE, 100 M BACKSTR JEFF MAROHL. TIM SHAW, CAL JOHN KINGERY, BILLY FORREST MIKE SULLIVAN 100 M BREASTS CHRIS WOO, HA BOOB SYNOMICKI JAMIE DAY, HOU SHAFER HENRY, DAVE MELVILLE LOO M BUTTERF DAN CHRISTY, TONY BARTLE, MARK DEVORE, FRED HOMANS, JAYE ESTES, O	TO.CALIF. 1:07,57 NY 1:07,66 N, PENN 1:10.00 NDIANA 1:10.25 . ALABAMA 1:10.27 JAL MEDLEY CALIF. 2:30,65 T, MO. 2:32,39 CINCI,OHIO 2:34,70 T, YONKERS 2:36,98 T, MO. 2:37,40  13-14 LE ER, ALABAMA 56,90 LAUD.FLA 57,79 LODI,CALIF 57,81 COLIMBIS, J. 57,79 LODI,CALIF 1:04,16 OREGON 1:04,24 ER, ALABAMAI:04,32 MIAMI 1:07,36 TMOKE WALL NJERSEY 1:15,21 MISCONSINI:16,68 LY CALIF. 1:01.00 PENN 1:02,19 CALIF. 1:01.00 PENN 1:02,19 CALIF. 1:01.00 PENN 1:03,45 BARKOR,ME 1:03,90 KLA 1:03,190 KL	MATIONAL HONORARY N  MARREN, MICH.  JULY 29-30,1972 25  GIRLS 10 & UNDER  50 YD FREESTYLE  ANN GROVER, BCSC  L. LARSEN, BCSC  GAIL SHUK, GCFR  200 YD FREESTYLE  GAIL SHUK, GCFR  LISA LARSEN, BCSC  PENNY GURRIE, UNATT 50 YD BACKSTROKE  LISA LARSEN, BCSC  GAIL SHUK, GCFR  CONN BURLINSAME, GCFR  CONDY MISLEY, LEC  LISA LARSEN, BCSC  CINDY MISLEY, LEC  LISA LARSEN, BCSC  OYD BUTTERFLY  ANN GROVER, BCSC  GAIL SHUK, GCFR  CINDY MISLEY, LEC  DOWN BUTTERFLY  ANN GROVER, BCSC  GAIL SHUK, GCFR  CINDY MISLEY, LEC  200 YO INDIVIDUAL MEDLE  CHOY MISLEY, LEC  GAIL SHUK, GCFR  CINDY MISLEY, LEC  GAIL SHUK, GCFR  CINDY MISLEY, LEC  GAIL SHUK, GCFR  CINDY MISLEY, LEC  GAIL SHUK, GCFR  TERESA KRUPIAVZ, WASC	THE
SPOKANE, WASH.  AUG.15-17,1972 50 M POOL  GIRLS 11-12  100 M FREESTYLE DIANN DUNLEYY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAML MAD.WIS.VII 1:04.99 JAMIE DURHAM, WASH.XIV 1:04.99 JAMIE DURHAM, WASH.XIV 1:05.87 100 M BACKSTROKE SUE BIRG, SANFEORO, CAL 1:12.15 LISA HILGER, COLO X 1:12.36 MONICA RUDY, IND. VI 1:14.22 KELLY PEYTON, ORE.XII 1:14.25 MONICA RUDY, IND. VI 1:14.25 100 M BREASISTROKE ALLISON GRANT, CALIF. 1:21.44 PAH SWETTLE, BALT.MD. 11 1:23.08 NANCY NORMAN, SPOK, WASH. 1:23.09 CINDY BROWN, LIV.MICH. 1:26.24 MARIE CONNER, MASS. 1:26.58 100 M BUTTERFLY JILL SHIRLEY, CALIF. 1:10.83 BETH ZAUNER, GAINES, FLA 1:13.35 MONICA RUDY, SOND, IND. 1:14.04 200 M INDIVIDUAL MEDLEY PAM SWETTLE, BALT.MD. 1:3.95 MONICA RUDY, SOND, IND. 1:14.04 200 M INDIVIDUAL MEDLEY PAM SWETTLE, BALT.MD. 2:37.65 GAIL WORMAN, DENVER, COLOG. 37.78 K. GRODENBAUGH, CINCI, O. 2:42.05 DIANN DUNLEYY, MINN. 2:43.80 SUE BIRD, SANPEDRO, CAL. 2:44.04	PAULA LUANNE SARAH CHERY! 100 M GINA SI JANICE DEBRA PEGGY 100 M MAURE ROSEM GOB KATHY KIM SS NONNY KATHY JUDY E MORE MARK F JAMES 100 M WALT F GLENN BILLY	CRAMEDRO JALT.MD 1:10.61 CRAMEN, FRESNO CALI:10.79 SMANNON, COLO 1:12.41 L CARZENTER, NY 1:12.85 RADEBACH, MINN. 1:3.36 HEASTSTROKE ITTHER, LA.CALIF 1:20.26 HETTLE, BALT.,MD 1:20.71 E KESSEL, CHIC.1LL 1:22.21 ZAPPONE, SPOKAME 1:24.32 BUTTERFLY EN MORTELL, CONN. 1:09.11 RAY SEAMAN, FLA. 1:09.12 ELOOB, SAN PEORD 1:10.12 RUSZKZYMSKI, PENN 1:10.14 ROS, CINC.,ONIO 1:10.18 INDIVIOUAL MEDLEY HEDOY, SUMMIT, MJ HABTINAN, GINC.0. 2:35.04 HABTINAN, CALIF. 1:00.84 HABRINA, CALIF. 1:00.87 THACKET, YOMKERSNYL'02.96 HABRINA, CALIF. 1:00.87 HARRINA, CALIF. 1:03.53 BOMEN, EUGENE, O. 1:03.53 JOYNSON, ARIZ. 1:03.64 BACKSTROKE HARDIN, CALIF. 1:07.53 SHITH, CINC.0. 1:03.58 BOMEN, CALIF. 1:07.53 SHITH, CINC.0. 1:03.68	JEFF FLOAT, S  BRAD MENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, ROBERT HACKET MIKE CLAIRMON  BILLY FORREST ANDY COAN, FT DAN JAPISTY, MARK DEVORE, 190 M BACKSTR JEFF MAROHL, TIM SHAW, CAL JOHN KINGERY, BILLY FORREST MIKE SULLIVAN 100 M BERASTS CHRIS WOO, HA 100 M BERASTS CHRIS WOO, HA 100 M BUTTERF DAN CHRIST DAN CHRIST TONY BARTY, TONY BARTY, TONY BARTY, TONY BARTY, TONY BARTY, FRED HOMANS, DAVE ESTES, O 200 M INDIVISERY, DONY KINGERY, DAVE KINGERY, DONY KINGERY, DON	IC.CALIF. 1:07,57 NY 1:07,66 N, PENN 1:10.00 NDIAMA 1:10.25 . ALABAMA 1:10.27 JAL MEDLEY CALIF. 2:30,65 N, ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T, YONKERS 2:36,98 T, MO. 2:37,40  13-14 LE ER, ALABAMA 56,90 LA72.FLA 57,79 LOD 1,CALIF 57,81 COLLMB.S.,0. 52.01 DNISC 1:02.85 IF. 1:04.16 OREGON 1:04.24 ER, ALASAMAI:04.32 MIAMI 1:07,36 TROKE NAIL 1:13.05 NISC 1:02.85 IF. 1:04.16 OREGON 1:04.24 R, ALASAMAI:04.32 MIAMI 1:07,36 TROKE NAIL 1:13.05 NISC 1:02.85 LY STON, FEX 1:14.44 N.JERSEY 1:15.21 MISCONSINI:16.68 LY STON, EX 1:14.44 N.JERSEY 1:15.21 MISCONSINI:16.68 LY SALIF. 1:01.00 DENN 1:03.45 DANGOR ME 1:03.46 DANGOR ME 1:03.45 DANGOR ME 1:0	NATIONAL HONDRAWY NAMERON, MICH.  JULY 29-30,1972 25  GIRLS 10 & UNDER  50 YO FREESTYLE ANN GROVER, BCSC L. LARSEN, BCSC GAIL SHUK, GCPR 200 YO FREESTYLE CHANG GORP CONN GORRIE, UNATT 50 YO BACKSTROKE LISA LARSEN, BCSC GAIL SHUK, GCPR 100 YO EACKSTROKE UNANT LESC CHOY MISLEY, LEC LISA LARSEN, BCSC CHOY MISLEY, LEC LISA LARSEN, BCSC 50 YO BREASTSTROKE CHEDY MISLEY, LEC CHOY MISLEY, LEC 200 YO INDIVIDUAL MEDLE CHOY MISLEY, LEC 200 YO FREESTYLE LICAR KLOOTE, GCPR	ALEET   200 YO FREESTYLE   CINDY BROWN, GCPR   2:13.1
SPOKANE, WASH.  AUG.15-17,1972 50 M POOL  GIRLS 11-12  100 M FRESTYLE DIANN DUNLEVY, MINN.XI 1:03.62 TRACY COOK, CALIF. XIII 1:03.90 JULIE STAHL MAD.WIS.VII 1:04.89 JAMIE DURHAM, WASK.XIV 1:05.87 100 M BACKSTROKE SUE BIRG, SANPERD, CAL 1:12.15 LISA HILGER, COLO X 1:12.36 MONICA RUDY, IND. V 1:14.25 MONICA RUDY, IND. V 1:14.25 MONICA RUTY, FLA. IV 1:14.35 100 M BREASISTROME ALLISON GRANT, CALIF. 1:23.08 NANCY NORMAN, SPOK, WASH. 1:23.09 CINDY SROWN, LIV.MICH. 1:26.24 MARIE CONNER, MASS. 1:26.58 100 M BUTTERFLY JILL SHIRLEY, CALIF. 1:10.83 BETH ZAUNER, GAINES, FLA. 1:13.33 PAM SHETTLE, BALT, MD 1:13.38 JAMIE DURHAM, KENNE WASH 1:13.39 MONICA RUDY, S. GRO, IND. 1:14.04 200 M INDIVIDUAL MEDLEY PAH SWETTLE, BALT, MD 1:37.65 GAIL WORKMAN, DENVER, COLOC:37.78 K, RRODE BAUGH, GINC. 1:44.04 100 M FREESTYLE KATHY HEDDY, SUMMIT NJ 1:01.39 SUE GROUSES, FLA. 1:03.64	PAULA LUANNE SARAH CHERY! 100 M GIMA I KIM SS JANICE DEBRA PEGGY 100 M MAUREI ROSEM GOM KATHY KIM SS NONNY KATHY JUDY E ROSER HOO M WALT F DAVID SCOTT GLENN BILLY 100 M DAVID TOM WICHER TOM MICKEY TOM MARKET DAVID TOM MICKEY TOM MARKET TOM MA	CRAMEDRO GALT.MD 1:10.61 CARPERTER, NY 1:12.85 RADEBACH, MINN. 1:13.36 BEASTSTOKE ITTHER, LA.CALIF 1:20.26 METTIC, BALT.,MD 1:20.71 E KESSEL, CHIC. 1LL 1:22.21 VEYVOOA, NY 1:22.42 ZAPPONG, SPOKANE 1:24.32 BUTTERFLY EN MORTELL, CONN. 1:09.11 RRY SEAMAN, FLA. 1:09.12 ELOOS, SAN PEORD 1:10.12 RUSZXZYNSKI, PENN 1:10.14 BINDIVIOUAL MEDLEY HEODY, SUMMIT, NJ 2:30.81 HABTMAN, CALIF. 1:00.87 HABTMAN, CALIF. 1:00.87 THACKETTY, PENN. 1:00.89 THACKETTY, PENN. 1:00.84 HABDIN, CALIF. 1:00.87 THACKETTY, PENN. 1:03.84 HABDIN, CALIF. 1:03.64 BACKSTROKE SHITCH, CONS. 1:03.53 JOHNSON, ARIZ. 81 HARDIN, CALIF. 1:03.64 BACKSTROKE HARDIN, CALIF. 1:03.64 BACKSTROKE RIGHAN, CALIF. 1:03.69 BRIGHAN, ALBAMA 1:13.76 BRIGHAN, LABAMA 1:17.38 RNO, 1THACANY 1:20.60	JEFF FLOAT, S  BRAD MENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, MOSERT HACKET MIKE CLAIRMON  100 M FREESTY BILLY FORREST ANDY COAN, FT DAN JYPISTY, MARK DEVORE, 199 N BACKSTR JEFF MAROHL. TIM SHAW, CAL JOHN KINGERY, BILLY FORREST MIKE SULLIVAN 100 M BEASTS CHRIS WOO, HA BOB SYNOWICH DAY, HOU SHAFER HENRY, DAVE MELVILLE MARK DEVORE, FRED HOMANS, DAVE ESTES, O 200 M INDIVID JOHN KINGERY, SHAFER HENRY, DAVE MELVILLE JOHN BUTTERF DAN CRISTY, SHAFER HENRY, DAVE MELVILLE JOHN KINGERY, SHAFER HENRY, DAVE MELVILLE DAVE ESTES, O	TO.CALIF. 1:07,57 NY 1:07,66 N, PENN 1:10.00 NDIAMA 1:10.25 . ALABAMA 1:10.27 JAL MEDLEY CALIF. 2:30,65 T, MO. 2:37,40  13-14 LE EAR, ALABAMA 56,90 LA/9.FLA 57,79 LOC1, CALIF 57,81 COLIFS, 1:04,16 COREGON 1:04,24 ER, ALABAMA 1:04,32 MIAMI 1:07,36 TROKE MAIL 1:13,05 NE 1:04,16 NE 1:04,1	MATIONAL HONDRARY N MARREN, MICH.  JULY 29-30,1972 25  GIRLS 10 & UNDER  50 YD FREESTYLE ANN GROVER, BCSC L. LARSEN, BCSC GAIL SHUK, GCFR ANN GROVER, BCSC PENNY GURRIE, UNATT 50 YO BACKSTROKE LISA LARSEN, BCSC GAIL SHUK, GCFR CONNA BURLINSAME, GCPR CONNA BURLINSAME, GCPR 100 YD EACKSTROKE MARILYN PONT, IRSC CHIOY MISLEY, LEC LISA LARSEN, BCSC 50 YD BREASTSTROKE CHOY MISLEY, LEC DOWNA BURLINSAME, GCPR LISA LARSEN, BCSC 50 YD BREASTSTROKE CHOY MISLEY, LEC CONY BURLINSAME, GCPR LISA LARSEN, BCSC GAIL SHUK, GCPR LISA LARSEN, BCSC GAIL SHUK, GCPR CINDY MISLEY, LEC 200 YD INJIVIDBAL MEDLE CINDY MISLEY, LEC 210 YD INSLEY, LEC 210 YD INSLEY, LEC 210 YD INSLEY, LEC 210 YD INSLEY, LEC 210 YD FREESTYLE LURA KLOOTE, GCPR LINDA MENN, GCPR TERESA KRUPIAVZ, WASC	ALEET   200 YO FREESTYLE   CINDY EROWN, GCPR   2:13.1
SPOKANE, WASH.  AUG.15-17,1972 50 M POOL  GIRLS 11-12  100 M FREESTYLE  DIANN DUNLEYY, MINN.XI 1:03.62  TRACY COOK, CALIF. XIII 1:03.90  JULIE STAHL MAD. WIS. VII 1:04.99  JAMIE DURHAM, WASH.XIV 1:05.87  100 M BACKSTROKE  SUE BIRG, SANPEDRO, CAL 1:12.15  LISA HILGER, COLO X 1:14.22  KELLY PEYTON, ORE.XII 1:14.25  MONICA RUDY, IND. VI 1:14.22  MEG MCCULY, FLA. IV 1:13.30  100 M BEASISTROKE  ALLISON GRANT, CALIF. 1:21.44  PAH SWETTLE, BALT, MD. 11.26.24  MARIE CONNER, MASS. 1:26.58  100 M BUTTERFLY  JILL SHIBLEY, CALIF. 1:10.83  BETH ZAUNER, GAINES, FLA 1:13.33  JAMIE DURHAM, KENNE, WASH 1:13.39  MONICA RUDY, SON, IND. 11.14.04  200 M INDIVIDUAL MEDLEY  PAH SWETTLE, BALT, MD. 1:13.39  MONICA RUDY, SON, IND. 11.14.04  200 M INDIVIDUAL MEDLEY  PAH SWETTLE, BALT, MD. 2:37.65  GAIL WORKMAN, DENNER, COLO2:37.78  K.RHODENBAUGH, CINCI, O. 2:42.05  DIANN DUNLEYY, MINN. 2:43.80  SUE BIRD, SANPEDRO, CAL. 2:44.04  13-14  100 M FREESTYLE  KATHY HEDDY, SUMHIT NJ 1:01.39  SUEGRUSSCZYNSKI, PENN. 1:02.38	PAULA LUANNE SARAH CHERY! 100 M GIMA I KIM SS JANICE DEBRA PEGGY 100 M MAUREI ROSEM GEBN KATHY KIM SS NONNY KATHY JUDY E ROSER WALT ! ROSER MAKE JAMES 100 M WALT ! DAVID TOM M DAVID TOM M JOE LE	CRAMEDRO JALT.MD 1:10.61  CRAPER, FRESNO CAL 1:10.79  SMANNON, COLO 1:12.41  L CARZENTER, NY 1:12.85  RAGEBACH, MINN. 1:3.36  BEASTSTROKE  ITTHER, LA.CALIF 1:20.26  HETTLE, BALT.,MD 1:20.71  E KESSEL, CHIC. 111 1:22.21  ZAPPONE, SPOKAME 1:24.32  BUTTERFLY  EN MORTELL, CONN. 1:09.11  RAY SEAMAN, FLA. 1:09.12  ELOOS, SAN PEORO 1:10.12  RUSZKZYMSKI, PENN 1:10.14  ROS, CINC. 10:10  INDIVIOUAL MEDLEY  HEDOY, SUMHITT, MJ  BOMEN, EUGENE, ORE 2:37.76  BOYS  11-12  FREESTYLE  Y TERMIN, PENN. 1:00.84  HARDINA, CALIF. 1:00.87  HARDIN, CALIF. 1:00.87  SMITH, CINC. 0. 1:03.53  JOYNSON, ARIZ. 1:03.64  BACKSTROKE  BACKSTROKE  RICHARDS, MIAMI FLAI:12.85  TAGORIA, N.J. 1:13.20  BRIGHAM, ALBBAMA 1:13.76  BEASTSTROKE  BELSSTINCK  BUTTERFLY  B	JEFF FLOAT, S  BRAD MENDLER, OAN MENICHELL JAY RISLEY, I BILLY BRIGHAM 200 M INDIVID OAVID NELSON, JAMES JOHNSON DAVID SMITH, MOSERT HACKET MIKE CLAIRMON  100 M FREESTY BILLY FORREST ANDY COAN, FT DAN JYPISTY, MARK DEVORE, 199 N BACKSTR JEFF MAROHL. TIM SHAW, CAL JOHN KINGERY, BILLY FORREST MIKE SULLIVAN 100 M BEASTS CHRIS WOO, HA BOB SYNOWICH DAY, HOU SHAFER HENRY, DAVE MELVILLE MARK DEVORE, FRED HOMANS, DAVE ESTES, O 200 M INDIVID JOHN KINGERY, SHAFER HENRY, DAVE MELVILLE JOHN BUTTERF DAN CRISTY, SHAFER HENRY, DAVE MELVILLE JOHN KINGERY, SHAFER HENRY, DAVE MELVILLE DAVE ESTES, O	AC.CALIF. 1:07,57 NY 1:07,66 N, PENN 1:10.00 NDIAMA 1:10.25 . ALABAMA 1:10.25 . ALABAMA 1:10.25 . ARIZONA 2:32.39 CINCI,OHIO 2:34.70 T, YONKERS 2:37,40  13-14 LEE,ALABAMA 56.90 .LAJD.FLA 57,79 LOCI,CALIF 57,81 COLLMBICS, 53.05  EE NISC 1:02.85 NISC 1:02.85 NISC 1:02.85 NISC 1:04.16 OREGON 1:04.24 RAJAHAAI:04.32 MAIN 1:07.36 RENKE MAIN 1:13.29 STON,TEX 1:14.44 N.JERSEY 1:15.21 MISCONSINIT:16.68 LY CALIF. 1:01.00 PENN 1:02.19 COLLOHIO 1:03.45 CALIF. 1:01.00 PENN 1:02.19 COLLOHIO 1:03.45 CALIF. 1:01.10 CALIF. 1:01.29 CALIF. 1:01	HATIONAL HONGRAY N WARREN, MICH. JULY 29-30,1972 25  GIRLS 10 & UNDER 50 YO FREESTYLE ANN GROVER, BCSC L. LARSEN, BCSC C. LARSEN, BCSC GAIL SHUK, GCPR 200 YO FREESTYLE GAIL SHUK, GCPR 200 YO FREESTYLE GAIL SHUK, GCPR 100 YO FACKSHOKE LISA LARSEN, BCSC GAIL SHUK, GCPR 100 YO EACKSHOKE CINDY MISLEY, LEC CINDY MISLEY, LEC CINDY MISLEY, LEC CINDY MISLEY, LEC CONTO BREATSTROKE CINDY MISLEY, LEC CONTO BREATSTROKE CINDY MISLEY, LEC CONTO BREATSTROKE CINDY MISLEY, LEC CONTO BUTTERFLY ANN GROVER, BCSC 50 YD BUTTERFLY ANN GROVER, BCSC GAIL SHUK, GCPR CINDY MISLEY, LEC GAIL SHUK, GCPR CINDY MISLEY, LEC GAIL SHUK, GCPR TERESA KRUPIAVZ, WASC  II-12 50 YD FREESTYLE L. THE KLOOTER, GCPR LINDA HEIN, GCPR	ALEET   200 YO FREESTYLE   CINDY BROWN, GCPR   2:13.1

200 YD BREASTSTROKE	50 YD FREESTYLE	200 YD BREASTSTROKE	400 M INDIVIDUAL MEDLEY	LON REDGATE, EBY 6:11.9
PAT DOWLING, LRSC 2:44.0 ROBERTA WHELAN, LRSC 2:45.9	GREG RODEN, GBB 26.8 BOB MESSLER, TRSC 27.5	STEVE BARRY, LRSC 2:22.0	MARY DOYLE, DSC 6:00.3	DAVID MCQUEARY, SPG 6:20.1
Vicki Brown, GCPR 2:49.2	MARK LANCASTER, BCSC 27.9	Steve Kratt, BSC 2:26.5 Jamie Grouch, KCAC 2:28.0	JILL CONNER, CY 6:03,2 SUSAN WOODIN, EBY 6:19.5	13.14
100 YD BUTTERFLY	100 YD FREESTYLE	200 YD BUTTER FLY	OUSAN WOODING EDI 0:19-5	13-14 50 M FREESTYLE
ROBIN ALLBAUGH, GPSC 1:05.0 MICKEY MONTAGNE, GPPSC 1:06.4	GREG RODEN, GBB 58.6 SCOTT MORRIS, LSSC 1:01.2	WAYNE LAWRENCE, WSC 2:06.5 STEVE KRATT, BSC 2:13.6	OPEN	JOHN LEONARD, WGSC 28.3
CINDY BROWN, VAC 1:07.2	BOB MESSLER, TRSC 1:01.4	BILL HERRINGER, LRSC 2:14.9	100 M FREESTYLE BECKY COBB, SPG 1:06.9	SAM MARTIN, TSC 28.6 Dave Hemenway, CY 29.1
200 YO INDIVIDUAL MEDLEY MICKEY MONTAGNE, GPPSC 2:24.9	200 YD FREESTYLE GREG RODEN, GBB 2:11.6	200 YD INDIVIDUAL MEDLEY	APRIL BRUCE, EBY 1:08.5	100 M FREESTYLE
ROBIN ALLBAUGH, GPSC 2:26.9)	GREG RODEN, GBB 2:11.6 SCOTT MORRIS, LSSC 2:11.9	WAYNE LAWRENCE, WSC 2:09.4 STEVE KRATT, BSC 2:09.6	CHERYL UNRUH, EBY 1:08.8	JOHN LEONARD, WGSC 1:02.9
ROBERTA WHELAN, LRSC 2:26.9)	BOB MESSLER, TRSC 2:14.3	ROD MITCHELL, GBB 2:12.B	200 M FREESTYLE BECKY COBB, SPG 2:27.6	DAVE HEMENWAY, CY 1:03.2 STEVE WILSON, CY 1:04.2
15-17	50 YD BACKSTROKE GREG RODEN, GB8 31.0		APRIL BRUCE, EBY 2:31.2	200 M FREESTYLE
200 YD FREESTYLE	T. Johnson, FSC 31.5		CHERYL UNRUH, EBY 2:31.2 40D M FREESTYLE	JOHN LEONARD, WGSC 2:17.1 Steve Wilson, CY 2:17.7
DEBBIE SHUK, GCPR 2:08.0 Virginia Munot, KCAC 2:08.5	BOB SICK, BAC 33.4 100 YD BACKSTROKE	CAPITOL CITY INVITATIONAL CHAMPS  JEFFERSON CITY, MISSOURI	BECKY COBB, SPG 5:14.2	STEVE WILSON, CY 2:17.7  DAVE HEMENWAY, CY 2:18.9
KATHY LINGENBERG, UNAT 2:DB.8	GREG RODEN, GBB 1:09.3	Aug.5-6,1972 50 M Pool	CINDY MACE, SPG 5:26.1	100 M BACKSTROKE
100 YD BACKSTROKE	Tom Johnson, FSC 1:11.0	GIRLS	VICKI COX, CY 5:30.5 100 M BACKSTROKE	STEVE WILSON, CY 1:11.8 DAVE HEMENWAY, CY 1:14.6
BECKY HASTINGS, BCSC 1:09.5 CINDY SIMMONDS, LRSC 1:10.0	Mike Barnes, LRSC 1:11.8 IDO YD BREASTSTROKE	10 & UNDER	VICKI COX, CY 1:17.3	STEVE SPIER, CSC 1:16.7
JOANN SAPUTO, BHSC 1:10.0	BOB LUNDQUIST, EGR 1:16.2	50 M FREESTYLE	APRIL BRUCE, EBY 1:19.2 BECKY COBB, SPG 1:22.1	100 M BREASTSTROKE
100 YD BREASTSTROKE KATHY KOLON, SSC 1:12.0	SCOTT MORRIS, LSSC 1:18.7	BECKY CONNOR, UCSC 34.3 KRIS SCHLEGEL, TSC 36.6	200 M BACKSTROKE	SCOTT LUNDSTROM, WGSC 1:24.0 SHEA FERRELL, CAC 1:26.3
Susie Brevitz, BCSC 1:13.0	JEFF KITZBERGER, LRSC 1:19.1 100 YD BUTTERFLY	Karen Patton, TSC 36.7	VICKI COX, CY 2:49.8 BECKY COBB, SPG 2:55.3	STEVE WILSON, CY 1:26.7)
8. BREVITZ, BCSC 1:14.0	Mike Toole, GBB 1:08.6	HOLD M FREESTYLE	BECKY COBB, SPG 2:55.3 LYNE TUMLINSON, EBY 3:06.6	Dave Hemenway, CY 1:26.B) 100 M BUTTERFLY
20D YD BREASTSTROKE KATHY KOLON, SSC 2:35.9	Tom Johnson, FSC 1:09.3 GREG RODEN, GBB 1:1D.0	BECKY CONNOR, UCSC 1:15.2 KRIS SCHLEGEL, TSC 1:21.2	100 M BREASTSTROKE	JIM HALLIBURTON, CSP 1:10.9
B. BREVITZ, BCSC 2:37.2	200 YD INDIVIDUAL MEDLEY	KAREN BOURGEOIS, CSC 1:22.1	APRIL BRUCE, EBY 1:26.4 CHERYL UNRUH, EBY 1:29.1	Norman Kincheloe, MOPO 1:11.0 Steve Spier, CSC 1:11.4
SUSIE BREVITZ, BCSC 2:42.6 100 YD BUTTERFLY	SCOTT MORRIS, LSSC 2:30.4	200 M FREESTYLE BECKY CONNOR, UCSC 2:46.3	SUE WHITEFORD, SCOTS 1:33.2	STEVE SPIER, CSC 1:11.4 200 M INDIVIDUAL MEDLEY
DEBBIE SHUK, GCPR 1:05.0	GREG RODEN, GBB 2:33.1 T. JOHNSON, FSC 2:35.4	KRIS SCHLEGEL, TSC 2:55.6	200 M BREASTSTROKE CHERYL UNRUH. EBY 3:13.6	STEVE WILSON, CY 2:35.4
KATHY LINGENBERG, UNAT 1:05.3		KAREN <sup>B</sup> OURGEOIS, CSC 2:56.6 50 M BACKSTROKE	CHERYL UNRUH, EBY 3:13.6 SUE WHITEFORD, SCOTS 3:22.5	DAVE HEMENWAY, CY 2:38.5 JOHN LEONARD, WGSC 2:42.3
PAM PIPER, LRSC 1:07.0 200 YD INDIVIDUAL MEDLEY	13-14 100 YD FREESTYLE	KRIS SCHLEGEL, TSC 41.8	TANYA CARSON, SPG 3:26.4	400 M INDIVIDUAL MEDLEY
DEBBIE BREVITZ, BCSC 2:22.1	Dave Kulchar, GBB 51.4	KAREN BOURGEOIS, CSC 43.4	BECKY COBB, SPG 1:17.6	STEVE WILSON, CY 5:31.2
KATHY KOLON, SSC 2:23.0 WENDY HARDING, PABC 2:25.1	ED LEACH, BSC 52.2	BECKY CONNOR, UCSC 44.0 5D M BREASTSTROKE	CHERYL UNRUH, EBY 1:19.5	NORMAN KINCHELOE, MOPO 5:46.0) DAVE HEMENWAY, CY 5:46.0)
WENUT HARDING, FADO 2:25:1	TIM QUILL, FSC 52.6 2DO YD FREESTYLE	KRIS SCHLEGEL, TSC 44.3	Vicki Cox, CY 1:22.5	•
OPEN	BILL GLASSTETTER, GPSC 1:53.5	BECKY CONNOR, UCSC 45.3	200 M INDIVIDUAL MEDLEY CHERYL UNRUH, EBY 2:46.7	OPEN 100 M FREESTYLE
50 YD FREESTYLE JOD! YAMBOR, UNATT 25.1	ED LEACH, BBC 1:55.D TIM QUILL,FSC 1:55.7	ANNE BAXTER, SUB 48.3 50 M BUTTERFLY	BECKY COBB, SPG 2:49.6	KIM BOLTON, WPKY 58.9
KATHY LINGENBERG, UNAT 26.2	TIM QUILL, FSC 1:55.7	KAREN BOURGEOIS, CSC 39.3	APRIL BRUCE, EBY 2:50.5 400 M INDIVIDUAL MEDLEY	CHRIS JOHNSON, EBY 1:01.B
LISA AKERMAN, SSC 26.6	BILL GLASSTETTER, GPSC 58.4	BETH POYNOR, CAC 39.8	CHERYL UNRUH, EBY 6:02.7	BILL FUNKE, EBY 1:02.5 200 M FREESTYLE
200 YD FREESTYLE KATHY LINGENBERG, UNAT 2:06.5	TIM QUILL, FSC 59.2 GARY BICE, BHSC 1:01.3	Kris Schlegel, TSC 40.8 200 M INDIVIDUAL MEDLEY	BECKY COBB, SPG 6:13.6	CHRIS JOHNSON, EBY 2:16.1
DEBBIE BREVITZ, BCSC 2:07.7	100 YD BREASTSTROKE	KRIS SCHLEGEL, TSC 3:10.8	Vicki Cox, CY 6:16,9	STEW DELNE VO, SPG 2:16.7
Vinginia Munoz, KCAC 2:07.8 500 YD FREESTYLE	BILL GLASSTETTER, GPSC 1:06.0	BECKY CONNOR, UCSC 3:11.1 KAREN BOURGEOIS, CSC 3:20.6	BOYS	JOE POHRER, CY 2:17.6 400 M FREESTYLE
CINDY SIMMONDS, LRSC 5:42.5	MARTY POHL, WASC 1:09.4 BILL SICK, BAC 1:10.4		10 & UNDER	BILL FUNKE, EBY 4:55.4
DEBBIE SHUK, GCPR 5:45.5	200 YD BREASTSTROKE	11-12 50 M FREESTYLE	50 M FREESTYLE MARK MEARS, EBY 34.3	STEW DELNEVO, SPG 4:55.4 JOE POHRER, CY 4:58.4
LORIE MISLEY, LEC 5:49.1 200 YD BACKSTROKE	BILL GLASSTETTER, GPSC 2:23.5 MIKE KRAMB, FSC 2:31.0	LAURA WINTERS, DSC 31.5)	DAVID BRODHACKER, JCSC 35.6	100 M BACKSTROKE
LISA AKERMAN, SSC 2:23.9	BILL SICK, BAC 2:34.5	Paula Vernon, TSC 31.5)	Mike Conry, Sal 36.5 100 M FREESTYLE	MARK GERMER, CY 1:10.7 STEW DELNEVO, SPG 1:12.4
CINDY SIMMONDS, LRSC 2:25.7 WENDY HARDING 2:26.3	100 YD BUTTERFLY	SUZIE BAXTER, SUB 31.6 100 M FREESTYLE	MARK MEARS, EBY 1:15.8	CHRIS JOHNSON, EBY 1:13.5
100 YD BREASTSTROKE	BILL GLASSTETTER, GPSC 55.1 TIM QUILL, FSC 57.5	LAURA WINTERS, DSC 1:09.0	DAVID BRODHACKER, JCSC 1:19.2	200 M BACKSTROKE
KATHY KOLON, SSC 1:12.6	DAVE KULCHER, GBB 58.7	SUZIE BAXTER, SUB 1:09.9	Mike Conry, SAL 1:20.5 200 M FREESTYLE	MARK GERMER, CY 2:36.2 STEW DELNEVO, SPG 2:37.5
B. BREVITZ, BCSC 1:12.5 Susie Brevitz, BCSC 1:13.0	BILL GLASSTETTER, GPSC 2:05.6	JANET LEUTHOLD, CSC 1:11.3 20D M FREESTYLE	MARK MEARS, EBY 2:47.1	CHRIS JOHNSON, EBY 2:38.5
200 YD BREASTSTROKE	TIM QUILL, FSC 2:09.7	LAURA WINTERS, DSC 2:32,3	DAVID BRODHACKER, JCSC 2:52.3 Mike Conry, Sal 2:54.4	100 M BREASTSTROKE
KATHY KOLON, SSC 2:37.1 B. BREVITZ, BCSC 2:39.8	ED LEECH, BASC 2:12.1	Jamet Leuthold, CSC 2:32.8 Suzie Baxter, Sus 2:33.4	50 M BACKSTROKE	PETER HAY, UCSC 1:20.2 Jim Cherry, UCSC 1:23.3
B. BREVITZ, BCSC 2:39.8 SUSIE BREVITZ, BCSC 2:41.9	15-17	100 M BACKSTROKE	BOB FINGER, CY 39.7	GREG WALDO, EBY 1:24.5
200 YD BUTTERFLY	200 YD FREESTYLE	Kim York, TSC 1:20.4	MARVIN COOGHENOUR, FLOR 39.8 NILS EYBERG, RF 41.5	PETER HAY, UCSC 2:53.8
DEBBIE SHUK, GCPR 2:25.6 CINDY BROWN, VAC 2:34.4	Wayne Lawrence, WSC 1:53.7) Tracy Smith, LSSC 1:53.7)	JANET <sup>L</sup> EUTHOLD, CSC 1:23.2 LAURA WINTERS, DSC 1:24.2	50 M BREASTSTROKE	JIM CHERRY, UCSC 2:59.9
PAM PIPER, LRSC 2:34.5	DAVE CORNELL, DRSC 1:54.5	100 M BREASTSTROKE	DEN IS SCHOENHOFER, EBY 45.6 BREHT BURI, ST.JO 46.4	SCOTT LUNDSTROM, WGSC 3:03.1
200 YD INDIVIDUAL MEDLEY DEBBIE BREVITZ, BCSC 2:21.6	PETE WINEGARNER, LRSC 59.6	Laura Winters, DSC 1:31.5 Lisa Packard, TSC 1:32.6	JOHN KOCH, ST.JO 49.2	MARK GERMER, CY 1:07.0
KATHY KOLON, SSC 2:21.5	Bob KLoos, LRSC 1:00.2	KIM YORK, TSC 1:34.3	SCOTT HALLIBURTON, CSP 38.5	JACK BELSHE, RSC 1:07-2
PAM McGILL, LRSC 2:26.4	John Wilson, LRSC 1:00.9	JANET LEUTHOLD, CSC 1:20.2	RANDY ARTALE, CY 39.2	STEW DELNEVO, SPG 1:09.8 200 M INDIVIDUAL MEDLEY
BOYS	100 YD BREASTSTROKE STEVE BARRY, LRSC 1:04.3	Suzie Baxter, Sus 1:25.8	MARK MEARS, EBY 39.5	MARK GERMER, CY 2:33.9
10 & UNDER	JAMIE CROUCH, KCAC :06.7	Laura Winters, DSC 1:27.1	DAVID BRODHACKER, JCSC 3:15.5	CHRIS JOHNSON, EBY 2:36.0 JACK BELSHE, RSC 2:37.0
50 YD FREESTYLE KEVIN GAUTHIER, BAC 27.1	Don Constantino, LRSC 1:07.2 200 YD BREASTSTROKE	JANET LEUTHOLD, CSC 2:53.5	BOB FINGER, CY 3:18.0	400 M INDIVIDUAL MEDLEY
JORDAN KLEBER, BHSC 28.4	STEVE BARRY, LRSC 2:22.0	LAURA WINTERS, DSC 2:54.5	MARK MEARS, EBY 3:19.0	MARK GERMER, CY 5:38.1
PAUL PETERSEN, BAC 29.4 200 YD FREESTYLE	JAMIE CROUCH, KCAC 2:26.7 STEVE KRATT BSC 2:26.9	Suzie Baxter, Sub 2:58.6	11-12	STEW DELNEVO, SPG 5:42.4 CHRIS JOHNSON, EBY 5:45.1
JORDAN KLEBER, BHSC 2:15.3	STEVE KRATT, BSC 2:26.9 100 YD BUTTERFLY	13-14	50 M FREESTYLE DAVID HALL, JCSC 30.7	
Kevin Gauthier, BAC 2:18.5	RICK DUNCAN, GBB 56.5	50 M FREESTYLE MARY DOYLE, DSC 31.3	DAVID HALL, JCSC 30.7 Doug Connor, CY 33.0	CONTROLLE GUIMADAMA INVITATIONS
Tom Smith, CSC 2:20.0 50 YD BACKSTROKE	ROD MITCHELL, GBB 56.8 WAYNE LAWRENCE, WSC 56.2	KATHY KUPER, CY 31.9	MATT KIENE, TSC 32.9	SCOTTSDALE SWIMARAMA INVITATIONAL PRE-OLYMPIC TRIALS
KEVIN GAUTHIER, BAC 32.6	200 YD INDIVIDUAL MEDLEY	DIANA PODRECCA, SPPG 32.0)	DAVID HALL, JCSC 1:06.0	SCOTTSDALE, ARIZONA
JORDAN KLEBER, BHSC 34.8 Norman Gauthier, BAC 35.0	STEVE KRATT, BSC 2:10.0 WAYNE LAWRENCE, WSC 2:11.0	JEAN POLLARD, CMSC 32.0)	DAVID MCQUEARY, SPG 1:11.3	JJLY 22-23,1972 50 M Pool
100 YD BACKSTROKE	ROD MITCHELL, GBB 2:12.8	MARY DOYLE, DSC 1:06.6	Doug Connor, CY 1:13.0 200 M FREESTYLE	G IR LS
KEVIN GAUTHIER, BAC 1:13.0 JORDAN KLEBER, BHSC 1:15.5		JILL CONNER, CY 1:08.4 JEANNE GEORGE, CY 1:11.9	DAVID HALL, JCSC 2:22.6	10 & Under 50 M FREESTYLE
Norman Gauthier, BAC 1:16.7	OPEN 50 YD FREESTYLE	200 M FREESTYLE	DAVID McQUEARY, SPG 2:33.7	KELLY GILLESPIE,GSG 33.7
50 YD BREASTSTROKE	JEFF SMITH, GBB 22.5	MARY DOYLE, DSC 2:24.2	LON REDGATE, EBY 2:37.6 100 M BACKSTROKE	Dawn Dobson, MST 34.0
Paul Peterson, BAC 37.7 Kevin Gauthier, BAC 37.8	ROGER DEARY, WAW 23.0 RON RICE, RAC 23.1	JILL CONNER, CY 2:31.4 DIANA PODRECCA 2:39.1	DAVID HALL, JCSC 1:17.9	TAMMY GARDNER, YS 34.5 100 M FREESTYLE
Kirk Shankie, W4 37.8	200 YD FREESTYLE	100 M BACKSTROKE	MATT KIENE, TSC 1:22.0 LON REDGATE, EBY 1:24.9	KELLY GILLESPIE, GSG 1:15.3
50 YD BUTTERFLY KEVIN GAUTHIER, BAC 31.8	WAYNE LAWRENCE, WSC 1:54.0 DAVE CORNELL, DRSC 1:54.5	MARY DOYLE, DSC 1:19.7 JILL CONNER, CY 1:21.8	100 M BREASTSTROKE	TAMMY GARDNER, YS 1:17.4 PAT PRICE, FF 1:18.4
PAUL PETERSON, BAC 32.1	BRUCE SAWHILL, OSC 1:54.8	BUNNY SMITH, SPG 1:23.7	JOHN MOORE, RSC 1:30.6 JACK CARSON, SPG 1:33.2)	200 M FREESTYLE
DAVE BARRY, LRSC 32.3 100 YD BUTTERFLY	500 YD FREESTYLE DAVE CORNELL, DRSC 5:03.0	JILL CONNER, CY 1:32.4	STEVE SIU, JOSC 1:33.2)	KELLY GILLES? IE, GSG 2:41.1 PAT PRICE, FF 2:49.7
JORDAN KLEBER, BHSC 1:12.8	WAYNE LAWRENCE, WSC 5:05.4	LES HOFHERR, RF 1:32.5	100 M BUTTERFLY	TAMMY GARDNER, YS 2:51.1
DAVE BARRY, LRSC 1:14.0	TRACY SMITH, LSSC 5:07.0	DIANA PODRECCA, SPG 1:33.5 100 M BUTTERFLY	DAVID HALL, JCSC 1:17.1 LON REDGATE, EBY 1:21.0	50 M BACKSTROKE
ROY DEARY, W4 1:14.7 200 YD IND IV IDUAL MEDLEY	200 YD BACKSTROKE BOB KLOOS, LRSC 2:06.9	MARY DOYLE, DSC 1:15.6	DANNY JOHNSON, CSP 1:21.6	KELLY GILLESPIE, GSG 39.5 PAT PRICE, FF 40.3
KEVIN GAUTHIER, BAC 2:35.0	John Wilson, LRSC 2:07.4	JILL CONNER, CY 1:16.3	DAVID HALL, JSC 2:44.6	Dawn Dosson, MST 41.6
JORDAN KLEBER, BHSC 2:36.4 NORMAN GAUTHIER, BAC 2:40.5	Pete Winegarner, LRSC 2:10.8 100 YD BREASTSTROKE	SUSAN WOODIN, EBY 1:17.9 200 M INDIVIDUAL MEDLEY	LON REDGATE, EBY 2:53.2	KELLY GILLESPIE, GSG 1:26.8
	STEVE BARRY, LRSC 1:03.8	MARY DOYLE, DSC 2:48.4	DAN HEMENWAY, CY 3:00.4 400 M INDIVIDUAL MEDLEY	PAT PRICE FF 1:28.4
11-12	Jamie Crouch, KCAC 1:06.6 Don Constantino, LRSC 1:07.2	JILL CONNER, CY 2:49.8 SUSAN WOODIN, EBY 2:54.7	DAVID HALL, JCSC 5:51.8	COLLEEN BIRINDELLI, FF 1:32.5
		, 22.		

50 M BREASTSTROKE	40.0	100 M BACKSTROKE	1:09.4
MICHELE GONZALEZ, MYMCA NANCY ERICKSON, MST	43.2 45.4	MARYANNE GRAHAM, ADR CAROL PELUGHEBER, WYMYW	1:13.9
NANCY ERICKSON, MST NANCY NEEPER, SST	45.6	CRYSTAL KEMP, PH66LB 200 M BACKSTROKE	1:16.1
NANCY ERICKSON, MST	1:36.3	MARYANNE GRAHAM, ADR	2:27.6
MICHELE GONZALEZ, MYMCA KELLY GILLESPIE, GSG	1:36.7 1:40.8	CAROL PFLUGHEBER, WYMYW CRYSTAL KEMP, PH66L8	2:45.1
50 M BUTTERFLY KELLY GILLESPIE, GSG	38•2	DEBBIE HUDSON, ADR	1:20.2
Dawn Dobson, MST	39.0	VALERIE FISHER, UNAT MARTY HICKCOX, GSG	1:25.4 1:26.6
KATHY GILLESPIE, GSG 100 M BUTTERFLY	40•2	200 M BREASTSTROKE	
KELLY GILLESPIE, GSG KATHY GILLESPIE, GSG	1:24.1 1:30.3	DEBBIE HUDSON, ADR Jody Gordon, ADR	2:49.8 3:00.3
MARYLIN LOVELLETTE, ADR		ELLEN ERICKSON, MST IOD M BUTTERFLY	3:03.1
KELLY GILLESPIE, GSG	3:01.0	KARLA OLSON, ADR	1:11.1
PAT PRICE, FF NANCY ERICKSON, MST	3:12.0 3:14.5	PAM HUDSON, ADR CATHY SIEFARTH, ADR 200 M BUTTERFLY	1:13.3
11-12		SHARON KELLOGG, LSC	2:37.5
50 M FREESTYLE	20.0	KARLA ULSON, AUH	2:40.D 2:40.5
LAURTE PETERSSEN, ADR HEIDI TETZEL, MST	30.8 31.4	DITTI ROTOLO, GSG 200 M INDIVIDUAL MEDLEY	
HEIDI TETZEL, MST SEANA HOGAN, FF 100 M FREESTYLE	31.8	DEBBIE HUDSON, ADR PAM HUDSON, ADR	2:35.5 2:43.1
LAURIE PETERSSEN, ADR	1:06.1	CINDY PITTA, SCSC 400 M INDIVIDUAL MEDLEY	2:43.7
LARISSA GILBERT, LSC HEIDI TETZEL, MST	1:10.2 1:10.7	JILL STRONG, PCD	5:37.5
200 M FREESTYLE LAURIE PETERSSEN, ADR	2:23.7	SHARON KELLOGG, LSC CINDY PITTA, SCSC	5:42.7 5:43.1
LEISSA GILBERT, LSC HEIDI TETZEL, MST	2:28.5 2:30.0	80YS	
50 M BACKSTROKE		10 & UNDER	
HEIDI TETZEL, MST LINDEN HOLT, AB	36.4 37.2	50 M FREESTYLE BRAD HERING, SST	31.8
JANE MCCASKILL. ASD	37.7	BRIAN RIMMER, DSC MONT CAZIER, MST	33.9 33.9
100 M BACKSTROKE HEIDT TETZEL, MST	1:20.2	100 M FREESTYLE	1:09.2
LINDEN HOLT, AS JANE MCCASKILL, ASD	1:20.7 1:21.8	BRAD HERING, SST BRIAN RIMMER, DSC	1:12.7
50 M BREASTSTROKE LORI BROWN, GSG	41.4	MARK FRANKEL, MYMCA 200 M FREESTYLE	1:15.B
MAUREEN O'TOOLE, PH66LB	41.7	BRAD HERING, SST	2:30.4
KRYSIA CHUDZINSKI, LPL HEIDI TETZEL, MST	43.4) 43.4)	BRIAN RIMMER, DSC MARK FRANKEL, MYMCA	2:31.6 2:39.B
LORI BROWN, GSG	1:30.B	BRAD HERING, SST	37.0
MAUREEN O'TOOLE, PH66LB	1:31.1	BILL JONES, ADR BRIAN RIMMER, DSC	37.9 38.2
CARRIE ERICKSON, MST 5D M BUTTERFLY	1:34.0	100 M BACKSTROKE	
PAM MAURER, PH66LB Heidi Tetzel, MST	33.B 34.5	BRIAN RIMMER, DSC MONT CAZIER, MST	1:25.7 1:29.0
Laurie Peterssen, AOR	34.5	GREG FOURNIER, MST	1:31.8
HEIDI TETZEL, MST	1:15.7	50 M BREASTSTROKE BRAD HERING, SST	42.9
LAURTE PETERSSEN, ADR LEISSA GILBERT, LSC	1:15.7 1:19.4	BRETT BLASHILL, IR BRIAN RIMMER, DSC	45.8 45.9
200 M INDIVIDUAL MEDLEY HEIDI TETZEL, MST		SCOTT MOSHIER, LSC	1:38.8
HEIDI WILLSON, FF	2:53.4	BRIAN RIMM R, DSC KARL PIERCE, SST	1:39.B 1:41.3
LAURIE PETERSSEN, ADR	2:54.0	50 M BUTTERFLY	
13-14 50 M FREESTYLE		BRAD HERING, SST BILL JONES, ADR	33.3 35.5
SANDY JAMES, GSG	29.8 30.2	BILL JONES, ADR JAN LORANT, GSG IOD M BUTTERFLY	36.2
CONNIE FLATO, UNAT LEE ANN LABAR, AH	30.4	BRAD HERING, SST	1:15.B
SANDY JAMES, GSG	1:04.9	JAN LORANT, GSG Brian Rimmer, DSC	1:21.1 1:22.D
KAREN FILIPI, ADR	1:05.2	200 M INDIVIDUAL MEDILEY	2:49.2
JODY GORDON, ADR 200 M FREESTYLE		BRIAN KIMMER, DSC	2:55.5
CANDY TAMES GSG	2:21.1 2:21.5	MARK FRANKEL, MYMCA	3:01.8
NEENA WEBER, MST 100 M BACKSTROKE	2:21.7	II-I2 50 M FREESTYLE	
LEE ANN LABAR, AD	1:16.1	MIKE TREEND, AQ	30.5 30.7
CONNIE FLATO, UNAT BARB THOMPSON, SST	1:16.3 1:18.4	BRYON BAUER, UNATT JESS LESTER, UNAT	31.1
100 M BREASTSTROKE	1:27.5	100 M FREESTYLE	1:03.B
CONNIE FLATO, UNAT	1:27.7	BRYON BAUER, UNAT	1:05.7 1:06.5
LOD M. BUTTERELY	1:28.0	JEFF BAIRD, GSG 200 M FREESTYLE	
SHARON KELLOGG, LSC DITTI ROTOLO, GSG	1:13.5 1:13.4	JAY JOHNSON, GSG DANNY KATAYAMA, PH66LB	2:16.6 2:20.5
LEE ANN LABAR, AH		JEFF BAIRD, GSG 50 M BACKSTROKE	2:20.9
LEE ANN LABAR, AH  20D M INDIVIDUAL MEDLEY  LEE ANN LABAR, AH  JODY GORDON, ADR	2:39.6	BRYON BAUER, UNAT	35.6
JODY GORDON, ADR CONNIE FLATO, UNAT	2:41.2 2:41.9	JIM AXTELL, AQMB MIKE TREEND, AQ	36.2 36.7
		100 M BACKSTROKE	1:16.8
OPEN 100 M FREESTYLE	1.01 =	JIM AXTELL, AQMB	1:17.2
SANDY JAMES, GSG LYNN MORRISON, MYMCA	1:04.7 1:05.5	JIM AXTELL, AQMB JEFF BAIRD, GSG 50 M BREASTSTROKE JEFF BAIRD, GSG	1:19.3
KIM SPIKERMAN, ADR 200 M FREESTYLE	1:06.0	JEFF BAIRD, GSG MARK CAMPSELL, PH66LB	38.4 39.2
JILL STRONG, PCO	2:17.5	Mark Williams, AOR	41.1
CINDY PITTA, SCSC KAREN CAZIER, MST	2:20.3 2:21.5	JEFF BAIRD, GSG	1:24.4
400 M FREESTYLE	4:41.4	JAY JOHNSON, GSG Mark Campbell, PH66LB	1:26.l 1:27.5
CINDY PITTA, SCSC	4:53.9	50 M BUTTERFLY	32.0
BOO M FREESTYLE	4:54.6	Mike Treend, AQ Jeff Worth, SST	33.1
JILL STRONG, PCD DITTI ROTOLO, GSG	9:51.5 9:59.6	CLAY BALDWIN, ADR 100 M BUTTERFLY	33.4
KAREN CAZIER, MST	10:03.7	JEFF BAIRD, GSG	1:12.8

MIKE TREEND, AQ	1:14.4	DAVE KENYON, AH	1:03.8	JOE CRAWFORD, PH66	456.33
DANNY KATAYAMA, PHOSLB	1:16.6	DON PALSTRA, FF	1:03.9	ALAN ROSS, UNATT	451.20
200 M INDIVIDUAL MEDLEY		JIM GRUCKY, ADR	1:05.0	RICH MATHENY, O'BRIENDS	445.08
JEFF BAIRD, GSG	2:36.4	200 M BUTTERFLY		JAY LEREW, UNA	431.94
DANNY KATAYAMA, PHEELB	2:44.4	DAVE KENYON, AH	2:18.9	3 METER DIVE	
MARK CAMPBELL, PH66LB	2:47.2	DARRELL FICK, LSC	2:22.B	MIKE FINNERAN, RODS	556.29
		DON PALSTRA, FF	2:25.8	Russell, Smith SG	545.97
13-14		200 M INDIVIDUAL MEDLEY		PHILIP BOGGS, USAF	545.67
50 M FREESTYLE		DAVE KENYON, AH	2:20.6	Don Dunfield, SCSC	541.32
MIKE FRANKS, TRSC	26.7	DARRELL FICK, LSC	2:23.7	JIM HENRY, BGSC	540.99
TOM MELOTH, TOSS	27.4	ANDY DEVLIN, ASD	2:24.5	DENNIS HARTMAN, DUH	537.33
C.R. FERGUSON, UNAT	27.7	400 M INDIVIDUAL MEDLEY		MIKE BROWN, GATORADE	520.41
100 M FREESTYLE		DARRELL FICK, LSC	5:05.B	STAN CURNOW, SMITH SG	517.62
MIKE FRANKS, TRSC	1:00.7	DAVE KENYON, AH	5:11.2	TIM MOORE, RODS	514.32
TOM MELOTH, TOSS	1:01.2	ANDY DEVLIN, ASD	5:11.4	TODO SMITH, O'BRIEN	484.95
PAT DEVLIN, ASD	1:01.4			DICK RYDZE, UNI.PITTS.	479.04 474.24
200 M FREESTYLE	0.10 0	AAU NATIONAL DIVING 1	AF C T	JOHN VOGEL, GATORADE ID METER DIVE	717.27
MIKE FRANKS, TRSC	2:12.9 2:13.7		EEI	RICK EARLY, PH66	490.74
GREGORY DOZER, KL	2:14.5	LINCOLN, NEBRASKA JULY 11-15, 1972		MIKE BROWN, GATORADE	488 25
PAT DEVLIN, ASD	2.17.5	JULY 11-15, 1512		DICK RYDZE, UNI.PITTS.	478 • 77
JEFF WHELAN, GSG	1:10.6	WOMEN		JOE CRAWFORD, PH66	465.30
PHIL MARSOM, ADR	1:11.6	I METER DIVE		KEITH RUSSELL, SSSG	464.52
C.R.FERGUSON, UNAT	1:12.6	CYNTHIA POTTER, GATOR.	446.82	MIKE FINNERAN, RODS	462,48
100 M BREASTSTROKE		CHRISTINE LOOCK, UNAT	446.28	PHILLIP BOGGS, USAF	460.47
BOB ERICKSON, MST	1:17.0	Micki King, PH66L8	443.52	JIM HENRY, GATORADE	460.4i
C.R. FERGUSON, UNAT	1:17.6	JANET ELY, AASC	424.44	TODD SMITH, RODS	435.90
RANDY FUJIOKA, LSC	1:21.1	D'LYNN DAMRON	401.52	JULIAN KRUG, PH66	432.93
100 M BUTTERFLY		JERRIE ADAIR, GATORADE	401.16	STEVE SCHENTHAL, SAINTS	431.69
MIKE FRANKS, TRSC	1:06.7	JOEL O'CONNELL, SCS	399.45	DON MUIR, GATORADE	407.64
FORREST PICKETT, MST	1:07.B	BARBARA SCHAEFER, CSC	393.63		
Mike Lucas, PH66LB	1:09.6	DEB3Y LIPMAN, PH66	390.24	GARDEN STATE AAU ME	ET
200 M INDIVIDUAL MEDLEY		Susie Kincade, LSC	377.43	BERKELEY HEIGHTS, N Aug.20,1972 50	.J.
C.R. FERGUSON, UNAT	2:30.1	JANE MANCHESTER, SSC	377.04		M Pool
FORREST PICKETT, MST	2:31.9	LORI FUTCH, PPAC	350.94	GIRLS	
MIKE FRANKS, TRSC	2:32.4	3 METER DIVE	- 407 00	10 & UNDER 400 M FREESTYLE	
0		CYNTHIA POTTER, GATORAD		LINDA SWERDLOW, MONTCLR	6:30.2
02 EN		D'LYNN DAMRON, UNAT	426.03 416.28	HOPE HUNTER, UNATT	6:34.9
100 M FREESTYLE	57.5	CHRISTINE LOOCK, UNA		SALLY WIEDNECHT, MONTCL	R6:35.4
RICK TREVISIN, PH66LB Dave Kenyon, AH	57.9	JERRIE ADAIR, GATORADE JANET ELY, AASC	405.87	11-12	
DARRELL FICK, LSC	58.3)	MICKI KING, USAF PH66	404 • 2B	800 M FREESTYLE	
DON PALSTRA, FF	5B.3)	JOEL O'CONNELL, SCSC	397.53	DEBBIE PYYKKO, SHORE AQ	11:14.4
200 M FREESTYLE	00007	SUSIE KINCADE, LSC	3B1 •42	FLIZABETH JOHANSON.PCY	11:32.9
DAVE KENYON, AH	2:04.5	BARBARA SCHAEFER, CLAR.		SUE SCOTT, MONTCLAIR Y	11:44.9
DARRELL FICK, LSC	2:04.5	DEBBIE KEPLAR, RODS	375.27	13-14	
JOHN DUNSTER, LSC	2:07.2	LANI LOKEN, ANN ARBOR	360.51	1000 M FREESTYLE	12 24 1
400 M FREESTYLE		VICKY SCHABER, PH66	351.87	ANNE DALEY, OLYMPIAN	13.34.1
DAVE KENYON, AH	4:24.7	IO METER DIVE		ELLEN WALLACE, METUCHEN CHERYL GOERKE, METUCHEN	14:14.2
DARRELL FICK, LSC	4:28.9	JANET ELY, ANN ARBOR	389,55	15-17	
DICK PATTENGALE, PCD	4:31.5	MICKI KING, USAF PH66	368.85	1500 M FREESTYLE	
1500 M FREESTYLE		BARBARA SCHAEFER, CLAR'		MOE DILLON, OLYMPIAN	20:01.2
DAVE KENYON, AH	17:12.7	CYNTHIA POTTER, GATOR.		BETH SCHNUR, MONTCLAIR CAROL GOERKE, METUCHEN	20:10.8 21:38.7
DARRELL FICK, LSC	18:04.9	LANI LOKEN, ANN ARBOR	351.57	BOYS 10 & UND.	21100
RICK FLATO, UNAT	18:14.B	NORMA CHANDLER, USARMY	339.45	400 M FREESTYLE	
CHURK WOLES	1:02.7	DEBSY LIPMAN, PH66	336.21 321.03	ANTHONY DOMENICK, MONT. Y	6:03.4
CHUCK WOLFF, AG	1:03.9	KARANN STEWARD, GATOR.	314.64	ERIC HANSEN, UNATT KEVIN MILES, OLYMPIAN	6:12.7
GEORGE ANDERSON, AG DICK PATTENGALE, PCD	1:09.4	VICKY SCHABER, PH66 SARBARA MAYER, ANN ARBO		KEVIN MILES, ULYMPIAN	6:36.7
200 M BACKSTROKE		JANE WARD, PH66	280.65	800 M FREESTYLE	
CHUCK WOLFF, AG	2:20.2	MARY GRIFFITH, HURRICAN		TOM MILES . OLYMPIAN	11:43.5 12:32.5
GEORGE ANDERSON, AG	2:20.7	,		RICHARD LOLLA, SILTON	12:32.5
GIFF CUTLER, EPAP	2:25.D	MEN		TOM MILES, OLYMPIAN RICHARD LOLLA, SILTON DAVID KLOMAN, OLYMPIAN	12:46.2
100 M BREASTSTROKE		I METER DIVE		1000 M FREESTYLE	
ANDY DEVLIN, ASD	1:14.5	DON DUNFIELD, SCSC	524.61	IOM WEIGLEY SCOTCHPLES	13:28.7
MITCH REILLY, FF	1:19.5	Mike Finneran, RODS	494.49	RICH GOERKE, METUCHEN	13:31.5
Bos Erickson, MST	1:20.0	TIM MOORE, RODS	482.43	Rich. Hauptschein, Unatt. 15-17	14:34.2
200 M BREASTSTROKE	5-44.5	JIM HENRY, GATORADE	477.12		
ANDY DEVLIN, ASD	2:44.5	MIKE BROWN, GATORADE	474.48	1500 M FREESTYLE	21:29.5
EOS ERICKSON, MST	2:49.2	LARRY MORE, SUBURBAN	462.33	EUD RIMBAULDT, UNATT HANK HOOD, GARD.ST.SC	22:17.1
GIFF CUTLER, EPAP	2:49.7	JULIAN KRUG, PHS6 DICK RYDZE, UNI-PITT.	459.06 456.36	DANNY PEDOTA, GARD. ST. SC	
100 M BUTTERFLY					
			• • • • • • •	• • • • • • • • • • • • • • • • • • • •	

## MOVING

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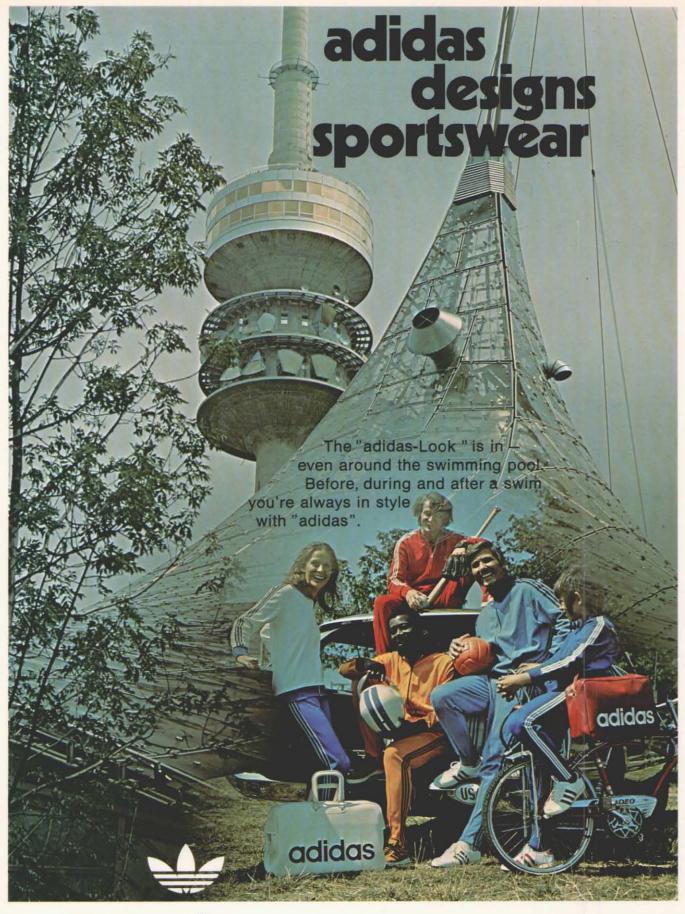
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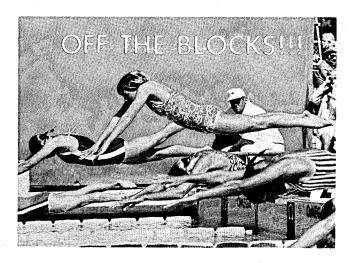


Photo by Tony Duffy

Mike Hastings, formerly coach at Multnomah Athletic Club, Portland, Oregon, has been appointed coach in Greece. He replaces Gary Ilman who has returned to the United States.

Also returning to the United States is Howie Auer after a coaching stint in the Philippine Islands. Auer, before leaving the States, was the coach at Illinois University.

The world of swimming is saddened by the loss of Eileen Sobec, wife of the Pacific Association's swim chairman. To the thousands of swimmers and coaches in the Pacific Association of the AAU, she was better known as the editor of "Lane Six," the district's monthly swimming newsletter.

And those who coach and compete in the college ranks will be saddened to learn that John B. Edgar, Jr., the most successful swimming coach in the history of Wesleyan University died en route to a hospital after suffering as apparent heart attack. Edgar, 38, since assuming his varsity coaching post in 1967 posted a 42-9 record and won the Little Three championship three times.

A new Michigan law permits girls to take part in non-contact interscholastic sports. The law specifically provides that girls may compete for positions on boys' teams. The bill, which becomes effective next March, would apply to such events as swimming.

Erasmus Hall H.S. in Brooklyn, New York, opens its 1972 season with three new co-captains. Senior Robert White, Mark Chadusciewicz and John Salcedo. White, a 90+ student, is a N.Y. City finalist swimmer.

Channel swimming reached its height this summer. a 59-year-old American doctor living in the Bahamas, Dr. Curtis Mendelson arrived in England to attempt the Folkstone to Clais crossing.

Richard Davis Hart, a Lt. in the U.S. forces in Germany swam the Channel but failed to beat the outright record by three minutes.

Hart, of Mountain Lakes, New Jersey, took exactly 10 hours to swim from Dover to Cap Gris Nez, the nearest points of Britain and France, some 23 miles.

Magdi Manour, a 17-year-old Egyptain student swam the Channel to France in 10½ hours. Mandour was handicapped by a dense fog. He is the third Egyptain to swim the Channel this season.

Greta Anderson, 45, is about ready for her comeback. A gold medalist for Denmark at the 1948 Olympics, Miss Anderson has had a seven-year absence from endurance swimming and won't tell you it's easier than it used to be. As a warmup, Miss Anderson planned to swim from the Queen Mary in Long Beach to Avalon on Catalina, a distance of 25 miles. The 5-9, 165 pounder swam the English Channel five times and chooses to take the next channel attempt after the Olympics.

Edward A. (Ted) Stickles, a former world champion in a total of nine events as a collegian at University of Indiana, was named swimming coach at Louisiana State University. The new Tiger mentor comes to LSU with a seven-year background as both a collegian and outstanding prep swim coach. He succeeds Dr. Ivan Harless, LSU coach for the past two years who resigned following the 1971-72 season to devote full time to his teaching duties at the university. Stickles at Indiana won five Big Ten titles, seven individual AAU Championships and was named All American three times. He broke nine world marks, became the first swimmer to break two-minutes in the 200 yd.

individual medley and held all world records in the individual medley for three years.

The selection of two new directors and the appointment of three other staff members with the National Collegiate Athletic Association has been announced by Walter Byers, Executive Director. Jack Waters was named director of the National Collegiate Sports Services in New York and Tom Jernstedt is the new director of events at the NCAA's executive office in Kansas City, Mo. Byers also announced the appointment of Dave Daniel as editor of the NCAA News, William B. Hunt as an executive assistant in the area of investigation, and Frank Barnking as an administrative assistant in the New York office.

Among the six finalists of the 1972 College Athletics Top Ten Student-Athlete Awards is Jerry Heidenreich, SMU Olympic gold medal winner. Heidenreich and the other five finalists will compete with the finalists from the fall sports nominations for the Today's Top Five Student-Athlete Awards sponsored by the NCAA.

Klass Schenk, a former Peace Corps volunteer in Brazil, has been coaching Morocco's swimming team in the ancient walled city of Marrakech. Schenk, 32, of Bend, Oregon expects his Marrakech team to win third place in the national swim competitions.

Attorney General Humberto Rodriguez of Yucatan, Mexico said that "foreign hippies" who swim in the nude will be offered a bath and haircut at government expense and will be asked to leave if they refused.

Funeral services were held recently for Carl R. Tammi of Dorchester, Mass., a retired Boston policeman and former New England swimming champion. In 1926 he won the New England AAU 220 yd.freestyle championship. In 1928 he won the 440 yd. freestyle championship as well as his favorite event, the 220. He competed in AAU meets throughout the country and swam against Johnny Weissmuller, who was in his prime.

Bill Spahn, coach of the Heights YMCA Club, Albuquerque, N.M., for the past eight years has moved to Wichita, Kansas to accept a similar position. At presstime, a replacement for Spahn had not been announced.

John Jordan of Albuquerque has accepted a coaching position with the El Paso Aqua Posse, filling in for the departed Mike Stevens. Replacing Jordan at his old club, Menual Tank Tigers will be Larry Tracy, formally of the Kearns Youth Aquatic Team in Utah. Mark Lautman, another of Albuquerque has left the profession to accept an assignment with VISTA.

In the July issue of SW, Gib Leach was erroneously reported to have attended Hinsdale High school, Leach graduated from Peoria Richwoods H.S., Ill.

With deep regret we mourn the passing of Warren Kealoha, winner of gold medals in the 100 m. backstroke events in the 1920 and 1924 Olympic Games. Kealoha, 69, was the baby of 1920 team when he won his first backstroke title. He was 16-years old and his winning time was 1:14.8. One of his Hawaiian teammates was Duke Kahanamoku. Kealoha lived in Honolulu. He was enrolled in the Swimming Hall of Fame in 1968.

Molly Baer, Madison, Wisconsin West Branch YMCA has claimed the national YMCA 11-12 girls' 50 yd. butterfly record with a 29.191 clocking. The West Branch Y in the Midwest Area U meet at Waukesha set a girls' national Y 11-12 200 yd. relay mark of 1:51.018. The quartet was composed of Julie Stahl, Robin Reif, Molly Bear and Laura Hong.

The Gotham Aquatic Association of the Metropolitan AAU completed its first full season as an organized club. The club was founded by Columbia University swim coach Don Galluzzi and 1968 Olympic double gold medal winner, Steve Rerych. Team leader is Alex Kazikas, prep All America and Scott MacLellan, 10 and under. The girls are led by Donna Tricarico and Lisa Capone, 10 and under. Other top swimmers are: Laura Bresko, Jim Clarke, John Girard, Astrid Grypma, Tom MacDonnell, Katie MacNivin, Paul Tricarico and Tim Wallace.

Ron O'Brien is offering a film analysis service from October 1 to May 31. The film service consists of the diver or his coach sending 10 rolls of film (50 ft. of 8 mm. or Super 8 mm. or 100 ft. of 16mm. to O'Brien for analysis.) For details contact Ron O'Brien, Diving Coach, Ohio State University, Columbus, Ohio.

Miss Terri Tarbell was involved in a very serious automobile accident in Indianapolis, Indiana, on May 31 which later claimed her life, July 27, 1972. Terri was the coach of the Indiana University women's swimming team. In a letter from team captain, Barbara Corell, she expressed her sympathy along with the entire swimming and diving teams at Indiana University. Miss Tarbell will be missed in the swimming world for she had much to offer.

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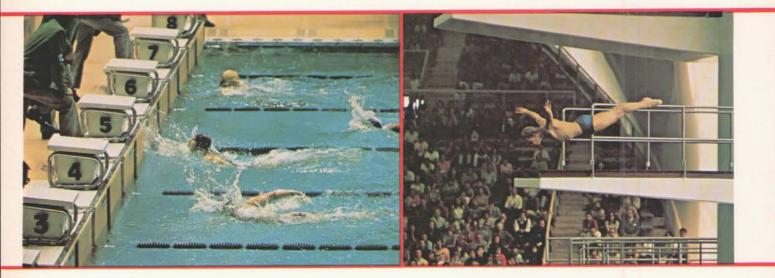
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#### **MUNCHEN 1972**

(Cont'd. from page 9)

September 4, advised that the question of whether he would have to return his gold medal would be submitted to the Executive Committee.

This Committee subsequently ruled that DeMont must return the gold medal. The ruling was appealed by the USOC under President Cliff Buck. Again the IOC Executive Committee refused to permit DeMont to retain his medal, and further ruled that second place finisher, Brad Cooper of Australia, would receive the gold. FINA then directed that Steve Genter, third finisher, receive the silver, and Tom McBreen, fourth place finisher, the bronzed.

In the September 4 release by the IOC Medical Commission, the chairman, Prince Alexandre de Merode, stated, "The persons accompanying the athlete should be punished according to the recommendation of the IOC Medical Commission, since they were clearly co-responible for the incident." To this date no ruling or disposition of this punishment has been released by the IOC or any other authority.

It is abundantly clear that the USOC Medical Commission had failed to notify the IOC that DeMont was on the medication Marex; that they had failed to advise DeMont that his medication contained ephedrine and not to use it; that they had failed to advise the IOC Medical Commission that they and they alone were responsible for the 16-year-old boy's failure to pass the doping control test; and that they had also failed to notify the coaches or the swimming team managers that DeMont had noted this medication on the processing form so they could take the necessary preventative action.

Dr. Patricia Clark, Mill Valley, Calif., DeMont's physician, stated that she had been treating DeMont for an asthma condition for the past ten years. She said, "I have had Rick on Marex for the last two years. Prior to that he was on similar preparations. The medication is taken every six hours or as necessary. Ephedrine in the prescription shrinks the bronchial membrane to reduce the swelling and secretion. The tranquilizer counterbalances each other."

Dr. Clark also stated that she was on vacation in Oregon when DeMont was brought before the USOC Medical Commission. She said that on her return home she was told the USOC Medical Commission had tried to reach her by telephone. "Why?" she asked, did they not try to contact me when the processing was held in Washington, prior to leaving for the Games?"

She added, "Reluctantly, I will change DeMont's medication to one that has no ephedrine."

She concluded, "I cannot believe the IOC can be so callous as to take away the medal of DeMont and leave him with the stigma of taking an illegal drug...a boy of 16 is paying for the sins of his elders."

But this wasn't the only problem facing the U.S. swimming team. First, there was the untimely illness of Steve Genter, who had to be taken to the hospital for a lung ailment. Steve underwent a minor operation that removed the fluid from his lung. He was out of training for almost a week. After receiving the medic's okay, he was permitted to compete in the 200 m. freestyle where he placed second to Mark Spitz. But even this incident had an after effect, when Genter was misquoted by the press that Mark Spitz had tried to talk him out of competing because it might endanger his health. Genter and Spitz did repond to the press' questions on this and apparently an incident that could have disrupted the team unity was resolved.

Then came the "Spitz and his shoes" incident. After winning the 200 m. freestyle on Tuesday, August 29, to give the glamour boy of the Olympics his third gold medal, he was besieged by autograph seekers on his way to the victory ceremony. He barely had time to climb into his sweats, and mounted the stand barefoot with his shoes on the platform behind him.

After the awarding of the medals and the raising of the flags, Spitz reached down and took his shoes in his hand prior to leaving the platform and marching around the Schwimhalle pool. Someone suggested that he respond to the ovation he was receiving from the 10,000 thrilled spectators. He innocently waved to the crowd with his hands still clutching his warm-up shoes. Result, a

But there were moments of glory, and the bad that will remain with this Olympaid forever, must not blot out the tremendous swimming by Mark Spitz, the 22-year-old Indiana University graduate from California who had endured four years of defeat from the Mexico Olympics.

Spitz won seven gold medals, more than any other man or woman in one or more Olympics. The moustached, six-foot, tanned athlete, described by Sports Illustrated "as looking like a Jewish incarnation of — you should pardon the expression —Omar Sharif," said about his moustache, "It helps my swimming. It catches the water and keeps it out of my mouth." This being the case, and with seven gold medals to prove it, look for a rash of moustached swimmers to mount the blocks from now on in.

After Mark had won the 200m. butterfly on the first day of the swimming schedule, he was more relaxed. The weight of four years had been lifted in the space of about two short minutes, the time needed to set the first of four world records he was to set in individual events and to join his teammates in three world records in relays.

Mark showed his confidence and maturity as he parried the huge press conferences that climaxed each appearance. Afer the Israeli tragedy, he appeared before the largest press gathering of the Games and said, "This is my last swimming competition. I will retire, protest by the IOC. Later the FINA ruled that medal winners must not carry shoes to the victory rostrum.

Shane Gould in lane 7 (top left photo) touches out Kornelia Ender(Lane 5) in the 200 IM with Lynn Vidali (lane 4) finishing third. Leslie Cliff is in lane 6, and finished fifth in the race; Klaus DiBlasi shows winning diving form; Karen Moe, winner of ths 200 fly, talks with press; and Cathy Carr wins handliy in 100 breast (lane 4). Over in lane 2 is Agnes Kissne Kaczander, who finished fourth. (Photos by Don Wilkinson and Swimming World)





I cannot announce my future plans at this time." He added, "Cancellation of the Games would not help the cause for which the Olympics stand."

But it was after his last race, the 400m. medley relay when he had won his seventh gold medal and achieved his goal, that a relaxed and happy athlete said, "I had to come back from a defeat in Mexico City that was hard to live with. I don't know if I'd do it again. But I don't have to." He said this had been his last race and he kept thinking as he sped through the water, "One less stroke, one less stroke."

A week ago when he had grasped two of the seven medals, he talked more freely. "I never swam for glory—only for the satisfaction of being recognized as the best in the world in a particular event. That's the goal of any athlete, isn't it?"

He added, "Looking back, I was a cocky little kid. I was exposed at a young age when I reached the top. Now I've been around. I'm older and I and I edit what I say. But I'm still the whipping boy since I say what I think, hoping somebody will listen. I regret nothing, the workouts, the meets, the people, the coaches. If you succeed, it's all worth it no matter how long it takes or what price you pay."

And so as he rode high on the shoulders of his teammates wearing his seventh gold medal as they bore him for his last trip round the Schwimhalle, a great and fantastic swimming career came to an end. Spitz was a remarkable young man who withstood the pressures, the challenges and the marks of time as each race added height to his glory. What more can one say?

And the girls had their superstar, though it took the performances of Mark Spitz to hide her brilliance. Australia's 15-year-old, blonde Shane Gould almost lived up to her coaches' predictions as she won three gold medals, one silver and one bronze. Her gold medal performances also created three world records as she dominated each race to win by impressive margins.

Like Spitz, she too had to face the pressures and the challenges, and though young in age, she met them with the poise of a veteran. Her victory on the first day of swimming in the 200 m. individual medley was, like Spitz, her most serious challenge, for her records prior to the Games had been confined to freestyle. But she defeated the best in the world in this race and lowered a world mark that had stood for four years. Defeated in the 100 m. freestyle, the Australian youngster came back the following day to easlity win the 400 m. freestyle and two days later, the 200 m. freestyle. Her upset loss in the 100 m. did not destroy her confidence, rather it made her want to win that much harder.

After her loss in the 800 m. free when her victory would have given her four gold medals to surpass Debbie Meyer's 1968 achievements, she said, "I guess there was too much spread between the 100 and 800 to win them all. But I will be back in Montreal for the 1976 Games, and hope to do better."

Shane showed the poise of a champion, and she no longer is the little girl who appeared bewildered at the 1971 Santa Clara International meet a year ago. She has grown taller, added weight, perhaps not wanted, and is swimming much stronger. She will be the swimming queen for several years to come, and could be the first girl to go under two minutes for the 200 m. freestyle.

To name the outstanding swim of the Games, one must include the gutty performance of Mike Burton who at 25 years of age, scored a rare Olympic repeat when he not only successfully defended his 1500 meter crown, but lowered the world mark to 15:52.58. The "Old Man," as he was called by his teammates because he was the oldest of the squad, provided a fitting climax to the men's individual races and set himself up as one of the great swimmers of all times

And who can overlook the great swim by unheralded Cathy Carr of Albuquerque? Cathy had never won a national title, had never appeared in internatonal competition and in 1971 was ranked 20th in the 100 m. breaststroke. Her best was a 1:17.83. The 18-year-old girl decisively won the 100 m. breaststroke in 1:13.58, shattering the world mark of 1:14.8 set by Catie Ball in 1968.

For a girl, Karen Moe's 2:15.57 for the

world mark in the 200 m. butterfly must also be accorded its place in swimming history. This clocking was almost three seconds faster than the world mark set by her teammate Ellie Daniel last year..

The Games had their usual surprises and one of the biggest was the victory by Sandy Neilson in the 100 m. freestyle. Sandy had qualified third in the Trials but she was a giant at the Games as she withstood the pressure to win her gold medal.

Gail Neall was overshadowed by her teammate, Shane Gould, and her victory in the 400 m. medley wasn't expected. Her time was outstanding.

There are more heartbreaks at the Olympics than there are moments of joy. The defeat of the U.S. girls in the 100 m. butterfly was a shocker and though the American girls went their best times, the winners all broke the world record.

And then take Brian Job. Biran was so intent on defeating the Soviet swimmer, Nikolai Pankin in the heats, that he allowed himself to record a slow time . . . a time that left him out of the finals.

Matthes, almost a certain medalist in the 100 m. butterfly had the misfortune to have a poor start and one that was not recalled.

And there was Shirley Babashoff who gave everything she had to help the U.S. win the 400 m. freestyle relay and completely remove whatever chance she had of defeating Shane Gould in the 200 m. free.

The 1972 Games . . . they were the greatest. But they never seemed to recover from the tragic Tuesday. The sorry days must be remembered alway as a time of bloodshed, bungling and bitterness. Neither the Games nor the IOC were in any way responsible for the bloodshed. As Red Smith of the New York Times wrote, "On the ground of common decency, however, the brass is faulted for blundering on with the frolic while the world stood aghast."

Swimming Worldwent to the Games to cover the aquatic events. They were the greatest ever, but we would not be honest to our readers and to those whose tragically lost their lives if the Munich story did not include the eventfuul happenings of the bloody Tuesday.



#### TO MARK SPITZ, HAIL AND FAREWELL

The dying plaudits weaker, fainter grow;
The coming decades threaten with a pall
To blot these years when millions give the call
Of heartfelt admiration, when the glow
Of brave accomplishment makes tributes flow
In warm applause that stings like rancid gall
The rivals who beside your stature fall;
But wave your hand before you smile and go.

And I, who gladly join the hailing crowd
With exultation, soon must ask your leave
To offer my exuberant farewell;
The laurels pass, but age will not bereave
The memory of cheers that echo loud
In joyful days that time cannot dispel.
Wade Wellman

#### DIVING (Cont'd. from page 38)

At this point in the contest, the silver and bronze medals were up for grabs and the gold was not out of reach of the top six.

The attitude of the judging had not improved over the other contest. Unfortunately, I do not have the BIAS report in front of me but you can take my word for it that in most cases the judges were exercising what seemingly was "the order of the day."

Rydze had shown an excellent display of self confidence and an element of undisturbed nerves. He had not missed a dive, receiving only two marks by judges under 6½ out of 49 awards. These two low marks were both sixes.

Going into the finals, Rydze, Ambarcunian, and Gendrikson were the only divers to keep all of their dives in the good or better bracket. Throughout the finals, Rydze continued to display this consistency and finished the contest without once executing other than a good dive. The more the pressure, the more you could see Rydze rally to the occasion. His display of steel nerves and desire to make each dive better than the last earned him his silver medal and the honor of being the only one in his contest to do 10 Olympic dives for good and better scores from a panel of international judges who, in no sense of the word, could be considered to be biased in his favor. In my opinion he gave an excellent performance in giving his all and doing his best in his sport when the chips were down.

The 8th round of dives was full of high degree of difficulty dives except for Gendrikson with a 2.2 and Wagstaff with a 2.3. All 12 divers scored above 6½ points on this round. All divers but two scored in the high 50's and low 60's. Carlos of Mexico, however, scored 66.99 on a triple twister, which was the highest scored dive in the entire 10 meter contest.

The 9th round of dives was disastrous to Finneran, Ambarcunian and Wagstaff. Cagnotto also missed his 9th dive, a 3½ somersault, for a total of 39.78 and a chance for the gold medal.

On the final dive, Dibiasi all but gave his bid for first place away by doing a very bad reverse 2½ somersalt. His scores ranged from 3 to 6 points. His net award was only 40.50. Giron, Hoffman and Matthes, missed their last dive. Rick Early must be commended for a job well done. Rick did not give up at any time and kept his mind on his work and finished in 6th place some 13 points plus, away from Cagnotto and a medal.

Klaus Dibiasi and Franco Cagnotto battled their way along with Dick Rydze to give the Olympic Games a real diving thrill.

BIAS REPORT OF THE JUDGING

These reports were made available immediately after each diving session of each event. Unfortunately, I do not have the Men's 10 meter BIAS Report at this time; however, if you would like a copy, please write and I will send you one. We have reproduced the other three events here for your study.

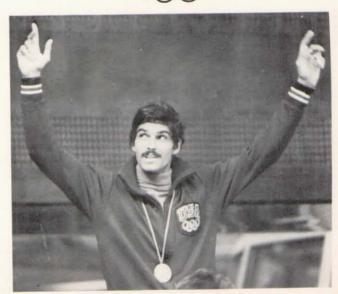
About the apparent poor quality, and the definite expression of biased opinions by all the judges, I am submitting the following BIAS Analysis. This analysis shows how each judge placed each diver in the contest, based on the award, calculated on each dive

using the degree of difficulty. Instead of my saying more, you study the findings, and develop your own opinion based on actual statistics.

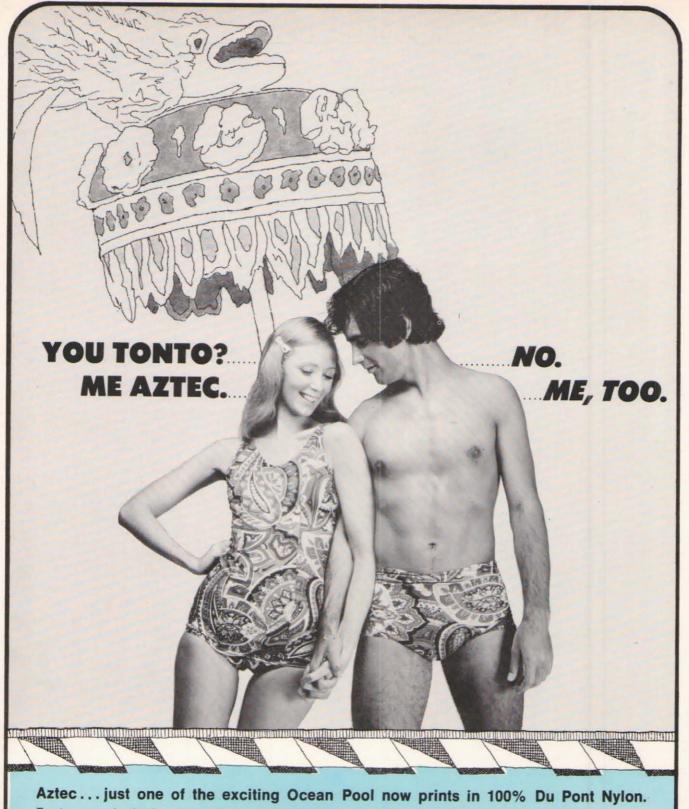
Personally, I did not like the judging but did anyone from any country go home satisfied? I was not satisfied with the results of our teams in Japan '64 and Mexico '68 that I coached. I stood up and told the world about it—taking considerable harassment, but not embarrassment. At that time I was the only one that was heard—and my dissatisfaction was probably attributed to being a poor loser. This time the facts were there for all of the world to see because of the tremendous television coverage.

I feel that possibly many of the mistakes, biased decisions, and prejudiced acts have existed in past Olympic Games, but have not been so available for the world to see. I am sure that many of the competing nations feel as we do, that there were many mistakes committed in their disfavor. Perhaps when we all have had time to restudy the purpose of the Olympic Games, this exposure of improper sportsmanship will help to make a better Olympics for all. Perhaps we can eliminate the political blackmail, commercialism, and professionalism from our Games by knowing the facts and acting accordingly.

Certainly we would all benefit by a world-wide set of guidelines for determining amateurism vs. professionalism. How useless and disgreceful it would be to lose the Olympic Games because of misinterpretations.



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