

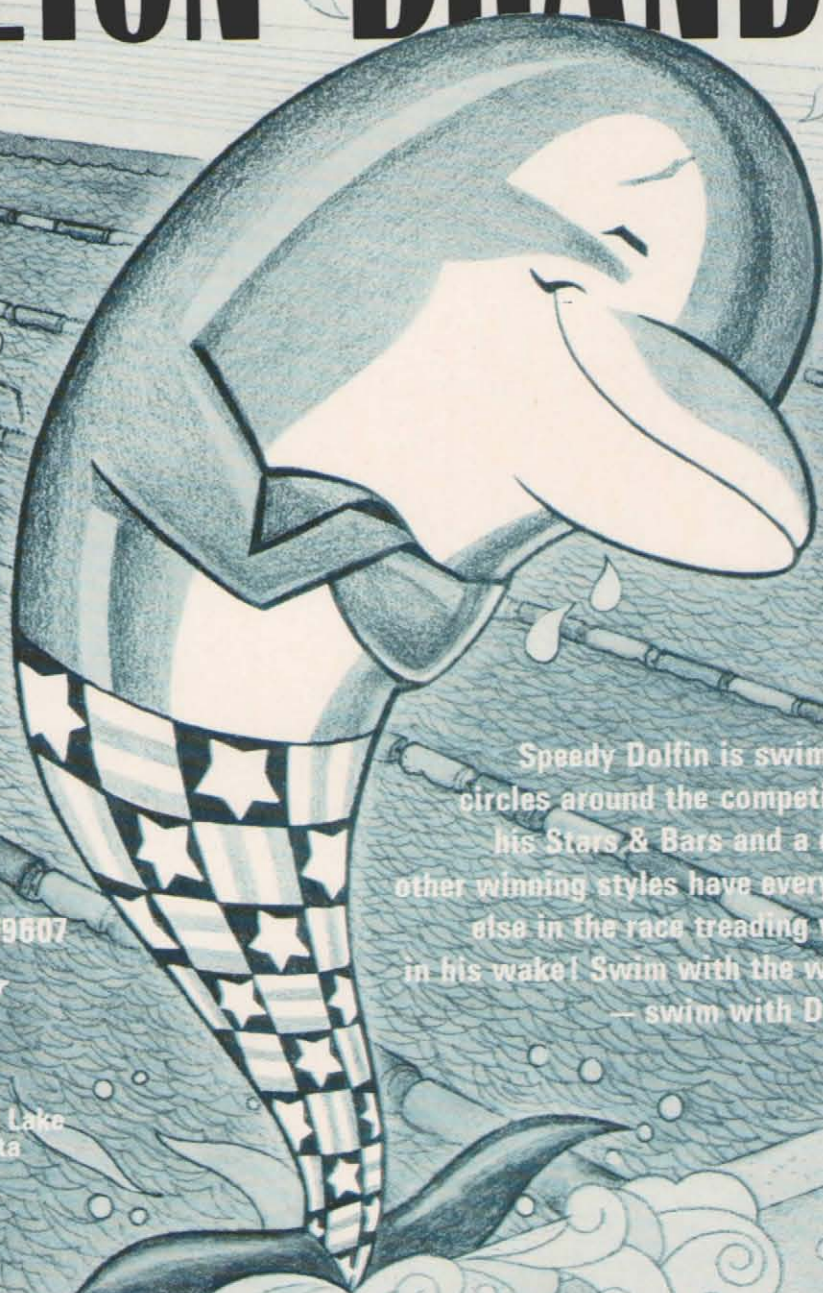
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OCTOBER 1973

First World Championships	4
Why Are East Germans So Good?	4
Women's Events	11
Men's Events	19
Water Polo	26
Diving	30
Synchronized Swimming	32
World Student Games	34
Where Are They Now?	36
Off Season Conditioning	45
AAU Meets	62
For The Record	72

COVER: Rosemarie Kother was but one of the many East German girls who dominated the First World Swimming Championships. Rosemarie set a new world record in the 200 fly with a fantastic 2:13.76. Her 100 split was faster than anybody's performance for the 100 alone (except for her teammate Kornelia Ender). (Swimming World Photo)

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FROM THE TOP

When politics and sport mix, sport takes a beating. At Belgrade, the FINA engaged in an exercise of politics, and the outcome was disastrous for swimming, diving, water polo and synchronized swimming.

At a series of FINA Bureau meetings (the Bureau consists of seven elected members from the Congress, plus the secretary, treasurer, four vice presidents, the president, six past presidents and the past secretary), the Bureau voted on several issues that will affect the sport, but not in the manner that agrees with the FINA's published aim, "To promote and encourage the development of Amateur swimming, diving, water polo, synchronized swimming and natorial pursuits throughout the world."

The Bureau, with some members absent, voted to reaffirm their broad interpretation of the controversial Rule 53. This is the rule that prohibits any relations by private citizens between affiliated members of FINA and non-affiliated members. The vote on who and how the Bureau members voted has not been made public, nor has the interpretation been published in the 1972-76 FINA Handbook.

In another action, by a two vote margin, 8-6, the FINA sounded a death knell to aquatic sports in South Africa and Rhodesia by suspending both nations because of their government's apartheid policy. While this writer abhors the racial policies of the barred countries, it is imperative to reveal, that by political interference by the FINA, South Africa and Rhodesia have been quarantined from any contact with the aquatic world.

Citizens in the sport from these two countries, whose only vice was to have been nationals of governments that practice apartheid, will not be eligible for any international competitions or exhibitions whether in South Africa and Rhodesia or in any country affiliated with FINA. No coach from an affiliated country may visit the suspended nations and neither South African or Rhodesian coaches or swimmers may visit a FINA affiliated country for clinic, exhibition or competition. How this will affect South African and Rhodesian swimmers currently competing in the United States in NCAA programs, or those to compete at a later date is difficult to comprehend.

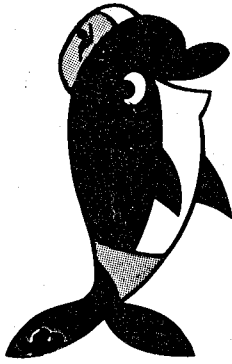
The barring of these two nations and the reaffirmation of Rule 53 is a disgraceful exhibition of intervention by a global body into the realm of national and international politics.

The time has come when the membership of the FINA should relate with the mood of today's world. FINA forgets that their prime function is to govern international aquatic sports, to represent the competitors, the coaches and administrators who give the sport its life blood.

The actions by a self serving minority of the FINA is repugnant to all in the sport who expect their leaders to equate with them, trustworthiness and openness.

No longer should antiquated rules make

(Continued on page 86)



FIRST WORLD CHAMPIONSHIPS

By AL SCHOENFIELD

A New Era In Swimming

BELGRADE, Yugoslavia — The First World Swimming, Diving, Water Polo and Synchronized Swimming Championships, August 31 through September 9, was an overwhelming aquatic success for FINA, the Organizing Committee and the sport. For the FINA and the world of swimming, it was also a political failure. (See From The Top, page 3.)

In a year after the Olympics, when most competitors were down, fantastic performances by the girls of the German Democratic Republic (East Germany); Australia's 15-year-old super kid, Stephen Holland; Italy's Novella Calligaris; Hungary's Andras Hargitay; Britain's David Wilkie; and the United States' Rick DeMont and John Hencken resulted in new world marks.

It seemed that every time the East German women went off the blocks they produced world standards. It was clearly an indication that their four years of preparation had culminated in a success beyond expectations. Though not quite ready at the 1972 Olympics where they could win but four silver (two in relays) and one bronze medal, Kornelia Ender and her teammates, at the Europe Cup meet in Utrecht on August 17-18, set three world marks and gave notice to the world that they were approaching the World

Championships in the same degree of preparation and intensity as if it were an Olympics. The same could also be said for all of the other teams entered except the Americans. The Americans not only split their teams, with one squad of 18 men and 16 women competing in the World Student Games in mid-August at Moscow, but they considered the World Championships as another trip with the training for their Nationals as the climax to their season. For it was at the championships in Louisville where the swimmers' and divers' performances qualified them for the U.S. team.

The Organizing Committee reported that approximately 796 competitors from 47 countries along with 373 officials participated in the meet. There were 426 swimmers, 87 divers, 86 competitors in synchronized swimming and 197 water polo players. There were 89 judges and referees, 172 trainers and 112 officials. In addition, more than 500 journalists, TV and radio reporters and photographers covered the championships, with 29 countries covered by journalists and 20 countries represented by TV.

The Medical Committee of FINA, remembering well the disqualification of Rick DeMont in the Olympics, conducted the doping tests and reported all were

Editor's Note: With the quick rise to the top by the East German female swimmers at the First World Championships in Belgrade, much speculation was raised as to why these girls were so successful. The following article by Jean Pierre LaCour was translated by International Editor Nick Thierry from the Paris newspaper, France-Soir, Sept. 9-10, 1973.

"For a long time, everyone's curiosity has been aroused by the success of the East German swimmers, especially as they jealously keep the secrets of their success to themselves.

It is extremely difficult to talk to any team member from East Germany without the presence of some official being always present. They have refused access to their training centers to both foreign and East German journalists.

Thanks to a coach from one of the Eastern countries, who for obvious reasons wishes to remain anonymous, a little bit of the mystery may be uncovered. The coach in question has spent considerable time and also took part in the East German training program.

His statements can be substantiated by simply observing the appearance of the East German swimmers, who are considerably changed from a year ago. Also, many coaches from other countries have similar opinions about the reasons behind the East German successes.

The first fact to be confirmed is the systematic search and detection of future champions. At age eight, tests and competitions locate the talented individuals. Later, these potential athletes are gathered in one of ten clubs established in the country. Each club has at least five full-time professional

Why Are the East Germans So Good?

(Continued on page 33)



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negative. The Committee did not test all medal winners, but selected athletes at random.

The Organizing Committee used three facilities to conduct the Championships. Tasmajdan was the main pool for swimming events and the final four games of polo. The opening and closing ceremonies were held here. It is an open, heated 50 meter pool by 21 meters wide (eight lanes), two meters minimum depth and seats 5,500 spectators.

An indoor practice pool, 50 meters by eight lanes, seating 2,500 is but four meters from the main competition pool. The indoor pool was used for synchronized swimming competitions.

Stari Grad is a new pool three kilometers from Tasmajdan. This 50 meter, eight lane indoor pool seating 2,000 was used for synchronized swimming competitions. An adjacent 30 x 21 meter outdoor pool was used for water polo training.

Banjica, a 50 meter indoor, eight lane pool, seating 2,000 spectators was used for polo competition.

Kosutnjak, a 50 meter open heated pool with seating for 2,000 is seven kilometers from Tasmajdan. A separate diving well and 25 meter outdoor heated pool was used for diving.

A Longine timing equipment system, the same as used in Munich, timed eight places to one-thousandths of a second and also provided a video tape finish like Munich. An electronic scoreboard flashed running times and splits for eight competitors. A television camera above each lane recorded on tape finishes and take-offs on relays. This system was to provide one of the meet's rhubarbs on a relay disqualification.

In the 4x100 freestyle relay, Sweden's team in the prelims was disqualified by a judge who ruled an early take off. A review of the TV tape is alleged to show the relay take-off to be legal and the team

left the pool believing they would swim in the finals.

But this was not to be. A review by the FINA Bureau ended in a tie, three to permit Sweden in the finals, three opposed. The tie vote was broken with the casting of a vote against Sweden by the President of FINA.

It was reported by the Swedish delegation that because they had not filed a formal written protest within 30 minutes of the prelim, they could not swim. The Swedes contend that the TV camera apparatus was installed for official use and the FINA should have used the equipment without a written protest — or why have it installed as part of the official timing and judging equipment.

The opening ceremonies were held Friday evening, August 31, with the President of the Honorary Committee and the President of the Federal Executive Council, Dzermal Bijedic, announcing the opening of the championships. A



Playing prominent parts in the First World Championships at Belgrade included (top left, clockwise, page 6) Angela Franke, the East German medley relay, Renate Vogel and backstrokers Melissa Belote and Ulrike Richter; (top left, clockwise, page 7) Jim Montgomery, Stephen Holland with coach Laurie Lawrence and Robin Backhaus. (Photos by Giuliano Bevilacqua; Belote, Richter and Montgomery photos by Swimming World)

performance by the Police Club Orchestra followed with sailors parading on the deck while carrying the Dolphin Mascot Banners with the names of the nations participating. Following this was the parade of the athletes led by sailors carrying the respective flag. Opening addresses were given by Kasim Husovic, President of the Organizing Committee, and Dr. Harold W. Henning, President of the FINA.

The playing of the Yugoslavian National Anthem and the raising of the Yugoslavian National flag and the flag of FINA marked the final act of the ceremony.

The closing ceremony was held on Sept. 10 with a parade of flag bearers of all participating countries to the music of the band of the City of Belgrade.

Dr. Harold Henning made a short speech thanking all competitors, officials and Organizing Committee who made the Games successful, and he stated the

purpose of FINA was to promote swimming throughout the world.

After Dr. Henning's speech, Mr. Dzemal Bijedic, President of the Federal Executive Council and chairman of the Honorary Committee, closed the First World Championship. The flags of Yugoslavia and FINA were lowered, the latter taken to the President of FINA who then presented the flag to the representatives of the City of Cali, Colombia, the organizer of the next World Championships in 1975.

At an official reception later in the evening at the most beautiful Federal Executive Council building, which was attended by all of the athletes, officials and members of the press, Organizing Committee and FINA, Dr. Henning made the following presentations for high point winners:

Men's Swimming Championships U.S.A.
Women's Swimming Championships

Championships	G.D.R.
Men's Diving	
Championships	Italy
Women's Diving	
Championships	G.D.R.
Water Polo	Hungary
Synchronized Swimming	U.S.A.
Individual Swimmer	
Kornelia Ender	G.D.R.*

*The method of determining the winner of the high point swimming award presented to FINA by the Yugoslavian daily "Politika" was: gold medal, five points; silver medal, three points; bronze medal, two points; fourth place, one point; and world record, two points.

The following world records were set in the championships:

MEN	
400 m. freestyle:	3:58.188
Rick DeMont, U.S.A.	
Sept. 6	
800 m. freestyle:	8:16.273
Stephen Holland, Australia	
Sept. 8	

1500 m. freestyle:	15:31.859
Stephen Holland, Australia	
Sept. 8	
200 m. backstroke:	2:01.878
Roland Matthes, G.D.R.	
Sept. 6	
100 m. breaststroke:	1:04.023
John Hencken, U.S.A.	
Sept. 4	
200 m. breaststroke:	2:19.285
David Wilkie, Great Britain	
Sept. 6	
400 m. individual medley:	4:31.116
Andras Hargitay, Hungary	
Sept. 5	
800 m. freestyle relay:	7:33.224
U.S.A. (Kurt Krumpolz, Robin Backhaus, Rick Klatt, Jim Montgomery)	
Sept. 7	

WOMEN

100 m. freestyle:	57.542
Kornelia Ender, G.D.R.	
Sept. 9	
800 m. freestyle:	8:52.973
Novella Calligaris, Italy	
Sept. 9	
100 m. backstroke:	1:04.998
Ulrike Richter, G.D.R.	
Sept. 4	
200 m. butterfly:	2:13.766
Rosemarie Kother, G.D.R.	
Sept. 8	
200 m. individual medley:	2:20.518
Andrea Huebner, G.D.R.	
Sept. 4	
400 m. individual medley:	4:57.511
Gudrun Wegner, G.D.R.	
Sept. 6	
400 m. medley relay:	4:16.844
G.D.R. (Ulrike Richter, Renate Vogel, Rosemarie Kother, Kornelia Ender)	
Sept. 4	
400 m. freestyle relay:	3:52.452
G.D.R. (Ender, Andrea Eife, Huebner, Sylvia Eichner)	
Sept. 8	

WOMEN'S EVENTS

In one year, since the 1972 Olympics, the German Democratic Republic now owns eight of the 15 women's world marks, including both the 400 m. freestyle and 400 m. medley relays. Shane Gould, the woman star of the Munich Games and holder of all freestyle world records has but one, the 200 meters, left to her name. Fame is but a fleeting moment.

The United States women must start to work harder for the 1976 Montreal Olympics. They own the oldest marks in the record book — the 100 breast by Cathy Carr, the 200 breast by Catie Ball in 1969, the 400 freestyle by Keena Rothhammer, the 1500 by Jo Harshbarger and the 200 m. backstroke by Melissa Belote.

Too much cannot be said about the supremacy of the East German team. On the first day of the meet, they shocked the world — seven final swims, seven world records as the four girls on the medley relay each swam under the world record. Their margin of victory over runnerup United States was so great (20 meters) that not even a wide angle lens could register the winning margin. It was the worst defeat ever by an American relay team.

On the same evening, Huebner and Ender both went under the 200 m. individual medley world record, Huebner



OPENING CEREMONIES — Placards carrying the names of each participating country in the First World Championships are carried in to begin the

festivities of opening night. The dolphin mascot sits atop each placard.

touching out her teammate. Gudrun Wegner became the first woman to break five minutes for the 400 m. individual medley, clocking 4:57.511. The closest American was 5:06.

And who can forget the fantastic swim by Rosemarie Kother who demolished the women's 200 m. butterfly by going 2:13.766. Her split was 1:03 plus — a feat that only four girls have ever done in just a 100 m. butterfly event. Kother's time would have placed her second in the 1960 men's Olympic event.

The Women's 4x100 freestyle event is a soft world record at 3:52.452. The four German girls averaged under a minute, but one split was 59-plus. That is bound to improve and the record can go to 3:50.0 by the European Championships in 1974.

Ender is a gold medal threat anytime she mounts the blocks — whether it be freestyle, medley or fly. This 14-year-old (she'll turn 15 in October) with the old style butterfly technique has yet to reach her peak. There is no American at present that can challenge her.

Of the 1972 Olympic champions, only Melissa Belote, U.S.A., was able to successfully defend a title, that being her 200 m. backstroke. She was defeated in the 100 m. backstroke, placing second behind East Germany's world record holder, Ulrike Richter.

Novella Calligaris, Italy, finally won her first major championship and set her first world mark. Moving up from third in the 1972 Olympics in the 800 freestyle, she led the entire way in the 800 to win in a new world record time of 8:52.973.

The German Democratic Republic won ten of the 14 women's swimming events and easily outpointed the United States, 188 to 143.

Here is the women's medal count (swimming only):

	Gold	Silver	Bronze
G.D.R.	10	5	3
U.S.A.	3	7	3

Italy	1	2
U.S.S.R.	1	
Netherlands	1	1
Germany		2
Japan		1
Canada		1
Hungary		1

MEN'S EVENTS

The East German men failed to show any great improvement over their 1972 Olympic performances.

Roland Matthes, never tasting defeat since 1968, is in a class by himself. He completely overshadows the field in backstroke and had no trouble winning the two dorsal events. He broke his own world mark for 200 meters on Sept. 6, clocking 2:01.878. Anytime he wishes to break two minutes, he can.

Matthes slipped on the pool deck and severely hurt his ankle on the evening before the final day of the meet. He thus scratched the 100 m. freestyle, but did lead off for his team in the medley relays, his effort giving the G.D.R. a silver medal in the event.

The U.S. men swimmers, decimated by retirements and a split squad (Furniss, Tingley, Knox, etc. at Moscow), still showed they are dominant in world men's swimming.

Jim Montgomery, 18, 6-5, 190 pounds, and a freshman at Indiana, is the heir apparent to Mark Spitz. The young Wisconsin born swimmer, who in the 1972 Olympic Trials, finished no better than 34th in the 200 m. free and 23rd in the 100 m. free, is but a few ticks away from the world marks in both of these events, winning in 1:53.027 and 51.708, respectively. These two gold medals, plus three relays made him the highest gold medal winner of the meet with five.

Rick DeMont, U.S.A., got his second chance to swim against Australia's Brad Cooper, Olympic winner in the 400 when Rick DeMont was disqualified. The World

Championship 400 was almost a replica of the Olympic event, as DeMont came from behind to win in world record time of 3:58.188. Cooper also went under four minutes.

John Hencken, U.S.A., the pre-meet favorite to win the breaststrokes, set world marks in both the prelims and finals of the 100, his gold medal world record clocking being 1:04.023. However, John was upset in the 200 m. event as David Wilkie, G.B., came from behind in the last 20 meters to win in a new world standard of 2:19.285.

Using second stringers, the U.S.A. 800 m. freestyle relay team barely qualified, placing eighth in the prelims. But like the 1971 Pan Am team, from lane 8, the foursome of Kurt Krumpholz, Robin Backhaus, Rick Klatt and Jim Montgomery set a world standard of 7:33.224, winning by 15 meters over Australia.

Andras Hargitay, Hungary, moved up from third in the 1972 Olympics to first in the world meet as he won the 400 m. individual medley in 4:31.116. Rod Strachan, in his first international competition, was second, as the USC freshman from Anaheim, California, surprised Rick Colella, who placed third. Gunnar Larsson of Sweden did not defend his 400 individual medley title.

But the race of races for men had to be the 1500 meters on Sept. 8. Skinny, 15 years young, inexperienced Steve Holland, whose rapid turnover belies his power, won the event in 15:31.859, clipping six seconds off his previous world mark. DeMont, who also went under the old mark, simply couldn't catch the fast

stroking Aussie who looked like he could swim 1:02's forever. As it was, the field went one extra lap because the feeble horn denoting the last lap was never heard by the competitors. And the lap counter was just too small to be seen. (FINA must have thought each competitor had contact magnifying glasses.) Holland, on the way, was timed in 8:16.273 for a world record for 800 meters. Holland's unofficial time for 10 strokes averaged 5.2 to 5.5 seconds while DeMont's was 8.3 to 7.9 on the final quarter. The U.S. men won the men's swimming championships, 204 to G.D.R.'s 97.

Of the men's swimming races, the United States won eight with six other nations dividing the other seven events.

Here is the men's medal count (swimming only):

	Gold	Silver	Bronze
U.S.A.	8	8	3
G.D.R.	2	1	3
Australia	1	2	2
Hungary	1	1	
Canada	1		1
Sweden	1		1
Great Britain	1		1
U.S.S.R.		2	
France		1	
Japan			2
Germany			2

GENERAL COMMENTS

Perhaps it might be well to add a few comments by U.S. athletes in regard to the meet. Most felt it was too long — too many days. Many complained there was nothing to do between events. They said

that at the Olympics, recreation was provided in the Village. Thus, they could go to the recreation hall, play shuffle board, etc. In Belgrade, they complained they were cooped up in the hotel with no recreation. They appreciated the small outings but felt this was not sufficient.

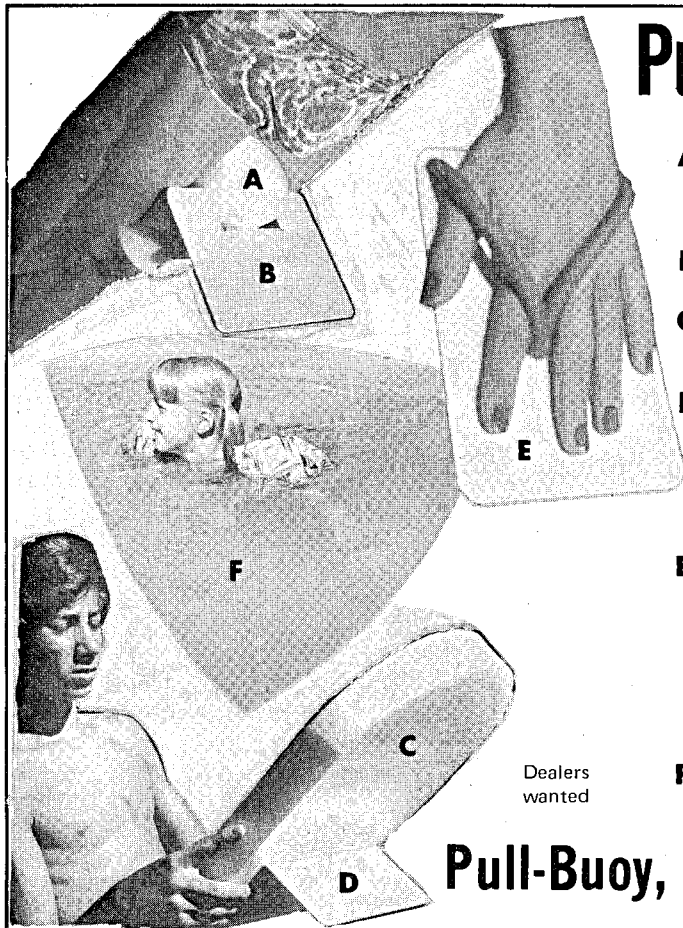
Still, all things considered, the First World Championship is a milestone, and it provides an opportunity to succeed for those who just miss reaching their greatest potential at an Olympic year. The meet can develop into one of almost equal importance as the Olympics.

Tradition builds great meets. The FINA should consider permitting more competitors to be entered for each event, rather than two per event from each nation. A time standard should be set, and a third or fourth swimmer per event per country who can meet this standard should be permitted to swim.

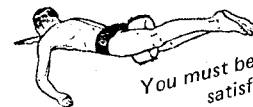
U.S. swimmers under Head Coach Gus Stager and Assistant Coaches Don Watson and Dick Fetters, along with manager Walt Anderson and chaperone Ruth Hoffman, did a great job in the handling of the U.S. team. They encountered no problems with the swimmers and were overextended in that there were insufficient number of coaches for the number of swimmers on the U.S. team.

Phillips Petroleum Company, whose funds were matched by the U.S. Olympic Development Committee, made the trip possible.

Jack Kelly arranged for a stay in Monaco after the competition, at which time the swimmers competed informally against the French.



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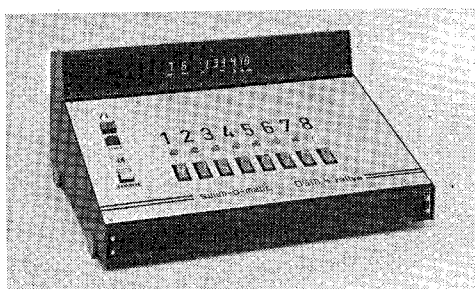
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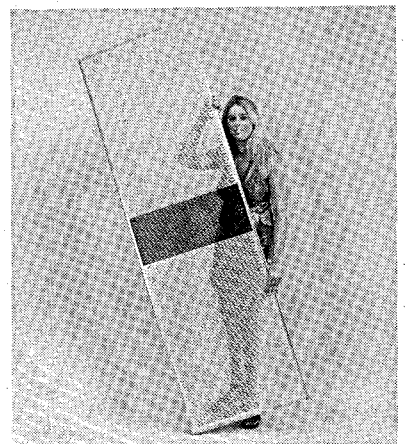
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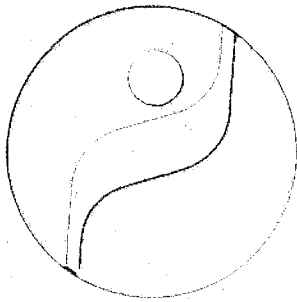


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Women's Events

By BOB INGRAM and NICK THIERRY



HEATHER GREENWOOD

(Photo by Tony Duffy)

Freestyle

100

World Record: 58.12
Kornelia Ender, EG, Aug. 17, 1973
1972 Olympic Champion: 58.59
Sandy Neilson, USA

It's been nine years since 59 seconds was broken for a new world record in the women's 100 free. And since 1964, when Australia's Dawn Fraser dipped under 59 to set a world record at 58.9, only Shane Gould had set a new world mark at 58.5, which was set just last year.

But since last year, East Germany's Kornelia Ender, who only had an Olympic 200 IM silver medal to her credit, came on the scene. And since that time, the slender and attractive, 14-year-old Kornelia has virtually rewritten the record book for the 100 free. It seems that every time she swims the event, a new world record is set. In July, she brought it down to 58.2, and in August, she lowered it to 58.12 and came into the World Championships with that time and obviously as the No. 1 seed.

But Kornelia wasn't going to wait around until the final day of competition to let everyone know she was the fastest female sprinter in the world. On the first day of the finals of the 4 x 100 medley relay, Miss Ender anchored her victorious and world-record setting relay team with a 57.21 freestyle leg, well under the 58.12 world standard. (However, only leadoff legs on relays are considered for world records because of the advantage gained on successive legs on relay starts. Still, her time was quite impressive.)

Later in the week, Kornelia had her chance to lower her world record as she led off in the 4 x 100 freestyle relay. What resulted was a magnificent 57.615 swim enroute to her team's stunning world record swim in the relay of 3:52.452. With that performance, Kornelia became the first girl to officially break 58 seconds.

But her record-breaking efforts didn't stop there. On the final day of competition in the actual 100 free race, she further lowered her own world mark to 57.542 — an awesome feat, especially when considering it took eight years to lower the record by four tenths, and then just a matter of months for Kornelia to lower the record further still by a full second.

Last year's Olympic silver medal winner Shirley Babashoff, USA, again finished in second with a 58.876, just three thousandths ahead of Holland's Enith Brigitha, who also had a silver medal in the 200 backstroke.

Thirty-six swimmers competed in five morning heats with Ender winning her heat with an easy 59.695 and qualifying fourth. Brigitha, who was seeded second, was the top qualifier with a 59.166. Five girls swam under a minute with the cutoff time for the finals being 1:00.542. In the finals, seven of the eight girls bettered a minute. Outside of Ender, the top seeded girls swam slower times than what they had done earlier in the year. A big drop was by the fourth-seeded swimmer, Kathy Heddy of the United States, who after winning a bronze medal in the 200 IM, finished a disappointing seventh in the 100 free with a 59.900.

The third place finish for Brigitha was a big jump for her, as she had finished in eighth place in last year's Olympics with a 1:00.09.

The finalists:

Kornelia Ender	GDR	57.542*
Shirley Babashoff	USA	58.876
Enith Brigitha	HOL	58.879
Andrea Eife	GDR	58.931
Guylaine Berger	FRA	59.518
Jutta Weber	GER	59.585
Kathy Heddy	USA	59.900
Francoise Monod	SUI	1:01.240

*World Record

World Record: 2:03.56
Shane Gould, AUS, Sept. 1, 1972
200 1972 Olympic Champion: 2:03.56
Shane Gould, AUS

Fame is but a fleeting moment. And the 200 freestyle is the perfect example of it, as it is the only event in which Shane Gould, who retired just months ago, still holds a world record.

And there was never any serious challenge on her record either.

The American girls Shirley Babashoff and Keena Rothhammer came in as the No. 1 and No. 2 favorites, and they finished one-two in the finals, although switching places, as Rothhammer pulled out an upset win over Shirley, 2:04.999 to 2:05.332.

It would have to be somewhat of a disappointment for the American record holder Babashoff, as she came into the meet with a better time than what Rothhammer did to win the 200, which is considered Shirley's best event. As in the 100, it was a repeat of last year's Olympics, as Shirley had won the silver medal in the 200 behind Shane Gould.

Babashoff, who normally has a strong finish, was in good position for a victory as she went out hard and touched first at the 100 with a 1:01.425. Keena, 1:01.511, was close behind in third behind East Germany's Andrea Eife, 1:01.444.

Keena then put on a strong finish like she did at the U.S. Nationals, but this time, she outtouched Shirley for the victory. Keena's final leg home was a 1:03.48, compared to Babashoff's 1:03.91.

At the U.S. Nationals, Shirley went out a bit slower and came home in 1:02.31 for a fine time of 2:04.63. But after going out harder in the World Championships like she said she would, she just couldn't repeat her performance.

Keena explained, "I'm basically a comeback swimmer. I try to maintain even splitting. I went out faster than I usually do, and I was happy with that. I like the 200 because it adds variety to my swimming."

In the morning prelims, in which 34 girls competed in five heats, Rothhammer was the leading qualifier with a 2:07.531, winning the fourth heat. Babashoff won the final heat and qualified second in 2:07.753. The eighth qualifier had a 2:10.878.

The finalists and their splits:

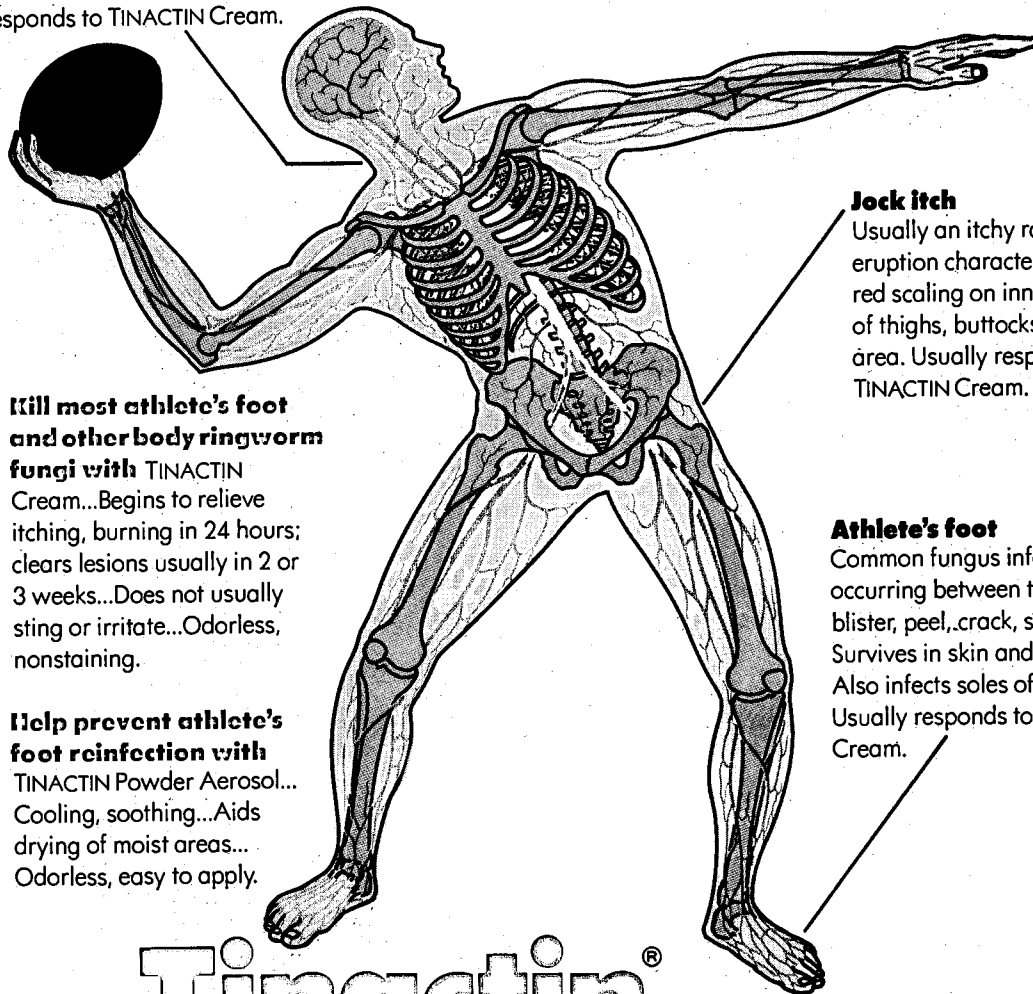
Keena Rothhammer	USA	1:01.511	2:04.999
Shirley Babashoff	USA	1:01.425	2:05.332
Andrea Eife	GDR	1:01.444	2:05.525
Virginia Rickard	AUS	1:02.221	2:07.889
I. Johansson	SWE	1:03.870	2:08.895
Elke Sehmisch	GDR	1:02.901	2:09.331
V. Stel	HOL	1:03.030	2:09.412
Jutta Weber	GER	1:03.128	2:10.587

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KEENA ROTHHAMMER, SHIRLEY BABASHOFF

400 World Record: 4:18.07
Keena Rothhammer, USA, Aug. 22, 1973
1972 Olympic Champion: 4:19.04
Shane Gould, AUS

As in the 200, the American girls again finished one-two. And, as in the 200, it again was an upset.

This time, Keena Rothhammer, who had earlier won the 200, was the overwhelming favorite as she had just set a world record two weeks before at the U.S. Nationals.

Heather Greenwood, 16, came in as the second seeded swimmer with a respectable 4:20.36. Heather, who competes for the Fresno Swim Club, has always turned in excellent performances, but has pretty much taken the back seat at the big meets. But the World Championships were another story with Greenwood upsetting the world record holder, 4:20.287 to 4:21.507.

The eight finalists turned in rather easy swims in the morning prelims, which saw 25 swimmers compete in four heats. Greenwood was the top qualifier with 4:24.938, while the world record holder Rothhammer had a 4:25.122 to qualify third behind Virginia Rickard of Australia, 4:24.994. Janice Stenhouse of Canada was the final qualifier at 4:32.040.

In the finals, a slow pace was set by Greenwood, with the rest of the field content to stay back. Greenwood led at the 100 with a 1:03.763, while Rothhammer was back in fifth at 1:04.491. In the next 100, Rothhammer started to move and touched second at the 200 in 2:10.315 behind Greenwood at 2:09.829.

This was the same type of race as the U.S. Nationals when Rothhammer set her world record. At that time, Greenwood took the early lead with Rothhammer waiting back until the second half of the race to pass Greenwood. But in this race, the pace was much slower, and consequently, Greenwood was a bit stronger for the final 200.

At the 300, Greenwood gained three tenths on Keena, splitting 3:15.644 to 3:16.447, and Heather just extended her lead a bit more by the finish, winning in 4:20.287 to 4:21.507 in her best ever time.

Predictably, Heather said after the race, "I didn't go out as hard as I usually do. I had a 2:09 at the 200, and I usually go out in 7.7 or 8.0 by the 200. I felt very strong at the end of the race."

Italy's Novella Calligaris, who won a gold medal and set a world record in the 800 free, came in third with a 4:21.798. Novella won a silver medal in the 400 in last year's Olympics.

The finalists and their splits:

Heather Greenwood	USA	1:03.763	2:09.829	3:15.644	4:20.287
Keena Rothhammer	USA	1:04.491	2:10.315	3:16.447	4:21.507

Novella Calligaris	ITA	1:04.223	2:10.681	3:16.862	4:21.798
Virginia Rickard	AUS	1:04.403	2:11.069	3:17.681	4:23.486
Gudrun Wegner	GDR	1:03.998	2:10.482	3:17.845	4:24.641
Elke Sehmisch	GDR	1:04.844	2:13.022	3:22.909	4:30.940
Janice Stenhouse	CAN	1:05.198	2:14.201	3:23.814	4:31.923
Narelle Moras	AUS	1:06.668	2:16.488	3:26.013	4:34.948

World Record: 8:53.68

Keena Rothhammer, USA, Sept. 3, 1972

800 1972 Olympic Champion: 8:53.68
Keena Rothhammer, USA

If there's one swimmer who's always been near the top, but really hasn't been at the very top, it's Italy's Novella Calligaris. She's always been close and has won her share of medals in international competition. But this year, she finally went one step further and won the 800 free in an impressive world record performance of 8:52.973.

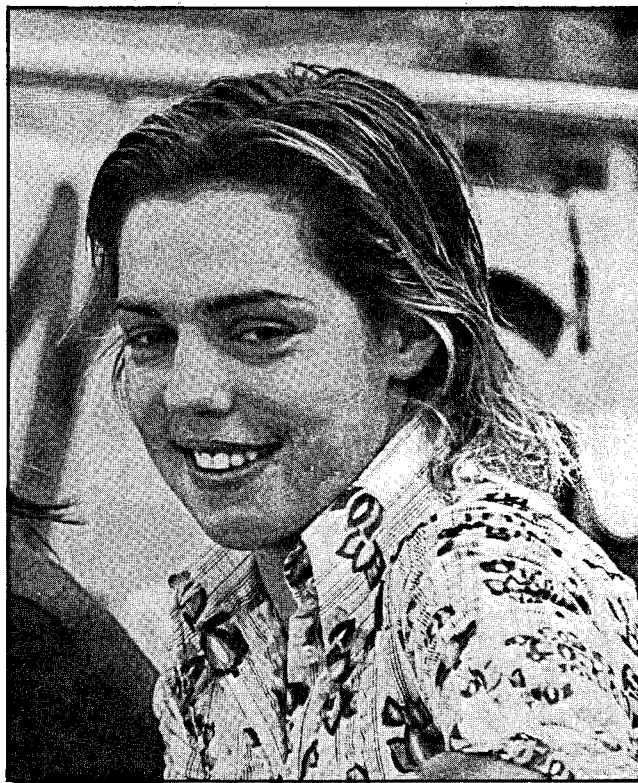
Novella came into the meet with the fourth best time of the season among the competition, 9:09.0. The United States' Jo Harshbarger was the first seeded swimmer with an 8:55.15, which she turned in enroute to her world record breaking performance in the 1500 at the U.S. Nationals two weeks earlier. Another top contender was the world record holder, Keena Rothhammer, who, going into the meet, had a 9:00.53 performance, which seeded her second.

The 800 was the only individual event for Harshbarger, and she had all week to think about it, as it was held on the final day of competition. Meanwhile, Calligaris was swimming very well with two bronze medals already under her belt in the 400 IM and 400 free. Rothhammer had won the 200, but was upset in the 400, and finished second.

The 800 included three time final heats, with the final heat swum in the evening. In the morning, East Germany's Angela Franke had an excellent time of 9:09.677, which was good enough for a fourth place finish after the final evening heat was held.

In the evening, the race turned out to be a two-girl race from the very start between Calligaris and Harshbarger. The Olympic gold medal winner Rothhammer just wasn't in it, and ended up in sixth overall with a slow 9:15.725. (However, it was reported that Keena had been sick since the middle of the week following her 200 victory, which could possibly account for her 800 time.)

Harshbarger was the early leader, making the first touch at the 100 in 1:04.19 and at the 200 in 2:10.91. But in the third leg, the Olympic bronze medalist from last year began her move and overtook Harshbarger at the 300. Calligaris had only been three



(Photo by Tony Duffy)

NOVELLA CALLIGARIS

tenths behind at the 100 and just one tenth behind at the 200, so she quickly passed Harshbarger in the third leg with a 1:06.7 split, compared to Harshbarger's 1:07.1.

From then on, Novella never surrendered her lead as she swam a fairly even-paced race, swimming 1:07's to Harshbarger's 1:07-plusses. She increased her lead at each successive 100 by narrow margins. The big question was whether Calligaris could break Rothhammer's world record.

In Rothhammer's world record swim of a year ago, she took it out much slower than Calligaris, but brought it home very strong, swimming 1:06-plusses. At the 500, Novella was ahead of the record pace by 3.4 seconds, and when the race was over, she held on to establish a new world mark by seven tenths.

Harshbarger, who finished sixth in last year's Olympics, swam a 8:55.560, which was a bit slower than her 800 on her way to her

1500 record swim.

The top eight finalists and their splits:

Novella Calligaris	ITA	1:04.484	2:11.040	3:17.729	4:24.715
		5:31.111	6:38.115	7:45.583	8:52.973*
Jo Harshbarger	USA	1:04.197	2:10.914	3:18.069	4:25.251
		5:32.668	6:40.307	7:48.236	8:55.560
Gudrun Wegner	GDR	1:04.618	2:11.592	3:19.654	4:28.253
		5:37.077	6:45.504	7:54.398	9:01.823
Angela Franke	GDR	1:05.047	2:14.033	3:22.862	4:32.371
		5:42.402	6:52.081	8:02.986	9:09.677
Narelle Moras	AUS	1:06.079	2:14.368	3:23.192	4:32.220
		5:40.838	6:50.090	7:59.643	9:09.936
Keena Rothhammer	USA	1:04.999	2:13.187	3:19.482	4:27.096
		5:38.408	6:51.234	8:03.825	9:15.725
E. Gunston	SWE	1:07.332	2:18.837	3:29.513	4:40.186
		5:50.966	7:02.053	8:12.514	9:22.129
Sandra Yost	AUS	1:05.507	2:14.056	3:23.320	4:33.503
		5:45.159	6:57.918	8:10.566	9:22.493

*World Record



ULRIKE RICHTER, MELISSA BELOTE

(Photo by Tony Duffy)

Backstroke

100	World Record:	1:05.39
	Ulrike Richter, EG, Aug. 17, 1973	
	1972 Olympic Champion:	1:05.78
	Melissa Belote, USA	

What the 100 back boiled down to was really a battle for second.

It didn't matter that the Olympic gold medal winner Melissa Belote was back to defend her title. Her stronger event is the 200 anyway. It didn't matter that five of last year's eight Olympic finalists had again made it to the finals of the World Championships.

What did matter was another East German girl named Ulrike Richter, who wasn't even around last year, but who certainly made everyone know she is the best backstroke sprinter in the world. All the other girls would have to be content to battle for second.

The tall and slender Richter came into the World Championships with a world record mark of 1:05.39 which she had done in the middle of August. That time alone bettered a record which had stood up for four years by Karen Muir.

But the big news for Richter came on the first day of the competition when she led off her East German 4 x 100 medley relay team by lowering the 100 back world record to an amazing 1:04.998, becoming the first girl to go under 1:05. As was the case with most of the East German girl world record setters, they made a shambles of the old standard. While everyone else was still struggling around with high 1:05's and low 1:06's, Richter calmly goes under 1:05.

So, even before the actual 100 back race started, Richter had the definite psychological advantage, and obviously, the best statistical advantage.

But the finals were very exciting with Hungary's Andrea Gyarmati pressuring Richter from the start, causing an early fast pace. However, Richter pulled away from the field and won her gold medal with a fine 1:05.427, a time still under Karen Muir's old world record.

On the way home, it looked as though Gyarmati would win the battle for second, but somehow, the United States' Melissa Belote and Canada's Wendy Cook both touched just ahead of Gyarmati in a blanket finish. Belote's time was a 1:06.112, with Cook finishing at 1:06.271 and Gyarmati at 1:06.549. Holland's Enith Brigitha wasn't too far off the pace either, finishing just one thousandth of a second behind Gyarmati.

Belote, who swims for the Solotar Swim Team in the United States, said after the race, "I thought I was far back at the 50. I

was worried a little. But I just thought what my coach Ed Solotar told me, 'On those last 10 meters of the race, you either get it or you don't.'" And Melissa got it to win a silver medal. "Since I came here, I trained especially for the 100 because I wanted to do well as I generally don't have that much speed. I perhaps let the 200 go just a bit so I could work harder on the 100."

Melissa came into the meet with a 1:05.72, which she swam at the Nationals, and she said that race felt very easy. So, when she saw Richter swim a 1:04.99, it really didn't bother her that much, as she thought she could and still can do a 1:04.5.

The morning prelims had 25 swimmers in four heats. Richter again led the way with a 1:06.086, followed by Gyarmati, 1:06.099, and Belote, 1:06.231. The eighth qualifier, Richter's teammate Christine Herbst, swam a 1:07.981.

The top five girls of the finals finished in exactly the same order as they were seeded.

The finalists:		
Ulrike Richter	GDR	1:05.427*
Melissa Belote	USA	1:06.112
Wendy Cook	CAN	1:06.271
Andrea Gyarmati	HUN	1:06.549
Enith Brigitha	HOL	1:06.550
Christine Herbst	GDR	1:07.465
Linda Stimpson	USA	1:07.698
Josien Elzerman	HOL	1:07.900

*World Record

200	World Record:	2:19.19
	Melissa Belote, Solotar ST, Sept. 4, 1972	
	1972 Olympic Champion:	2:19.19
	Melissa Belote, USA	

Just as Ulrike Richter was the odds-on favorite in the 100 back, so was world record holder Melissa Belote in the 200. But when it was over, Melissa knew she had just finished a very tough race.

"I was really tired," Melissa said afterwards. "It's the most I've ever been tired." Tired or not, she still won with a fine 2:20.522, but not before Hungary's Andrea Gyarmati put in a strong challenge. And although it was Gyarmati who was the one to pressure Belote, she only managed a bronze medal as Holland's Enith Brigitha squeaked in for second at 2:22.152. Gyarmati's time was 2:22.483.

Gyarmati was out first in a fast 1:06.823, just three tenths slower than her final time in the 100 back. Melissa touched second at 1:07.340.

"I felt the pressure from Gyarmati," Melissa said. "I knew she was out first. I usually have a tendency to let up on my third leg, but I felt I got the lead at about 10 meters out of the final turn." And from there, she held on to become the only girl to defend a

title from last year's Olympics.

Two days before the race, Melissa, who will turn 17 this October, said she felt she could go 2:17 ("which means 2:18"), but it looked as though Gyarmati forced Melissa to swim Gyarmati's race, as Belote soon became worried and had to play catch-up.

In the morning, Belote easily led a field of 24 swimmers in four heats with a 2:20.576. "In the morning, I swam as if I didn't have a care in the world, and it felt very easy," Melissa said.

The next closest qualifier was Wendy Cook of Canada with a

2:23.123. The final qualifier had a 2:25.513.

The finalists and their splits:

Melissa Belote	USA	1:07.340	2:20.522
Enith Brigitha	HOL	1:08.135	2:22.152
Andrea Gyarmati	HUN	1:06.823	2:22.483
Christine Herbst	GDR	1:09.195	2:22.660
Andrea Eife	GDR	1:09.432	2:23.551
Wendy Cook	CAN	1:08.002	2:23.596
Debbie Cain	AUS	1:10.108	2:24.268
Sylvie Lenoach	FRA	1:10.864	2:26.053

Breaststroke



LYNN COLELLA, RENATE VOGEL

100

World Record:	1:13.58
Cathy Carr, USA, Sept. 2, 1972	
1972 Olympic Champion:	1:13.58
Cathy Carr, USA	

The United States' Cathy Carr wasn't around to defend her 100 breast title which she won at the Olympics last year in world record time. Instead, she elected to compete in the World University Games in Moscow.

And Cathy's decision was probably the wiser, as East Germany's Renate Vogel dominated the breaststroke events. Although she didn't break Cathy's world mark of last year, she easily beat the 100 field by almost two seconds with a 1:13.748 clocking, just two tenths off the record.

The nearest two competitors were Russia's Lubov Rusanova and Vogel's teammate Brigitte Schuchardt in 1:15.428 and 1:15.821.

Vogel had come into the meet seeded No. 1 with a 1:13.79, ahead of Rusanova and American Marcia Morey. In the morning heats, which saw 24 competitors in three heats, Vogel showed she would be the girl to beat as she qualified first with a 1:14.600, which was a good two seconds ahead of the second qualifier, Lynn Colella at 1:16.670. A 1:17.995 was the eighth qualifier's time.

In the finals, Vogel never looked back and won going away. Rusanova finished as she was seeded, but Morey was a disappointing eighth.

Last year at the Olympics, Renate made it into the semi-finals, and was the tenth qualifier. Her time last year was 1:16.87.

The finalists:

Renate Vogel	GDR	1:13.748
Lubov Rusanova	URS	1:15.428
Brigitte Schuchardt	GDR	1:15.821
Christine Jarvis	GBR	1:16.358
Lynn Colella	USA	1:16.758
Britt-Marie Smedh	SWE	1:16.790
Petra Nowis	GER	1:16.931
Marcia Morey	USA	1:17.049

200

World Record:	2:38.5
Catie Ball, Jacksonville Jets, Aug. 26, 1968	
1972 Olympic Champion:	2:41.71
Beverly Whitfield, AUS	

While all of the other East German girls were busy setting world records, Renate Vogel was busy becoming the only girl besides teammate Kornelia Ender to win two individual events.

OCTOBER, 1973

But the 200 wasn't quite as easy as her 100 victory. This time, she was given stiff competition from teammate Hannelore Anke.

Anke was actually the No. 1-seeded swimmer for the 200. Before the meet, Vogel really wasn't in the picture, as she only came in with the sixth best time among the competitors at 2:43.28. Anke had a 2:40.28.

And in the morning prelims, Anke performed true to form by qualifying first with a 2:41.846, just ahead of Lynn Colella at 2:42.434. Vogel managed to qualify third at 2:44.052. Four heats were held in the morning with 25 competitors.

Perhaps the biggest surprise in the morning prelims was the inability of Olympic gold medalist Beverly Whitfield of Australia to make it into the finals. Her time was 2:46.960, and it took a 2:46.076 to make the finals. Beverly was the ninth qualifier, having come into the meet as the fifth seeded swimmer.

In the finals, Anke was the first to make some noise, as she set a blistering pace for the first 100 with a 1:15.567. That time alone would have placed her third in the 100 breast finals. Vogel touched second at the 100 with a 1:16.109 split, which would have been good for a fourth place finish in the 100 breast finals.

Vogel passed Anke on the way home with a 1:23.9 second 100 to Anke's 1:24.9. What resulted was a narrow margin of victory for Vogel, 2:40.012 to 2:40.495.

Lynn Colella placed third with a 2:41.710, which was a bit slower than the time which seeded her No. 2. She went out much slower than the two East Germans, 1:19.364, but brought it home faster in 1:22.4 for a final time of 2:41.710.

After the race, Colella explained, "I felt good until I jumped into the pool. I swam my kind of race, but I got behind and just couldn't catch up. I had wanted to break 40 (2:40). I would have been satisfied with a fifth place if I did that time."

In last year's Olympics, neither Vogel nor Colella swam the event, while Anke swam a 2:45.92 and did not make the finals. In fact, from last year, only three of the finalists were in this year's finals.

The finalists and their splits:

Renate Vogel	GDR	1:16.109	2:40.012
Hannelore Anke	GDR	1:15.567	2:40.495
Lynn Colella	USA	1:19.364	2:41.710
Liudmila Porubaiko	URS	1:18.470	2:42.218
Britt-Marie Smedh	SWE	1:20.465	2:43.160
Petra Nowis	GER	1:20.487	2:44.698
A. TeRiet	HOL	1:19.545	2:44.893
Eva Kiss	HUN	1:19.903	2:45.509



(Photo by Tony Duffy)

RUSSIAN BREASTSTROKERS — LUDA POUZUBAJKO, OLGA LUSKATOVA, LUBA RUSSANOVA.



(Photo by Tony Duffy)

Butterfly

KORNELIA ENDER

100	World Record:	1:02.31
	Kornelia Ender, EG, July, 1973	
	1972 Olympic Champion:	1:03.34
	Mayumi Aoki, Japan	

There were 30 competitors in four heats with 1:05.97 required to reach the finals. Kornelia Ender, the world record holder had a rather poor heat swim in which she missed her turn and had a very poor finishing touch. In spite of all that, she still qualified fourth with 1:04.13, touching out Peggy Tosdal of the USA, 1:04.33. Both of the East Germans and Americans, Mayumi Aoki of Japan, the former world record holder and Olympic Champion, a West German, an Italian and a Swede made the finals.

The final race was strictly a two-girl race between the East Germans. That was not an unusual pattern in many events, as the East Germans have taken over as the masters of this stroke as well as a few other events.

Ender led at the 25 with 12.3 and kept the lead throughout the race, splitting 28.8 at the 50, 45.0 at the 75 and finally 1:02.53. Close behind, swimming half a stroke behind for most of the race was Rosemarie Kother who finished with 1:02.68. Aoki was third, in only her second major swim of the year with 1:03.73.

The American girls finished fourth and fifth, with Deena Deardurff doing 1:04.27 (she had a 1:03.85 coming into the meet) and Tosdal doing 1:04.37. They just couldn't match the East Germans for speed on the first length or were not in good enough shape to come back better on the second 50.

The East German girls are notable for the fact that they both swim with rather poor strokes, but they have great speed, able to gain almost two seconds on most of the field at the 50. Their second 50 is not all that good and considerable improvement can be expected in their already very good times when they pace the race a little better and improve their conditioning.

The finalists:		
Kornelia Ender	GDR	1:02.53
Rosemarie Kother	GDR	1:02.68
Mayumi Aoki	JAP	1:03.73
Deena Deardurff	USA	1:04.27
Peggy Tosdal	USA	1:04.32
Gudrun Beckmann	GER	1:04.93
Donatella Talpo	ITA	1:06.35
Gunilla Andersson	SWE	1:06.38

200	World Record:	2:15.57
	Karen Moe, Santa Clara, Sept. 4, 1972	
	1972 Olympic Champion:	2:15.57
	Karen Moe, USA	

A new world record was set in the heats as Rosemarie Kother, swimming a rather fearless swim, splitting 1:04.59, posted a 2:15.45. She didn't linger long after the swim, as obviously she was thinking of even better things for the finals.

It took 2:24.59 to reach the finals, with two East Germans, two Americans, two Dutch girls, one West German and an Australian comprising the finals.

Kother swam one of the most recklessly paced races ever and still bettered a world record. She virtually attacked the water with a fantastic turnover of her arms, breathing on every second pull. Her splits were 29.3, 1:03.26, 1:37.4 and 2:13.76 (29.3, 33.9, 34.2 and 36.3). At the 100, she had a full second lead over her teammate Roswitha Beier who split 1:04.46 with the rest of the field more than three seconds behind. Obviously, the fantastic pace had completely intimidated the rest of the field. Just

imagine that nobody else in the world (except teammate Kornelia Ender) is able to swim a 100 fly as fast as Kother was able to split on the way to a 200. The time is almost a two second improvement of the record, but once again a better-paced race should reduce the time much more.

The finalists and the old world record splits by Karen Moe last year:

Rosemarie Kother, EGE	29.3	1:03.26	1:37.4	2:13.76
Roswitha Beier, EGE		1:04.46		2:16.77
Lynn Colella, USA		1:06.71		2:19.53
Jose Damen, HOL		1:07.73		2:21.96
Sandra Yost, AUSTRALIA		1:09.16		2:22.32
Nina Macinnis, USA		1:08.13		2:22.57
Uta Schuetz, WGE		1:07.64		2:23.50
Yolanda Aggenbach, HOL		1:10.14		2:25.68
Karen Moe, USA, 1972 (Former World Record Holder)	31.49	1:06.22	1:40.92	2:15.57

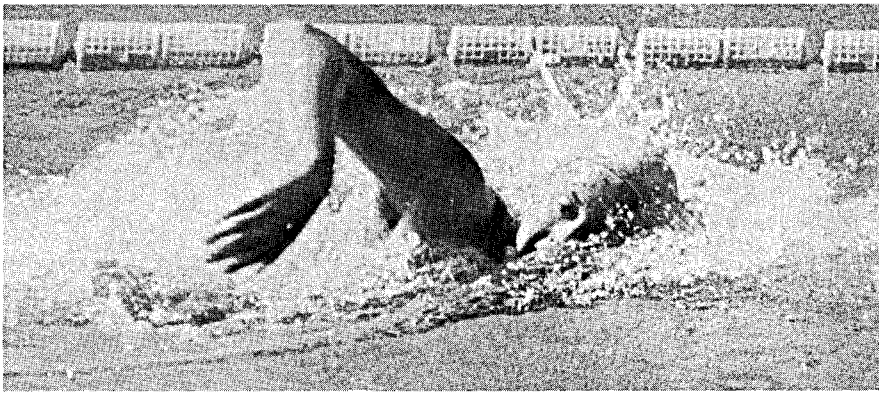
One of the obvious advantages of being able to pace a race like this is that you pretty well intimidate the rest of the field and make them swim your race. They are left so far behind that they panic and swim faster than they should or just plain give up.

Kother was fourth in the Olympics last year with 2:17.11. She is 17, and swims for the Berlin Dynamo SC. Since last year, she increased her height by about three inches and her weight by 30 pounds. Her current height is 5-8 and she weighs 144.

Lynn Colella of the USA, who was a silver medalist a year ago with 2:16.34, felt that the fast pace upset her race plan and she will have to think a lot about what to do for next season to try to get back in the race. More work is not the answer, but possibly higher quality with greater speed will be essential.



ROSEMARIE KOTHER



ANDREA HUEBNER

Individual Medley

200 World Record: 2:23.01
Kornelia Ender, EG, July, 1973
1972 Olympic Champion: 2:23.07
Shane Gould, AUS

There were 30 entries in this event with all the leading contenders moving in to the finals. It took 2:29.57 to reach the finals, with the two East German girls leading all the qualifiers.

The finals developed as strictly a two girl race, with the two aces from East Germany battling it out. Kornelia Ender took the early lead through the first two legs — 29.8 on the fly and a 1:06.20 at the 100 — with Andrea Huebner taking the lead after the breast leg in which she split 39.7 to finish with about a body length lead with 2:20.51. Huebner's 100 was 1:07.04. Ender tried vainly to catch up in the free leg and gained some ground, but her inferior breast leg cost her the race. She still finished with her best ever time of 2:21.21. Both girls were under Kornelia's world record of 2:23.01.

Kathy Heddy, the American champion, was far behind most of the race but on her final free leg, she finished with a great burst and got a third with her best ever time of 2:23.84.

Thus, the top three girls all improved on their earlier times by wide margins. Huebner's best prior to the meet was a 2:26.6, and Heddy had a 2:25.41.

Heddy's time, as good as it was, is still not better than Claudia Kolb's five-year U.S. record of 2:23.5. That could account for the temporary weakness of the United States in an event which for almost 30 years was an American specialty. The United States started this event in the late 1920's and it wasn't until 1966 that it was recognized by FINA.

Italy's Novella Calligaris finished fourth with 2:24.07, a three second drop for her, and it was to be a good indication of her later success in the longer events, more her specialty.



GUDRUN WEGNER

The second American entry, Julie Woodcock, finished fifth with 2:25.72, her best ever.

The finalists:

Andrea Huebner	GDR	2:20.51
Kornelia Ender	GDR	2:21.21
Kathy Heddy	USA	2:23.84
Novella Calligaris	ITA	2:24.07
Julie Woodcock	USA	2:25.72
Leslie Cliff	CAN	2:26.26
Yukari Takemoto	JAP	2:26.47
Debbie Cain	AUS	2:26.63

400 World Record: 5:01.1
Angela Franke, GDR, Aug., 1973
1972 Olympic Champion: 5:02.97
Gail Neall, AUS

This event proved that the East Germans could handle the distance events. And how!

The old world record was set by Australia's Gail Neall in winning the Olympics with a time of 5:02.97. In late August, in winning the Europe Cup, Angela Franke, a 15-year-old from Magdeburg, bettered this time with a 5:01.1.

Four heats were held, with Susan Hunter of New Zealand winning heat one with 5:08.36, closely followed by Leslie Cliff, CAN, 5:10.09. Heat two saw one of the two East German girls in action, with Gudrun Wegner, 18, from Dresden, posting the fastest qualifying time of 5:04.03. The USA's Terry Potts was in this heat, placing second with 5:09.03. Heat three was won by Novella Calligaris, Italy, with 5:05.46, and heat four by Angela Franke, East Germany, with 5:05.89, with Jenny Bartz of the United States second in 5:10.75. The last qualifier was Jose Damen of Holland with 5:12.17. Failing to reach the finals was the Olympic champion and former world record holder, Gail Neall, who could only swim 5:17.96.

The final developed as essentially a front-running swim by Gudrun Wegner, with Angela Franke and Novella Calligaris close behind, with the rest of the field far back.

Wegner showed no weakness and her splits were 1:06.6 for fly, 1:17.4 for back, 1:27.3 in breast and 1:06.2 in the free, for a final time of 4:57.51, a new world record, and the first woman to better five minutes.

Angela Franke, the former record holder, trailed the winner all the way, making a small gain in the breast leg, but unable to gain significantly on Wegner. Her individual legs were 1:08.0 in the fly, 1:17.6 in back, 1:26.9 in breast and a 1:07.9 for free for a final time of 5:00.37.

Novella Calligaris of Italy, who placed third in this event at Munich, retained her third place with her best ever time of 5:02.02, an almost two second drop from 1972. Her individual strokes were 1:08.2 for fly, 1:17.4 for back, 1:30.2 for breast and a strong 1:06.2 in free.

A comparison of former and new world record swims:

Gail Neall, 1972 Munich	1:08.64	2:25.33	3:55.51	5:02.97
Angela Franke, Aug. 73	1:07.0	2:25.0	3:55.0	5:01.1
Gudrun Wegner, Sept. 73	1:06.65	2:23.98	3:51.34	4:57.51

Other finalists:

Angela Franke, EGE	1:07.97	2:25.64	3:52.55	5:00.37
Novella Calligaris, ITA	1:08.16	2:25.62	3:55.84	5:02.02
Leslie Cliff, CAN	1:10.38	2:29.61	3:59.14	5:07.01
Terry Potts, USA	1:10.49	2:31.24	4:01.17	5:09.90
Susan Hunter, NZE	1:10.96	2:26.41	4:00.10	5:10.28
Jenny Bartz, USA	1:09.84	2:31.02	4:00.87	5:10.41
Jose Damen, HOL	1:10.78	2:31.70	4:06.06	5:15.66



(Photo by Tony Duffy)

Relays

GDR MEDLEY RELAY — ENDER, KOTHER, VOGEL, RICHTER.

400 MR

World Record:	4:20.75
U.S. Olympic Team, Sept. 3, 1972	
1972 Olympic Champion:	4:20.75
U.S. Olympic Team	

If such a thing as perfection in swimming is possible, it was in this event that it happened.

This relay was the final event of the first day's competition and it would set the tone of the whole meet. For many, it was the finest display of East Germany's new swimming approach, and the greatest ever relay swim, bar none.

Prior to the finals, there had been considerable speculation if the U.S. girls could hold off the East Germans without the help of Cathy Carr, the top American breaststroker (who competed at the World Student Games). As it turned out, all the speculation was purely academic, as the quartet of Ulrike Richter, Renate Vogel, Rosemarie Kother and Kornelia Ender demolished all opposition and put together a relay that will live in the memories of all who saw it as one of the great swimming displays of all time.

Each of the East German girls swam a time which was under the world record for their specialty, even allowing for a relay take-off.

Ulrike Richter started things with a 1:04.99 backstroke leg, which was a world record. She was followed by Renate Vogel whose breast split was 1:12.93. Rosemarie Kother in the fly leg did an even more amazing 1:01.71 with Kornelia Ender anchoring with a 57.23 for an overall time of 4:16.84, an almost four second drop on the listed world record.

Their lead over the American girls gradually extended, and was finally about ten meters. In fact the last two legs, Deardurff and Babashoff, seemingly swam listlessly, being so far behind, and just barely preserved second place, as the West German team finished less than a second behind.

It was the worst defeat for an American team in a relay in memory. Not even Cathy Carr would have made much difference. It was to be a foretaste of things to come for the rest of the week.

A comparison of the 1972 results with the ones in 1973:

	1972 U. S. Olympic team	
Melissa Belote		1:06.24
Cathy Carr		1:13.99
Deena Deardurff		1:02.61
Sandy Neilson		57.90
		4:20.75
	1973 East Germans	
Ulrike Richter		1:04.99 WR
Renate Vogel		1:12.93
Rosemarie Kother		1:01.71
Kornelia Ender		57.23
		4:16.84 WR

The U.S. team split as follows:

Melissa Belote	1:05.94
Marcia Morey	1:16.41
Deena Deardurff	1:03.52
Shirley Babashoff	59.93
	4:25.80

For the East Germans who finished second at Munich last year with 4:24.91, it was an eight second improvement.

There has never been such a relay before.

West Germany, in finishing third, retained their number three position earned at Munich with a time one-tenth slower. Holland was fourth with their best ever time, 4:28.86, with Canada fifth, also with their best ever time.

Some of the better legs on these teams were turned in by

Holland's Enith Brigitha with a 1:06.13 back leg and Canada's Wendy Cook with a 1:06.49 for the same stroke.

Other finalists included:

WGE	A. Griesser	P. Nows	G. Beckman	J. Weder
	1:08.29	2:24.62	3:27.847	4:26.57
HOL	E. Brigitha	A. TeRiet	A. Segaar	V. Stel
	1:06.13	2:23.52	3:28.86	4:28.86
CAN	W. Cook	M. Stuart	P. Stenhouse	G. Amundrud
	1:06.49	2:23.35	3:30.02	4:29.60
SWE	D. Olsson	D. Smedh	G. Andersson	E. Andersson
	1:07.78	2:24.29	3:29.94	4:30.59
USSR	I. Golovanova	L. Rusanova	A. Meerson	L. Kodsova
	1:11.67	2:27.22	3:33.19	4:33.38
AUS	L. Young	B. Whitfield	D. Cain	S. Anderson
	1:08.25	2:26.03	3:32.28	4:34.45

400 FR

World Record:	3:55.19
U.S. Olympic Team, Aug. 30, 1972	
1972 Olympic Champion:	3:55.19
U.S. Olympic Team	

There were two heats in this event with 15 teams trying for the eight final places.

East Germany had the best time in the heats with Andrea Huebner, 59.60; Elke Sehmisch, 59.7; Angela Franke, 58.9; and Sylvia Eichner, 58.3 for a total time of 3:56.55. The United States, swimming in the same heat, placed second with a team of Keena Rothhammer, 1:00.24; Deena Deardurff, 1:00.1; Heather Greenwood, 58.6; and Kim Peyton, 58.6 for a time of 3:57.56. Sweden, Italy, Canada, West Germany, Holland and France reached the finals. Australia, always a strong freestyle power, failed in their bid as their team only swam 4:08.71, and 4:07.43 was required to make the finals.

There was no doubt in anyone's mind that the powerful East Germans would win the event. The only question was by how much would they better the existing record.

The final team was comprised of Ender, Eife, Huebner and Eichner, with two girls being replaced from the heats.

The whole race was decided quickly as Kornelia Ender in her lead-off swim bettered her own listed world mark for the 100 with an almost unbelievable 57.61, splitting 27.1 at the 50. Andrea Eife took over with a leg of 59.0. Andrea Huebner had another incredible leg with a 57.4 and Sylvia Eichner anchored with 58.4 for a final time of 3:52.45 and a world record.

The USA quartet was only four-tenths slower than they were at Munich but were never in the race.

The old record splits: USA in 1972 — Sandy Neilson, 58.98; Jenny Kemp, 58.99; Jane Barkman, 59.03; and Shirley Babashoff, 58.18.

The finalists:

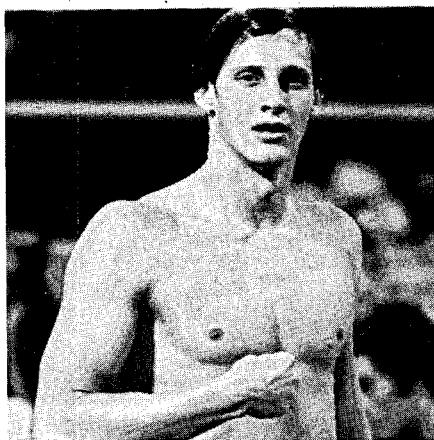
EGE	Kornelia Ender	Andrea Eife	Andrea Huebner	Sylvia Eichner
	57.61*	1:56.67	2:54.02	3:52.45*
USA	K. Peyton	K. Heddy	H. Greenwood	S. Babashoff
	59.07	1:58.35	2:56.41	3:55.52
WGE	J. Weber	H. Reineck	G. Beckman	A. Steinbach
	59.45	1:59.48	2:58.92	3:58.88
CAN	G. Amundrud	J. Wright	W. Cook	L. Cliff
	59.88	2:00.17	3:00.34	4:00.20
SWE	G. Lundberg	L. Isaksson	I. Johansson	D. Olsson
	1:01.21	2:02.70	3:02.87	4:02.01
HOL	E. Brigitha	E. Segaar	L. Faber	V. Stel
	59.47	2:01.06	3:01.87	4:02.16
ITA	L. Podesta	L. Gorgierino	P. Lanfredini	F. Stabellini
	1:01.36	2:02.65	3:04.00	4:06.59
FRA	G. Berger	C. Schertz	J. Pele	C. Kniebhly
	1:00.31	2:02.52	3:05.39	4:08.25

*World Record



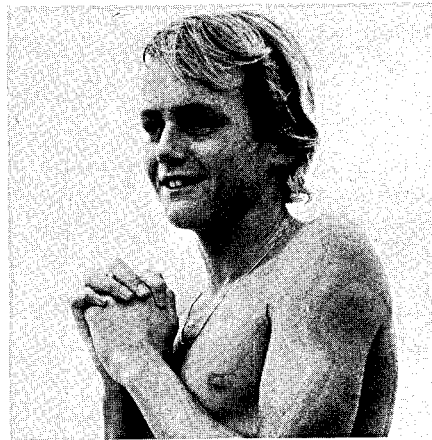
Men's Events

By BOB INGRAM and NICK THIERRY



JIM MONTGOMERY

(Photo by Tony Duffy)



STEPHEN HOLLAND

(Photo by Tony Duffy)

Freestyle

100

World Record: 51.22
Mark Spitz, Arden Hills, Sept. 3, 1972
1972 Olympic Champion: 51.22
Mark Spitz, USA

Michael Wenden	AUS	52.222
Vladimir Bure	URS	52.522
John Murphy	USA	52.732
Klaus Steinbach	GER	52.820
Roger Pyttel	GDR	53.253
Ruy Aquino Oliveira	BRA	53.701

World Record: 1:52.78
Mark Spitz, Arden Hills, Aug. 29, 1972
1972 Olympic Champion: 1:52.78
Mark Spitz, USA

200

By the time the 100 free came around on the final day of competition, the people were buzzing about the United States' Jim Montgomery, who had come from nowhere the year before to challenge for an impressive five gold medals. Already, there were comparisons between Jim and last year's seven gold medal winner Mark Spitz.

The lanky Montgomery was flattered by the comparisons but he modestly shrugged them off. But he certainly didn't shrug off the 100 free, as he won his fourth gold medal in convincing fashion which set him up for his eventual fifth gold medal later in the evening in the 4 x 200 m. freestyle relay.

The top gold medal winner of the meet won in his best ever time of 51.708, five-tenths off of Spitz' world standard. And the incoming freshman at Indiana University will certainly have a bright career ahead of him as he nears Spitz' marks in both the 100 and 200 free.

Jim, 18, 6-5 and 190, led from the very start, including the morning prelims, against a respectable sprint field of Australian veteran Mike Wenden, France's Michel Rousseau who had the second fastest time going into the meet, and Russian sprinter, Vladimir Bure, who would have to be considered the early favorite as the Olympic bronze medal winner came in with the best time of the year at 51.79 and just had a 2nd place performance at the World University Games held a couple weeks before in Moscow. The field was somewhat weakened with the absence of top sprinters Ken Knox and Mark Elliott, both of the United States, who had earlier chosen to compete in Moscow rather than try for a spot on the World Championships team.

In the morning prelims, Montgomery, who was seeded No. 3 with a 52.51 performance, led the eight qualifiers among the 36 competitors by winning the third of six heats with a 52.660. The eighth qualifier had a 53.675.

"In the finals, I planned to go out with Bure," said Montgomery after he had already captured the gold. "I knew if I stuck with him, I would be in good shape to win, because he goes out very fast, and I can come home pretty well." Montgomery's plan went well, but Bure dropped to a disappointing fourth, 52.522, behind Rousseau, 52.086, and Wenden, 52.222.

John Murphy, the other American, who finished fourth last year in the Olympics behind Bure, still finished behind Bure with a slower 52.732, good for fifth place.

Jim commented, "This was the hardest swim I had. I was really worried. I was getting tired of having the race come down to the last touch." But when asked what race he prefers, he said the 100. Why? "It's shorter."

The finalists:		USA	51.708
Jim Montgomery		FRA	52.086
Michel Rousseau			

morning swim of 1:54.582 led the qualifiers while Sweden's Berndt Zarnowiecki, one of the top swimmers at the Maccabiah Games, was the eighth qualifier at 1:57.509.

The finalists:

Jim Montgomery, USA	54.81	1:53.027
Kurt Krumpholz, USA	55.54	1:53.617
Roger Pyttel, GDR	55.76	1:53.975
Steven Badger, AUS		1:55.669
Brian Brinkley, GBR		1:56.424
Vladimir Bure, URS		1:56.452
Berndt Zarnowiecki, SWE		1:56.588
Peter Nocke, GER		1:58.973

World Record:	4:00.11
Kurt Krumpholz, Santa Clara, Aug. 4, 1972	
1972 Olympic Champion:	4:00.27
Brad Cooper, AUS	

400

One of the most eagerly awaited events had to be the 400 free, especially, as it turned into a virtual rematch of the final of last year's Olympics, with Rick DeMont and Brad Cooper getting another crack at each other.

The heats produced nothing spectacular, with 4:09.32 required to reach the finals with two Americans, two Australians, two Germans and two Swedes making it.

The big race saw Australia's John Kulasalu take the early lead at the 100 with a 58.30, with Lampe of WGE second, 58.99 and Cooper third, 59.00. DeMont was fifth.

At the 200, Cooper moved into the lead and had the only sub-two minute split with 1:59.52 with DeMont now in second place at 2:00.13. At the 250, the race was Cooper, DeMont and Tim Shaw. By the 300, Sweden's Bengt Gingsjoe had moved into third and Cooper still held a slight edge on DeMont.

With about 75 meters to go, DeMont moved in front and looked an easy winner only to have Cooper put on a great finish on the final 30 meters, making DeMont reach for the superhuman effort to stay out in front. He won the race with inches to spare and the four minute barrier was broken for the first time with two swimmers doing it. The finish was almost identical to last year's Olympic final except the time was faster and DeMont had a slightly bigger margin of victory.

DeMont, who is known to swim only as fast as he has to, would have not likely broken four minutes had Cooper not put on a fantastic final burst of speed.

The old and the new world record swims:

Krumpholz, 1972	58.69	1:59.59	3:00.23	4:00.11
DeMont, 1973	59.47	2:00.13	3:00.00	3:58.18



RICK DEMONT, BRAD COOPER

It was a great swim for both Cooper and DeMont, with the latter giving one of his great displays of controlled swimming and splitting with the second half much faster than the first. Rick was in total control all the way, and as predicted by his coach Don Swartz, the sub-four minute 400 was done with a 2 minute 200.

Cooper made the race as interesting as it was, and he forced DeMont to swim his last 100 as fast as he did. So credit has to be given to him at least in part for making the sub-four minute swim a reality.

Sweden's Gingsjoe, in finishing third with 4:01.27, bettered the European record.

The finalists and their splits:

Rick DeMont	USA	59.47	2:00.13	3:00.00	3:58.18*
Brad Cooper	AUS	59.00	1:59.52	2:59.85	3:58.70
Bengt Gingsjoe	SWE	59.65	2:00.31	3:01.47	4:01.27
Tim Shaw	USA	58.99	2:01.10	3:01.66	4:01.56
Anders Bellbring	SWE	1:00.67	2:02.43	3:04.01	4:04.36
Andreas Apel	EGE	59.82	2:01.41	3:03.06	4:04.92
Werner Lampe	WGE	58.99	2:01.85	3:05.67	4:09.83
John Kulasalu	AUS	58.30	2:01.76	3:07.95	4:14.62

*World Record
Australia's John Kulasalu, who finished eighth, had a 4:02.7 coming into the meet and was the early leader, but faded badly after the first 100. He could be a factor in years to come as this was his first international experience.

World Record:	15:37.8
Stephen Holland, AUS, Aug., 1973	
1500 1972 Olympic Champion:	15:52.58
Mike Burton, USA	

Some hours before the start of the 1500, Stephen Holland's coach Laurie Lawrence said, "There won't be a race," and he turned out to be right in his statement. What really developed was a chase.

It was to be one of the classic confrontations between two opposite approaches to distance swimming — the controlled, slow stroking, six-beat kick American approach, as against the two-beat and high turnover Australian approach.

For Holland, it was his only race of the meet, as the event was held in seeded heats based on the entry time. It was a tough task ahead for a 15-year-old swimming in the finals after most of the meet had already taken place. It was also tough since he had to swim a former record holder in this event and one who had bettered four minutes for the 400 free, in which he could only do about 4:06.

DeMont appeared to be trapped into Holland's race plan and it was to cost him the gold and the record. Holland, using his only weapon against DeMont, did what he does best — swim hard. He forced the pace to such a degree that DeMont would either fall so far behind that he could never catch up or swim much too fast in the early going, to bring his vaunted talent for a faster second half.

Holland did not lead for the first 300 as teammate Brad Cooper had a slight edge until that point, but at the 350, Stephen moved out in front, and gained about five seconds on DeMont. That pretty well remained the margin throughout the rest of the race. Cooper, second until about 950, faded out of the race at that point and swam to a solid third place, posting the third all time best time. No doubt his early killer pace also contributed to DeMont's downfall.

The 800 was a new world record for Holland, bettering his month old time by over a second. DeMont's time was an American record.

One thing which was disturbing to all the knowledgeable observers was the complete silence by all the spectators. This no doubt, was caused by the announcer keeping everyone ignorant of the fantastic pace that Holland was swimming, and that a new record was certain after the 400. It took several minutes until the announcer realized that the 800 split bettered the old record, and by the time it was announced the race was almost over.

At the end of the race, everyone knew it was over except the swimmers! It seems FINA decided to implement a new system for warning the swimmer that there were two laps to go. It consisted of a rather hard-to-hear low-pitched horn. Naturally, the crowd, realizing that a new record was about to be set, started to yell and scream on the last few lengths, and Holland and DeMont failed to hear anything, and so Holland just kept swimming, actually covering over an extra 100 meters. One got the impression that he was never going to let DeMont catch him no matter how long he had to swim. It was one of the supreme exhibitions of the 'will-to-win' ever seen in swimming.

At 15, Holland should have a fantastic future ahead of him. DeMont, at 17, is still not in his prime either, and probably several future confrontations will be needed to settle which approach to swimming will prevail.

In finishing fifth, Sweden's Bengt Gingsjoe bettered his European record of last year by ten seconds, setting a continental best along the way in the 800.

The splits of the top five finishers:

S. Holland, AUS	R. DeMont, USA	B. Cooper, AUS	J. Kinsella, USA	B. Gingsjoe, SWE
1:02.18	1:02.42	1:01.60	1:01.19	1:02.53
2:04.66	2:05.77	2:04.01	2:05.12	2:05.45
3:06.58	3:09.04	3:06.13	3:08.68	3:10.01
4:08.49	4:11.78	4:08.36	4:12.45	4:14.68
5:10.41	5:14.36	5:10.75	5:16.17	5:19.38
6:12.15	6:16.86	6:13.63	6:19.84	6:23.91
7:14.08	7:19.32	7:16.69	7:24.01	7:28.60
8:16.27*	8:21.18	8:19.79	8:27.99	8:32.82
9:17.86	9:23.72	9:23.56	9:32.62	9:36.99
10:19.94	10:25.32	10:27.02	10:36.90	10:41.36
11:22.00	11:27.26	11:30.35	11:40.81	11:46.07
12:24.43	12:29.19	12:33.73	12:44.80	12:51.10
13:26.82	13:31.30	13:36.84	13:49.47	13:56.65
14:29.06	14:33.09	14:40.40	14:54.24	15:02.55
15:31.85*	15:35.44	15:45.04	15:58.70	16:06.01

*World Record

A day after the race, Holland said, "I really feel tired and very

sore. I just want to go home to Australia." He added, "I try to go out hard after the first 100 and maintain 1:01's throughout. At the 700, I began to feel the pressure and I started to hurt. I could see Rick close behind chasing me, so I tried to go faster."

Commenting about his failure to hear the warning signal for two laps remaining, he said, "The horn is not loud enough. Obviously if I had heard it, I wouldn't have swum that extra 100. I thought the race was over, but not having heard anything, I had to keep going. They should have something much louder like a gun."

Some weeks before the race, a physiological test was done on Holland, and it showed that his lung capacity and ability for very high endurance were unprecedented. His coach, Laurie Lawrence, held the results back from him until the morning of the race. When asked about the effect this had on him, Stephen replied, "The test showed that I was a very outstanding athlete, and that I had nobody to fear at this meet. Actually, all it did was make me even more nervous." I guess you can put that one down as psychological warfare. The test did rate Holland almost as high at 15 as the best ever rated athlete tested, a marathon runner.

FINA made the correct decision to swim this event as a time final, as all the eight top swimmers were correctly seeded in the fourth and final heat.



(Photo by Tony Duffy)

Backstroke

ROLAND MATTHES

100	World Record:	56.30
	Roland Matthes, EG, Apr. 18, 1972	
100	1972 Olympic Champion:	56.58
	Roland Matthes, EG	

Mike Stamm simply refers to him as "the Mark Spitz of backstroke."

But what Roland Matthes has done to the men's backstroke is probably even more impressive than the feats of Spitz. He simply dominates the event, as he hasn't lost a backstroke event since 1967, the year he first set world records in the two dorsal events.

Mike Stamm, who just turned 21 a month before the Championships, has had plenty of head-to-head chances to beat the East German star, but the best he can do is play bridesmaid. The Indiana University senior had still another chance in this, his only individual event of the six-day meet. But it was the same old story with Matthes beating Stamm, 57.477 to 58.770, both almost a second slower than their one-two performances last year at the Olympics.

Perhaps the problem for Stamm and other backstrokers is that Matthes, six years ago, was swimming as fast as his competition is swimming now. When watching Matthes, you realize he can go just as fast as he needs to win.

In the morning prelims, which saw 29 competitors in four heats, Matthes was the easy No. 1 qualifier with a 58.694 — the only one to go under 59 seconds. The No. 2 seed, Stamm, qualified second in 59.101. John Naber, USA, actually had the second fastest time in the event going into the Championships, but he did not compete in the 100, as he had been disqualified at the U.S. Nationals after an apparent victory, thus losing out to Stamm and John Murphy.

It took a 1:00.430 to make the finals, as six of the eight finalists were under a minute, both in the prelims and finals.

It is interesting to note that the top six swimmers finished in exactly the same order as they were seeded.

The finalists:

Roland Matthes	GDR	57.477
Mike Stamm	USA	58.770
Lutz Wanja	GDR	59.083
John Murphy	USA	59.372
Laszlo Cseh	HUN	59.512
Klaus Steinbach	GER	59.770
Romulo Duncan Arantes	BRA	1:00.370
Ian MacKenzie	CAN	1:00.602

200	World Record:	2:02.82
	Roland Matthes, EG, Sept. 2, 1972	
200	1972 Olympic Champion:	2:02.82
	Roland Matthes, EG	

With scores of different East German girls winning gold medals for their country, there was only one East German man who was able to do the same. But it was Mr. Predictable, Roland Matthes, who won his second gold medal of the Championships with a world record performance of 2:01.878, almost a second under his own old world record.

The race in the water for Roland was an easy one, as he finished ahead of his nearest competition by four seconds. But it was the walk to the awards stand which proved to be the tougher task. While walking on the deck, Roland slipped and sprained his ankle. The fall proved very costly too as he had to scratch from the 100 fly which was held two days later, and with the scratch went his chances for winning three gold medals in individual events, a feat which would have made him the top swimmer of the meet.

And that feat would have been very possible too as Matthes came into the event as the No. 1 seeded swimmer. Matthes later swam on the final day of the meet in the 4 x 100 medley relay, and his 56.755 leadoff backstroke swim helped his team to a second place finish behind the United States. Matthes was still limping very noticeably after the race.

Outside of Matthes, the rest of the field was pretty slow — especially the No. 2 and No. 3 seeds, John Naber and Paul Hove of the United States. This enabled the No. 4 seed, Zoltan

Verraszto of Hungary, who had an entry time of 2:07.2, to slip into a second place finish with a 2:05.890, his best ever time. Verraszto had finished seventh in last year's Olympics with a 2:10.09.

The No. 2 seed, John Naber, who had a better entry time than Verraszto's second-place performance, finished a disappointing third in 2:06.917. The No. 3 seed, Paul Hove, USA, swam two seconds slower than his best time this year and finished fifth behind Australia's Robert Williams.

The morning prelims saw 27 competitors in four heats.

Matthes led the qualifiers with a 2:06.753, followed by Verraszto with a 2:07.494. Cutoff for the finals was 2:11.227.

The finalists and their splits:

Roland Matthes	GDR	59.455	2:01.878*
Zoltan Verraszto	HUN	1:00.466	2:05.890
John Naber	USA	1:00.318	2:06.917
Robert Williams	AUS	1:02.978	2:08.166
Paul Hove	USA	1:01.952	2:08.174
M. Tonelli	AUS	1:03.905	2:09.633
Massimo Nistri	ITA	1:03.568	2:10.111
Robert Rudolf	HUN	1:03.669	2:11.425

*World Record



(Photo by Tony Duffy)

Breaststroke

JOHN HENCKEN

100

World Record:	1:04.94
Nobutaka Taguchi, Japan, Aug. 30, 1972	
1972 Olympic Champion:	1:04.94
Nobutaka Taguchi, Japan	

The only men's world record to be broken in a heat swim was done by John Hencken in this event. Having barely missed it at Louisville at the U.S. Nationals by six-hundredths, John was determined this time. Swimming in heat five, he attacked right from the first stroke with a first 50 of 30.2 to finish with 1:04.35.

Other finalists included Rick Colella, USA, Nobutaka Taguchi, Japan, Mikhail Kriukin and Nikolai Pankin of the USSR, Britain's Wilkie, East Germany's Joachim Glas and Nigel Cluer of Papua-New Guinea. A 1:07.59 was required to reach the finals.

The finals developed as expected with Hencken taking a commanding early lead, aiming at another record swim. He went through the first 25 in 13.2. He was 29.5 at the 50 and stroked powerfully, as is his characteristic style, arriving at the 100 with a body length lead and another improvement on the world record, with 1:04.02.

A comparison of the record swims:

Nobutaka Taguchi, 1972	31.38	1:04.96
John Hencken, heats	30.2	1:04.35
John Hencken, finals	29.5	1:04.02

Hencken is 19 and is a sophomore at Stanford University. In talking about his final swim he said, "I really didn't expect a



DAVID WILKIE

(Photo by Tony Duffy)

world record. I just felt good, so I tried to go out even faster than in the morning. I tried to stretch the stroke. All the race, I was worried about Taguchi." Hencken is a magnificently developed young man, but contrary to popular belief, he has not regularly used weights since he was in the 13-14 age group. His AAU club is Santa Clara and his training there is mostly freestyle.

Finishing second in the race was Mikhail Kriukin, a 17-year-old, and his time of 1:04.61 was the second fastest time ever, as well as a European record. Taguchi finished third with 1:05.61, somewhat off his gold medal performance of a year ago.

The finalists:

John Hencken	USA	1:04.02
Mikhail Kriukin	USSR	1:04.61
Nobutaka Taguchi	JAP	1:05.61
David Wilkie	GBR	1:05.74
Nikolai Pankin	USSR	1:06.55
Rick Colella	USA	1:06.69
Joachim Glas	GDR	1:07.41
Nigel Cluer	PapNG	1:08.12

World Record:	2:20.52
John Hencken, Santa Clara, Aug. 1973	
1972 Olympic Champion:	2:21.55
John Hencken, USA	

200

The United States' John Hencken came into this event with a new world mark about ten days old, but Britain's David Wilkie, obviously not impressed, set a new European mark in winning heat two with 2:20.93. It took 2:27.77 to reach the finals and the mighty battle for the 200 breast supremacy was one of the best.

Hencken took control of the race early, as has been his custom. He led until the 150, splitting 30.6, 1:06.78 and 1:42.5. At that point, Wilkie who had held back somewhat, with a 100 split of only 1:07.56 which was only third at that point behind Hencken and the USSR's Mikhail Kriukin at 1:07.07, took over and gradually overtook the tiring Hencken to win by a margin of inches with a new world record time of 2:19.28. Hencken also bettered 2:20 as he did his best time of 2:19.95, bettering his world mark and establishing a new American record.

The record in this event has dropped almost four seconds in two seasons, which is a rather startling improvement for the slowest of the strokes.

The finalists:

David Wilkie	GBR	1:07.56	2:19.28*
John Hencken	USA	1:06.78	2:19.95
Nobutaka Taguchi	JAP	1:10.11	2:23.11
Mikhail Kriukin	USSR	1:07.07	2:23.47
Nigel Cluer	PapNG	1:09.37	2:25.87
Rick Colella	USA	1:10.51	2:26.41
Joachim Glas	EGE	1:10.17	2:26.56
Igor Cherdakov	USSR	1:09.41	2:28.18

*World Record



ROBIN BACKHAUS

(Photo by Tony Duffy)

Butterfly

100

World Record: 54.27
Mark Spitz, Arden Hills, Aug. 31, 1972
1972 Olympic Champion: 54.27
Mark Spitz, USA, Munich, 1972

Mainly due to the process of elimination, Canada's Bruce Robertson emerged as the top 100 flyer.

Last year, Bruce finished behind Mark Spitz in the Olympics, and soon afterwards, Spitz retired. Coming into the 1973 World Championships, Robertson had the fourth fastest time of the year with a 56.60. Ahead of him were Roland Matthes, GDR, and Allan Poucher and Hess Yntema, USA. Poucher and Yntema elected to compete in the World University Games in Moscow so they couldn't give Robertson a race. And then two days before the 100 fly, the No. 1-seeded Matthes sprained his ankle, and had to scratch from the race.

What resulted was Robertson as the No. 1 seed. But after the morning prelims, it looked like he would have a tough going in the finals, as he only qualified third in 56.901. Turning in the top times with their best ever performances were the United States' Joe Bottom with an impressive 55.944 and East Germany's Hartmut Floeckner with a 56.894. The eighth qualifier had a 57.984, as 25 swimmers competed in four morning heats.

In the finals, Robertson took it out hard and finished just ahead of the two Americans — Bottom and Robin Backhaus. His winning time, 55.690, was a tenth of a second slower than his Olympics time, in which he placed second. Bottom, who was the No. 3 seed behind Backhaus, turned in a slower time in the finals than in the prelims, but it was still good enough for a silver medal, a touch ahead of the bronze, 56.376 to 56.427. The silver medal for Bottom, 18, was his first medal in a major international competition.

After the race, Robertson commented, "I wasn't thinking about any other swimmer. I just swam my own race. I took it out fast, and I felt very good coming home."

The finalists:

Bruce Robertson	CAN	55.690
Joe Bottom	USA	56.376
Robin Backhaus	USA	56.427
Hartmut Floeckner	GDR	56.757
R. Seymour	AUS	57.336
Jorge Delgado	ECU	57.418
Neil Rogers	AUS	57.580
Volkert Meeuw	GER	57.812

World Record: 2:00.70
Mark Spitz, Arden Hills, Aug. 28, 1972
1972 Olympic Champion: 2:00.70
Mark Spitz, USA

200

In last year's Olympics, the United States went one-two-three in the 200 fly with Mark Spitz, Gary Hall and Robin Backhaus.

In this year's World Championships, the U.S. representatives were Backhaus and a newcomer on the scene, Stephen Gregg, 17, a freshman at North Carolina State. The two of them upheld the pattern set the year before, as the United States finished one-two with Backhaus taking the honors for the gold.

Both Backhaus and Gregg turned in their best times of the year with a 2:03.325 and 2:03.588. Coming into the meet, it was actually Gregg who was the No. 1 seed, as he had beaten Backhaus at the U.S. Nationals two weeks before. Backhaus was seeded No. 3 behind Jorge Delgado of Ecuador.

Twenty-seven swimmers swam in the morning prelims in four heats. Gregg led the qualifiers by winning the final heat over the second qualifier, Hartmut Floeckner, GDR, 2:04.594 to 2:04.609. The eventual winner Backhaus qualified third with a 2:04.934. The eighth qualifier had a 2:07.286.

In the finals, it looked like Gregg would continue his string of wins as he took the early lead at the 100 with a 59.477 split. At that point, he was just a touch ahead of the No. 2 seed Delgado. Backhaus was almost a second behind, as he touched fifth at the 100. But on the final leg, the 18-year-old freshman at the University of Washington came home with the best split, a 1:03.2, and just did outtouch his teammate Gregg by two tenths. Gregg came home in 1:04.1. Delgado slipped all the way to fifth, as Floeckner dropped his previous best time by almost three seconds to finish third in 2:03.846.

The finalists and their splits:

Robin Backhaus	USA	1:00.129	2:03.325
Stephen Gregg	USA	59.477	2:03.588
Hartmut Floeckner	GDR	59.641	2:03.846
Brian Brinkley	GBR	1:00.216	2:03.947
Jorge Delgado	ECU	59.496	2:04.032
Andras Hargitay	HUN	59.981	2:04.105
Volkert Meeuw	GER	1:00.279	2:05.334
Jorge Jaramillo	COL	1:02.436	2:10.365



ROBIN BACKHAUS

Individual Medley



(Photo by Tony Duffy)

GUNNAR LARSSON

200

World Record: 2:07.17
 Gunnar Larsson, Sweden, Sept. 3, 1972
 1972 Olympic Champion: 2:07.17
 Gunnar Larsson, Sweden

If you had seen Gunnar Larsson in person or even a picture of him after the Olympics, you wouldn't have believed it. The Olympic gold medal winner in both the 200 and 400 IM was not just overweight — he was obese, displaying layers and layers of fat.

If you had still seen him halfway through the summer, you wouldn't have believed it. He remarkably trimmed down from his obese state to where he was looking reasonably in shape, although his times were not fantastic.

And by the start of the World Championships, nine other swimmers had turned in better 200 IM times than Larsson, and with three of those swimmers not competing, he found himself as the No. 7-seeded swimmer, swimming only one event, and trying to defend his title.

And unbelievably, he did it.

Although his time was over a full second slower than his world record performance in last year's Olympics, the Swede still managed to escape with a victory by just outtouching Stan

Carper, USA, 2:08.360 to 2:08.431. Coming into the meet, Larsson's best time was a 2:10.61.

In the morning prelims, in which 28 swimmers competed in five heats, Larsson didn't show any promising signs that he was ready to defend his title. Although winning his heat, he only managed to qualify fourth in 2:10.139. It was the 400 IM winner Andras Hargitay of Hungary who qualified first in 2:09.547. The No. 1 seeded swimmer Stan Carper qualified a surprising fifth. It took a 2:11.465 to make the finals.

But, truly, the finals were another story. Carper took the early lead at the 100, as he was the only one to split under a minute at 59.689 following the butterfly and backstroke legs. Larsson at that point was in good striking distance, as he touched third with a 1:00.324 while Hargitay was second at 1:00.242.

David Wilkie of Great Britain, who won the 200 breaststroke in world record time, made the race much more interesting as he made up tremendous ground on the breaststroke leg. He was seventh at the 100 and eventually finished third in 2:08.845.

Larsson, who said he began feeling the pain around 125 meters, "just put his head down and kept going," and he went on to beat Carper by a tenth of a second. Hargitay finished fourth.

Larsson had returned to his old coach about 14 days before the World Championships and concentrated primarily on his strokes.

The finalists and their splits:

Gunnar Larsson	SWE	1:00.324	2:08.360
Stan Carper	USA	59.689	2:08.431
David Wilkie	GBR	1:02.077	2:08.845
Andras Hargitay	HUN	1:00.242	2:09.521
Chris Lietzmann	GDR	1:00.380	2:09.578
Wolfram Sperling	GDR	1:03.493	2:10.544
Fred Tyler	USA	1:01.764	2:10.862
Sergei Zakarov	URS	1:01.451	2:10.869

World Record: 4:30.81
 Gary Hall, Huntington Beach, Aug. 3, 1972
400 1972 Olympic Champion: 4:31.98
 Gunnar Larsson, Sweden

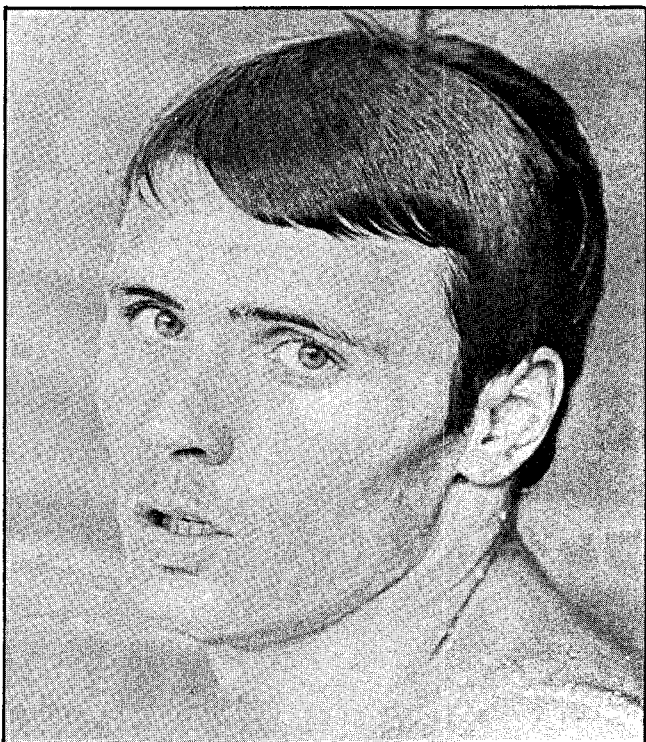
In the 400 individual medley, it's common to see leads change often as the swimmers come to their strongest strokes.

At the World Championships, one could see specific swimmers gaining or losing ground on specific strokes, but Hungary's 17-year-old Andras Hargitay didn't bother to play the game. He just decided to lead from the very start and maintain that position throughout the entire race.

Hargitay, who had won a bronze medal at last year's Olympics, came into the meet as the No. 2-seeded swimmer behind Rick Colella, USA. Colella came into the meet with a 4:32.38, which he swam just two weeks earlier at the U.S. Nationals. Hargitay's best was a 4:34.7.

In the morning prelims, in which 29 swimmers competed in four heats, the swimmers took it pretty easy with Colella leading the way with a 4:38.504 and with Hargitay a close second qualifier at 4:38.964. To make the finals, a 4:43.549 was needed.

In the finals, Hargitay took the lead at the 100 with a 1:00.315, just ahead of Britain's Brian Brinkley at 1:00.869. The top backstroker of the field, Rod Strachan, the No. 3 seed, was seventh at the 100, but he turned in a 1:07.8 backstroke leg and



ANDRAS HARGITAY

found himself in second at the 200 behind Hargitay, 2:09.337 to 2:10.467. In the next leg, the breaststroke, Hargitay widened the gap on Strachan, but then Colella came on strong in his forte, as Rick went from a seventh at the 200 to a second at the 300, a little over a second behind the leading Hargitay. Rick had made up five seconds on the leader in the breaststroke leg. But neither Colella nor Strachan could catch the determined Hungarian, as Andras finished with a 4:31.116, his best ever time, while Strachan passed his teammate Colella in the final leg to finish second at 4:33.507, also his best ever time. Colella's third place finish was

4:34.683, over two seconds slower than what he had done just two weeks earlier.

The finalists and their splits:

Andras Hargitay	HUN	1:00.315	2:09.337	3:29.320	4:31.116
Rod Strachan	USA	1:02.698	2:10.467	3:32.569	4:33.507
Rick Colella	USA	1:01.852	2:15.154	3:30.717	4:34.683
Sergei Zakarov	URS	1:01.561	2:13.196	3:34.232	4:37.058
Wolfram Sperling	GDR	1:02.736	2:14.680	3:35.533	4:37.179
Bengt Gingsjoe	SWE	1:01.970	2:14.155	3:37.192	4:37.629
Brian Brinkley	GBR	1:00.869	2:13.022	3:38.199	4:40.941
Andrei Smirnov	URS	1:02.396	2:15.899	3:37.166	4:41.261

Relays

400 MR	World Record:	3:48.16
	U.S. Olympic Team, Sept. 4, 1972	
	1972 Olympic Champion:	3:48.16
	U.S. Olympic Team	

There were two heats with 15 teams entered and there were no surprises. The leading countries used alternates and easily qualified. The USA swam a team of John Naber, 59.53; John Hencken, 1:04.88; Robin Backhaus, 57.33; and Mel Nash, 53.23 for the fastest time in the qualifying round of 3:54.91. East Germany, using three alternates, qualified in second with splits of Lutz Wanja, 59.67; Joachim Glas, 1:07.9; Hartmut Floeckner, 57.50; and H. Hartung, 53.10 for a time of 3:57.13.

Other qualifiers were Canada, West Germany, USSR, Australia, Great Britain and Hungary.

The final developed with Roland Matthes giving East Germany a two second lead with a split of 56.75. Roland had sprained his ankle two days before this event, and was seen limping after the race. He was obviously ready for a big performance otherwise.

The U.S. team had Mike Stamm as its backstroker who split 58.74. Once John Hencken swam, the race was over as he split 1:03.54 to the East German team's Joachim Glas who could do no better than 1:08.10. Joe Bottom did a 55.95 fly leg and Jim Montgomery anchored the U.S. team with a fine 51.26 free leg to give the American team another gold medal and to continue its string of victories in this event since the 1960 Olympics. The final time was 3:49.49.

East Germany finished second with 3:53.24, which was about a second slower than a year ago.

Third place went to Canada, who also won the bronze a year ago. This time, the team was composed of Ian MacKenzie, 59.90; Peter Hrdlitschka, 1:08.10; Bruce Robertson, 55.74; and Brian Phillips, 52.63. It was Robertson who put them into the race and gave Phillips about a body lead on the West German team's Peter Nocke who set after him in furious pursuit, gaining gradually but falling short by one-hundredth. Nocke split 52.38.

The finalists:

USA	M. Stamm	J. Hencken	J. Bottom	J. Montgomery
	58.74	2:02.29	2:58.22	3:49.49
EGE	R. Matthes	J. Glas	H. Floeckner	R. Pyttell
	56.75	2:04.85	3:00.90	3:53.24
CAN	I. MacKenzie	P. Hrdlitschka	B. Robertson	B. Phillips
	59.90	2:08.00	3:03.74	3:56.37
WGE	K. Steinbach	W. Kusch	F. Meeuw	P. Nocke
	59.69	2:06.78	3:04.00	3:56.38
USSR	I. Grivennikov	M. Kriukin	S. Zakharov	V. Bure
	1:01.09	2:06.87	3:05.39	3:58.09
AUS	B. Cooper	M. Creswick	R. Seymour	M. Wenden
	59.66	2:08.78	3:06.68	3:58.59
GBR	C. Cunningham	D. Wilkie	M. Edwards	B. Brinkley
	1:00.60	2:06.31	3:05.89	3:59.04
HUN	L. Cseh	S. Szabo	Z. Verraszto	I. Szentirmai
	1:00.31	2:07.87	3:06.52	4:01.64

400 FR	World Record:	3:26.42
	U.S. Olympic Team, Aug. 28, 1972	
	1972 Olympic Champion:	3:26.42
	U.S. Olympic Team	

The heats had 13 teams entered and of the major powers only Canada failed to make it through to the finals. They were fifth in Munich last year.

The United States led all the qualifiers with a team of Bill Miller, 53.39; Stan Carper, 53.42; Kurt Krumpolz, 52.50; and Rick Klatt, 53.13.

In the finals, the United States quickly took the lead as Mel Nash swam a fine 52.65. Only Klaus Steinbach, WGE, 52.67 and Mike Wenden, AUS, the 1968 Olympic winner, 52.83, bettered

53.0. The second leg for the American team was by Joe Bottom who split a 51.42 which put the relay two body lengths ahead of the field and the race was pretty well over as Jim Montgomery swam third with 51.17, the fastest leg of the event, and John Murphy anchored with 51.92 for an overall time of 3:27.18, less than a second off the world record set by the United States in Munich.

As expected, the USSR placed second with Vladimir Bure insuring their silver medal with an anchor leg of 52.31.

The East Germans placed third with Roger Pyttel having the best leg at 52.37.

In the morning heats, France had won heat one with a time of 3:35.57 and got a truly good anchor leg from their long time sprint ace, Michel Rousseau with a 51.73. However, Rousseau, saving himself for the 100 sprint later in the week, didn't swim in the final and France could only manage a 3:41.26 for eighth place.

The finalists:

USA	M. Nash	J. Bottom	J. Montgomery	J. Murphy
	52.65	1:44.07	2:35.24	3:27.18
USSR	I. Grivennikov	V. Aboimov	V. Krivtsov	V. Bure
	53.36	1:46.33	2:39.01	3:31.36
EGE	R. Matthes	R. Pyttel	P. Bruch	H. Floeckner
	53.86	1:46.23	2:39.07	3:32.03
WGE	K. Steinbach	P. Nocke	G. Schiller	P. Labudde
	52.67	1:45.80	2:39.23	3:33.33
BRA	R. Oliveira	J. Namorado	J. Adams	J. Aranha
	53.77	1:47.07	2:40.76	3:33.39
AUS	M. Wenden	S. Badger	N. Rogers	J. Kulasalu
	52.83	1:47.12	2:41.28	3:35.27
ITA	R. Pangaro	A. Castegnetti	P. Barelli	M. Guarducci
	54.06	1:49.59	2:43.22	3:36.84
FRA	P. Juge	P. Copin	A. Foucard	A. Hermitte
	55.96	1:50.75	2:46.95	3:41.26

800 FR	World Record:	7:35.78
	U.S. Olympic Team, Aug. 31, 1972	
	1972 Olympic Champion:	7:35.78
	U.S. Olympic Team	

The story in the heats was the relatively poor showing of the American team, as they managed to qualify in only eighth place. The team was composed of Mel Nash, 1:58.77; Tim Shaw, 1:56.42; Bill Miller, 1:58.07 and Rex Favero, 2:01.23 for a time of 7:54.40, placing them third in the first heat.

They left no doubt they meant business in the final, as swimming out of lane eight, they quickly took the lead with a fine leg from Kurt Krumpolz of 1:53.34 and then added three more legs equally good from Robin Backhaus, 1:53.33, Rick Klatt, 1:53.08 and Jim Montgomery, 1:53.53 for a new world record time of 7:33.22. It's hard to believe that they could better the time set a year ago by a team including Mark Spitz, Steve Genter, John Kinsella and Fred Tyler, but they were consistent and having only qualified eighth, they had to show everyone what they really could do.

Second place went to Australia, their only relay medal in the championships. West Germany had a spirited duel with their East German rivals and gained some measure of satisfaction by defeating them by three-hundredths for the bronze.

The finalists:

USA	K. Krumpolz	R. Backhaus	R. Klatt	J. Montgomery
	1:53.34	3:46.61	5:39.69	7:33.22
AUS	J. Kulasalu	S. Badger	B. Cooper	M. Wenden
	1:57.49	3:53.46	5:47.75	7:43.65
WGE	K. Steinbach	W. Lampe	P. Nocke	F. Meeuw
	1:54.78	3:50.15	5:46.44	7:43.68
EGE	R. Pyttel	P. Bruch	W. Hartung	L. Unger
	1:54.02	3:51.15	5:46.53	7:44.44
SWE	B. Zarnowiecki	B. Gingsjoe	A. Bellbring	G. Larsson
	1:58.79	3:53.23	5:49.83	7:45.58
USSR	V. Aboimov	V. Krivtsov	A. Samsonov	V. Bure
	1:57.59	3:54.50	5:50.54	7:47.79
GBR	B. Brinkley	R. Terrell	C. Cunningham	G. Downie
	1:56.69	3:54.59	5:54.40	7:54.30
FRA	P. Moreau	P. Amardeihl	O. Middleton	M. Lazzao
	1:58.43	3:59.72	6:00.93	8:04.45

*World Record

WATER POLO CHAMPIONSHIPS

By FRANK MOORMAN

S.A.D. are the initials used to designate the United States in Yugoslavia, and sad were the results when compared to the United States bronze medal in Munich. There were extenuating circumstances, however, and in a tournament that saw 16 teams from all over the world competing vigorously for a place of honor, the United States did well to overcome some initial handicaps, get in the final bracket and then barely lose out in goal differences to Italy for 4th place.

The 16 teams were entered in the Championships on the basis of their performances in the Munich Olympics and various elimination tournaments held in zonal areas for those nations who were unable to advance through seeding. Three brackets were set up by FINA for the preliminary rounds, with the three medal-winners at Munich heading up each of the 3 groups. In the first group were the USSR, Yugoslavia, Holland, Australia, Great Britain and Mexico. In the second group were Hungary, Italy, Rumania, Spain and Israel. The last group was composed of USA, West Germany, Cuba, Bulgaria and Greece. The top two in each group advanced to the final round of six, with the third and fourth place winners in each group advancing to the B group, trying for places 7 to 12. The rest, in final group C, competed for positions 13 to 16. All results of games in the preliminary rounds were

carried over to the final rounds, so that no team played another team a second time. In other words, USA's score of 4-3 over Cuba in the preliminary round carried over and was counted in the totals for the final accounting.

In the preliminary round of Group A, USSR and Yugoslavia advanced to the final round, although Russia barely managed to beat Holland 5-4, in a game marked by rough play on the part of the Russians and very poor refereeing. The stands concurred vociferously in booing the Russians and the referee. Holland and Mexico then moved into final Group B, with Australia and Great Britain into final Group C competing for 13th to 16th place.

Preliminary Group B sent Hungary and Italy in the final top six, with Rumania and Spain chosen to compete for 7th to 12th place, and Israel, no threat to any one, slipping into the lowest group.

In the preliminary games of Group C, Cuba and USA moved into the final round, although USA did so barely, as they tied the German team, which had unexpectedly also tied a much stronger U.S. team in Munich. Germany and Greece moved into the competition for the 7th to 12th places, and Bulgaria, which had beaten the United States, had to be content with the contest for the last 4 places.

In the final round, Hungary won by dint of a close but impressive win over Russia,

5-4, in what should have been the final game but due to the exigencies of the tournament, took place on the evening of September 7, two days before the tournament was over. The Hungarians were the better team, but the Russians kept in the game by defending successfully when Hungary had an extra man. The Hungarians subsequently let down after this game, so that only by dint of a score early in the 4th quarter of their game with Yugoslavia did they achieve a 3-3 tie with the home team in an otherwise scoreless last quarter, the day before the tournament ended. Russia was clearly the second best team. Yugoslavia got 3rd place as a result of their tie with Hungary. Had the Yugos lost, goal differences might have rearranged the 3rd to 5th place standings. Italy and the United States each won two games and lost three, but Italy got the nod for 4th place on goal differences, 4 to 6. Cuba, which failed to beat any team in the final grouping, took 6th by the virtue of being in that final Group A. Rumania, with 4 wins and 1 tie, was 7th, and Holland, with 4 wins and 1 loss, was in 8th place, although many observers felt that had the luck of the draw enabled them to play Cuba, Holland would have been in the final top six, possibly ahead of the United States. The Dutch team played the same style game which the Americans did in Munich to gain their bronze there, a breaking, swimming strategy which almost enabled them to beat Russia. Mexico got the nod over Spain (both had the same number of points) for 9th place instead of 10th because of goal differences. Germany, winning 1 and tying 1, was 11th. Greece, competitive all the way, with 2 ties in the preliminary round and 2 in the final round, although with no wins, took 12th place. In the bottom quartet, Bulgaria, Australia, Great Britain, and Israel finished up in that order.

USA's first game was with Cuba. Cuba took an early lead with a score before the first minute was up, but the United States managed to tie the score in the 2nd quarter, and then go on ahead 4-2 by the end of the 3rd period. The 4th period was almost scoreless until the last second of the game, when the United States was unable to hold possession of the ball with a man down and the Cuban's extra man scored with the ball in the air when the horn sounded ending the game. The U.S. team might have made it a bigger margin but couldn't score three times in the first quarter when they had an extra man and once in the last period, and also failed to make a penalty throw in the 3rd quarter. Slatton stood out for the winners, with Asch, Svendsen and Schnugg also playing well. Fuchs of Belgium refereed well.

In a game where the lead seesawed back and forth, the United States lost to Bulgaria 6-5 on the second day of play. Bulgaria scored first on a penalty in the first period, but the United States tied it up a minute later. USA took the lead in the 2nd quarter and midway in the 3rd was ahead 4-2. Bulgaria tied the score within two minutes, gained a point lead in the 4th quarter which the United States managed

PRELIMINARY GAMES

GROUP A	USSR	YUG	HOL	AUS	GB	MEX	W	T	L	PTS.
	USSR	6-2	5-4	9-3	14-1	7-4	5	0	0	10
	YUG	2-6	8-5	10-6	9-0	6-5	4	0	1	8
	HOL	4-5	5-8	4-2	8-1	5-3	3	0	2	6
	AUS	3-9	6-10	2-4	1-4	4-1	3-5	1	0	4
	GB	1-14	0-9	1-8	1-4	3-5	0	0	5	2
	MEX	4-7	5-6	3-5	5-3	5-3	2	0	3	4
GROUP B	HUN	IT	RUM	SP	IT	W	T	L	PTS.	
	HUN	6-4	9-4	7-3	14-0	4	0	0	8	
	IT	4-6	5-4	5-2	12-2	3	0	1	6	
	RUM	4-9	4-5	10-4	12-1	2	0	2	4	
	SP	3-7	2-5	4-10	11-3	1	0	3	2	
	IS	0-14	2-12	1-12	3-11	0	0	4	0	
GROUP C	USA	GER	CUB	BUL	GR	W	T	L	PTS.	
	USA	3-3	4-3	5-6	6-5	2	1	1	5	
	GER	3-3	5-6	9-8	1-1	1	2	1	4	
	CUB	3-4	6-5	3-0	7-2	3	0	1	6	
	BUL	6-5	8-9	0-3	4-4	0	1	3	1	
	GR	5-6	1-1	2-7	4-4	0	2	2	2	

FINAL GAMES

GROUP A	FINAL PLACING	HUN	USSR	YUG	IT	USA	CUB	W	T	L	PTS.
	1	HUN	5-4	3-3	6-4	6-2	8-4	4	1	0	9
	2	USSR	4-5	6-2	6-2	8-5	6-2	4	0	1	8
	3	YUG	3-3	2-6	4-5	6-5	8-3	2	1	2	5
	4	IT	4-6	2-6	5-4	5-6	6-3	2	0	3	4
	5	USA	2-6	5-8	5-6	6-5	4-3	2	0	3	4
	6	CUB	4-8	2-6	3-8	3-6	3-4	0	0	5	0
GROUP B	FINAL PLACING	RUM	HOL	MEX	SP	GER	GR	W	T	L	PTS.
	7	RUM	6-5	3-3	10-4	5-3	11-6	4	1	0	9
	8	HOL	5-6	5-3	5-4	9-3	7-2	4	0	1	8
	9	MEX	3-3	3-5	5-3	6-7	4-4	1	2	2	4
	10	SP	4-10	4-5	3-5	6-5	5-4	2	0	3	4
	11	GER	3-5	3-9	7-6	5-6	1-1	1	1	3	3
	12	GR	6-11	2-7	4-4	4-5	1-1	0	2	3	2
GROUP C	FINAL PLACING	BUL	AUS	GB	IS	W	T	L	PTS.		
	13	BUL	3-2	5-5	8-3	2	1	0	5		
	14	AUS	2-3	4-1	12-1	2	0	1	4		
	15	GB	5-5	1-4	10-5	1	1	1	3		
	16	IS	3-8	1-12	5-10	0	0	3	0		

to match, and then went on to get the winning goal with a minute to go. The United States again failed to score with extra men in the pool. Lebedev of Russia did a pretty good job as referee.

The last game of the third day of the tournament found USA matched against Germany. Germany took the lead with a score at the end of the 1st quarter and kept the lead through the next two periods, although the United States tied it up midway in the 3rd. Thirty seconds before the game ended, Svenden scored as an extra man, and a 3-3 tie was achieved with the same team that managed a 4-4 tie at Munich. The United States was definitely not playing well and seemed to have lost any scoring punch. All three of the U.S. goals were scored from an extra man, and the team took 22 shots at the goal throughout the game without being able to get more than 3 in, as opposed to 4 shots by the Germans, two of which scored, including a long, long shot from beyond halfway with one second to go in the first quarter. The United States got all 4 swim-offs but couldn't do anything with them. The U.S. players were being called for fouling more than the Germans, some of which calls were legitimate. Goose of Holland was a bad referee in the opinion of the press, spectators and players alike. At one point he threw out an American in the 3rd period for raising his hand two yards away from a German taking a free throw.

The final game in the preliminary round for the United States was the game with Greece, which USA won 6-5. Greece took a lead in the 1st quarter, which they

managed to keep at the end of the half. They were ahead 4-2 early in the 3rd quarter, but the United States scored 3 goals in this period to go into the lead, which they kept. Twelve seconds before the end of the game Svendsen accidentally scored for Greece with a bad pass to Slatton in the goal. In this game a courageous Greek team did the swimming during the play although they didn't even try for the ball on three swim-offs. In the 3rd period, when the United States had an extra man, the Greek goalie pulled down the goal to prevent a sure goal, thereby having a penalty awarded against him, which Ferguson put in. The U.S. play was marked by bad passing, "bucking," and not putting the ball in play fast enough. In this game 19 shots were taken at the goal to get 3 of the goals which were not due to extra men or a penalty. Laundon of Great Britain did an acceptable job as referee, although the U.S. team was not prepared for his style of calling fouls.

The play in the final round commenced on September 6. As noted before, the score of the U.S. game with Cuba was carried forward with a 4-3 win for the United States. The first game for USA with another finalist was with Hungary, which the latter won 6-2. Hungary led at the first quarter, 1-0, at the end of the second 2-1, at the end of the third 4-2, and scored two more on extra men in the last period to clinch the win. The Hungarians got the ball on the first three swim-offs, but the United States, getting it when needed on the last one, with an extra man, were unable to capitalize on their advantage. The Americans had had 5 days

of practice games in Budapest prior to the start of the Championships, during which they lost to the national team, but were unable to utilize their knowledge of their opponents to achieve a closer score. Bad passing and throwing the ball away contributed to the loss. Fuchs of Belgium refereed a good game.

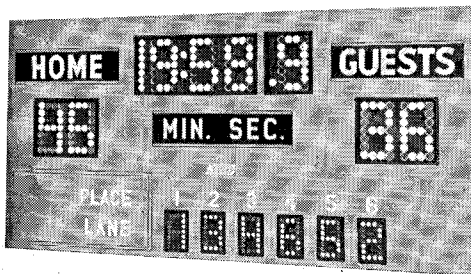
The next game in the final round for the United States was with the home team, Yugoslavia. In a game replete with fouls, 11 for Yugoslavia and 9 for the United States, each team scored only one goal apiece that was not due to a penalty or an extra man. Had not Yugoslavia gained a marked lead of 4-2 in the first period, the final results might have been different. The half saw the score 5-3, with the same result at the end of the third period. In the fourth, the United States scored two to Yugoslavia's one, with one of the U.S. goals a penalty shot by Asch. The United States seems again unable to take advantage of the extra man (Yugoslavia had four men out during the fourth period and the United States was unable to score during those times), and in general bad passing contributed to the U.S. loss. Neutral observers in the press box also felt that the refereeing of Angella of France was not acceptable, and that otherwise Yugoslavia might not have won, as it did, 6-5. The crowd of course was noisily rooting for the home team, and in the last quarter the officials had to beg the crowd not to whistle, so that the U.S. penalty throw could be taken. Slatton played well for the USA.

On September 8, the U.S. team met a favored Italian team and in a close game,

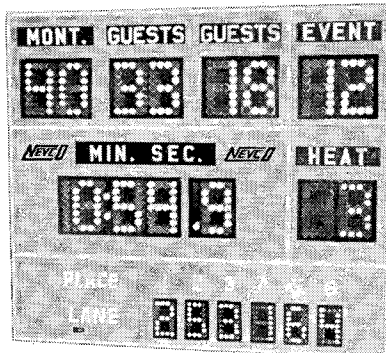
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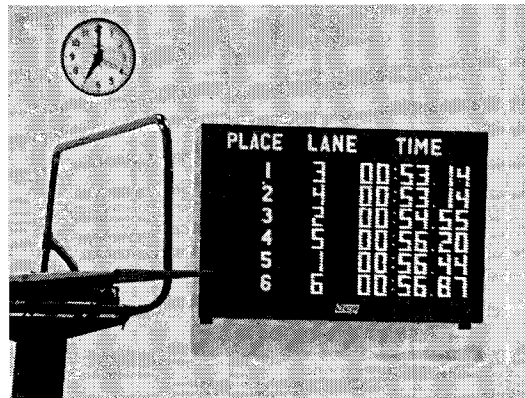
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won 6-5. Italy took the lead 2-0 at the end of the first quarter and held a 4-1 lead at the half. At this point, the U.S. first string goalie, Slatton, went in and a different story resulted. The United States scored 3 goals in the third period to tie the score, fell behind by 1 goal a little over a minute into the fourth, tied it up 5-5 with 1:50 to go in the last period, and then Asch scored the winning goal with 3 seconds to go in the game. The United States scored 3 of their goals while even, 2 with an extra man and 1 on a penalty throw. USA got the first three swim-offs. On the last swim-off, both sides jumped according to the goal judges, and the referee gave the ball to Italy, ignoring the other goal judge's signal that Italy had jumped as well. (The rules call for a jump ball or another swim-off in this instance.) USA took 13 shots at the goal when they had an extra man and only scored 3 times, two of which just barely went in. In the last period five different U.S. players were thrown out for fouling. It should be noted that the referee, Goose of Holland, did a totally unacceptable job as referee. Press, spectators, and players all agreed on that.

The last game of the tournament, played on the evening of September 9, was the U.S. game with Russia, which Russia won 8-5. Russia was strongly favored, but consistent fouling gave the Americans at least a little hope for the first half. After a 1-1 first period, during which Russia had 5 men thrown out for fouling to none for the United States, the halftime score had Russia leading 4-3. Russia pulled ahead steadily then with a 2-1 lead

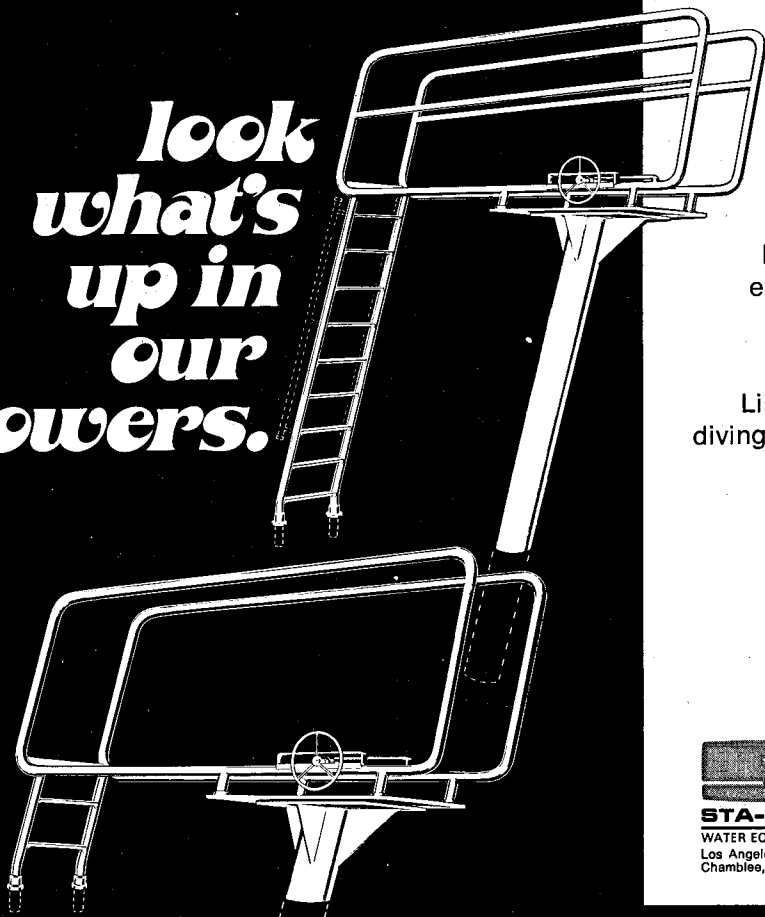
in each of the last two quarters. Russia committed 11 fouls during the game to 3 by the United States. The almost total U.S. inability to score with an extra man weighed heavily against the Americans' chances with so many Russians ejected from the game. When Russia's Barkalov was ordered out for his third foul a half minute before the end of the game, and the United States scored with 13 seconds to go, Russia didn't even bother to replace him in the ensuing lineup. Again the Americans took 14 shots at the goal to garner their 5 points with many misses especially when the United States had an extra man. Svendsen won all four swim-offs. The referee, Pollman of Germany, did an acceptable job.

Swimming World's reporter has seen probably more Olympic water polo games than any other American, having attended all the Olympics, primarily for water polo, from 1936 on. He has played on national championship teams, has refereed internationally and has this background as a basis upon which to comment regarding the First World Championships in Water Polo. Having watched all but 2 of the games in Tokyo, 71 of the 72 games in Mexico, all of the games in Munich, and all 64 games played in Belgrade, more than any other reporter, he has a basis of judgment. The style of play is changing again. Where a swimming game was encouraged, where speed as well as finesse were important to wear the opposition down, where this same speed and swimming ability enabled the United States to gain a bronze at Munich, the

style is changing to an emphasis on throwing the ball to the man in the bucket or hole, and hoping he might possibly have the strength or ability to get a score off. Failing this, enough passes to and from him may result in a penalty throw or an extra man situation. Swimming was intended to be done around the perimeter, but the end result has been to produce a static play where one bucket man plays until he is weary or until another, hopefully a more aggressive man, will replace him in the same bucket, or two-or-three-yard line. We don't say this is good. We just say this must be recognized, as well as the fact that the up-and-coming team of Holland has apparently adopted the former American style of swimming, swimming, swimming, to develop a team that threatened to appear in the final six. Incidentally, the Dutch team, which had the best goalie in the tournament, had beaten the Yugoslavs three times in May and forced them to bring back out of semi-retirement, the old stars, Bonacic and Perisic, to put Yugoslavia into the running.

In retrospect, looking at all the team, the Hungarians stood out and deserved to win. They had brilliant, individual stars, coached by ex-Olympians, Gyarmati and Karpati, who could think and plan what to do when a new situation developed. The Russians were a solid, stolid team, in great physical shape, but not quite capable of thinking out what to do when an opposing individual disrupted a carefully planned team play. They were strong and played "dirty" on occasion when required,

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something far more apparent to the press from its high-up position than to the referee at water level. The Yugoslavs, the Italians and the Americans all could have had a triple tie as far as potential and ability deserved. Holland might have beaten Cuba for the sixth place, depending on the luck of the draw. Had the United States had more than only 8 days' play together before they left the country, followed by 5 days' practice in Budapest, they might have done far better.

Politics in its own right was omnipresent at the Championships. Americans wondered why Dr. Henning didn't spend a little more time watching the Americans play, even though he is President of FINA and as such is supposed to be above national considerations. After the last preliminary round game was played, the rumor was going around that one of the Russians had failed to pass the urine test. What was going to be done about it? As it turned out, a press bulletin was issued saying that no problem in this area was discovered. Politics were said to be behind the rumor going around before the Hungary-U.S. game that the International Olympic Committee had decided to allow 16 teams instead of 12, to qualify for Montreal, a possible sop to FINA which had threatened to withdraw water sports from the '76 Games in Montreal. Politics caused Bela Racj, "Mr. Water Polo," to be ejected from the third session of the executive session of FINA after having been allowed in the first two, because he was an "honorary" member. Politics

selected some referees for certain games, with their friends chosen as members of an International Jury to judge their performance, when certain referees should have been put out to pasture as well as their Jury friends.

Yet fair play took over when Great Britain was selected to take Japan's place when Japan dropped out of the tournament. Great Britain had placed third in its zonal trials over Sweden, Poland and Austria. Czechoslovakia, originally selected as the host for the zonal trials, withdrew, and then tried to enter after Yugoslavia offered Hvar as a venue. Needless to say, Czechoslovakia was voted out and was not allowed to compete.

In those trials at Hvar, Germany and Bulgaria beat Greece easily. Yet in the first game when Bulgaria played Greece on September 4, the game ended in a tie that was disputed due to the last goal having gone in as the game ended. It turned out, however, that the clock was 7 seconds fast so that the goal should have counted. After protests back and forth, it was decided that the game should be replayed the next day, which it was under a different referee, and Greece won this time, 8-5.

There was much controversy about the rules and how they differ in interpretation depending on the referee and his experience. Some allowed bucking; some threw out forwards for doing it. Some paid no attention to "ducking under" to try to get into a good position; some considered that "provocation" and a major foul. What is "dissent" and when should it be

called? Is the ball accidentally bouncing off a player's head a deliberate attempt to throw away the ball? How are they to be interpreted? There should be something in the way of international referees' clinics to clarify these points, and others. There should be an age limit for referees, with perhaps some other kind of physical qualifications. These and other similar points will be discussed in a subsequent article covering referees and Swimming World's selection of the ten best referees in the world, based on Belgrade performances.

A subsequent article will also cover Swimming World's selections of the 14 best players in the world, again based on Belgrade. (It was decided to choose 14 so that there might be 2 men for each position.)

The United States had a fine team, though only Slatton and Asch reminded the onlookers of the Munich potentials. The coaches, Monte Nitzkowski and Peter Cutino, can't be beaten for knowledge and experience, however, one might be tempted to try to second guess them. What the United States needed was more time to work together and possibly a little more determination on the part of some players to work together as a team. Temperament was there.

Having said this, Swimming World will now look forward to what the United States can come up with in the forthcoming Second World Championships in Cali, Colombia in 1975, and the Olympics in 1976, if FINA decides to enter those Games.

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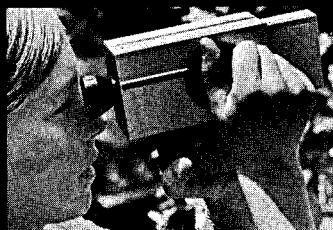
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DIVING CHAMPIONSHIPS

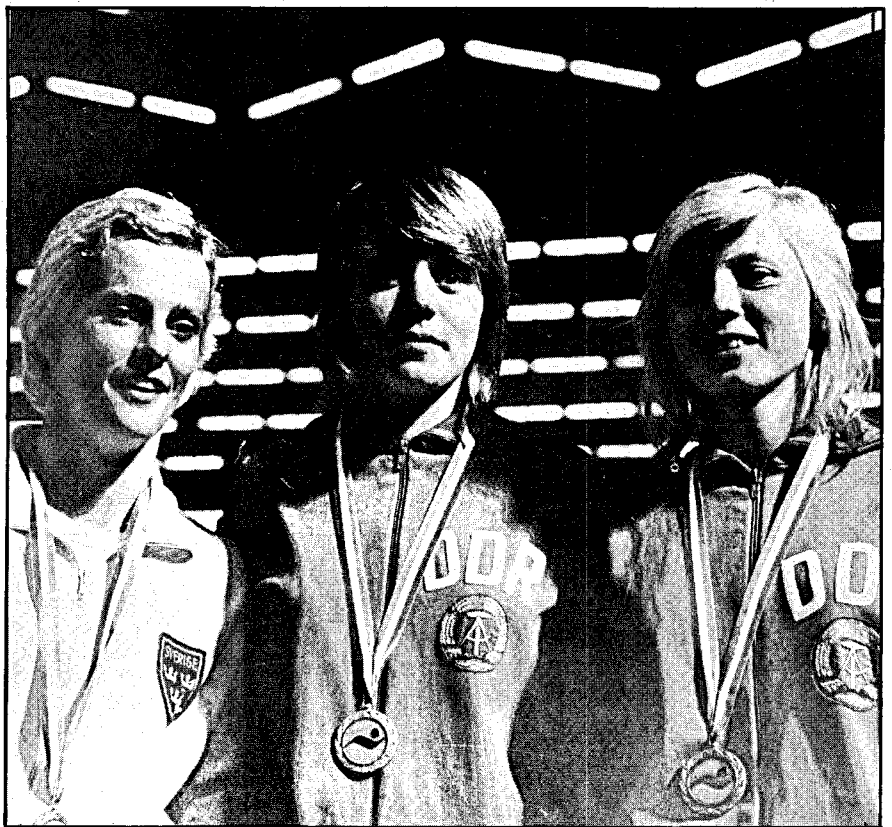
By CAROLYN FINNERAN

United States divers had some moments of great splendor in Belgrade — enough to lend encouragement to the entire U.S. program for 1976. Phil Boggs dove superbly in the 3 meter finals (his lowest scores were 7's and he received over 70 points on 3 optional dives.) Boggs' moment came when Italy's Klaus DiBiasi's last dive failed to top his and Phil received the gold medal he so richly deserved. Keith Russell had 4 fine dives, one receiving the highest total for any one dive. He was second only to Phil but had to settle for third because DiBiasi, who missed 3 dives, received only one score below 7 on any of them.

Russell came back to perform beautifully on the tower and was a solid second behind the always highly scored DiBiasi. Tim Moore had an off day and settled for a sixth place that was eight points out of third.

The men's springboard required dives seemed unusually beautiful — one lovely dive after another. In the optionals, however, the Germans and Russians really fell apart, crashing on many dives and never have I seen so many legs apart entries. Only the first three dove with world class aplomb. DiBiasi was superb for the first half of his list on tower, building up an insurmountable lead. His faulty performance in the last half of the contest only served to cut his margin of victory, as Dick Rydze learned in Munich.

In International Diving contests, there



ULRIKA KNAPE, KRISTA KOHLER, MARINA JANICKE

(Photo by Tony Duffy)

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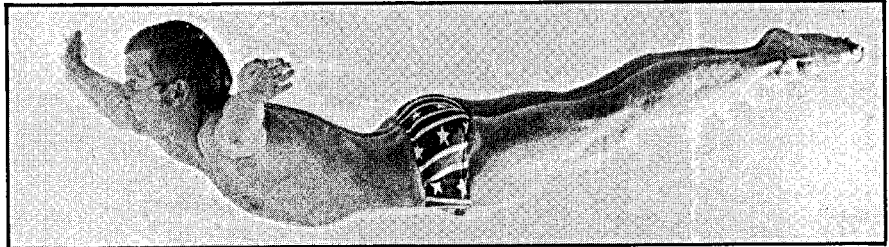
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seems to be three essential requirements — age, experience and high degree of difficulty. Possession of all three of these gives a diver a great advantage — to do well without them is miraculous. Led by Barbara Schaeffer who earned a very creditable fourth place in the 10 meter contest, the younger U.S. girls suffered varying degrees of the jitters. Carrie Irish had her great moment when she did the best dive of the 3 meter contest, scoring 8½'s on her reverse 2½, which was a beautiful dive. Jenie Chandler, 14 years young, had her problems. After qualifying second and fourth, both girls were naturally disappointed in their final performances. They were the first American girls to run into the "GDR Syndrom" which so frustrated our swimmers. American girls garnered only 3 gold medals in swimming and diving and when you hit one East German, you usually find there are two. Ulrika Knape of Sweden looked like she would be the winner of the 3 meter — she is a graceful diver with a great deal of class. Yet the East German, Christa Kohler won the event largely due to her high degree of difficulty dives — she does a triple twister. Her cohort, Marina Janicke was third, a decidedly more aesthetic diver.

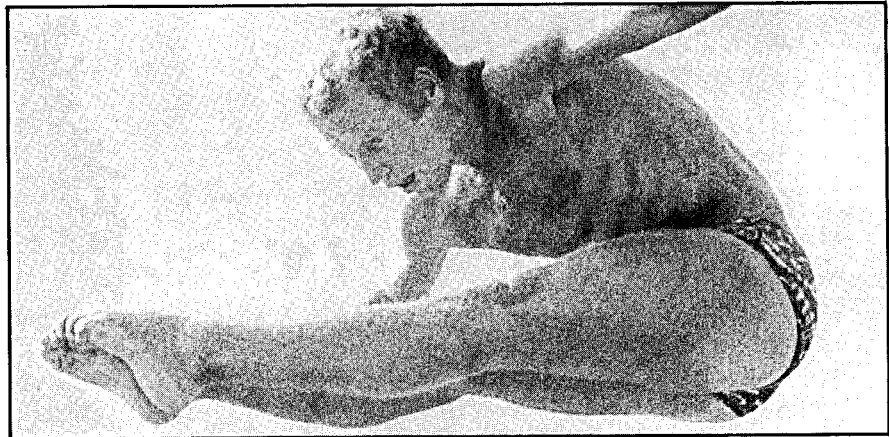
The tower, however, belonged to Ulrika who did some very excellent dives, including a back pike which received a ten — the first I have ever seen awarded to a woman. In watching tower diving on television, the slow motion instant replay of the dive shows the diver entering the water clearly and so improves the dive because the water spray conceals much of

the actual entry — perhaps slow motion should be considered in judging. In slow motion, her dive was indeed a ten. Milena Duchkova of Czechoslovakia was a surprise second. She did her hard dives well, but some of her takeoffs brought a lump to my throat. The Russians got their

only diving medal when Irina Kalina took third. Debbie Keplar again was a victim of age, experience and degree of difficulty. Both Debbie and Jenie have a grace about their diving which will hold them in good stead when they overcome their present handicaps.



PHIL BOGGS



KLAUS DIBIASI

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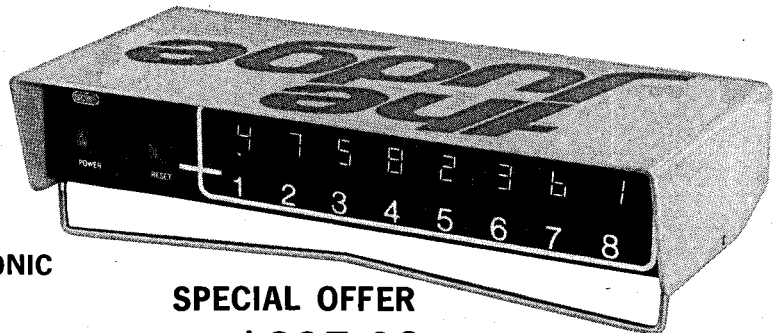
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SYNCHRO CHAMPIONSHIPS

By DONALD T. KANE
Vice-Chairman, FINA Synchronized Swimming Committee

Led by Teresa Andersen of Santa Clara, California, the United States swept every event at the First World Synchronized Swimming Championships at Belgrade, Yugoslavia. The United States, a heavy favorite going into the championships, was, however, pressed somewhat by a surprisingly strong and fast improving Canadian contingent. And, to the surprise of some international leaders, the synchronized swimming competition proved extremely successful and very popular to aquatics spectators. Fifteen nations competed in synchronized swimming at Belgrade which is short of amazing since 22 nations competed in diving and 16 nations in water polo.

The judging in routine competition was considered to be very consistent. However, it became obvious to American and Canadian observers that European judges do not have the experience of judging long, tedious Stunt Competitions. There were 86 competitors entered in the Stunt Competition which required 5½ hours to complete. The judging began to "float" upward from about competitor No. 20. Incidents of higher judges awards became more and more frequent as the competition progressed. This observation is not intended as a criticism of European judges, rather it simply points out the importance of experience in developing skill in judging synchronized swimming.

Saturday, September 1, 1973 — STUNT COMPETITION

The excitement of the First World Synchronized Swimming Championships apparently proved too much for Herr Adolph Brinckmann, a member of the FINA Synchronized Swimming Technical Committee, who while eating his breakfast at Hotel Slavija, suffered a fatal heart attack. Hannelore Kocher, member of the German team was with him at the time and accompanied him to the hospital. The shock of Herr Brinckmann's death certainly saddened the synchronized swimming community but proved devastating to the West German synchronized swimming efforts.

Also devastating for some of the Solo competitors were those

early draws such as Eva Govezensky of Mexico, JoJo Carrier of Canada, Lillian Madsen of Denmark and Jennifer Lane of Great Britain. The early draws literally knocked these competitors out of serious contention for the Solo crown.

Teresa Andersen, despite faltering slightly on her Hightower, easily won the Stunt Competition with a score of 73.460. Suzanne Randell, also of the United States, was second with 70.917. The biggest surprise was that Canadian synchro swimmers finished third and fifth through eighth. Carol Stuart of Calgary placed third with 70.437 with teammates Mado Ramsay, Michele Calkins, Laura Wilkins and Lorraine Nicholl placing five Canadians in the top eight places.

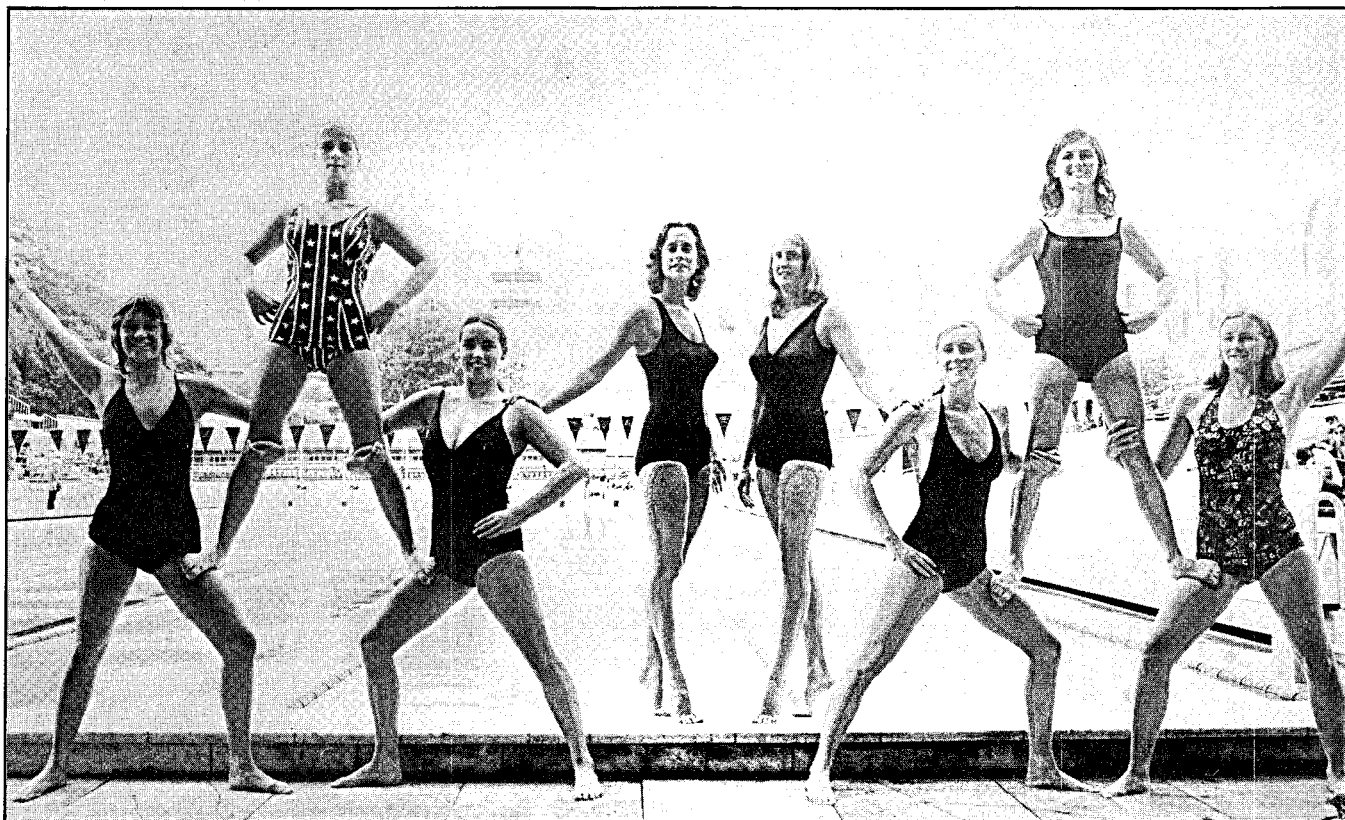
Sunday, September 2, 1973 — SOLO COMPETITION

Going into the Solo routine competition with a 6.926 lead over JoJo Carrier, it was a sure thing for Miss Andersen. The commanding lead did not seem to affect Carrier for she came within a whisker of matching Miss Andersen's performance in the Free Routine Competition. Junko Hasumi of Japan proved to be a solid third, but lacked the strength of Andersen and Carrier. Liesbeth Wouda reestablished Holland as the number one synchronized swimming country of Europe, finishing a strong fourth. Francoise Schuler of France upset Jennifer Lane of Great Britain for fifth and sixth places while Beverley Balkind skyrocketed Australia into the international synchronized swimming scene with a pleasant and surprising seventh place finish. Brigitte Serwonski of West Germany rounded out the Solo finalists with an eighth place score of 93.073.

Monday, September 3, 1973 — DUET COMPETITION

The Duet Competition got underway in a most auspicious manner with the two favored USA and Canadian duets swimming back-to-back in draw positions 1 and 2. As in the Solo, the American entry did not score as high as was expected, but

(Continued on page 41)



WINNING USA SYNCHRO TEAM

(Photo by Tony Duffy)

EAST GERMANS (Cont'd. from page 4)

coaches. All of their observations on the child-athlete — physical, physiological and psychological — are sent to the three head coaches in charge of the program in the whole country. The data is then put on perforated cards (computerized) and a constant exchange of information is started involving the clubs, the head coaches and about 100 doctors specializing in sports medicine.

The annual training plan is divided into three phases — endurance, speed-endurance and speed. Eight days of rest separate each phase.

The daily training distance is about 10 kilometers, 340 days a year.

The doctors make sure that all the training is never allowed to exceed the limits of each athlete. This is done mainly by frequent blood tests.

There is talk of a sort of "vaccine against fatigue." It consists of an injection of toxic substances which allows the body to combat fatigue more efficiently.

It is believed that male hormones are given to the girls, who, in addition to an increase in vigor, develop a superiority complex with respect to other females from foreign countries.

Another device is the use of a doping substance, not currently detectable, which virtually guarantees maximum performance with 98 percent chance of success, as compared to classic training which is about 68 percent successful.

These accusations are terrible. The only way for East Germans to answer these accusations is to open their training camps. A simple denial will not be sufficient."

Editor's Note: One must realize that many of the same accusations have been offered before when other swimmers have shown a superiority over their competition.

It is interesting to note, however, some of the changes in height and weight among some of the East German girls in a year's time, as taken from the 1972 and 1973 East German, swimming guides.

Sylvia Eichner	16	1.67 m.	1.70 m.	61 kg	70 kg
Andrea Eife	17	1.70 m.	1.72 m.	57 kg	70 kg
Kornelia Ender	14	1.72 m.	1.78 m.	59 kg	63 kg
Angela Franke	15	1.76 m.	1.76 m.	60 kg	63 kg
Rosemarie Kother	17	1.60 m.	1.67 m.	50 kg	65 kg
Elke Sehmisch	18	1.67 m.	1.73 m.	52 kg	68 kg
Renate Vogel	18	1.64 m.	1.70 m.	54 kg	63 kg
Gundrun Wegner	18	1.75 m.	1.75 m.	65 kg	68.3 kg

On paper, and in person at the World Championships, the East German girls are big, well developed and strong in appearance. Note that several of the girls jumped from eight to over ten kilograms in weight (16 to 20+ pounds) in just one year. World record holder in the 200 fly, Rosemarie Kother gained 15 kilograms in one year, which is about 33 pounds. (To convert kilograms into pounds, multiply the kilograms by 2.2046.)

Why the success of the East German girls? The comparison of heights and weights over one year shows the girls to be bigger and stronger, however, the reasons for the increase remain unconfirmed.



(Photo by Tony Duffy)

KORNELIA ENDER, ULRIKE RICHTER

NAME	AGE	'72 HEIGHT	'73 HEIGHT	'72 WEIGHT	'73 WEIGHT
Hannelore Anke	15	1.60 m.	1.69 m.	52 kg	62.7 kg
Roswitha Beyer	16	1.60 m.	1.60 m.	52 kg	60 kg

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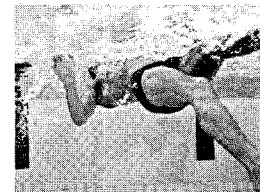
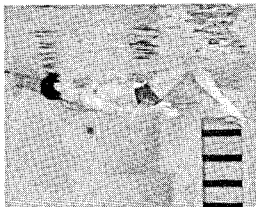
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WORLD STUDENT GAMES

By SANDY SEGAL

Editor's Note: The following information was gathered from a report by Dick Heller, chairman, USCSC Aquatics.

The American and Soviet teams dominated the swimming competition at the World Student Games in Moscow, USSR, with the United States taking 48 medals and the Soviets gaining 42.

The competition was held in the Luzhnik Pool from August 21 through 24, with competitors from 38 countries participating. Weather for the morning preliminaries on the first day was warm and sunny, but the finals later that day were held in a thunderstorm. The final three days of the meet were bright but cold and windy, factors which greatly affected the swimming.

American girls were strong in the swimming events, taking the gold in every event but the 100 breast, and completing four one-two finishes. Team captain Cathy Carr, University of New Mexico, and Sally Tuttle, Ventura College, led the U.S. swimmers, who set eight World Games records. Carr took first in the 200 m. breaststroke with a time of 2:47.00, and placed second in the 100 m. breaststroke and the 200 m. individual medley. Tuttle won the 100 m. freestyle with a time of 1:00.33, and anchored the winning medley relay and freestyle relay teams.

Other winners among the 18 members of the women's team were Ann Simmons, Long Beach State, who won the 400 m. freestyle ahead of Jill Strong, University

of Arizona, with a time of 4:28.80, and Irene Arden, University of Washington, who defeated Cathy Corcione, Princeton University, in 1:06.05. Ellen Feldman, University of Virginia, took the 100 m. backstroke in 1:07.04, and Susie Atwood, Long Beach State, beat Cathy Carr in the 200 m. individual medley with 2:26.38.

The 20-man men's team did as well as their female counterparts, winning eight events and taking 11 other medals. Dave Johnson, University of New Mexico, and Allan Poucher, University of Southern California, led the American men with three gold medals apiece.

Poucher's medals came with times of 56.36 and 2:05.67 in the 100 and 200 m. butterfly, respectively, and as a member of the winning 400 m. medley relay team. Johnson took the gold in the 100 and 200 m. backstroke with times of 59.94 and 2:10.11, and was also a member of the medley team. Jack Tingley, University of Southern California, gave the United States two more golds, with wins of 4:02.87 in the 400 m. freestyle and 16:02.20 in the 1500 m. free.

The Soviet Union took over the diving competition at the World Games, capturing 7 of 12 medals, including three golds. Milena Duchkova of Czechoslovakia captured the only non-Soviet gold, winning the 10 m. tower dive. Steve McFarland, University of Miami, was the only American medalist, picking up the bronze in both the 3 m. dive and the 10 m. tower.

The diving competition was held at a separate site called the Tchajka Pool. Facilities were excellent, but cold weather hampered all of the divers.

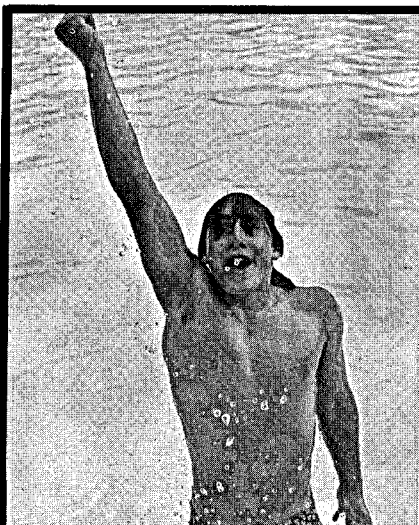
The members of the U.S. swimming and diving squad chosen to go to Russia were picked according to the criteria of the United States Collegiate Sports Council. The selections were based upon performances in several National indoor championship meets in the spring of 1973. After selection, several male swimmers declined the team and were replaced by the next available athlete in their speciality.

American swimmers were housed on the seventh floor of a wing of Moscow University. All except a few had single rooms and shared a bathroom or shower with another. Other U.S. personnel were assigned rooms on the same floor or on the floor above. A great quantity of food was available, but of a type and quality that may have been the cause of some cases of diarrhea and extreme weight loss.

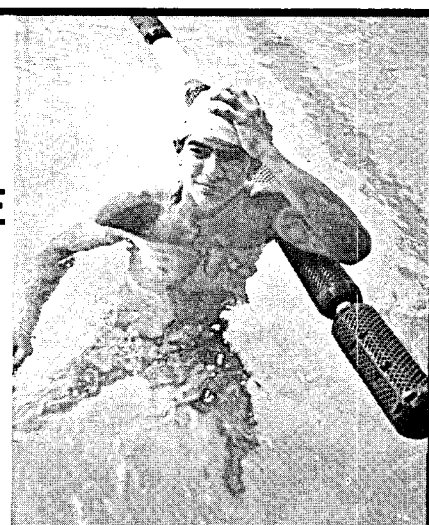
Swimmers had been informed that random drug testing was a possibility, and received a list of banned drugs with the "catch-all" phrase, "and all other related drugs," added to the bottom. For this reason, the athletes did not take remedies for their diarrhea or colds, and did not drink Coke, coffee or tea. In the end, no swimmers were tested for drugs.

Red tape hampered the American team

(Continued on page 52)



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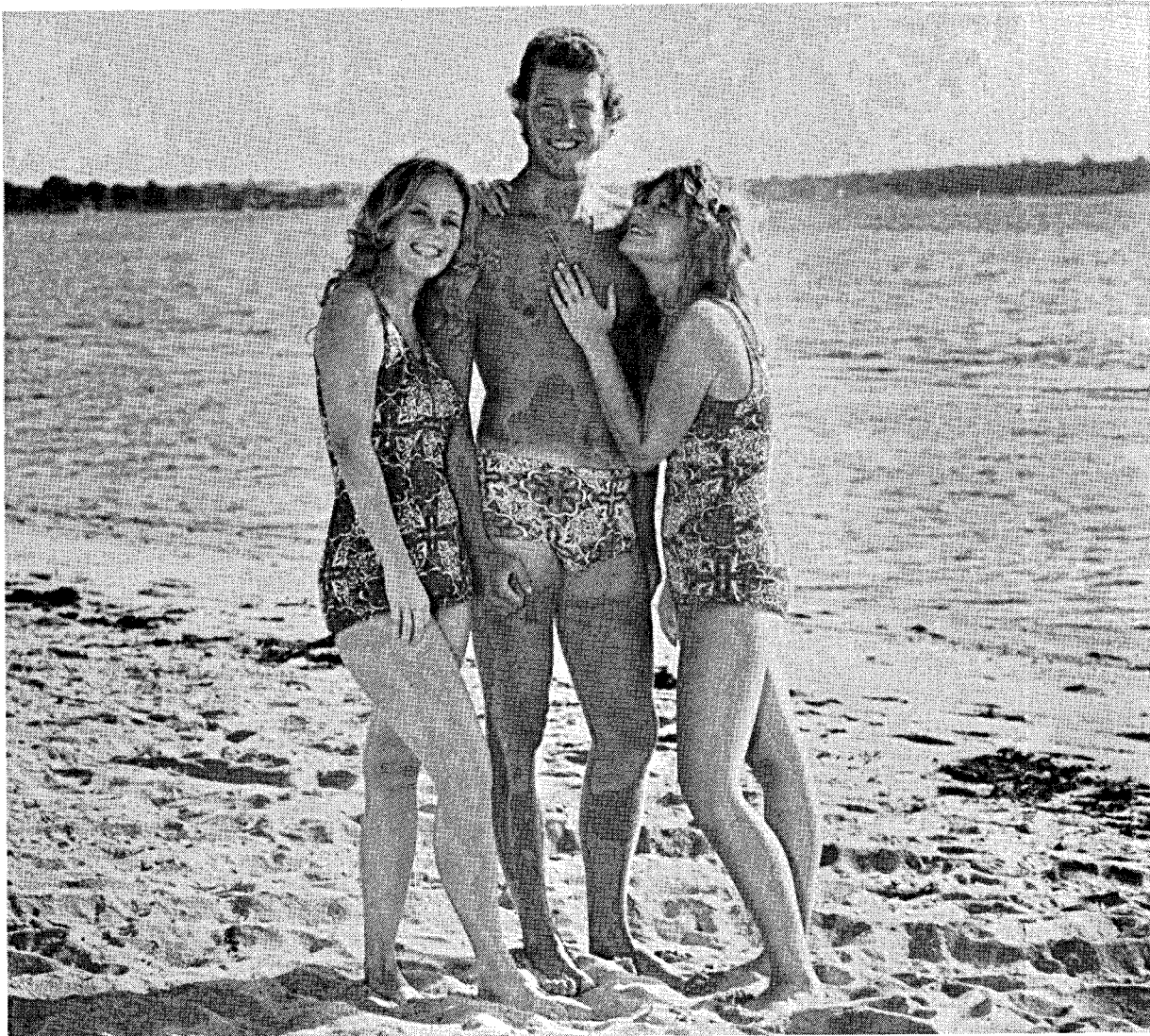
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The struggle for swimming supremacy among the nation's colleges has continued long after the NCAA Championships which were held last March, as the top teams of last year carry on their vicious battle in the college recruiting wars.

And as the high school All-Americans enroll in their first year of college, it's the same old story — the rich are getting richer.

Nearly 400 swimmers earned All-American honors last season and over three-quarters of these swimmers will be attending college this fall. Getting the cream of the crop are Indiana, USC, UCLA and Washington. Second-place Tennessee didn't do as well in the recruiting battle, but they'll have a lot of returning talent.

Again, Indiana University, defending NCAA champion for an unprecedented six consecutive years, has gathered an impressive group of incoming freshmen. Coach "Doc" Counsilman will be greeting six of the finest freshmen swimmers in the nation.

Heading the list is Jim Montgomery of Madison East High School in Madison, Wisconsin, who had impressive wins this summer at the U.S. Outdoor Nationals and who won five gold medals at the World Championships in Belgrade. Teammates Charlie Keating and Bill Schulte of St. Xavier High School in Cincinnati, Ohio will also join the Hoosier squad. Keating was third ranked among high schoolers in the breaststroke, while Schulte set a national 100 yard backstroke record, 51.9, leading the high school listings.

Rounding out the incoming freshmen are Rich Bailey, Bethlehem Central High School, Delmar, N.Y.; Mark Antonoff, Downers Grove South High School, Downers Grove, Ill.; and Terry Faulkenberry, Gaithersburg High School, Gaithersburg, Md.

Runnerup Tennessee will be a strong contender at the NCAA's again this year, but they'll be doing it on the strength of their returning stars. In the recruiting wars, the Vols really didn't get too many people, however, they'll have the services of Bill Rodriguez, a JC transfer from Monterey, Calif. Among their incoming freshmen All-Americans include Kevin Dunworth,

Dearborn High School, Michigan and John Vogel, Memorial High School, Houston, Texas.

The University of Southern California's new freshmen will help to put the pressure on Indiana's bid for a seventh straight championship. Coach Peter Daland's Trojans have been runnerup to Indiana for the last four out of five years in the NCAA championships, and finished third behind Tennessee in last year's championships at Knoxville.

Top high school sprinter Joe Bottom of Santa Clara High School, Santa Clara, California will enter USC after a successful summer at the World Championships. Internationally ranked backstroker John Naber, who came home with a bronze medal in the 200 back at the World Championships, will be making the trip down from Woodside High School in Menlo Park, California. John was also the national champion in the 100 and 200 back in the AAU Short Course Nationals last April.

The Trojans will also be greeting 400 IM silver medal winner from the World Championships, Rod Strachan of Foothill High in Anaheim, Calif.

Also enrolled are Greg Womble, Lodi High School, Lodi, California; Rod Stewart, Wilson High School, Tacoma, Washington; and Sandy Stein, Lawrenceville School, Lawrenceville, New Jersey.

UCLA's Bruins, who finished fourth in the NCAA's last year, have garnered 11 hopeful prospects including top breaststroker Bruce Krumpholz, Corona Del Mar High School, Newport Beach, California. Also joining Bob Horn's Bruins are Jim Helm, Las Lomas High School, Walnut Creek, California; Bill Adkison, Lynbrook High School, Sunnyvale, California; Jim Hamilton and Chris Dale, Palo Alto High School, Palo Alto, California; Tom Blanchard, Vacaville High School, Pleasant Hills, California; Jeff Stites, Menlo-Atherton High School, Menlo Park, California; and Bernie Vogel, Gregg Fiscalini and Jim Fitzpatrick, Bellarmine High School, San Jose, California.

In addition to seven All-Americans, the University of Washington also garnered Olympians and 1973 World

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Champions Rick Demont of Terra Linda, California and Robin Backhaus, Redlands, California to add to their list of impressive new freshmen. Others include Darryl Face, Wilson High School, Tacoma, Washington; Bill Patterson, Arcadia High School, Arcadia, California; Randy Sauro, Clover Park High School,

Tacoma, Washington; Michael Ainslie, David Douglas High School, Portland, Oregon; Steve Tallman, Buena High School, Ventura, California; James Walters, Evergreen High School, Seattle, Washington; and Olympian Doug Northway, Sahuaro High School, Tucson, Arizona.

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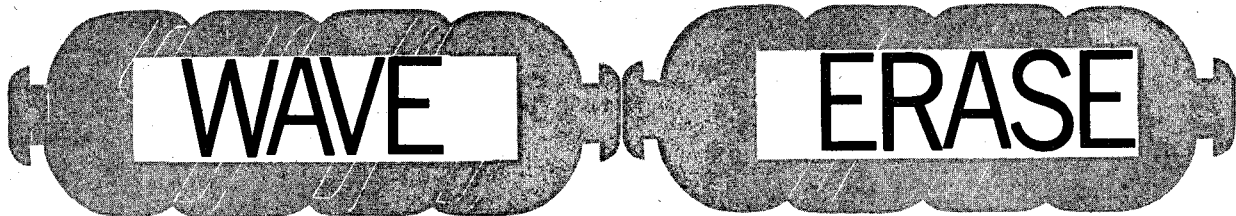
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 Mark Rheinehart '74
 Serra H.S.
 San Mateo, Calif.
 Lee Rider '74
 Lynbrook H.S.
 Sunnyvale, Calif.
 Carl Rieger '74
 Abington H.S.
 Abington, Pa.
 Todd Ritter '75
 Lake Oswego H.S.
 Lake Oswego, Calif.
 Tom Roos '74
 Pioneer H.S.
 Ann Arbor, Mich.
 Bruce Sawhill '75
 Rochester Adams H.S.
 Rochester, Mich.
 Mark Schuman '74
 Abington H.S.
 Abington, Pa.
 Eric Schwotzer '74
 Peters Township H.S.
 McMurray, Pa.
 Bob Sells '74
 Wauwatosa West H.S.
 Wauwatosa, Wis.
 James Shanel '75
 Fenwich H.S.
 Oak Park, Ill.
 Tim Shaw '74
 Wilson H.S.
 Long Beach, Calif.
 David Shepherd '74
 Mercersburg Academy
 Mercersburg, Pa.
 Chris Shipp '75
 Dearborn H.S.
 Dearborn, Mich.
 Douglas Shore '74
 North Hills Senior H.S.

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 York, Pa.
 Marty Smith '74
 Hinsdale Central H.S.
 Hinsdale, Ill.
 Don Spicer '74
 Sunny Hills H.S.
 Fullerton, Calif.
 Peter Spurzem '75
 Foothill H.S.
 Santa Ana, Calif.
 Paul Steck '74
 Newark Academy
 Newark, N.J.
 Dan Stephenson '75
 Pioneer H.S.
 Ann Arbor, Mich.
 Matt Sullivan '74
 Serra H.S.
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 Bertil Svensson '75
 exchange student
 Sweden
 Paul Sweeney '74
 Warren Travis White H.S.
 Dallas, Tex.
 Stewart Tedford '74
 Pine Crest
 Ft. Lauderdale, Fla.
 Rick Thomas '74
 Punahou School
 Honolulu, Ha.
 Robert Vanderloo '74
 Dubuque H.S.
 Dubuque, Iowa
 Andy Veris '74
 New Trier West H.S.
 Northfield, Ill.
 Tim Wallace '74
 St. Andrews
 Florida
 Mark Walters '73
 Abington H.S.

Abington, Pa.
 Bob Wardell '74
 Peddie School
 Hightown, N.J.
 Bruce Washburn '74
 Pine Crest
 Ft. Lauderdale, Fla.
 Steve Weisser '75
 Andrew Jackson H.S.
 South Bend, Ind.
 Kirk Wentland '75
 Lodi H.S.
 Lodi, Calif.
 Keith Willis '74
 Foothill H.S.
 Santa Ana, Calif.
 Chris Woo '76
 Punahou School
 Honolulu, Ha.
 Owen Wroblewski '75
 Lynbrook H.S.
 Sunnyvale, Calif.
 Brian Wylie '74
 Pioneer H.S.
 Ann Arbor, Mich.
 Rick Yasky '74
 Liverpool H.S.
 Liverpool, N.Y.
 Bob Young '73
 Cherry Creek H.S.
 Englewood, Colo.

SYNCHRO (Cont'd. from page 32)

Teresa Andersen and Gail Johnson swam well and demonstrated the strength of the American program by outscoring JoJo Carrier and Mado Ramsay of Canada 46.50 to 44.50 in the finals. With a 3.474 lead going into the routine competition, Andersen and Johnson captured the Duet title with little difficulty. One of the most impressive routines of the competition, however, was the routine program performed by two petite Japanese sisters, Makako and Yasuko Fujiwara. These two little dolls captured the hearts of the Yugoslavian crowds as well as the judges as they tied the Canadian duet in this section of the competition. Liesbeth Wouda and Monique Gerritsen of Holland finished fourth. Pepita Sanchez and Eva Govezensky of Mexico placed a surprising fifth with Jennifer Lane and Doris Davis trailing with 91.142.

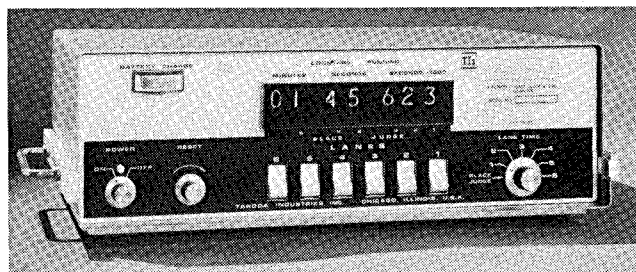
Tuesday, September 4, 1973 — TEAM COMPETITION

The last day of synchronized swimming competition saw the United States complete its sweep of the competition in Belgrade by capturing the Team routine competition. After a twenty minute delay during the finals due to a power failure that had the entire Tasmajdan Indoor and Outdoor Pool in complete darkness, during which time, spectators from Holland, Great Britain, France and Germany began to sing their respective national songs, Holland picked-up the competition when the lights came back on, scoring 96.645. The United States captured the team competition receiving 9.5, 9.5, 9.5, 10, 9.5, 9.5, 9.5 from the judges with a final score of 117.617. Canada finished second with 112.918 and Japan third with 107.311. Japan, Mexico, Great Britain and Holland all were tied in the routine competition with only the stunt score determining the final placings that had Mexico fourth, Great Britain fifth, and Holland sixth. Great Britain filed a protest following the Team Competition due to a change of lighting during the progress of the competition. The protest was denied since no competitor gained an advantage nor were any competitors placed at a disadvantage. However, the results of the Team Competition were delayed eight hours due to the protest.

The final point totals in the team standings are as follows: USA 45; Canada 35; Japan 30; Holland 21; Mexico 18; Great Britain 17; France 10; Germany 5; Australia and Sweden 2.

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By Dennis Matuch



In the 3rd Professional Swim race of the '73 season, the 25 mile Lake St. John marathon, a spectacular finish and record were recorded by Horatio Iglesias of Argentina and Ossama Rashad of the United Arab Republic — both of whom finished the 25 mile race in a dead heat, in a time of 8:20:43. This broke the old record of 8:27 set by Herman Willemse of Holland in the 1967 Lake St. John marathon.

A surprise 3rd place finish by Argentine newcomer, Claudio Plitt, was the most unexpected surprise of the race. His time of 8:25:30 was also under the former record. Claudio, only 19 and in his 2nd Pro-race, is expected to be one of the top contenders in Pro-Swimming for years to come.

The best American finisher was Jon Erikson of Chicago, Illinois. He finished in 10th position in a time of 8:58.7. The next best American placer was Diana Nyad of Ft. Lauderdale. Twenty-three year old Diana finished in 13th position over all, and was second in the women's division to Corrie Dixon of Holland. Corrie finished in 9:02:39, only 2 minutes, 29 seconds in front of Diana.

In contrast to last year's St. John race where only 3 swimmers finished under the 12 hour time limit due to cold 58° water and 6 and 8 foot waves, this years 75° water and mirror like surface enabled 20 swimmers out of the 23 starters to finish the race in good form. Officials of the race said the lake this year was by far the calmest in the 19 year history of the Lake St. John International 25 mile professional swim.

The last professional swim of the pro-circuit, and probably the most outstanding by far of any pro-swim race in the last 5 years, was the 10 mile open water race held in Lake Michigan off Navy Pier — directly in front of Chicago's beautiful and stylish Gold coast.

Johan Schans of Holland broke his own world's record of 4:01:35 by 2 minutes and 10 seconds, when he sprinted in at 78 strokes per minute on his last mile to record a new world's record of 3:59:25 for the 10 mile event. Schans never led the race until the 6th mile, sitting in 6th place, 50 yds. behind a pack of 5 swimmers for the first 3 miles, and staying with Dennis Brittain of Houston, Texas, when Dennis sprinted 50 yds. ahead of the other 4 swimmers he was sharing the lead with, which he then held for the 4th and 5th mile. Brittain gained the 50 yds. on every other competitor except Schans, who again stayed 50 yds. behind

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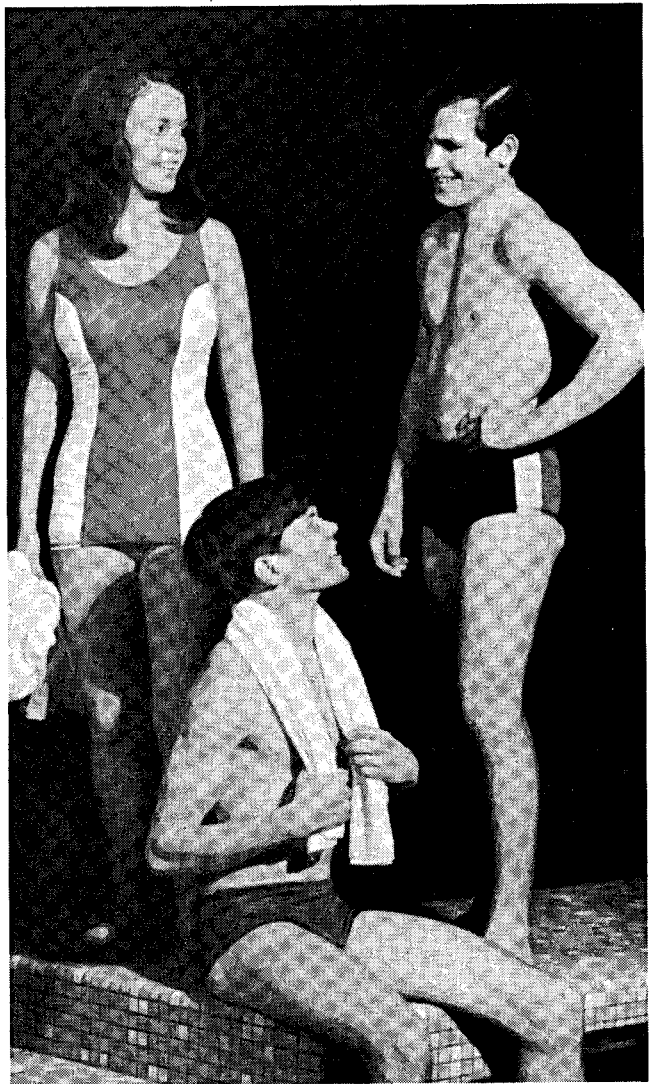
Brittain on his 4th and 5th mile. Schans then had a large feeding of glucose and tea at the end of his 5th mile, and when Schans came around on his 6th mile, he was in front of Brittain by 50 yds., at the 7th mile Schans was 100 yds. ahead of his next competitor and increased his lead slowly after that, to where he finished the race almost 200 yds. ahead of his next competitor. Schans swam the fastest 10 mile pro-swim ever, and in alot of pro-swimming coaches and competitors thinking, also swam one of the smartest races ever.

After the race, with Schans having been awarded the large Sam Greller Memorial Trophy and a check for \$3,000, Schans said he would be back next year to compete in a proposed 15 mile race, that is now being planned by Colonel Reilley, Mayor Daley's special events director for the city of Chicago. Colonel Reilley received praise by the swimmers and spectators for his excellent organizing and directing of the first Chicago Lakefront Festival Marathon Swim.

A surprise 2nd place was posted by Sandra Bucha of Hinsdale, Illinois. In her first Pro-Swim and competition over 1500 meters, she was 1 second under the former world's record and collected \$2,000 for second place. Third place went to Claudio Plitt of Argentina in 4:07:27 and fourth place to Horatio Iglesias of Argentina in the time of 4:08:9. Both of these men passed up Dennis Brittain of the U.S. who was ahead of them for 9½ miles, Brittain finishing 5th in 4:10:20.

The big disappointment of the swim was the poor showing of the UAR professional swim team. They had 8 of their finest competitors in the race, but 19 year old Ossama Rashad could only manage to finish in 7th place. In the last three races Ossama had been first twice and tied for first once. El Soussi, head coach, said that three weekends of competition before this race and three days with no practice (waiting for their visas in Montreal) really took their toll of the energy and strength of these swimmers.

Out of the original 60 entrants in this 10 mile swim, 31 swimmers showed up and began the race. Nineteen swimmers completed the entire race in the flat 75° water of Lake Michigan. Over \$12,000 in cash prizes were given out to the competitors of this very successful swimming event for the city of Chicago.



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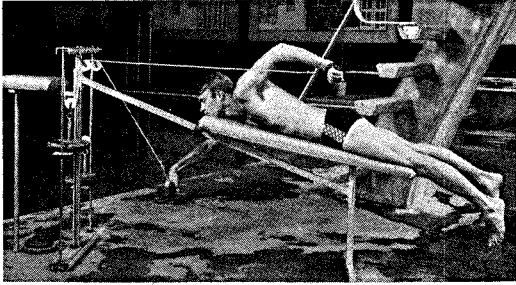
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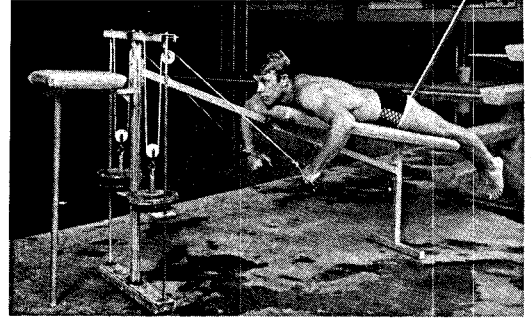
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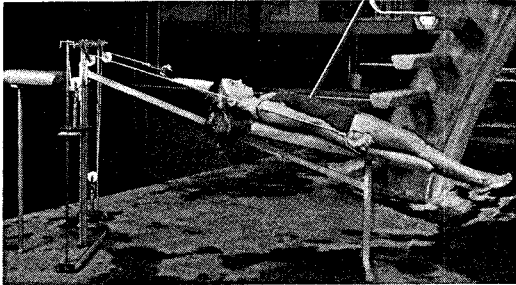
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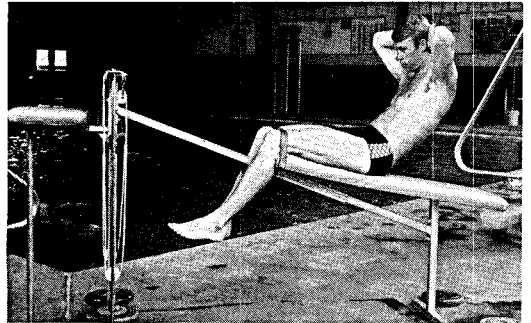
CONDITIONING



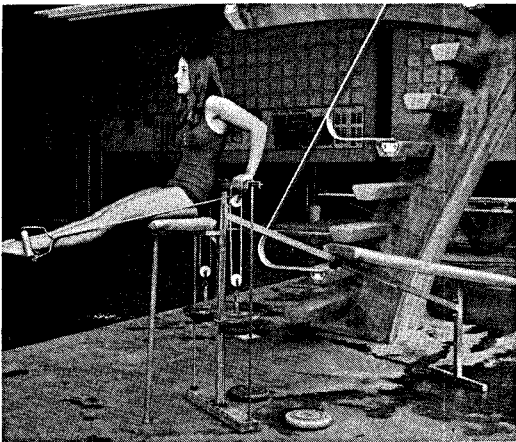
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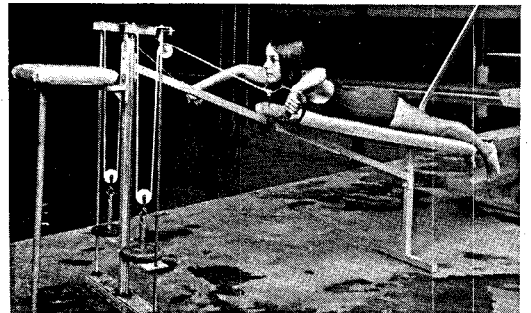


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GIRLS

10 & Under
50 YD FREESTYLE
Judy Scovel, LTAC 30.8
Kelli Troupe, WAT 31.7
Paula Witner, Saly 32.0
Heidi Cribbs, SCSC 32.0

100 YD FREESTYLE
Judy Scovel, LTAC 1:07.9
Any Lefel, SCSC 1:10.4
Kelli Troupe, WAT 1:10.4
Susan Stahl, CAB 1:10.4

200 YD FREESTYLE
Judy Scovel, LTAC 2:25.8
Gail Young, Pied 2:30.3
Gwen Browning, Cam 2:32.0

50 YD BACKSTROKE
Cindy Brisbin, Pied 36.6
Paula Witner, Saly Y 38.1
Emily Link, CAB 39.7

100 YD BACKSTROKE
Kelli Troupe, WAT 1:18.2
Gwen Browning, CAM 1:22.5
Emily Link, CAB 1:24.4

50 YD BREASTSTROKE
Kelli Troupe, WAT 39.6
Norene China, Pied 39.6
Paula Witner, Saly Y 39.8

100 YD BREASTSTROKE
Kelli Troupe, WAT 1:26.5
Judy Scovel, LTAC 1:27.1
Veronica Pal, SCSC 1:29.0

50 YD BUTTERFLY
Cindy Brisbin, Pied 34.1
Any Lefel, SCSC 35.9
Any Harper, WAT 37.5
Laura Carter, ESSC 37.6

100 YD BUTTERFLY
Siri Hughes, Pied 1:25.3
Stacey Dillingham, Saly 1:26.0
Clare Ham, SLST 1:27.8
Cissy Fenton, SCSC 1:27.8

100 YD INDIVIDUAL MEDLEY
Cindy Brisbin, Pied 1:16.4
Kelli Troupe, WAT 1:16.7
Veronica Pal, SCSC 1:19.9

200 YD INDIVIDUAL MEDLEY
Gwendolyn Browning, Cam 2:48.6
Judy Scovel, LTAC 2:49.2
Veronica Pal, SCSC 2:50.3

11-12
50 YD FREESTYLE
Stacie LaRiviere, SCSC 27.3
Laura MacDonald, SCSC 28.2
Jackie VanLeer, Cam 29.1

100 YD FREESTYLE
Stacie LaRiviere, Un 59.3
Laura MacDonald, SCSC 1:01.2
Carol Busch, WAT 1:03.2

200 YD FREESTYLE
Ann Tench, SCSC 2:09.2
Robin Siminoe, SCSC 2:15.2
Kim Lefel, SCSC 2:15.5

50 YD BACKSTROKE
Lori Bottom, SCSC 32.6
Stacey Walnt, LSC 34.2
Donnary Crouch, ESSC 34.2

100 YD BACKSTROKE
Lori Bottom, SCSC 1:12.1
Ann Tench, SCSC 1:13.6
Linda Janitsch, Cam 1:13.9

50 YD BREASTSTROKE
Katharine Wood, WAT 37.0
Hillary Woodworth, Cam 37.2
Arden Sheets, LTAC 37.4

100 YD BREASTSTROKE
Katharine Wood, WAT 1:19.3
Hillary Woodworth, Cam 1:20.7
Melanie Cribbs, SCSC 1:21.5

50 YD BUTTERFLY
Laura MacDonald, SCSC 30.9
Stacie LaRiviere, Un 31.0
Linda Janitsch, Cam 31.9

100 YD BUTTERFLY
Ann Tench, SCSC 1:08.0
Stacie LaRiviere, Un 1:10.1
Linda Janitsch, Cam 1:10.8

100 YD INDIVIDUAL MEDLEY
Laura MacDonald, SCSC 1:11.4
Lori Bottom, SCSC 1:11.6
Stacie LaRiviere, Un 1:12.2

200 YD INDIVIDUAL MEDLEY
Ann Tench, SCSC 2:29.1
Robin Siminoe, SCSC 2:35.6
Nancy St.Croix, SCSC 2:37.3

100 YD FREESTYLE
Lori Ciabattari, SCSC 57.7
Sara Peterson, SCSC 58.3
Jeanne Hendrickson, SCSC 58.3

200 YD FREESTYLE
Lori Ciabattari, SCSC 2:02.1
Linda Wood, SCSC 2:02.2
Sue Krueger, SCSC 2:09.8

50 YD FREESTYLE
Lori Ciabattari, SCSC 519.2
Linda Wood, SCSC 519.2
Harry Kirkpatrick, SCSC 519.2

100 YD FREESTYLE
Meg Gerken, SCSC 1:04.8
Sara Peterson, SCSC 1:07.5
Becky Barrett, SCSC 1:08.0

200 YD FREESTYLE
Julie Kriennek, SCSC 2:17.6
Meg Gerken, SCSC 2:17.0
Cindy Smith, SCSC 2:32.1

100 YD BACKSTROKE
Toni Penhasi, SCSC 1:13.0
Jody Tatro, SCSC 1:15.2
Cindy Valacer, SCSC 1:15.6

200 YD BACKSTROKE
Toni Penhasi, SCSC 2:36.5
Cindy Valacer, SCSC 2:39.7
Jody Tatro, SCSC 2:46.0

50 YD BUTTERFLY
Julie Kriennek, SCSC 1:00.9
Meg Gerken, SCSC 1:02.8
Becky Barrett, SCSC 1:04.1

100 YD BUTTERFLY
Julie Kriennek, SCSC 2:11.8
Cindy Emanuels, SCSC 2:29.9
Tessa Elson, SCSC 2:32.4

200 YD INDIVIDUAL MEDLEY
Toni Penhasi, SCSC 2:20.7
Becky Barrett, SCSC 2:21.3
Lori Ciabattari, SCSC 2:25.2

100 YD INDIVIDUAL MEDLEY
Toni Penhasi, SCSC 4:55.8
Meg Gerken, SCSC 4:57.5
Lori Ciabattari, SCSC 5:02.7

15-17
50 YD FREESTYLE
Kelly Rowell, SCSC 25.9
Amie Brozda, SCSC 27.8
Cindy Loney, Linc 28.2

100 YD FREESTYLE
Kelly Rowell, SCSC 55.8
Sandy Thompson, SCSC 56.4
Dee Cribbs, SCSC 57.3

200 YD FREESTYLE
Kelly Towell, SCSC 1:57.8
Theresa MacDonald, SCSC 2:00.4
Mary Hendrickson, SCSC 2:03.2

50 YD BACKSTROKE
Kelly Rowell, SCSC 5:08.7
Theresa MacDonald, SCSC 5:20.2
Sandy Thompson, SCSC 5:21.9

100 YD BACKSTROKE
Theresa MacDonald, SCSC 1:04.5
Melanie Hitch, WAT 1:10.0
Jo Ann Guerrero, Cam 1:15.2

200 YD BACKSTROKE
Melanie Hitch, WAT 2:27.1
Kim Scovel, LTAC 2:31.2
Sharon Gordon, Cam 2:44.3

50 YD BUTTERFLY
Janet Cochran, WAT 1:12.5
Suzanne Wood, SCSC 1:14.5
Linda Kirkpatrick, SCSC 1:16.8

100 YD BUTTERFLY
Sandy Thompson, SCSC 1:03.6
Cindy Loney, Linc 1:07.2
C. Shackelford, SCSC 1:08.0

200 YD BUTTERFLY
Sandy Thompson, SCSC 2:20.2
Amie Brozda, SCSC 2:31.3
Janice Azebu, ESSC 2:35.2

50 YD BREASTSTROKE
Kelly Rowell, SCSC 2:19.2
Theresa MacDonald, SCSC 2:19.9
Janet Cochran, WAT 2:20.4

100 YD BREASTSTROKE
Theresa MacDonald, SCSC 4:52.4
Suzanne Wood, SCSC 4:57.2
Claire Shackelford, Saly 5:03.5

200 YD BREASTSTROKE
BOYS
10 & Under
50 YD FREESTYLE
Ken Wiseman, ESSC 29.8
Matt Lane, ESSC 29.9
Rob Matarangas, Cam 30.1

100 YD FREESTYLE
Bruce Gordon, Pied 1:06.4
Donald Brockhage, ESSC 1:06.7
Rob Matarangas, Cam 1:07.6

200 YD FREESTYLE
Bruce Gordon, Pied 2:23.3
Wayne Welborne, SCSC 2:28.4
Rob Matarangas, Cam 2:29.4

50 YD BACKSTROKE
Dave Bottom, SCSC 32.9
Steve Hatch, SCAT 35.4
Bruce Gordon, Pied 35.5

100 YD BACKSTROKE
Dave Bottom, SCSC 1:12.5
Steve Hatch, SCAT 1:15.1
Steve Hatch, SCAT 1:18.4

200 YD BACKSTROKE
Matt Lane, ESSC 37.4
Ken Wiseman, ESSC 40.2
Tommy Wallace, SCSC 41.6

50 YD FREESTYLE
Matt Lane, ESSC 1:23.1
Steve Hatch, SCAT 1:25.6
Ken Wiseman, ESSC 1:28.3

100 YD FREESTYLE
Dave Bottom, SCSC 30.3
Richie Lane, ESSC 33.2
Matt Lane, ESSC 33.7

200 YD FREESTYLE
Donald Brockhage, ESSC 1:15.8
Wayne Welborne, SCSC 1:18.6
Stephen Pal, SCSC 1:19.2

50 YD BUTTERFLY
Matt Lane, ESSC 1:11.8
Steve Hatch, SCAT 1:13.7
Steve Hatch, SCAT 1:15.7

100 YD BUTTERFLY
Brian James, WAT 2:39.9
Rick Gordon, Cam 2:46.9

11-12
50 YD FREESTYLE
Tim Hamm, SCAT 26.5
John Hendrickson, SCSC 27.2
Randy Armstrong, Un 27.3

100 YD FREESTYLE
Tom Candelaria, SCSC 55.4
Jimmy Koisinski, SCAT 58.2
Jim Forester, MHSC 59.9

200 YD FREESTYLE
Tom Conrad, Pied 31.7
Steve Olson, MHSC 32.5
Tom Conrad, Pied 33.0

50 YD BACKSTROKE
Tom Candelaria, SCSC 1:06.5
Tom Candelaria, SCSC 1:07.1
Tim Hamm, SCAT 1:09.4

100 YD BACKSTROKE
Mark Mosser, ESSC 33.9
Pat Hazel, SCSC 34.0
Brad Kisela, WAT 36.2

200 YD BACKSTROKE
Pat Hazel, SCSC 1:14.6
Mark Mosser, SCSC 1:14.6
John Hendrickson, SCSC 1:15.1

50 YD BUTTERFLY
John Hendrickson, SCSC 27.8
Jim Forester, MHSC 29.8
Mark Mosser, SCSC 31.2

100 YD BUTTERFLY
Uwe Wessbecher, SCSC 1:02.5
Jimmy Kisinski, SCAT 1:07.8
Jim Forester, MHSC 1:09.8

200 YD BUTTERFLY
Tom Candelaria, SCSC 1:04.9
Uwe Wessbecher, SCSC 1:06.0
Tim Hamm, SCAT 1:07.4

50 YD BREASTSTROKE
Tom Candelaria, SCSC 2:18.5
Uwe Wessbecher, SCSC 2:19.5
Jimmy Kosinski, SCAT 2:22.3

13-14
50 YD FREESTYLE
Jack Albertson, WAT 24.2
Lassa Frank, SCSC 24.3
Dennis Bedolla, Saly 24.7

100 YD FREESTYLE
Roy Wessbecher, SCSC 1:51.9
Lassa Frank, SCSC 1:56.2
Jeff Lord, SCSC 2:00.8

200 YD FREESTYLE
Lassa Frank, SCSC 53.1
Jack Albertson, WAT 54.7
Steve Smith, LSC 55.7

50 YD BUTTERFLY
Roy Wessbecher, SCSC 4:55.0
Lassa Frank, SCSC 5:11.6
Jeff Lord, SCSC 5:31.5

100 YD BUTTERFLY
Mike Falstra, SCSC 1:02.0
Jack Albertson, WAT 1:04.8
Dennis Bedolla, Saly 1:05.7

200 YD BREASTSTROKE
Jeff Hunter, SCSC 2:33.6
Vince Vannelli, SCSC 2:34.5
Jeff Little, Saly 2:34.8

50 YD BUTTERFLY
Mike Falstra, SCSC 59.6
Jeff Little, Saly 1:00.5
Vince Vannelli, SCSC 1:00.8

100 YD BUTTERFLY
Roy Wessbecher, SCSC 2:10.1
Brant Lewis, LSC 2:32.4
Gary Mort, SCSC 2:34.2

200 YD INDIVIDUAL MEDLEY
Mike Falstra, SCSC 2:14.0
Vince Vannelli, SCSC 2:17.6
Jeff Hunter, SCSC 2:17.7

400 YD INDIVIDUAL MEDLEY
Roy Wessbecher, SCSC 4:36.8
Jeff Hunter, SCSC 4:53.8
Tate Varela, SCSC 5:21.7

15-17
50 YD FREESTYLE
Steve Austin, WAT 22.3
Rick Gordon, Cam 22.5
Gary Krage, Cam 22.7

100 YD FREESTYLE
Steve Austin, WAT 48.9
Rick Gordon, Cam 50.1
Craig Hardy, SCSC 50.9

200 YD FREESTYLE
Paul Gollenberg, SCSC 1:52.2
Brian James, WAT 1:52.8
Rick Gordon, Cam 1:52.8

50 YD BACKSTROKE
Paul Gollenberg, SCSC 4:59.0
Tim Elson, SCSC 5:06.4
Don Boutry, WAT 5:08.5

100 YD BACKSTROKE
Mary Murphy, WAT 59.6
Steve Austin, WAT 1:00.6
Mitch Thomson, Saly 1:01.3

200 YD BACKSTROKE
Mark Murphy, WAT 2:10.6
Mike Wood, Cam 2:14.1
Barry Fowers, SCSC 2:15.7

50 YD BUTTERFLY
Greg Smith, WAT 1:03.1
Gordy Smith, SCSC 1:03.5
Gary Krage, Cam 1:04.2

100 YD BUTTERFLY
Gordy Smith, SCSC 2:17.3
Greg Smith, WAT 2:19.2
Gary Krage, Cam 2:20.1

200 YD BUTTERFLY
John Cleveland, WAT 55.6
Rick Gordon, Cam 57.3
Steve Siddmore, WAT 57.7

50 YD BREASTSTROKE
Paul Gollenberg, SCSC 2:02.8
Bertil Svensson, WAT 2:06.4
Gary Krage, Cam 2:07.0

100 YD BREASTSTROKE
Gordy Smith, SCSC 2:04.9
Steve Siddmore, WAT 2:09.1
Greg Jensen, WAT 2:19.3

200 YD BREASTSTROKE
Paul Gollenberg, SCSC 2:02.8
Bertil Svensson, WAT 2:07.0

50 YD INDIVIDUAL MEDLEY
Gordy Smith, SCSC 2:04.9
Steve Siddmore, WAT 2:09.1
Greg Jensen, WAT 2:19.3

HOHI KAI "B" MEET
Santa Clara, Cal.
May 26-27, 1973 25 yd Pool

GIRLS
8 & Under
50 YD FREESTYLE
Jennifer Petty, WAT 17.1
Kim Kanas, LTAC 18.2
Julie Briselden, IM 18.4
Amy Thornberry, SLCC 18.4

100 YD FREESTYLE
Kim Kanas, LTAC 40.9
Suzy Meckenstock, WAT 40.9
Kathy Youne, SCSC 42.1

200 YD FREESTYLE
Suzy Meckenstock, WAT 20.7
Madene Chin, Pied 20.8
Robin Sterzer, WAT 22.1

50 YD BACKSTROKE
Michelle Leitchman, Pied 22.7
Jennifer Petty, WAT 22.9
Lisa Hines, CCS 23.2

100 YD BACKSTROKE
Tracy Stefles, Pied 19.7
Susie Gautsch, LTAC 21.2
Kathy Youne, SCSC 21.2

200 YD BACKSTROKE
Feanat Carter, ESSC 1:15.4
Marcia Hunter, HK 1:16.8
Lekle Wlasveld, SCSC 1:17.3

50 YD FREESTYLE
Jill Johnson, Pied 40.1
Cathy Styczynski, SLST 41.5
Marcia Hunter, HK 41.7

100 YD FREESTYLE
Amy Harper, WAT 1:25.0
Jill Johnson, Pied 1:22.0
Tina Gri, HK 1:21.6

200 YD FREESTYLE
Kim Pullin, WAT 42.8
Emily Link, CAB 43.0
Cathleen Reynolds, IM 43.0

50 YD BACKSTROKE
Emily Link, CAB 1:33.7
Cathleen Reynolds, IM 1:31.8
Susi Steiner, MHSC 1:36.0

100 YD BACKSTROKE
Jill Johnson, Pied 38.7
Susan Petty, WAT 40.9
Celia Stahr, WSCC 41.6

200 YD BACKSTROKE
Cathy Styczynski, SLST 1:21.7
Kim Pullin, WAT 1:25.6
Terri Baker, LTAC 1:25.7

50 YD BREASTSTROKE
Emily Link, CAB 2:59.9
Nathy Candelaria, SCSC 3:00.8
Amy Harper, WAT 3:06.0

11-12
50 YD FREESTYLE
Sarah Griffith, SCSC 29.5
Jamie Harper, WAT 30.3
Laura Shirona, SCSC 30.3

100 YD FREESTYLE
Frenda Hesse, LSC 1:01.8
Frenda Hesse, LSC 1:05.9
Laura Surber, Pied 1:07.7

200 YD FREESTYLE
Sarah Griffith, SCSC 2:18.1
Laura Shirona, SCSC 2:22.8
Earl Ostedahl, SCSC 2:23.3

50 YD BACKSTROKE
Linda Lincum, SCSC 36.2
Nancy Firsich, SCSC 37.3
Holly Riley, Pied 37.3

100 YD BACKSTROKE
Jamie Harper, WAT 1:19.2
Sandy Hesse, LSC 1:19.7
Laura Shirona, SCSC 1:20.0

200 YD BACKSTROKE
Holly Riley, Hill 38.3
Ann Chionio, WAT 39.7
Cheryl Johnson, Pied 39.8

50 YD BUTTERFLY
Holly Riley, Hill 1:25.1
Mimi Fehasi, SCSC 1:25.9
Cindy Black, Cam 1:26.1

100 YD BUTTERFLY
Jamie Harper, WAT 32.9
Audrey Azebu, SCSC 34.7
Neredith Williams, WAT 35.0

200 YD BUTTERFLY
Jamie Harper, WAT 1:16.4
Neredith Williams, WAT 1:17.2
Lia Fischer, Pied 1:20.0

50 YD BREASTSTROKE
Cindy Black, Cam 2:16.8
Laura Shirona, SCSC 2:17.0
Mimi Fehasi, SCSC 2:17.1

13-14
50 YD FREESTYLE
Mary Ellen Nor, MHSC 28.6
Melanie Watson, HK 29.2
Shelley Atlas, Un 29.3

100 YD FREESTYLE
Santi Steiner, WAT 1:02.6
Mary Ellen Nor, MHSC 1:03.9
Mary Fenton, SCSC 1:04.5

200 YD FREESTYLE
Jennifer Hazel, SCSC 1:14.4
Mary Ellen Nor, MHSC 1:15.7
Ivyne Volt, SCS 1:16.0

50 YD BACKSTROKE
Santi Steiner, MHSC 1:22.0
Sue Krueger, SCSC 1:24.4
Martine Hlaszczyk, ESSC 1:24.7

100 YD BACKSTROKE
Mary Wlowski, SCSC 1:12.7
Santi Steiner, Hill 1:17.1
Mary Ellen Nor, MHSC 1:18.0

200 YD BACKSTROKE
Mary Wlowski, SCSC 2:35.3
Mary Fenton, SCSC 2:42.2
Mary Ellen Nor, MHSC 2:43.8

Table with multiple columns containing names, event categories, and numerical values (likely times or scores). Includes sections like '100 YD FREESTYLE', '50 YD FREESTYLE', and '25 YD BUTTERFLY'.

500 YD FREESTYLE

Table with 2 columns: Name and Time. Includes Brenda Scott, SCAT (5:10.12), Eve Quny, Un (5:51.83), Margaret Mackey, Spar (5:57.67), etc.

BOYS

Table with 2 columns: Name and Time. Includes 8 & Under (30.91), Richie Lane, ESSC (31.16), Maris Laipeneks, SMAC (32.78), etc.

9-10

Table with 2 columns: Name and Time. Includes Glenn Fleisher, MAC (1:00.81), Steven Kahl, Spar (1:03.30), David Lehmann, AQB (1:03.58), etc.

11-12

Table with 2 columns: Name and Time. Includes Tom Candelaria, SCSC (1:57.44), Uwe Wessbocher, SCSC (2:01.89), Kirk Jensen, AQB (2:07.41), etc.

13-14

Table with 2 columns: Name and Time. Includes Mike Keck, MAC (1:56.59), Jeff Lord, SCSC (1:58.22), Kirk Dawson, LOAC (2:00.40), etc.

200 YD BUTTERFLY

Table with 2 columns: Name and Time. Includes Joey Hallowsay, SRJ (2:13.66), John Tiedemann, LOAC (2:13.69), Jim Candelaria, SCSC (2:18.69), etc.

15-17

Table with 2 columns: Name and Time. Includes Tim Elson, SCSC (1:54.46), Jim Turnbull, LOAC (1:56.27), Josh Bernstein, PST (1:56.81), etc.

REDDING A-AA LONG COURSE MEET

Redding, Calif. June 30, July 1, 1973 50 M Pool

GIRLS

Table with 2 columns: Name and Time. Includes 8 & Under (36.2), T. Baxter, PASC (36.4), V. Davidson, MDSC (39.0), etc.

9-10

Table with 2 columns: Name and Time. Includes D. Davidson, MDSC (32.3), K. Outrell, WMAT (32.6), J. Heimburg, AST (33.0), etc.

11-12

Table with 2 columns: Name and Time. Includes S. Davidson, MDSC (39.3), K. Outrell, WMAT (40.7), S. Habernigge, MUAC (40.7), etc.

13-14

Table with 2 columns: Name and Time. Includes J. Simmons, CAJ (1:04.3), J. Shirley, AH (1:04.5), N. Hansen, DA (1:07.4), etc.

50 M BUTTERFLY

Table with 2 columns: Name and Time. Includes J. Simmons, CAJ (31.1), M. Stier, AST (31.6), K. Massola, WVM (33.7), etc.

13-14

Table with 2 columns: Name and Time. Includes M. Stier, AST (1:06.1), B. Blalock, AH (1:06.2), C. Sosnoff, CAJ (1:07.8), etc.

15-17

Table with 2 columns: Name and Time. Includes D. Wynn, PASC (1:03.3), L. Seger, PSC (1:03.5), J. Creary, MUAC (1:04.4), etc.

BOYS

Table with 2 columns: Name and Time. Includes 8 & Under (58.3), J. Daniels, AST (58.7), M. Bullier, MUAC (59.1), etc.

9-10

Table with 2 columns: Name and Time. Includes K. Donahue, DA (31.0), J. Engs, RAC (31.2), S. Mefford, AH (31.5), etc.

11-12

Table with 2 columns: Name and Time. Includes J. Engs, RAC (31.2), S. Mefford, AH (31.5), M. Moran, LOAC (31.7), etc.

100 M FREESTYLE

Table with 2 columns: Name and Time. Includes P. Sims, SRN (1:02.0), D. Pole, MVD (1:04.9), M. Brom, Gord (1:05.0), etc.

15-17

Table with 2 columns: Name and Time. Includes G. Shortley, AH (1:26.0), K. Hanna, AH (1:26.4), T. Peyton, AH (1:28.5), etc.

13-14

Table with 2 columns: Name and Time. Includes B. Paulus, MUAC (1:00.5), E. Bunje, PASC (1:01.2), B. Shortley, AH (1:01.3), etc.

15-17

Table with 2 columns: Name and Time. Includes S. Wanaka, MUAC (58.3), J. Daniels, AST (58.7), M. Bullier, MUAC (59.1), etc.

11-12

Table with 2 columns: Name and Time. Includes J. Kingery, MUAC (1:07.1), J. Kingery, MUAC (1:07.4), M. Mahoney, AST (1:07.9), etc.

200 M FREESTYLE

Table with 2 columns: Name and Time. Includes F. Gollender, MUAC (2:52.1), D. Daniels, PSC (2:52.9), T. McArdo, Redd (2:55.9), etc.

15-17

Table with 2 columns: Name and Time. Includes G. Shortley, AH (2:18.6), M. Brom, Gord (2:18.7), B. Lyle, ARP (2:23.2), etc.

13-14

Table with 2 columns: Name and Time. Includes E. Bunje, PASC (1:18.9), F. Gollender, MUAC (1:20.1), B. Placsek, MAC (1:21.0), etc.

15-17

Table with 2 columns: Name and Time. Includes S. Wanaka, MUAC (2:06.1), C. Daniels, AST (2:09.8), M. Palstra, SCSC (2:27.8), etc.

11-12

Table with 2 columns: Name and Time. Includes J. Kingery, MUAC (1:07.1), J. Kingery, MUAC (1:07.4), M. Mahoney, AST (1:07.9), etc.

400 M FREESTYLE

Table with 2 columns: Name and Time. Includes Elaine Glenn (15) MDSC (19:13.5), Tessa Elson (13) SCSC (19:26.6), Ann Tench (12) SCSC (19:27.9), etc.

15-17

Table with 2 columns: Name and Time. Includes G. Shortley, AH (1:13.5), D. Cunningham, Un (1:16.7), B. Lyle, ARP (1:16.7), etc.

13-14

Table with 2 columns: Name and Time. Includes E. Bunje, PASC (1:18.9), F. Gollender, MUAC (1:20.1), B. Placsek, MAC (1:21.0), etc.

15-17

Table with 2 columns: Name and Time. Includes S. Wanaka, MUAC (2:06.1), C. Daniels, AST (2:09.8), M. Palstra, SCSC (2:27.8), etc.

11-12

Table with 2 columns: Name and Time. Includes J. Kingery, MUAC (1:07.1), J. Kingery, MUAC (1:07.4), M. Mahoney, AST (1:07.9), etc.

Off Season Conditioning

The Totem Lake Swim Team is a new, developing team. Like any new team, it has strong and weak age groups and in our case, approximately 30 percent more girls than boys. This sex membership difference is because of the strong boys soccer program in our area. This year we are offering workouts for these younger boys that will not conflict with their soccer turnouts or games. One of our greatest assets for a new team is the strong group of senior swimmers that came with me from Cascade Swim Club to form the new Totem Lake Swim Team. Their leadership and example has certainly been inspiring to our younger swimmers.

I was requested to outline the dry land weight program we use in early season training and development. Like many other coaches, I become bored doing the same thing season after season. It is quite obvious that the swimmers feel the same way. This request has prompted me to think more about our coming season. Instead of discussing our exercises of the past, I will outline the program we will follow this year, consisting of activities that have worked well in the past and new ideas that have developed through discussion with other coaches and my own imagination. I dream up many of the workouts and team activity while I am working out myself. During a run or swim workout the proper mood prevails for such thinking.

Unlike many of the stronger California Age Group-Senior teams, we begin our winter season the third week of September. There are several reasons for this early date:

- Age groupers and some seniors have had about 1½ months rest from competitive swimming by this time and if you don't keep them consistently active in the program other activities of interest will develop and become a conflict to the swimming schedule.

- Our senior will peak for a major effort in early December pointing toward national standards followed by a week lay-off and then building again a continued effort toward Regional and National Championships. The age groupers point toward the Pacific Northwest Age Group Championships in April.

This Fall, beginning Monday, September 17th, three Totem Lake ability groups reported to the track at 4 p.m., located just behind the pool. This dryland work was performed on Monday, Wednesday and Fridays and designed for the whole team at once. This phase of our training was planned for a three week period. It consists of:

	Calisthenics and Stretching Ex.	Surgical Tubing Pulling	*Running (in miles)	Swim
Juniors (3 x 1 hr. workouts a week)	20 minutes	observe- optional	1-2-3	20 min.
Advanced (5 x 1-1½ hrs. a week + weekends)	20 minutes	10 minutes	2-4-8	30 min.
Seniors (5 x 2 hrs. + weekends) (A.M. Nov. thru Mar.)	20 minutes	10 minutes	3-6-9	45 min.

*each week the number of miles are increased

After the run is completed for the juniors, they work in the pool with Dennis Donovan who co-coaches with me in this program. I will continue outside on the track with the advanced and seniors. As the juniors finish in the pool, I will dismiss the advanced to Dennis and finally I will accompany the seniors who will come in after their additional running.

The swimmers enjoy running. It allows them to talk, which they cannot do while swimming. It provides development of the circulatory-respiratory systems. It breaks up the monotony of swimming back and forth for another long season, and it provides an opportunity to enjoy our Northwest sunny clear blue sky and fresh air for the last time before returning to a winter of indoor swimming.

There are several reasons we all join together on this three-times-a-week, three-week session. First, team unity, a feeling of togetherness and building team morale are accomplished. Second, it will give us the opportunity to assign advanced and senior swimmers one or two juniors to "brother"

or "sister" for the ensuing season. This is the first time we have tried this. Though the younger junior swimmers may not continue doing the dry land exercises on their own, it is an introduction and a measurement of their interest in developing as a competitive swimmer. Perhaps the next year or the year following, they will.

Some swimmers do the exercises only in a group situation when it is imposed upon them. They are more the social swimmer. Some people would classify them as the followers. The more dedicated swimmer, and usually the more successful swimmer, will do the exercises on his own schedule because he understands the need and advantages of this work. He believes in out-of-water exercise for the development of his swimming and will do them regardless of what others are doing.

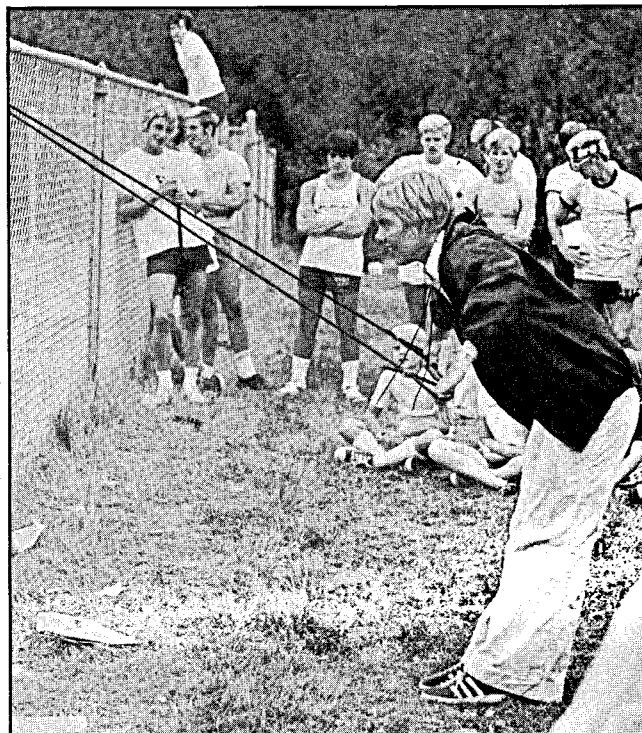
After this three week period, I request that a form be handed in weekly for one month indicating how often and what exercises they are performing. After one month they are on their own. Approximately 25 percent of the better age group swimmers and seniors will continue on their own. Because of limited coaching time and following the philosophy that kids must feel the need and importance of this program to really benefit and perform it correctly, the following exercises are administered in this manner:

PROGRESSION FOR DRYLAND EXERCISES

The following exercises and number of *repetitions recommended are listed below. Please check or indicate portion of each exercise completed and turn into coach.

M	W	F	Exercises
			(1 min) Warm up exercises — toe touches, body twisting
			(1 min) Ankle stretching
			(4 min) Shoulder stretching — towel, arms swing, elbow lift, arms cross
			(3 x 50) Sit ups
			(3 x 10) Lat bar #1 position — kneeling
			(3 x 10) Back leg lift — to be done slowly — hold at top
			(3 x 10) Back lift — to be done slowly — hold at top
			(3 x 10) Wrist curls
			(3 x 50) Surgical tubing #1 position

(Continued on page 61)



BREASTSTROKE EXERCISE — Lynn Colella demonstrates a surgical tubing exercise for the pull portion of the breaststroke.



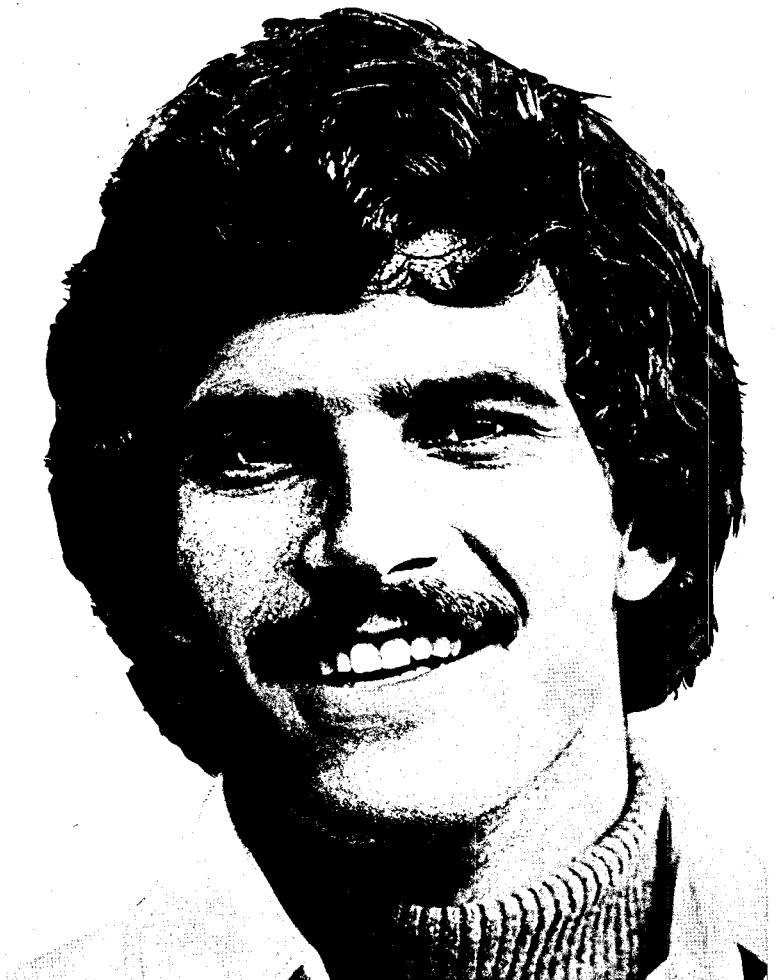
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SYNCHRO NEWS

By Dawn Bean

The Santa Clara Aquamaids were once again winners of all titles in the 1973 AAU Outdoor Synchronized Swimming National Championships. The competition was held July 23-28th in Paso Robles, California. Gail Johnson successfully defended her outdoor solo title; however, she had to overcome the 1973 Indoor winner, her teammate and duet partner, Teri Anderson, to do it. Her margin of victory was a scant 0.56. Amy Miner of San Francisco placed third.

Misses Anderson and Johnson were easy winners in the duet division scoring 6 points ahead of Denise Gallagher and Karen Morris of San Francisco. Santa Clara's Sue Baross and Jackie Douglass were third. The duet division saw finalists from clubs other than Santa Clara and San Francisco, with Walnut Creek placing 6th and Cygnets of San Antonio 7th.

The Santa Clara team scored 130.1 to win the team title from San Francisco with 127.4. The Aquamaids had the victory almost certain after they gained a two point advantage over San Francisco in the stunt competition. Walnut Creek was third with the Cygnets of San Antonio, Texas, Tustin Meraquas, California Coralettes and Santa Clara B team filling out the remaining finalist positions.

More than 400 swimmers from 37 clubs around the United States and Canada took part in the competition ably hosted by the Paso Robles Park and Recreation Department under Stuart Ross, meet manager. In addition to making their city facilities available for the week of the competitive events, the city went out of its way to make this a memorable week for all. They provided shuttle bus service between the hotel and pool, rented Rose Parade covered grandstands to make spectating a pleasure in the warm climate, arranged private tours of the Hearst Castle, San Simeon, for competitors and officials, arranged a banquet for 800 at the Fairgrounds, and provided meeting rooms for officials. The pool facility was outstanding with non-slip carpeting provided on the deck.

Results - Team

1. Santa Clara "A" Aquamaids 130.18
Teresa Anderson, Sue Baross, Robin Curren, Jackie Douglass, Gail Johnson, Dana Morre, Amanda Norrish, Suzanne Randell
2. San Francisco Merionettes 127.42
Cinny Anderson, Carol Clark, Denise Gallagher, Nancy Hunt, Pat Leake, Amy Miner, Karen Morris, Lori Nelson

3. Walnut Creek Aquanats "A" 122.59
Shannan Everist, Mary Irion, Cathy Lagomarsino, Denise Laughrey, Anne McCormick, Debbie Reagan, Linda Reagan, Margaret Schremp
4. Cygnets of San Antonio 119.93
Jeanie Hayden, Sherry Taylor, Jo Clare Oliverio, Nancy Doyle, Robyn Stearns, Leisa Jayne, Diane Grusenforf, Clare Kenward
5. Tustin Meraquas 117.26
Nanette Arpin, Avilee Bean, Kevis Bean, Erin McGovern, Katie Miller, Mary Ann Parker, Bunny Stickler, Joanne Sunner
6. California Coralettes 114.73
Cynthia Engle, Lori Green, Mindy Haines, Barbara Koch, Diane Reese, Marie White, Sara White, Lee Ann Reese
7. Santa Clara Aquamaids "B" 113.62
Cindy Anderson, Michele Barone, Erin Barr, Susan Boese, Rosanne Herrick, Helene Sheptin, Pam Tryon

Results - Duet

1. Teresa Anderson, Gail Johnson, Santa Clara 132.73
2. Denise Gallagher, Karen Morris, San Francisco 126.91
3. Jackie Douglass, Sue Baross, Santa Clara 125.06
4. Robin Curren, Amanda Norrish, Santa Clara 123.30
5. Cinny Anderson, Nancy Hunt, San Francisco 122.78
6. Debbie Reagan, Linda Reagan, Walnut Creek 122.46
7. Sherry Taylor, Jo Clare Oliverio, Cygnets, San Antonio 121.05

Results - Solo

1. Gail Johnson, Santa Clara 133.05
2. Teresa Andersen, Santa Clara 132.49
3. Amy Miner, San Francisco 128.60
4. Denise Gallagher, San Francisco 124.94
5. Jackie Douglass, Santa Clara 124.12
6. Cinny Anderson, San Francisco 123.23
7. Karen Morris, San Francisco 123.09

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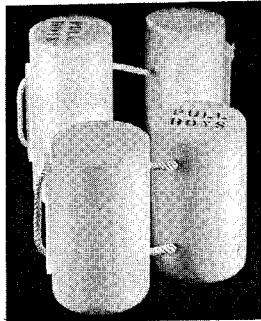
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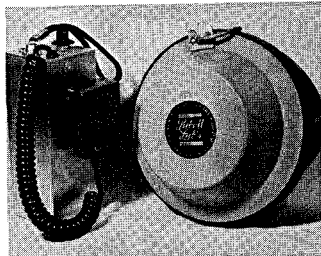
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Canada was represented by a 57-member squad at the First World Swimming Championships. The squad comprised three teams out of the four being contested, as Canada's water polo team was eliminated earlier in the year.

The team was led by Allan Harvey of Vancouver, long time chairman of international competitions for the CASA. We were one of the few teams large enough to have our own medical staff and physiotherapists accompany the group.

The swimmers gave good account of themselves with one gold and two bronze medals, but generally were expected to do somewhat better.

Our fine group of synchronized swimmers took second place in all three events and retained for Canada its second place ranking in that sport.

Divers did not get any medals, but had finalists in both men's and women's events and got to score in the team race.

Bruce Robertson, most everyone's favorite for a top spot in the 100 fly, took the event without any serious challenger and now has to be rated as the No. 1 flyer in the 100 in the world. The only possible challenger to his claim could be East Germany's Roland Matthes, who sprained an ankle a day before the event and thus couldn't swim. Bruce also played a key role in our medley relay, where he moved the team from sixth to third and put Brian Phillips in a medal earning position, which Brian admirably accomplished with a 52.63 anchor leg. On the opening leg, Ian MacKenzie became the third Canadian swimmer to better the minute for the 100 back with his 59.90 leg. Canada, thus, held on to its third place in this event, which they also won in Munich.

Wendy Cook, not quite up to her form in late July, still managed to place third in the 100 back with 1:06.27. This was our only medal for the girls.

In the 200 back, Wendy was sixth with 2:23.59, having qualified with 2:23.12.

Wendy was also a key member on both women's relays. The medley relay placed fifth, with our best ever time, 4:29.60. The team was composed of Cook, 1:06.49; Marion Stuart, 1:16.86; Patti Stenhouse, 1:06.37; and Gail Amundrud, 59.58. The last two earned their berths in a swim-off.

The girls freestyle relay qualified third, having won heat two with a 4:01.44 with splits of Cook, 1:01.11; Judy Wright, 59.93; Leslie Cliff, 1:00.54; and Gail Amundrud, 59.86. Thus we had a chance for a medal in this event and with two girls

under the minute, possibly a sub four minute swim. The finals had us swimming in fourth place all the way, and we improved on our heat time again, and Gail Amundrud leading off became the first sub-minute sprinter in Canada with a 59.88. The other legs were, Judy Wright, 1:00.29; Wendy Cook, 1:00.17; and Leslie Cliff, 59.86. The final time was 4:00.20.

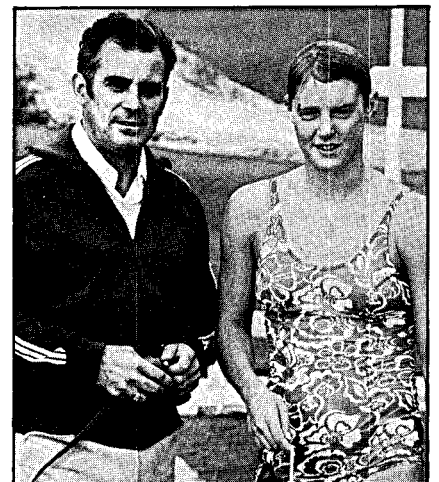
Leslie Cliff, who entered in four individual events, was outclassed in the IM events, not being able to do any of her best times from last year. She was sixth in the 200 IM with 2:26.26 and fourth in the 400 IM with 5:07.01. She was entered in the 100 but failed to reach the finals.

One of the surprising young performers was Janice Stenhouse from Surrey, B.C. who, on her first international team, reached the finals in the 400 free with 4:32.04, and finished in seventh with a further improvement of 4:31.92.

All told, there were two individual senior records bettered — Dave Brumwell in the heats of the 400 IM with 4:45.52, and Gail Amundrud in the 100 free. The girls also posted the best ever medley and free relay for a total tally of four. This compares unfavorably with a total of 12 at the Olympics last year.

In the team race, with separate scores kept for both men and women, Canada placed fifth in the women's behind East Germany, USA, Holland and West Germany, while our men were ninth overall. In a combined score, we are now the seventh ranked swimming nation.

One of the big events to look forward to next season will be the visit of a 38-member team of East Germans to the World Aquatic Invitational in Winnipeg in early September of 1974. It will give swimmers and coaches an opportunity to size up the main challengers for supremacy in swimming which the United States has had in the past decade. It should also serve as a good indication of what we can expect from the East Germans by 1976.



DERYK SNELLING, LESLIE CLIFF

WATER POLO SHOTS

By Burt Shaw



National Team Development Program: Twelve countries were represented by water polo teams in Moscow at the Student Games, and 11 of these 12 also sent teams to the World Championships in Belgrade, Yugoslavia, where there were 16 teams in all. Teams in Moscow were restricted to University students born between certain dates, but there were no requirements in Belgrade. It was like an open tournament. A comparison of the rosters for those 11 countries participating in both competitions is quite interesting.

Seven countries sent two entirely different teams to both competitions. Cuba sent their entire lineup to both, Mexico sent all but one player to both, Great Britain had three and Russia four players in both tournaments. One wonders why. Perhaps Mexico and Cuba, with the distance they had to travel, had a financial reason, and, possibly, Russia was under some pressure to win at home, but we don't really know how young men react to two major tournaments just one week apart. Could that have a flattening out effect? Russia won the gold in Moscow, but they lost to Hungary by one goal for first place in Belgrade. Their goalkeeper played in both tournaments, and they prepared to win both championships.

Then there is the ridiculous extreme. The United States forced 11 fine young players and two dedicated coaches to bear the brunt of totally inadequate preparation for a World Championship. Our team practiced together six days in Newport, Calif., took five days off, flew to Hungary and worked six more days in Budapest against the Hungarian National team, a team which had been pointing toward this World Championship for six months, determined to win, and also determined to win the gold medal at Montreal, in 1976. Many times during the course of the competition it was said that the U.S. team certainly lived up to its Yugoslavian abbreviation, SAD.

Another interesting contrast is the ages of the players at the World Student Games. For the Russian team, only one player was born after 1950. For the United States all but one player were born after 1950, and he was born that year. Clearly, we were rebuilding, getting experience for our youth, and building character.

That was our goal, while Russia, Hungary and Yugoslavia wanted gold, and nothing else. We reached our goal, but we could have accomplished it and medalled, too, and we could have done it with the same personnel. We had a better total 11 players, were quicker, had more stamina and had far superior innovative coaching, yet we came in a rather dismal fifth. We tied for fourth on points, but were placed lower on goal difference. We missed third place by only two goals in the Yugoslavian

game, which we played well enough to win and should have won.

It would be easy to become depressed over this entire situation of the U.S. water polo team in world class competition, but we were superior to Italy and Yugoslavia (4th and 3rd). We were in the game with No. 1 Hungary, and we clearly outplayed No. 2 Russia for the first three quarters.

What is the answer, then? The answer is so simple as to be ridiculous. This richest nation in the history of the world lacks the money to do the job, or at least lacks the will to spend the money to do the job. We had only 11 players in camp, so we could not scrimmage full court. With half court scrimmages, the goalies get tired, and pretty soon everything thrown up goes in the goal. And how does one practice a 6 on 5 with 11 players? It's true that 6 and 5 add up to 11, but what do you do for a goalie? A 6 on 5 is really 6 on 6 if you count the goalie. How do you do that with 11 players? While all this nonsense is going on, a team like Hungary is working out twice a day for six months, full tank scrimmages, and eating two full meals a day at a training table right at poolside. In preparation for the championship, why do we continually handicap ourselves and then berate ourselves and get out the sack cloth and ashes?

All right. We sent two complete teams to Europe this year. That's a lot of experience, but it will all go down the drain if we don't get serious about training a national team.

Water polo could use a national sponsor such as swimming now has. You should have seen us dickering with water polo balls and cash to pay for our food and lodging in Hungary, and this is not the first time the Hungarians have treated us. It's three or four times now that they have hosted us in Europe on training sessions. Common courtesy dictates that it is essential that we reciprocate and invite Hungary here, or we will look like the man who came to dinner. They provided us with club teams to scrimmage; they had their National team available for games any time we wanted, and with a far better (however, too short) training camp provided by them, our National Coach was prompted to remark more than once, "How are we ever going to match this for them when they visit the United States?"

On that note, the Italians might possibly visit us in February. If it could coincide with a Hungarian visit and if we invited Mexico, Cuba and Canada, we could have a very interesting six nation tournament, because all of these teams finished in the top ten in the world, with the exception of Canada.


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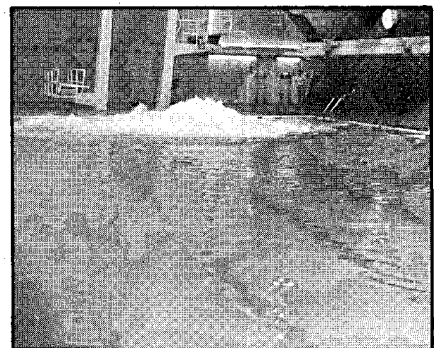
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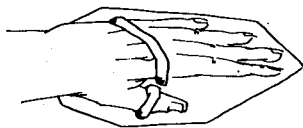


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All indications are for a young UC Berkeley team to storm out of the north sweeping all opposition aside. Not wishing the kiss of death, and being as objective as possible, it is difficult to bet against them. They will be powerful, have lots of depth and experience, and are really going to be hungry after two years on NCAA probation for violations occurring in another sport at their institution. It was hardly fair to punish them, but it was done; and now, look out. No one is more righteously indignant than one who has been unjustly punished.

The serious opposition to this steamroller will have to come from defending champion UCLA. UC Irvine has a fine team, but lacks the depth to stay with them in the late quarters. In the recent UCLA vs. Alumni game, the Alumni fielded seven former Olympians in the water. These were off the recent teams, too, not the out of shape oldsters we usually think of with respect to alumni games. The UCLA varsity suffered a very respectable loss to these gangbusters, only 10 to 7.

We are looking forward already to a really exciting NCAA championship tournament at Belmont Plaza Olympic Pool in Long Beach, Calif., November 23 and 24.

Age Group — The Southern California Age Group League got underway September 29. This competition has grown so much that it now must be divided into three sections. Each section will conduct its own championship, and the winners of each will be brought together in one overall Southern California Championship sometime late in November.

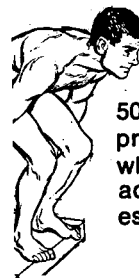
The age divisions are boys and girls 12 and under; that is, two different games. The boys and girls do not play in the same game. Another division is for 13 and up girls, and the competition is pretty fierce. Boys 13-15 is the other division, because most boys are competing for their high schools. Optional divisions are 10 and under girls, 10 and under boys and 16 and up boys whose high schools do not have polo and where there are enough people to compete.

This competition has become one of the most popular swimming club diversions ever for the off season. Coaches who never dreamed they would ever become involved with so "vicious" a sport are the most enthusiastic supporters. Once swimmers get a taste of team competition in the water and with a ball, they are hooked. And once a coach gets two or three wins under his belt, he is the most hooked of all. Try it, you'll like it.

EAST GERMANY/U.S.A. DUAL MEET SET

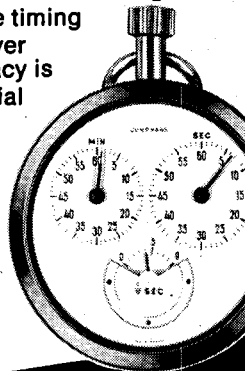
BELGRADE, Yugoslavia — Final arrangements for the second dual meet between the German Democratic Republic (East Germany) and the United States were confirmed here by Dr. John Bogert, chairman of the U.S. Olympic Swimming Committee and officials of the G.D.R. Swimming Federation.

A team of 12 male swimmers, 12 female swimmers, three male divers and three female divers plus eight leaders will arrive in the United States on August 27, 1974,



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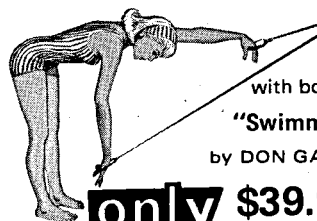
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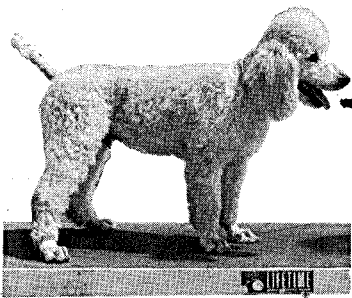
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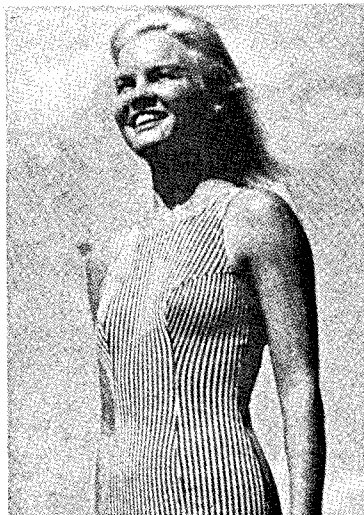


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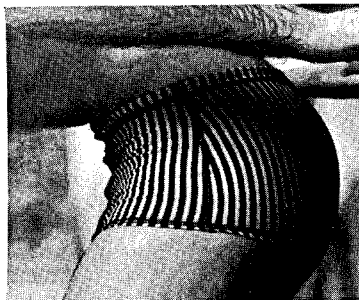
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directly from the European Championships at Vienna, Austria. The G.D.R. team will proceed directly to Concord, California, where they will train from August 28 through August 30, with a day off for sightseeing in San Francisco, August 29th.

The dual meet is a return meeting of the German team who met the U.S. team in Leipzig in 1971. The U.S.A. team will also consist of an equal number of swimmers and divers, and they will be selected off the U.S. National AAU Long Course Championships held August 22-25 at Concord. The dual meet will be on August 31 and September 1.

A full page program of events will be conducted to match the 1972 Olympic program with the order of events to be the same as in Leipzig in 1971.

First Day (Aug. 31, 1974)

- Women's 200 m. freestyle
- Men's 100 m. freestyle
- Women's 200 m. butterfly
- Men's 100 m. butterfly
- Women's 200 m. breaststroke
- Men's 400 m. freestyle
- Women's 200 m. backstroke
- Men's 200 m. backstroke
- Women's 800 m. freestyle
- Men's 100 m. breaststroke
- Women's 400 m. individual medley
- Men's 400 m. individual medley
- Women's 400 m. freestyle relay
- Men's 800 m. freestyle relay

Second Day (Sept. 1, 1974)

- Men's 400 m. freestyle relay
- Women's 100 m. backstroke
- Men's 100 m. backstroke
- Women's 100 m. breaststroke
- Men's 200 m. breaststroke
- Women's 100 m. butterfly
- Men's 200 m. freestyle
- Women's 100 m. freestyle
- Men's 200 m. butterfly

- Women's 200 m. individual medley
- Men's 200 m. individual medley
- Women's 400 m. freestyle
- Men's 1500 m. freestyle
- Women's 400 m. medley relay
- Men's 400 m. medley relay

In 1971 the results of the meet were 221 points for U.S.A. and 123 points for East Germany (swimming only).

The team total will be the same number as the East German team and will be chosen from the 1974 AAU Long Course Championships.

The G.D.R. team will fly to Los Angeles on the morning of September 2, where they will be taken to Disneyland. They will leave the United States on September 3, flying directly home or possibly to Winnipeg for a meet in Canada.

GAMES (Cont'd. from page 34)

when it first arrived in Moscow. The team was confined to the grounds of the Moscow University for lack of proper credentials, and was forced to use an indoor four-lane, 25 meter pool until their credentials arrived. After that, they were placed on a nine-day, twice-a-day rotating practice schedule, using the Luzhniki Pool for the early practice and the Moscow Pool for late practice. The latter was a huge round public pool, with a racing course, diving facilities and water polo pool.

In order to determine the U.S. entries for the competition, the coaching staff set up swim-off events. The entry blank allowed all 38 swimmers and divers to enter and compete. However, much to the dismay of the staff, no relay preliminaries for women were conducted.

THE NEWEST DRAG

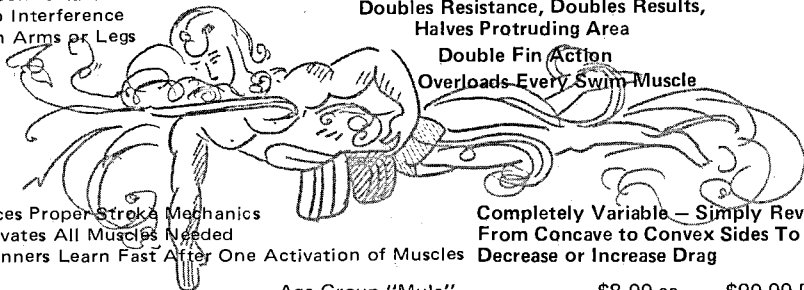
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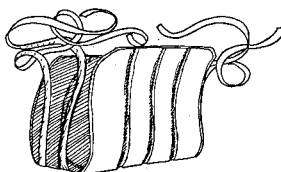
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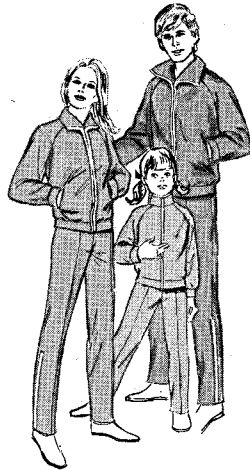
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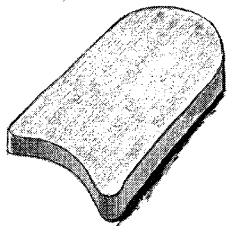
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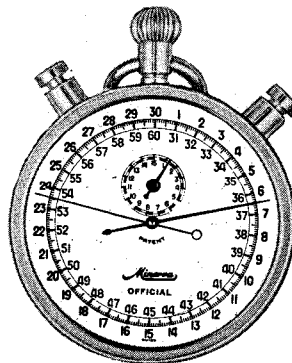
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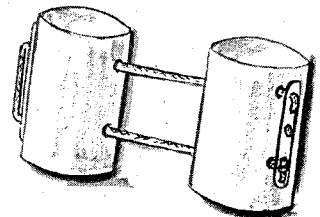
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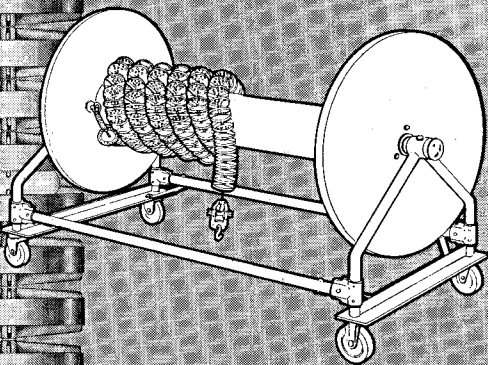


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YMCA AQUATICS

By C. Eugene Keltner

Congratulations to Cathy Irish! As you all know by now, Cathy Irish won the National Outdoor Diving Championships at the Plantation Country Club, Louisville, Kentucky, and in Belgrade, competed in the World Championships. Cathy, from the New Canaan, Connecticut YMCA, is the National YMCA three-meter diving champion and record-holder for 1973. This is just another indication of the tremendous job that YMCAs are doing in competitive swimming across the country.

I promised you the name of the host association for the 1974 National Championships in the September issue of *Swimming World*. It was not ready at that time, but I am happy to announce now that the Flushing, New York YMCA, under the direction of Keith Miller, will be the host for our National Championships in Fort Lauderdale, starting April 24, 1974 and running for four days.

Many YMCA coaches attended the American Swimming Coaches Association World Swimming Clinic in Chicago, the latter part of September. From a quick survey, I found that 60 percent of the membership of the American Swimming Coaches Association are YMCA competitive representatives. All YMCA swimming coaches should be members of ASCA. Those of you who are not should write to Mr. Bob Ousley, Executive Director of the American Swimming Coaches Association, Swimming Hall of Fame, Fort Lauderdale, Florida.

Mr. Jim Stocker, National Swimming and Diving Chairman for Women, and I, plus members of our National Competitive Committee, met with the National Aquatic Operating Council late in September and presented our National Officials Certification Program and Coaches Training Program. The results of that meeting will be in the November issue.

Congratulations to Jim Stocker! He has just received notice from Buck Dawson, Executive Director of the Swimming Hall of Fame, that Jim has been appointed to that Board of Directors. Jim has given the National YMCA's competitive program many hours of volunteer time, and it is a well-deserved honor for him to be selected for this position.

MEET DIRECTORS AND SWIM COMMITTEES

Please send in a few of your entry blanks to *SWIMMING WORLD*, 5507 Laurel Canyon Blvd., North Hollywood, Calif. 91607. We have requests for entry form or meet announcements from inquiring clubs and swimmers. Be sure to airmail meet results immediately after meet. Photos are also welcome.

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MASTERS CORNER

By Capt. Ransom J. Arthur



I have appointed a special committee under the chairmanship of Anne Adams to solicit opinions and to make recommendations, after appropriate deliberations, about the format and conduct of future National Championships. The meet at Chicago was extremely well run and it would not be possible to run a meet any better. However, the number of swimmers involved is now so great as to make the meet virtually unmanageable. Two hundred more swimmers, which we might easily have by next year, would have paralyzed the competition if only because there are just 24 hours in a day. There have been many suggestions vis-a-vis the championships. They have included such proposals as the (1) provision of qualifying times, and (2) making the 1500 meter swim either a 1500 meter or a 30 minute swim, that is, in those divisions where the contestants are unable to finish in 30 minutes the winner will be declared on the distance covered when the 30 minute whistle blows. These are merely two examples of many suggestions which have arisen and will arise for the committee to consider. I have been extremely reluctant to recommend the imposition of any restrictions on participation at the National level but I fear the day is coming closer when that will have to be done. I congratulate again the Chicago group for their expert handling of a complex and burdensome operation.

As Sakini, the Okinawan interpreter in The Tea House of the August Moon says, "Pain makes man think; thinking makes man wise, and wisdom makes life endurable." It might be useful in this connection to consider some lessons learned at Chicago. The first lesson I would regard as essential to remember is that during prolonged exposure to a very hot environment in which the individual sweats continuously it is vital to replace water and required minerals such as sodium, potassium, and magnesium. If one does not, then one becomes progressively more fatigued and weak. Even if the loss is only to a moderate degree, ones swimming will be seriously interfered with. I was so stupefied by the heat that I didn't persevere in obtaining Gatorade or a similar beverage with water, sugar, and electrolytes. This was an error because the water and salt loss was very considerable in anyone who waited for long periods in the heat.

The second lesson is to again emphasize that Masters swimmers should be free to scratch a race if they don't feel well even after they have gotten up on the blocks. If one's pride won't permit that, just dive in and swim through the distance easily. There are always more races in Masters swimming. It is not like the Olympic Games or the college championships where you may have only one chance. If you stay with Masters swimming you'll have a multitude of opportunities to compete at the National as well as at the local level. There is no sense in hurting oneself by swimming a race at a time when you don't feel right. Any single race is not that important.

The third lesson is one that does not apply to everyone and perhaps not even to a majority but certainly applies to some of us. Extensive and intensive sprint training, that is, short distance all-out efforts before a meet, are fraught with danger. I have written before that I couldn't do sprint training nor could some of my other Masters swimmers without injury. After a three year lapse I decided to see if I was mistaken. I did a lot of high quality sprints and became increasingly more sore, fatigued, and slower. Far from helping me prepare for the meet it only increased my unreadiness. I shall never sprint again nor shall some of my swimmers who also do badly on this routine. It is an individual matter, of course, and certainly many of the younger swimmers find this an absolutely necessary training procedure. You must see for yourself. If it helps, use it; if it doesn't, stick to your convictions and just do longer and slower repeat swims in training, i.e., instead of all out 50's do 90 percent effort 200's with a good rest (say three minutes) in between.

The La Jolla Rough Water Swim added a Masters division this year and there was a very large turnout of swimmers over 25.

OCTOBER, 1973

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ASCA NEWS

By Bob Ousley



It was my pleasure to have been in attendance at the World Swimming Championships in Belgrade, Yugoslavia, September 4-9. The swimming was great. Our men swimmers won their part of the meet, but our women were overcome by the fantastically improved East Germans.

Several swimming milestones were passed at this "First World Championship." (1) The first sub 4 minute, 400 meters free for men, (2) the first sub 5 minute, 400 IM for women, and (3) the first time in history that a relay team surpassed the world record for every leg (400 medley by East Germans).

Also in Belgrade several actions by the FINA are worthy of comment. (1) The expulsion of South Africa and Rhodesia, (2) the re-affirmation of the interpretation of Rule 53, and (3) re-affirmation of the FINA threat to withdraw swimming from the 1976 Olympics if adequate seating is not provided. (See editorial in the Vox Pop section in the back of the magazine.)

Our Clinic in Chicago was the largest ever held and next year's at Caesars Palace in Las Vegas could be even larger. Plan now to attend, December 5-8.

1974 memberships are coming in rapidly. Those of you reading this who are interested in becoming ASCA members write to us for information — ASCA, 1 Hall of Fame Drive, Fort Lauderdale, Florida 33316.

Our 1973 membership closed out at 1,466 members, an increase of 207 over 1972. Our goal for 1974 is set at 1,600 members.

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THE RULES

By William A. Lippman, Jr.

PUTTING MONEY WHERE MOUTH IS — Amateur sports groups have long boasted of involving active athletes in administration and decision-making, but in practice this usually just means being placed on the mailing list. Few active amateurs (in AAU-type sports) have either time or money to attend the conclaves where everything is decided.

Swimming, which has led all the other sports in so many ways, like winning more Olympic medals than all other United States sports combined, is about to do what it can to correct this inability to exercise voice and vote. Time we cannot provide, but money we can . . . and will.

Ten of our top swimmers were elected in April by their fellows to represent them on the national AAU Competitive Swimming Committee: Sue Atwood, Melissa Belote, Rick DeMont, Steve Genter, Gary Hall, Janice Kessell, Tim McKee, Ann Simmons, Mike Stamm and Huddie Walsh. More than half of these won spots on this years' World Championship, FISU and South American teams. At least one, Ann Simmons, has already demonstrated leadership by authoring a thoughtful protest against the final-event program-timing at Cincinnati, with suggestions that resulted in a better system there and at Louisville later.

Swimming needs the input these athletes can supply, their criticisms and suggestions for improvement, so that the coaches and lay leaders can better plan and operate the competitions at all levels. We have been most fortunate in that two of our world-class men, Ross Wales and Mike Burton, have been able to actively participate on AAU Rules and Olympic Swimming committees even while competing at world and Olympic levels. Their opinions are respected and their recommendations have shaped legislation and planning.

Other athletes have not been so fortunate, and Mike Burton has suggested that we explore means of getting them to the annual meetings. We have found a way.

With funds developed through the national support portion of the Aquatic Participation Fee, these ten elected Athlete Representatives will have their way paid to the National AAU Convention at West Yellowstone later this month. That's where AAU Swimming "lets it all hang out" — where the major decisions of the AAU's 15 sports are made in one hectic week of meetings on top of meetings. We hope they will be able to come, and help us to plan their sport.

RULE CHANGES — HERE AND ABROAD — The proposed AAU rule-changes have been publicized previously in this column. In August they were put finally to bed, to be rudely awakened at Yellowstone where some will be rejected, some revised, before adoption.

The International Technical Swimming Committee of FINA met at Belgrade on August 27th, but to our regret we were unable to attend. We sent along some suggestions, including clarification of the breaststroke turn (as it differs from the butterfly turn rule), and asking consideration of a possible "No Hand Touch" for Backstroke Turns — something lately under discussion by free-thinkers hereabouts. We understand these matters were discussed and some recommendations made, but until we have further information we will not speculate. FINA rarely changes technical rules between Olympics so we do not anticipate any surprises.

ADMINISTRATIVE MATTERS — We would like to comment on one extremely important AAU problem — the administrative restructuring that began at Kansas City last December — which has become rather badly tangled up.

The original plans were these: (1) To divide AAU Swimming into two major parts — Competitive and Administrative, and (2) To eliminate the overlaps and duplications existing under men's and women's swimming by consolidating them into a single Senior Swimming activity. But this is not what happened.

In a meeting at Kansas City, (1) above was completely redrawn

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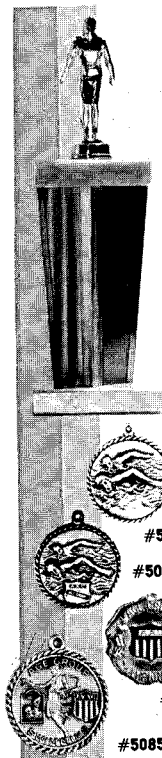
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and instead of a 2-part system we wound up with a 5-part system, which we won't go into at this time.

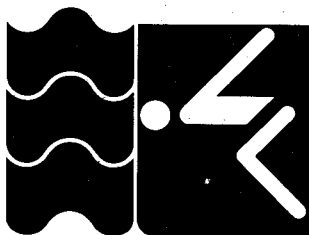
Number (2) above was also revised, under pressure from people, who with misplaced sincerity, insisted the men/women concept be retained, BUT PLACING A NEW SENIOR AUTHORITY OVER IT. Here, then, is what really happened: The Senior Chairman was elected. He was supposed to head the new Senior program, but to comply with the new organizational plan, he appointed Men's and Women's chairpersons (!) which virtually eliminated his authority.

Under existing rules which could not be adjusted quickly enough to allow for these sudden changes, together with the historical workloads of previous national sports chairmen, in returning to the Men/Women concept, the Senior chairmanship became (to quote him) a Captain with a ghost ship. We were right back where we were before, except that now we had three national senior chairpersons without actual committees, and the problem of dividing two jobs three ways, where we had previously had two national chairpersons with large national committees and well defined responsibilities. And, on top of our three seniors, we have superimposed a General Chairman who in theory is the real "head honcho," but who in practice has been forced to ask many questions concerning his own responsibilities and authority.

It isn't that efforts have not been made. Exhaustive and exhausting efforts. Dick Close and a large Organizational Committee have worked out a series of hopefully workable guidelines, but even so it has been a year of Cut and Try, Bait and Fish, Cook and Taste. Mighty rough.

Of one thing we are personally certain: **The Senior concept must be retained but there can be no weakening dilution into Men's and Women's divisions.** The Senior Chairman must head the senior activity all the way. He must have guidance from a Senior Committee and together they must run the Senior program. If there is to be a Junior program, there must be a Junior Chairman, a Junior Committee and the same autonomous procedures.

Whether these are to be subsidiary parts of an overall Competitive Swimming structure with total over-riding committees remains moot. Perhaps what we need is not an enormous, unwieldy, 250-400 member committee with a national



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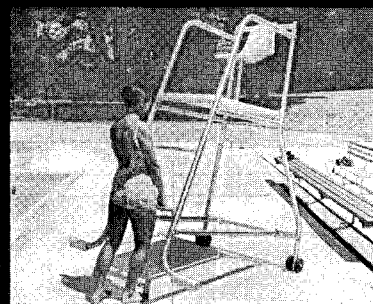
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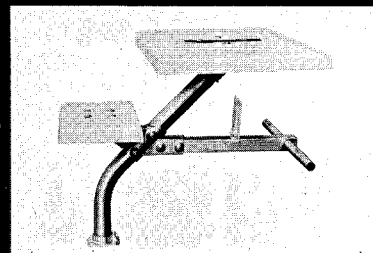
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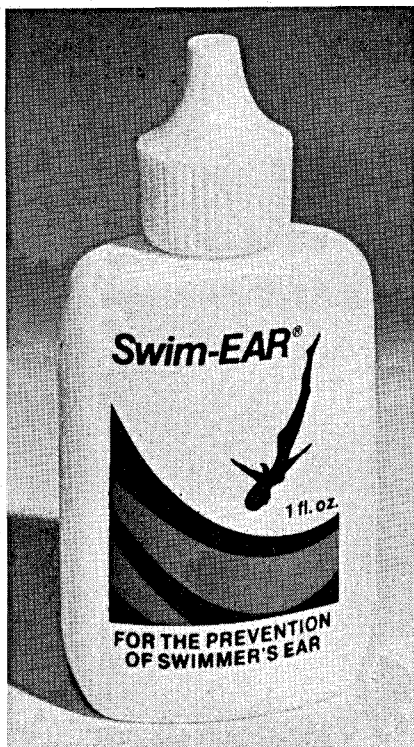
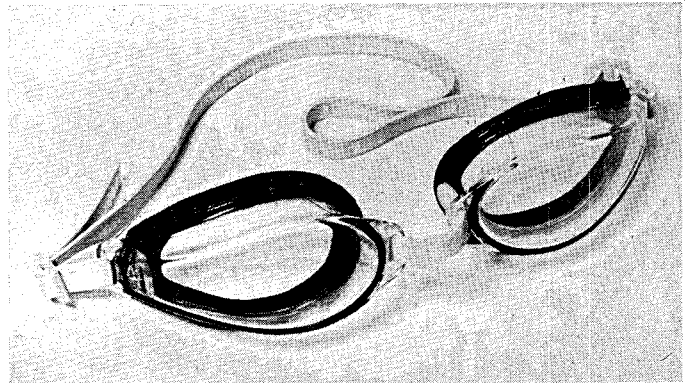
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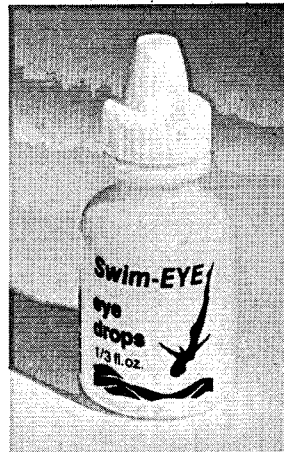


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chairman, riding herd on 4 or 5 sub-activities with their own national committees, sub- and sub-sub-committees. Perhaps what we need is to return all of these competitive programs to their previous full status as AAU Sports Supervising Committees. Then, set up an AAU Aquatics Board with representatives from all of the wet sports including the FINA four (swimming, diving, water polo and synchronized), with a Moderator to run meetings instead of a General Chairman.

Such an Aquatics Board could delegate to joint Service Committees such common or closely related functions as Finance, Public Relations, Legislation, Facilities, Publications, etc. Each sport would continue to administer those activities individual to itself, like Technical Rules, Championships, Officials, Standards, Rankings, etc. as it had previously. In other words, AAU Aquatics would join hands in all internal and external family affairs, and remain distinctly separate in their own operations.

These are not new thoughts. But it takes a far broader view of the total AAU Aquatics future than that which conceived the Competitive Swimming Committee parasol — "parasol" because it didn't really cover enough to rank as an umbrella. The Competitive action was a good first try. It broke the mold and pattern of many, many years. But let us now take a long, long look at the pieces before we reassemble them. Let's make a realistic assessment of the future of American aquatics against the background of what can and may happen to all American amateur sports. We are small potatoes in a gigantic game and if we do not quickly bring our related strengths together and eliminate our weaknesses, tomorrow may be too late.

CONDITIONING (Cont'd. from page 45)

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- (1 min) Ankle stretching
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Specialty exercises:

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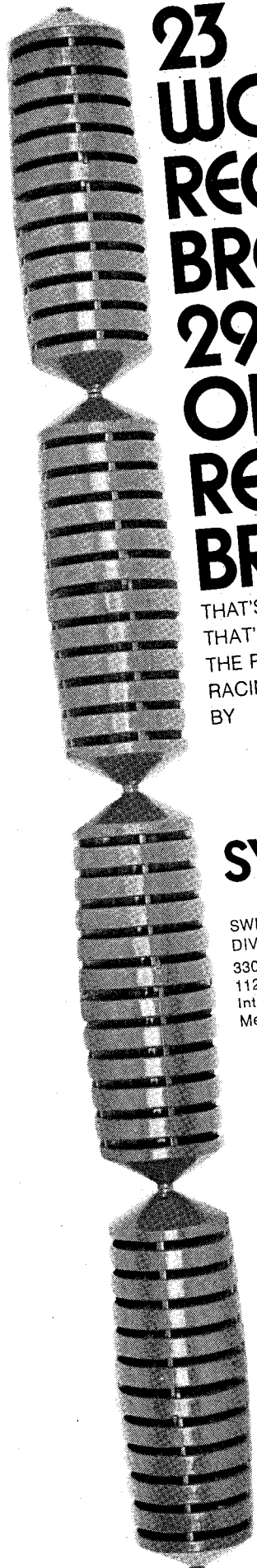
Exercises

- (3 x 50) Rick's Rack — Breast stroke leg strengthening
- (1 min) Lower leg stretch and strengthening for brst kick
- (3 x 50) Surgical tubing — brst pull
- (3 x 50) Surgical tubing — back pull

*Repetitions should be performed with enough resistance so that the last repetition can barely be completed. Add weight or resistance as you become stronger.

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We encourage the swimmers to keep doing these exercises straight through the entire season. The only time they are encouraged to let up is one week before their season's major effort.



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AAU meets west

More than 550 swimmers representing 16 teams from several Pacific Northwest states participated in the 3rd Annual Longview YMCA Invitational Swim Meet at Longview, Washington on August 11 and 12.

Amy Thorpe, CCAC, dominated the meet by capturing all five first place wins in the girls 11-12 200 IM, 2:32.2, the 100 fly, 1:09.0, the 100 free, 59.5, the 100 back, 1:09.6 and the 100 breast, 1:19.7.

Joan Manning, CCAC, and Steve Dougherty, BREM, each posted four wins in the 13-14 age group. Miss Manning's wins came in the 200 IM, 2:24.8, the 100 fly, 1:04.4, the 100 back, 1:07.1, and the 100 free in 58.8. Dougherty led the way in the 100 free, 53.9, 100 breast, 1:11.4, 200 IM, 2:15.8 and 100 fly, 1:00.2.

Triple winners include Joan Cunningham, LOSA; and Eric Skorge, BELL, both 10 & under; Doug Towne, THSC, 11-12; and Jim Heltsley, RSM, 15-17. Joan won the 50 free, 32.1, the 100 IM, 1:19.2 and 50 fly, 36.0. Skorge scored wins in the 100 IM,

1:15.1, the 50 fly, 32.0 and 50 back, 34.3. Towne topped the 100 free, 1:00.2, the 200 IM, 2:30.1 and 100 back, 1:09.5. Heltsley took the 200 IM, 2:11.7, 100 fly, 56.7 and 100 back, 1:01.8.

Lynne Spencer, PASC, and Paris Oliver, BEND, each scored double wins. Miss Spencer took the 15-17 100 free, 1:00.4 and 100 fly, 1:09.7. Paris Oliver tied in the 25 fly, 18.6 and won the 50 free, 36.9.

Individual winners were Dean DeKoster, BELL, 10 and under 50 free, 30.4; Mark Savage, RSM, 15-17 100 free, 51.5; Linda Hendrickson, LY, 10 and under 50 breast, 41.5; John Ross, TH, 10 and under 50 breast, 40.5; Kevin Thompson, PASC, 11-12 100 breast, 1:15.4; K. Hershey, TOSC, 13-14 100 breast, 1:16.2; Jim Williams, BELL, 15-17 100 breast, 1:07.2; Lisa Child, LOSA, 15-17 200 IM, 2:30.6; David McAlpine, LY, 11-12 100 fly, 1:09.1; Mary Alice Lehning, CCAC, 10 and under 50 back, 38.0; Chris Crawford, TOSC, 13-14 100 back, 1:02.9; Luika Timmerman, CCAC, 100 back, 1:06.7.

REGION X CHAMPIONSHIPS

Suzanne Fahey, RM, and John Ebuna, RM, led the Region X Age Group and Junior Olympic Championships in Colorado on July 27-29.

Miss Fahey placed first in the girls 13-17 200 fly, 2:38.55, the 200 IM, 2:36.81 and the 400 IM, 5:34.50. Ebuna finished first in the boys 13-17 100, 200 and 400 free with times of 55.04, 2:03.86 and 4:22.55.

Sarah Shannon, RM, took the girls 200 free in a time of 2:17.53 and the 100 fly, 1:10.50.

Lisa Hilger, RM, dominated the back, winning the 100 and 200 with times of 1:10.86 and 2:32.57.

Brian Mosher, NM, had two wins in the boys 200 and 400 IM, clocking a 2:21.68 and 5:09.00.

LA MESA "A" MEET

Gary Rees, LMSA, topped the La Mesa "A" Meet in El Cajon, Calif., on August 11-12.

Rees won the senior men's 200 free, 2:05.7, the 400 free, 4:26.5, the 200 IM, 2:26.4 and the 400 IM, 5:08.2.

Leslie Mendez, CNSA, finished first in the girls 10 and under 100 free, 1:09.4, the 50 back, 38.4, the 50 fly, 35.0 and the 200 IM, 2:51.8.

Teresa Wold, CNSA, tripled in the women's senior 200 back,

LAKE ERIE DISTRICT AAU

WINTER SWIMMING & DIVING SCHEDULE 1973-74

- | | |
|---------------------|--|
| Oct. 27 | Berea Boosters "B" Meet — Berea H.S. Pool, Berea, O., Mr. Gene H. Sweeterman, 195 W. Bridge Ave., Berea, Ohio 44017, Phone: 234-9133. |
| Nov. 3 | Lakewood Recreation Ginny Ward "B" Meet — Lakewood H.S. Pool, Lakewood, O., Mr. David Abineri, 1456 Warren Rd., Lakewood, O., 44107, Phone: 221-3325. |
| Nov. 10-11 | Fairview Parents Age Group & Open — Fairview H.S. Pool, Fairview, O., Mr. Richard Segrist, 4507 W. 213 St., Fairview Park, O., Phone: 331-8612. |
| Nov. 18 | Midpark Booster Club Age Group & Open — Midpark H.S. Pool, Middleburg Hts., O., Sterling O. Ullrich, Sr., 15473 W. Fayette Blvd., Brookpark, O., Phone: 234-4755. |
| Nov. 24-25 | North Canton YMCA AAU Meet Age Group & Open — YMCA Pool, North Canton, O., Mr. Jack M. Berrey, 1469 S. Main, N. Canton, O., Phone: 499-4304. |
| Nov. 31
Dec. 1-2 | Lake Erie Coke Invitational "A" Meet — Hawken School Pool, Lyndhurst, O., Mr. Jerry Holtrey, 3522 Glencairn, Shaker Hts., O., Phone: 921-1805. |
| Dec. 2 | Warren Swim Club Snoflake "B" — Western Reserve H.S. Pool, Warren, O., Mr. Byron Armstrong, P.O. Box 281, Warren, O. |
| Dec. 16 | Lake Shore Challenger "B" Meet — Fairview H.S. Pool, Fairview, O., Mr. Dick Mahoney, 25162 Sunset Oval, N. Olmsted, O., Phone: 777-1508. |
| Jan. 18-19-20 | Jim Scullion Age Group & Open "A" Meet — Lakewood H.S. Pool, Lakewood, O., Mr. David Abineri, 1456 Warren Rd., Lakewood, O., Phone: 221-3325. |
| Jan. 26-27 | Copley Swim Club Age Group & Open — Copley H.S. Pool, Copley, O., Mr. Jim Popoff, P.O. Box 4031, Copley, O., Phone: 864-6091. |
| Feb. 2-3 | Berea Boosters Age Group & Open — Berea H.S. Pool, Berea, O., Mr. Roger English, 136 E. Fifth Ave., Berea, O., Phone: 234-7603. |
| Feb. 17-18 | Lake Erie West J.O. Short Course — Rocky River H.S. Pool, Rocky River, O., Mr. H.C. Urban, 2247 Walter Rd., Westlake, O., Phone: 777-2610. |
| Mar. 9 | Berea Midpark Swim Club Seniors — Midpark H.S. Pool, Middleburg Hts., O., Mr. John D. Cola, 149 Race St., Berea, O., Phone: 234-3141. |
| Mar. 10 | Berea Midpark Swim Club All Relays — Midpark H.S. Pool, Middleburg Hts., O., Mr. Bob Howard, 358 Kraft St., Berea, O., Phone: 243-1337. |
| Mar. 16-17 | Lakeshore Star Classic "A" Meet — Fairview H.S. Pool, Fairview Park, O., Mr. Dick Mahoney, 25162 Sunset Oval, N. Olmsted, O., Phone: 777-1508. |
| Mar. 23-24 | Warren Swim Club Age Group & Open Spring Meet — Western Reserve H.S. Pool, Warren, O., Mr. Bob Sappety, 170 Kenilworth S.E., Warren, O., Phone: 395-0247. |
| Apr. 6-7 | Friendly House Age Group & Open — Friendly House Pool, Mansfield, O., Mr. Gene Shives, Friendly House, 380 N. Mulberry, Mansfield, O., Phone: 522-0521. |

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2:37.1, the 100 breast, 1:27.6, and the 100 fly, 1:10.9.

Kirsten Pipes, CVAA, took the girls 11-12 100 free, 1:05.2, the 200 free, 2:26.0 and the 100 back, 1:17.1.

Bob Kuncce, LMSA, listed three wins in the boys 11-12 100 free, 1:06.4, the 200 free, 2:23.5 and the 200 IM, 2:46.2.

Kendle Koontz, CNSA, doubled in the girls 10 and under 50 free, 31.6 and the 50 breast, 44.0.

Jenny Hicks, CVAA, posted a win in the girls 13-14 100 free, 1:03.9 and the senior womens 200 free, 2:17.8.

Terilou Feiss, CCST, won the girls 13-14 200 free, 2:23.7 and the senior womens 400 free, 4:59.6.

In the boys 10 and under competition, three boys listed double wins. Karl Van Note, VSC, finished first in the 50 free, 1:13.3 and the 100 free, 1:09.7, while Mac McKeever, PALY, swam to wins in the 50 back, 37.9 and the 50 fly, 35.6. Ron Bregman, CNSA, took the 50 breast, 44.0 and the 200 IM, 2:52.8.

Seth Rickman, ECSA, and Mike Webb, CNSA, each doubled in the boys 13-14 division. Rickman had wins in the 100 and 200 free with times of 59.2 and 2:11.2, while Webb finished first in the 100 breast, 1:20.1 and the 200 IM, 2:31.5.

In the open competition, Gretchen Dobrott, CNSA, placed first in the women's 100 and 200 breast with times of 1:27.6 and 3:04.7.

CORDOVA STATE FAIR MEET

Over 7,300 swimmers came to the 10th Annual Cordova State Fair Swim Meet on September 1-3. Dana Davidson, MDSC, topped all with nine first place wins in the 10 and under competition.

Miss Davidson listed wins in the 50 free, 28.5, the 100 free, 1:03.0, the 200 free, 2:17.0, the 50 back, 36.2, the 100 back, 1:18.3, the 50 fly, 32.0, the 100 fly, 1:15.0, the 100 IM, 1:13.4 and the 200 IM, 2:41.4.

In the boys 10 and under competition, David Daniels, PSC, finished first in the 100 free, 1:00.3, the 200 free, 2:09.6, the 100 breast, 1:22.2 and the 200 IM, 2:31.1. Todd McMurdo, REDD, led the way in the 100 back, 1:10.2, the 50 fly, 29.6 and the 100 fly, 1:07.9. Kevin Donahue, DA, came up with wins in the 50 free, 27.7, the 50 breast, 38.3 and the 100 IM, 1:10.4.

Nancy Hansen, DA, posted wins in the girls 11-12 100 free, 58.0, the 200 free, 2:04.5, the 500 free, 5:25.6 and the 100 fly, 1:03.0. Noel Moran, LOHC, finished first in the 100 back, 1:07.8, the 50 breast, 33.9, the 100 breast, 1:13.6 and the 200 IM, 2:20.2. Kristi Massola, MVM, doubled in the 50 back, 31.6 and 50 fly, 28.9.

In the boys 11-12 competition, Andy Maryatt, DA, won the 50 free, 26.1, the 500 free, 5:26.0, the 50 fly, 28.3, the 100 fly, 1:04.3 and the 200 IM, 2:21.4. Mike Brown, CORD, took the 100 and 200 free with times of 57.0 and 2:02.6. David Cunningham, MDSC, won the 50 and 100 back, 30.9 and 1:07.5.

Tito Morales, SRSC, came up with wins in the 13-14 500 free, 5:15.4, the 100 back, 59.8, the 200 back, 2:15.8, the 200 fly, 2:09.0 and the 200 IM, 2:08.7. Jill Symons, CAJ, also listed five

wins in the 100 free, 57.1, the 100 breast, 1:11.7, the 200 breast, 2:35.3, the 100 fly, 1:02.4 and the 200 IM, 2:17.3. Connie Sosnoff, CAJ, tripled in the 100 back, 1:05.1, the 200 back, 2:20.5 and the 200 fly, 2:18.5. Victoria Bailie, DA, doubled in the 200 and 500 free with times of 2:02.7 and 5:26.7.

Linda Stock, LAK, had five first place wins in the girls 15-17 100 free, 56.7, the 100 back, 1:06.1, the 200 back, 2:18.4, the 200 fly, 2:14.5 and the 200 IM, 2:18.7. Laurie Provost, FIG, finished first in the 200 free, 2:00.4 and the 200 breast, 2:42.1.

Gary Krage, CHM, had wins in the 15-17 50 free, 22.6, the 100 free, 49.6, the 100 breast, 1:03.4 and the 200 breast, 2:20.8. Perry Lange, PHSC, won the 200 back, 2:03.3 and the 100 and 200 fly with times of 53.5 and 1:59.9. Tom Nicolaysen, SCSC, doubled in the 200 free, 1:49.2 and the 500 free, 4:54.5.

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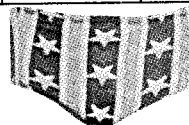
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**AAU
meets midwest**

Columbia Swim Club, Columbia, Missouri piled up 876½ team points to capture the Seventh Annual Missouri Valley District Junior Olympic Championships.

Top honors in the boys 10 and under went to Kevin Unger, STJO, winning the 100 free, 1:18.4, the 200 free, 2:53.8, the 100 back, 1:30.4, the 50 breast, 46.8, the 100 breast, 1:43.4 and the 200 IM, 3:18.6. Shelly Bieck, MAST, dominated the girls 10 and under with wins in the 50 free, 34.9, the 100 free, 1:17.7, the 200 free, 2:49.3, the 50 fly, 38.4, the 100 fly, 1:30.6 and the 200 IM, 3:11.3.

In the 11-12 boys competition, Charlie Padron, SPG, took the 100 free, 1:10.9, the 50 fly, 35.7 and the 100 fly, 1:22.1, while Paul Palmisano, CPY, won the 200 free, 2:34.8, the 400 free, 5:25.6, the 100 back, 1:22.3 and the 200 back, 2:57.2. In the 11-12 girls class, Marla Thompson, CMSC, and Gwen Gorman, CPY, both scored three wins. Marla took the 50 free, 31.3, the 100 free, 1:10.6 and the 200 free, 2:36.4. Gwen captured the 100 back, 1:23.4, the 200 back, 3:00.2 and the 200 IM, 3:03.1.

The 13-14 division was dominated by David Hall, JCSC, with six wins. Hall took first in the 100 free, 1:02.5, the 200 free, 2:17.4, the 100 back, 1:10.7, the 200 back, 2:33.4, the 100 fly, 1:10.4 and the 200 IM, 2:36.7. Janet Leuthold, CSC, captured five firsts in the 13-14 girls class with wins in the 400 free, 5:17.7, the 200 back, 2:52.2, the 100 fly, 1:18.0, the 200 fly, 3:03.6, and the 200 IM, 2:54.0.

The 15-17 boys division was a battle for top honors between Peter Omundson, LCC, and Victor Arnold, JCSC. While in

the 15-17 girls division, Lynn Cox, CSC, and Sharon Greene, STJO, were both multiple winners. In the open class, Gordon Docking, WY, was a double winner, and in the girls open, Lynn Cox, won four events — the 50 free, 30.0, the 100 free, 1:06.6, the 200 fly, 2:51.2 and the 400 IM, 5:55.3.

CLAYTON SHAW PARK MEET

Ed Crawford, CSP, led the field at the Clayton Shaw Park Age Group and Open Swim Meet in Clayton Missouri.

Crawford listed six first place wins in the boys 13-14 competition. Ed won the 100 free, 59.3, the 200 free, 2:08.2, the 400 free, 4:29.2, the 100 back, 1:07.4, the 200 back, 2:24.0 and the 200 IM, 2:28.1.

Kim Nicholson, SWIM, and Tom Molina, CSP, each dominated their age group. Miss Nicholson placed first in the girls 9-10 100 free, 1:17.2, the 200 free, 2:49.6, the 100 back, 1:28.0, the 100 fly, 1:29.0 and the 200 IM, 3:10.5. Molina had wins in the boys open 100 free, 59.4, the 200 free, 2:06.6, the 400 free, 4:26.6, the 200 IM, 2:24.8 and the 400 IM, 5:07.1.

In the 9-10 division, Doug Maley, SWIM, finished first in the 100 free, 1:14.4, the 200 free, 2:41.2, the 100 fly, 1:25.3, and the 200 IM, 3:04.6.

Allen Pflueger, FST, led the way in the 11-12 age group. Pflueger had wins in the 100 free, 1:07.3, the 200 free, 2:23.3, the 100 back, 1:15.4, and the 200 IM, 2:45.4. Janet Becherer, BICY, won the girls 200 free, 2:35.0 and the 200 IM, 2:56.1.

In the 13-14 competition, Mary Rimroth, SWIM, listed four first place wins. Miss Rimroth won the 100 free, 1:06.8, the 400 free, 5:01.6, the 200 IM, 2:46.8 and the 400 IM, 5:53.8. Mary Bulmer, BICY, finished first in the 100 breast, 1:29.9 and the 100 fly, 1:13.5. John Donnef, unattached, took the boys 100 and 200 breast with times of 1:18.9 and 2:51.7.

John Halliburton, CSP, had four wins in competition. Halliburton came up with wins in the 13-14 100 and 200 fly with times of 1:05.2 and 2:23.1 and the open 100 and 200 fly in 1:04.2 and 2:21.0.

In the girl's open, Pam Russell, PWAY, took the 100, 200 and 400 free with times of 1:05.3, 2:23.0 and 5:03.9. Nancy Schnorbus, PWAY, finished first in the 100 and 200 back, 1:12.8 and 2:34.2.

Jamey Powell, PWAY, doubled in the men's open 100 and 200 back in 1:05.8 and 2:22.2.

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Girls 10 and under — 50 free, Kathy Parkinson, CY, 35.6; 100 free, Shelly Kramer, SHER, 1:19.8; 50 back, Kramer, 43.3; 50 breast, Susie Marquardt, SHER, 47.3; 50 fly, Kramer, 37.9; 400 IM, Kramer, 3:19.0.

Girls 11-12 — 50 free, Cathy Trau, SPG, 31.9; 100 free, Nicole Kramer, SHER, 1:09.7; 200 free, Kramer, 2:43.8; 100 back, Trau, 1:25.3; 100 breast, Maureen Cullen, 1:31.6; 100 fly, Kramer, 1:18.7; 200 IM, Kramer, 2:53.2.

Girls 13-14 — 50 free, Kaki Logan, SHER, 30.7; 100 free, Logan, 1:08.6; 200 free, Janet Leuthold, SCS, 2:28.7; 100 back, Julie Saupe, CSC, 1:21.1; 100 breast, Julie Bower, SHER, 1:30.6; 100 fly, Leuthold, 1:16.1; 200 IM, Leuthold, 2:51.0; 400 IM, Leuthold, 6:04.2.

Girls Open — 100 free, Vicki Cox, CY, 1:06.5; 200 free, Nancy Winters, 2:23.3; 400 free, Winters, 5:05.5; 100 back, Cox, 1:17.4; 200 back, Cox, 2:52.1; 100 breast, Joanie French, SPG, 1:27.6; 200 breast, Julie Bower, SHER, 3:12.2; 100 fly, Cox, 1:17.3; 200 IM, Cox, 2:50.1; 400 IM, Cox, 6:05.2.

Boys 10 and Under — 50 free, Todd Tipton,

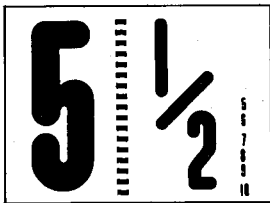
KMSC, 34.0; 100 free, Tipton, 1:14.3; 200 free, Tipton, 2:39.6; 50 back, Tipton, 41.5; 50 breast, Bob McAdam, 44.6; 50 fly, Tom Elgin, CY, 38.9; 200 IM, Tipton, 3:05.1.

Boys 11-12 — 50 free, J. Lathrop, Mc-D, 30.4; 100 free, Paul Feldman, DSC, 1:07.2; 200 free, Feldman, 2:24.7; 100 back, Feldman, 1:21.0; 100 breast, Cort Hegarty, 1:29.7; 100 fly, Feldman, 1:16.3; 200 IM, Feldman, 2:48.8; 400 IM, Feldman, 5:58.8.

Boys 13-14 — 50 free, Steve Wilson, CY, 27.6; 100 free, Wilson, 1:01.4; 200 free, Brian Clark, DSC, 2:14.7; 100 back, David Hall, JCSC, 1:10.8; 100 breast, Mike Cullen, SOON, 1:22.4; 100 fly, Hall, 1:09.2; 200 IM, Wilson, 2:31.7; 400 IM, Wilson, 5:21.0.

Boys Open — 100 free, Victor Arnold, JCSC, 58.9; 200 free, Stew Delnevo, SPG, 2:09.5; 400 free, Delnevo, 4:38.5; 100 back, Curt Mateer, SHER, 1:06.7; 200 back, Mateer, 2:26.9; 100 breast, Mark Wussler, CSC, 1:21.6; 200 breast, Mateer, 2:55.2; 100 fly, Delnevo, 1:05.9; 200 IM, Mateer, 2:27.3; 400 IM, Mateer, 5:19.1.

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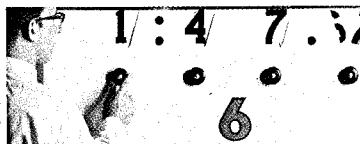


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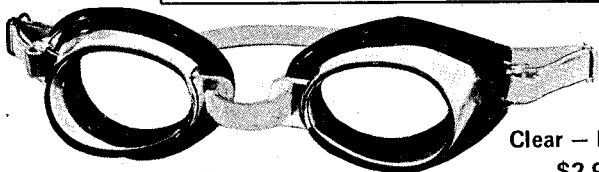
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AAU meets south

Multiple winners were numerous at the Tyler Invitational in Tyler, Texas on August 17-18.

In the 9-10 competition, Mary Murray, LJ, finished first in the girls 55 breast, 45.7 and the 220 IM, 3:25.3, while Nancy Neal, OAC, took the girls 55 and 110 free with times of 37.2 and 1:23.3. David Dowell, CSSC, had wins in the boys 55 and 110 free, 33.6 and 1:16.7.

Dorinda Jung, LJ, listed five first place wins in the girls 11-12 division. Miss Jung took the 110 free, 1:10.5, the 220 free, 2:32.7, the 110 breast, 1:33.7 and the 220 IM, 2:01.0. Robert Sherman, WFD, in the boys competition, had wins in the 110 free, 1:05.3, the 220 free, 2:26.0, the 110 back, 1:20.2 and the 220 IM, 2:47.6.

In the 13-14 age group, Nancy Goldstein, SAD, and Monica Ross, SAD, were double winners. Miss Goldstein came up with wins in the 110 free, 1:09.8 and the 220 free, 2:33.8, while Miss Ross doubled in the 110 back, 1:22.5 and the 220 IM, 2:55.5. Rex Painter, CSSC, posted wins in the boys 110 free, 1:03.0, the 110 back, 1:12.7, the 110 breast, 1:23.4 and the 220 IM, 2:34.9.

Helen Horn, AAC, finished first in the girls open 110 free, 1:06.9, the 220 free, 2:28.5, the 220 fly, 3:02.7 and the 440 IM, 6:08.7. Libby Dickerson, SAD, posted wins in the 110 breast, 1:29.1, the 220 breast, 3:13.1 and the 110 fly, 1:19.2.

Wendy Smith, WFD, had five first place wins in the boys open. Smith took the 110 back, 1:11.5, the 110 fly, 1:05.8, the 220 fly, 2:31.0, the 220 IM, 2:28.5 and the 440 IM, 5:21.0.

Dick Worrell, AAC, finished first in the open 110 and 220 free with times of 56.5 and 2:04.0, and Joe Hale, SAD, came up with wins in the open 1650 free, 18:15.6 and 220 back, 2:36.4.

McCLELLAN INVITATIONAL

The McClellan Invitational was held on August 11-12 in McClellan, Georgia. The following is a list of first place finishers.

Girls 10 and Under — 50 free, P. Guay, MCCL, 32.6; 100 free, C. Almy, MCCL, 1:10.5; 50 back, J. Hitchcock, CHP, 38.9; 50 breast, P. Eccobacci, GVP, 41.8; 50 fly, Eccobacci, 37.1; 100 IM, D. Dickey, GVP, 1:22.5.

Girls 11-12 — 50 free, B. Kress, MCCL, 28.0; 100 free, Kress, 1:01.1; 100 back, T. Russell, RNOD, 1:10.9; 100 breast, Kress, 1:19.3; 100 fly, Kress, 1:11.0; 200 IM, Kress, 2:30.0.

Girls 13-14 — 50 free, N. Eichbaum, RNOD, 27.3; 100 free, Eichbaum, 1:00.0; 100 back, Eichbaum, 1:11.6; 100 breast, M. Moore, RNOD, 1:20.1; 100 fly, Moore, 1:09.5; 200 IM, Eichbaum, 2:32.1.

Girls 15-17 — 50 free, K. Roberts, GVP, 27.9; 100 free, T. Seymour, CMST, 1:01.8; 100 back, R. Reed, RNOD, 1:13.1; 100 breast, Roberts, 1:17.6; 100 fly, Seymour, 1:12.3; 200 IM, Seymour, 2:36.8.

Boys 10 and Under — 50 free, J. Engs, RNOD, 28.7; 100 free, Engs, 1:02.5; 50 back, Engs, 33.4; 50 breast, Engs, 40.5; 50 fly, M. Davis, ROSE, 31.7; 100 IM, Engs, 1:13.0.

Boys 11-12 — 50 free, K. Byers, MCCL, 28.1; 100 free, Byers and R. Thomas, RNOD, 1:02.2; 100 back, Byers, 1:14.1; 100 breast, E. Robbins, CMST, 1:22.2; 100 fly, T. Tolliver, MCCL, 1:11.7; 200 IM, Byers, 2:33.7.

Boys 13-14 — 50 free, J. Scoville, CHP, 25.6; 100 free, Scoville, 55.3; 100 back, K. Mundy, FFSO, 1:06.4; 100 breast, R. Tolliver, MCCL, 1:15.7; 100 breast, R. Tolliver, MCCL, 1:15.7; 100 fly, Scoville, 1:06.1; 200 IM, K. Mundy, FFSO, 2:20.7.

Boys 15-17 — 50 free, T. Tucker, RNOD, 23.8; 100 free, Tucker, 53.5; 100 back, D. Peters, RNOD, 1:02.6; 100 breast, B. Pope, RNOD, 1:10.5; 100 fly, Tucker, 1:01.4; 200 IM, Pope, 2:16.4.

REGION III CHAMPIONSHIPS

Lloyd Ireland, MSUSC, and Terry Traynor, DDY, led the field at the Region III Long Course and Open Swimming Championships at Memphis, Tenn. on August 2-4.

Miss Ireland listed wins in the womens 100 free, 1:02.4, the 100 fly, 1:08.5 and the 200 IM, 2:34.8.

Miss Traynor took the womens 200, 400 and 1500 free with times of 2:18.4, 4:47.5 and 18:25.6.

Mike Currington, BSL, came up with wins in the mens 100 free, 54.0, the 200 fly, 2:10.0 and the 200 IM, 2:15.9.

Allison Grant, unattached, doubled in the womens 100 and 200 breast with times of 1:18.1 and 2:49.2.

Will Artley, unattached, dominated the mens 200 back, 2:11.8 and 100 fly, 58.2, while Bill Forrester, BSL, won the mens 200 and 400 free, 1:59.6 and 4:11.1. Stuart Corliss, MSUSC, swam to wins in the 100 and 200 breast, in clockings of 1:11.2 and 2:35.5.

WEST COAST CHAMPIONSHIPS

Jack Salzman, SSC, and Bobby Buresh, PCL, were triple winners at the West Coast League Long Course Championships.

Salzman had wins in the boys 10 and under 50 free, 32.1, the 50 back, 38.2 and the 200 IM, 2:54.3. Buresh finished first in the boys 13-14 100 back, 1:07.2, 100 fly, 1:03.0 and the 200 IM, 2:28.2.

Linda Wadsworth, CVST, finished first in the 10 and under 50 free, 34.9 and the 50 fly, 39.8, while Kris Isackson, CFY, listed wins in the 50 back, 41.0 and the 200 IM, 3:12.8.

Lisa Jo McDanel, SSC, doubled in the girls 11-12 100 fly, 1:18.9 and the 200 IM, 2:52.3. Elene Jones, SSC, dominated the girls 100 free, 1:07.2 and the 100 back, 1:21.8.

In the 15-17 competition, Karen Stottlemyer, SSC, took the 100 free, 1:07.0 and the 100 fly, 1:12.5. Russ Barnhardt, SPRD, posted wins in the boys 100 breast, 1:15.6 and the 200 IM, 2:24.6.

Robert Rehnke, SPRD, took the boys 11-12 100 free, 1:06.9 and the 200 IM, 2:54.5.

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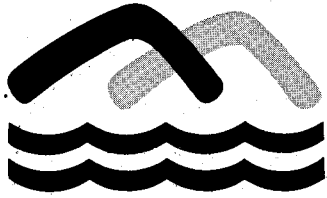
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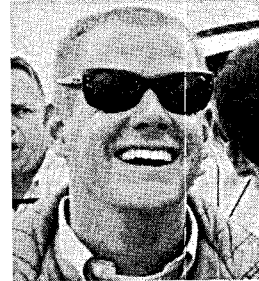
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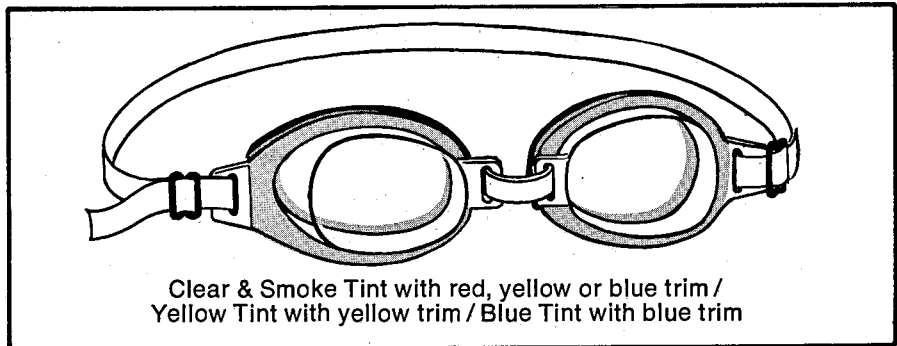
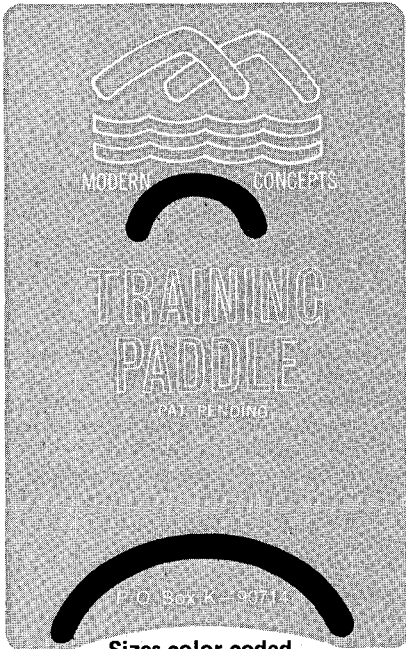
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**AAU
meets east**

Many double winners were listed among the ranks of first place finishers at the 1973 Region VI AAU Men's and Women's Swimming Championship at Portage Park, Chicago on August 3-5.

In the women's competition, Camille Wright, LSC, listed wins in the 100 and 200 fly with times of 1:06.85 and 2:26.06. Kathy Wickstrand, Riv., finished first in the 200 free, 2:14.14 and 400 free, 4:37.95. Robin Wright, PLAN, dominated the back, winning the 100 and 200 in 1:11.45 and 2:30.52.

Marcia Morey, DSC, had wins in the 100 breast, 1:17.20 and 200 breast, 2:46.67. Terry Potts, LSC, took the 200 and 400 IM with times of 2:31.64 and 5:15.48. Kris Odenwald, CPM, posted a win in the 1500 free, 18:07.28, while S. O'Connell, TSC, came up with a win in the 100 free, 1:01.73.

John Murphy, BGSC, won the men's 100 free, 53.96 and the 100 back, 1:00.95. Fred Tyler, BGSC, had wins in the 200 IM, 2:15.38 and the 200 free, 1:59.43. John Kinsella, BGSC, posted wins in the 400 free, 4:09.88 and the 1500 free, 16:20.72.

Kevin Mills, ERIE, took the 100 and 200 breast with times of 1:12.65 and 2:36.20. G. Scott, MHSC, finished first in the 100 fly, 59.11, and Tom Beyer, BGSC, listed a win in the 200 fly, 2:11.71. Tom Szuba, TSC, came up with a win in the 400 IM, 4:49.80, while Dan Harrigan, MM, swam to a win in the 200 back, 2:10.70.

WRIGHT BROTHERS INVITATIONAL

The 13th Annual Wright Brothers Swimming Invitational was held at Dayton, Ohio on July 13-15. The following is a list of first place finishers.

Girls 10 and Under — 50 free, K. Schroeter, JBS, 34.27; 100 free, P. Currie, GCP, 1:16.44; 50 back, T. Skinner, unattached, 40.68; 50 breast, M. Pont, LRS, 45.407; 50 fly, J. Westhaus, ASC, 38.56; 200 IM, Pont, 3:08.954.

Girls 11-12 — 50 free, K. Hillen, CPM, 30.63; 100 free, Hillen, 1:06.08; 200 free, Hillen, 2:20.63; 100 back, D. Diederichs, DDL, 1:13.38; 100 breast, R. Emrich, GCO, 1:27.76; 100 fly, Diederichs, 1:16.217; 200 IM, Hillen, 2:44.76.

Girls 13-14 — 50 free, L. Koote, GCP, 30.46; 100 free, R. Laravie, DDL, 1:05.52; 200 free, D. Staley, DDL, 2:20.58; 100 back, L. Loomis, GCP, 1:14.90; 100 breast, Laravie, 1:23.59; 100 fly, C. Brown, GCP, 1:12.22; 200 IM, Laravie, 2:40.34.

Girls 15-17 — 50 free, D. Wrist, DDL, 29.90; 100 free, B. McKee, WSC, 1:04.15; 200 free, Wrist, 2:18.12; 100 back, McKee, 1:13.75; 100 breast, B. Titsch, KYM, 1:24.27; 100 fly, B. Woodrow, DDL, 1:11.98; 200 IM, Woodrow, 2:37.99.

Girls Open — 400 free, D. Wrist, 4:53.60; 1500 free, T. Bischoff, SSC, 19:00.90; 200 back, B. McKee, 2:39.84; 200 breast, R. Laravie, 3:01.14; 200 fly, C. Brown, GCP, 2:46.42; 400 IM, B. Woodrow, DDL, 5:30.763.

Boys 10 and Under — 50 free, B. Faire, SSC, 32.99; 100 free, Faire, 1:11.73; 50 back, G. Hoess, UAS, 37.69; 50 breast, K. Kody, WSC, 42.67; 50 fly, J. Kratzer, GCO, 34.72; 200 IM, Faire, 3:00.06.

Boys 11-12 — 50 free, M. Denen, SPS, 29.64; 100 free, Denen, 1:05.92; 100 back, C. Roberts, CPM, 1:14.49; 100 breast, M. Bergman, CPM, 1:26.30; 100 fly, J. Stilling, CPM, 1:12.50; 200 IM, Stilling, 2:43.31.

Boys 13-14 — 50 free, P. Aldag, UAS, 28.52; 100 free, Aldag, 1:01.11; 200 free, Aldag, 2:11.84; 100 back, J. Jennie, GCO, 1:13.41; 100 breast, K. Whitaker, DDL, 1:17.903; 100 fly, Aldag, 1:05.62; 200 IM, Whitaker, 2:29.50.

Boys 15-17 — 50 free, D. Schipper, GCN, 26.52; 100 free, M. DeVore, UAS, 57.69; 200 free, DeVore, 2:04.55; 100 back, Schipper, 1:06.91; 100 breast, R. Krehnbrink, GCN, 1:15.80; 100 fly, DeVore, 1:03.33; 200 IM, DeVore, 2:23.82.

Boys Open — 400 free, M. DeVore, 4:20.03; 1500 free, DeVore, 17:09.82; 200 back, A. Ensley, FFS, 2:24.69; 200 breast, R. Krehnbrink, 2:50.06; 200 fly, R. Ratterman, GCN, 2:19.70; 400 IM, Ensley, 5:08.03.

CHEEKTOWAGA ANNUAL MEET

The Cheektowaga Swim Club sponsored their Third Annual Outdoor Long Course Meet on Aug. 4-5, in Cheektowaga, New York. Twenty-two teams participated with 3,600 entries.

Doug Peel of Fairport Swim Club finished first in the 10 and under 50 free, 33.0, the 100 free, 1:14.76, the 50 back, 38.44 and the 50 breast, 44.28. Matt Krawczyk, CHSC, finished first in the 50 fly, 38.0 and the 200 IM, 3:04.75.

In the 11-12 competition, Joe Zwierzchowski, CHSC, placed first in the 50 free, 32.25; the 100 free, 1:10.60 and the 200 free, 2:22.52. Andy Cohen, WBSC, took first in the 100 back, 1:21.41 and the 100 fly, 1:24.49. Mark Stohrer, unattached, dominated the breast, winning the 50 and 100 in 40.54 and 1:32.35.

In the 13-14 division, Jeff Moxie, CHSC, took the 50 free, 28.10, the 50 breast, 35.85 and the 100 breast, 1:21.28. Gary Weintraub, NSC, listed wins in the 100 free, 1:02.33, the 200 free, 2:15.07, the 100 fly, 1:07.5 and the 200 IM, 2:35.46.

Jeff Gruber, WBSC, doubled in the men's open 100 free, 59.81 and the 200 IM, 2:32.28. Robert Nichols, NSC, placed first in the 200 free, 2:11.3 and the 200 fly, 2:33.16.

In the girls 10 and under competition, Kim Miller, PSC, posted four wins in the 50 free, 34.37, the 100 free, 1:15.5, the 50 back, 38.59 and the 50 fly, 36.62. Sue Stohrer, unattached, doubled in the 50 breast, 45.22 and the 200 IM, 3:04.39.

Kathy McQuaid, WBSC, listed four first place wins in the 11-12 50 breast, 41.25, the 100 breast, 1:29.5, the 100 fly, 1:19.05 and the 200 IM, 2:53.21. Kelly Albright, ASC, tripled in the 100 free, 1:13.75, the 200 free, 2:38.19 and the 100 back, 1:22.8.

Cheryl Carpenter, WBSC, dominated the 13-14 age group with seven first place wins. Her wins came in the 50 free, 30.70, the 100 free, 1:08.50, the 200 free, 2:26.21, the 200 back, 2:41.77, the 50 breast, 41.14, the 100 fly, 1:16.35 and the 200 IM, 2:44.48.

In the women's open competition, Sharon Bauer, WBSC, took the 100 and 200 fly, 1:22.44 and 3:14.21 and the 200 IM, 2:42.68. Debbie Carroll, NSC, listed wins in the 100 and 200 free, 1:07.74 and 2:23.97.

NEW YORK CHAMPIONSHIPS

Twenty-six clubs with 563 swimmers came to the 9th Annual New York State Long Course Championships in Syracuse, New York on August 10-12.

Sharon Bauer, WBSC, finished first in

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won the 110 and 220 breast, 1:20.9 and
2:55.0. Robin Butler, SC, took the 220 IM,
2:38.7 and the 440 IM, 5:40.5. Carol
Keating, FY, listed wins in the 110 free,
1:04.2 and the 220 free, 4:59.1.

Tom McNiven, GAA, placed first in the
men's 110 breast, 1:15.6 and the 220 IM,
2:22.0. Don Langenmayr, LSC, finished
first in the 110 fly, 1:02.3 and the 220 free,
2:06.8. Robert Nichols, NSC, posted wins
in the 440 and 1650 free, with times of
4:25.9 and 17:40.0.

STONE DOCK INVITATIONAL

The Stone Dock Swim Club of High
Falls, New York held and won their First
Annual Invitational Swim Meet (SC) on
August 10-12.

In the 9-10 competition, Ann Green,
Watertown, had wins in the 100 free,
1:10.3, the 50 back, 37.6 and the 200 IM,
2:58.7. Jenny Pacio, Pok Y, was a double
winner in the 50 breast, 40.7 and the 50
fly, 34.6.

Ten year old Andy Chan, Pok Y,
dominated the boys events with wins in
the 100 free, 1:03.4, the 200 free, 2:18.6,
the 50 back, 33.4 and the 50 fly, 33.6.

In the 11-12 competition, Shari
Grandrath, unattached, had wins in the
100 and 400 free, 1:02.2 and 4:48.5.

Mary Pechloff, Stone Dock, took the
13-14 100 free, 58.2, the 100 back, 1:07.5
and the 100 fly, 1:04.5. Mary Grabowski,
Pok Y, won the 400 free, 4:31.0 and the
100 breast, 1:18.6. Peter Robbiano,
Colonie Aquatic, doubled in the 100 free,
54.2 and the 100 fly, 1:00.3.

In the open division, Anne St. Denis,
Stone Dock, came up with four wins in the
100 free, 59.5, the 100 back, 1:04.3, the 100
fly, 1:09.6 and the 200 IM, 2:26.0.
Maureen Begley, Stone Dock, doubled in
the 100 and 200 breast with times of 1:19.3
and 2:51.4.

In the men's open, Kevin Connell, Pok
Y, dominated the 100 and 200 breast, with
times of 1:07.0 and 2:27.5.

FREEDLANDER MEET

Mark DeVore, UASC, topped the Fifth
Annual Freedlander Age Group and Open
Swimming Meet in Wooster, Ohio on
August 8th.

DeVore listed seven first place wins in
the 15-17 100 free, 57.47, the 100 fly,
1:03.23, the 200 IM, 2:23.55, the open 200
free, 2:04.19, the 200 back, 2:23.90, the
200 fly, 2:19.02 and the 400 IM, 5:03.59.

John Kratzler, GCSC, came up with
three wins in the 10 and under 50 free,
32.84, the 50 fly, 35.91 and the 200 IM,
3:00.04.

In the girls 10 and under competition,
Michele Sohner, WWSC, placed first in
the 50 free, 34.07 and the 50 back, 40.15.
Tara Skinner, unattached, doubled in the
50 fly, 39.47 and the 200 IM, 3:13.76.

Sandy Sharick, UASC, had wins in the
11-12 50 back, 36.03 and the 200 IM,



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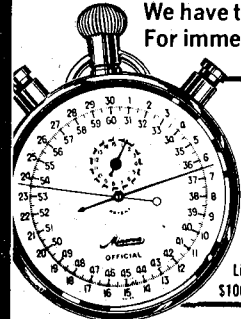
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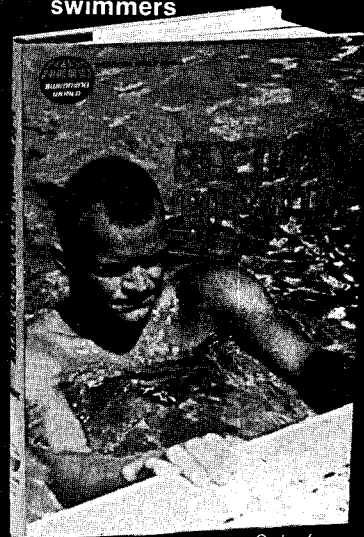
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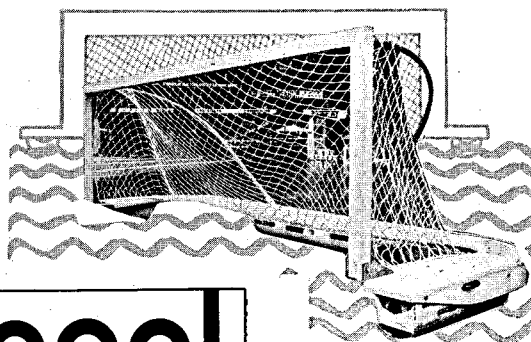


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2:50.03. Dave Christenson, GV, took the
 100 free, 28.32 and the 50 fly, 30.88. Drew
 Fraser, KCO, posted wins in the 50 back,
 32.00 and the 200 IM, 2:34.63.

In the 13-14 division, Linda Zadel, COP,
 came up with wins in the 100 back, 1:16.84
 and the 200 IM, 2:46.19. Phil Aldag,
 UASC, dominated the 100 free, 1:00.45
 and the 100 fly, 1:04.61.

Cindy Simmonds, unattached, had four
 first place wins in the 15-17 100 free,
 1:06.70 and the 200 IM, 2:44.191, and the
 open 200 free, 2:24.88 and the 400 IM,
 5:49.95.

Frank Polefrone, ASC, doubled in the
 15-17 100 breast, 1:15.939 and the open
 200 breast, 2:48.64.

NEW JERSEY JUNIOR OLYMPICS

Kelly Galvin, CJAC, Debbie Pyykko,
 Shore, Mike Treumuth, Shore, and Denise
 McPhilamy, Olympia, led the field at the
 New Jersey Junior Olympic Long Course
 Championships at Lake Mohawk.

Miss Galvin finished first in the 15-17
 200 free, 2:20.9, the 400 free, 4:58.2 and
 the 200 back, 2:40.6. Miss McPhilamy
 took the 10 and under 200 free, 2:47.5, the
 50 fly, 38.9 and the 200 IM, 3:04.8.

In the 10 and under competition, Lynne
 Blomberg, Montclair YMCA, listed wins
 in the 50 and 100 free with times of 34.2
 and 1:15.3. Chris Kennedy, Olympian SC,
 doubled in the boys 50 free, 33.0 and the
 50 back, 39.1.

Miss Pyykko had her wins in the girls
 11-12 200 free, 2:25.7 and the 50 and 100
 fly with times of 33.4 and 1:16.8.
 Treumuth led with wins in the 50 free,
 29.9, the 50 fly, 35.2 and the 100 fly,
 1:18.4.

Elizabeth Johanson, Passaic-Clifton Y,
 doubled in the girls 11-12 100 back, 1:22.2
 and the 200 IM, 2:51.7. Mark Beutler,
 unattached, came up with wins in the boys
 200 free, 2:27.3 and the 50 back, 35.4.

In the girls 13-14 competition, Judy
 Toher, Central Jersey AC, doubled in the
 400 free, 4:56.5 and the 200 fly, 2:43.9,
 while Arlene McCoy, Olympia, domina-
 ted the 100 and 200 breast with times of
 1:27.4 and 3:10.0. Sarah Ward, CJAC,
 finished first in the 100 and 200 free,
 1:05.1 and 2:20.0, and Pat McAleavey,
 CJAC, placed first in the 100 and 200
 back, 1:14.8 and 2:42.7. Cheryl Ann
 Goerke, unattached, swam to wins in the
 100 fly, 1:12.6 and the 200 IM, 2:45.4.

Ben Doyle, Somerset Valley YMCA,
 listed wins in the 13-14 100 and 200 breast,
 with times of 1:19.2 and 2:55.4. Roland
 Benekey, Ridgewood YMCA, won the 50
 and 100 free, 28.0 and 1:02.0, while Glenn
 Zagoria, Ridgewood, took the 100 back,
 1:09.6 and the 200 back, 2:28.6. Ron
 Cummins, Ridgewood, posted wins in the
 100 fly, 1:12.6 and the 200 IM, 2:36.7.

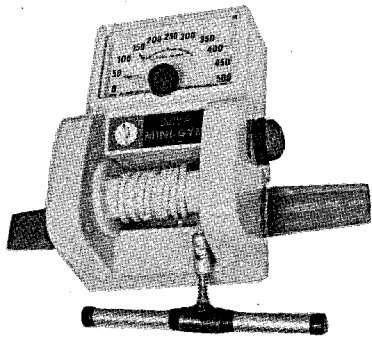
In the 15-17 division, Laurie Schulte,
 Montclair YMCA, led the 50 and 100
 free with times of 29.5 and 1:04.7, while
 Patti Pyan, Ridgewood, dominated the
 100 and 200 breast, 1:26.9 and 3:04.2.
 Diane Soden, Montclair, won the 100 fly,
 1:10.5 and the 200 IM, 2:38.8.

Tom Kelly, NJSA, took the 15-17 100
 and 200 breast, 1:13.4 and 2:43.6 and Tom
 Wood, Ridgewood, dominated the 100 and
 200 fly with times of 1:02.9 and 2:25.0.
 Mitch Koiesaire, Ridgewood, came up
 with wins in the 200 back, 2:17.9 and the
 200 IM, 2:21.1.

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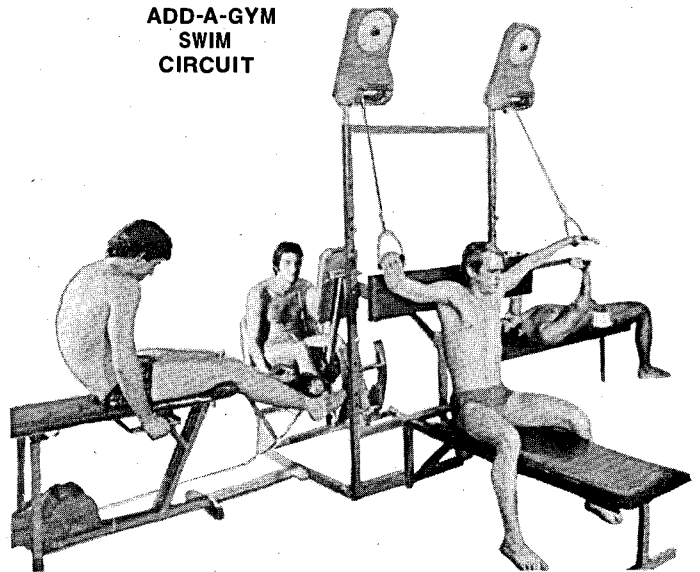
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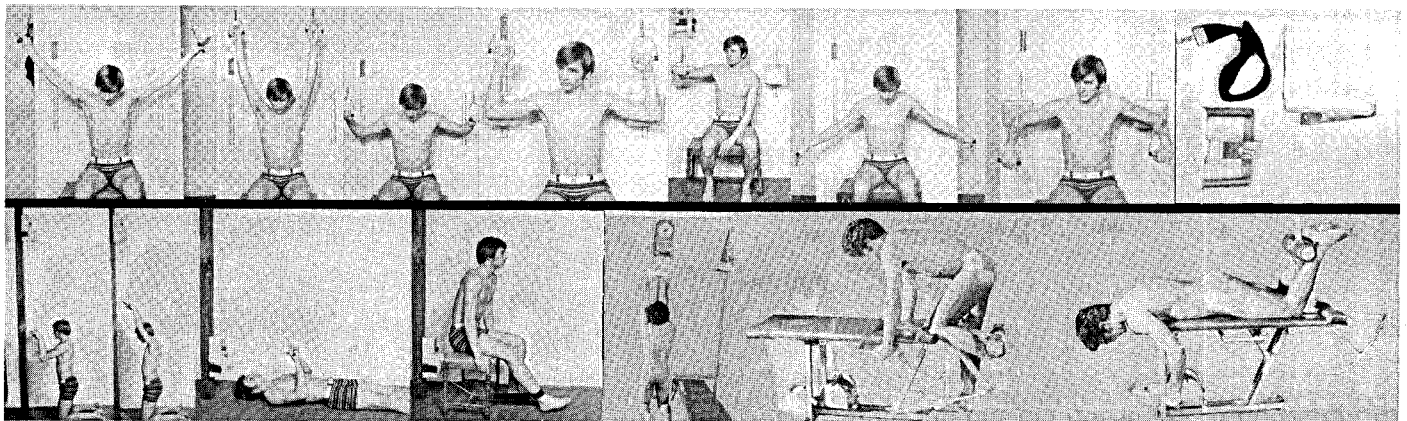
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HEAT 2	
CAN (Cook, Wright, Cliff, Amundrud).....	4:01.444
GER (Beckmann, Reineck, Weber, Steinbach).....	4:02.614
HOL (Brightha, Segaar, Faber, Stel).....	4:02.946
FRA (Berger, Pele, Knibishly, Schertz).....	4:06.470
SUI (Debrunner, Basso, Flamad Monod).....	4:07.664
URS (Kobsova, Schelofastova, Popova, Solotnitskaja).....	4:08.101
ERA (Burle, Guimaraes, Ribeiro, Gross).....	4:13.918

FINAL	
GDR (Ender, Eife, Huebner, Eichner).....	3:52.452*
USA (Peyton, Heddy, Greenwood, Babashoff).....	3:55.527
GER (Weber, Reineck, Beckmann, Steinbach).....	3:58.882
CAN (Amundrud, Wright, Cook, Cliff).....	4:00.201
SWE (Lundberg, Isaksson, Johansson, Olsson).....	4:02.012
HOL (Brightha, Segaar, Faber, Stel).....	4:02.162
ITA (Podesta, Gorgerin, Lanfredini, Stablini).....	4:06.591
FRA (Berger, Schertz, Pele, Knibishly).....	4:08.258

MEN'S EVENTS

100 M FREESTYLE	
HEAT 1	
Aquino O, BRA.....	53.675
Phillips B, CAN.....	55.708
Orejuela E, ECU.....	56.500
Kinawi A, BGY.....	57.283
Dilmac M, TUR.....	58.514
HEAT 2	
Wenden M, AUS.....	52.671
Diniz A, BRA.....	54.157
Zarnowcecki, SWE.....	54.658
Gorean J, SWE.....	54.836
Lustig R, YUG.....	55.236
Volcan R, VEN.....	55.065
Ferraioli J, PUR.....	57.081
HEAT 3	
Montgomery J, USA.....	52.660
Warncke F, NOR.....	54.018
Eruch P, GDR.....	54.120
Gvarducci M, ITA.....	54.631
Kovacic J, YUG.....	55.735
Versari G, PAN.....	55.970
Santiago C, PUR.....	57.699
HEAT 4	
Murphy J, USA.....	53.162
Pyttel R, GDR.....	53.539
Comas J, ESP.....	54.237
Szentirmai I, HUN.....	56.071
Stoel L, BUL.....	56.236
Charbi A, TUN.....	56.239
Opritescu Z, ROM.....	00.000

HEAT 5	
Bure V, URS.....	52.771
Pangoro R, ITA.....	53.877
Robertson B, CAN.....	53.908
Nocke P, GER.....	53.939
Copin P, FRA.....	56.278
Slavic M, ROM.....	00.000
HEAT 6	
Steinbach K, GER.....	52.986
Rousseau M, FRA.....	53.041
Hrouda M, TCH.....	54.240
Rogers N, AUS.....	54.505
Grievnikov, URS.....	54.584
Georgiev S, BUL.....	55.064

FINAL	
Montgomery J, USA.....	51.708
Rousseau M, FRA.....	52.086
Wenden M, AUS.....	52.222
Bure V, URS.....	52.522
Murphy J, USA.....	52.732
Steinbach K, GER.....	52.820
Pyttel R, GDR.....	53.253
Aquino O, BRA.....	53.701

200 M FREESTYLE	
HEAT 1	
Lampe, GER.....	1:57.621
Robertson, B, CAN.....	1:58.211
Wenden M, AUS.....	1:58.260
Amardel M, FRA.....	1:59.596
Stoel L, BUL.....	2:01.381
Kunaw A, ESP.....	2:02.196
Bozdogan A, TUR.....	2:12.614
HEAT 2	
Bure V, URS.....	1:57.145
Hartung V, DDR.....	1:57.518
Warnock F, NOR.....	1:59.408
Holmberg B, SWE.....	1:59.787
Linhard B, YUG.....	2:02.547
Vesari G, PAN.....	2:07.677
Verraszle Z, HUN.....	0:00.000
HEAT 3	
Nocke P, GER.....	1:57.346
Sanson A, URS.....	1:57.819
MacKenzie I, CAN.....	1:59.510
Georgiev S, BUL.....	2:02.932
Orejuela E, ECU.....	2:03.195
Hara H, JPN.....	2:05.812

HEAT 4	
Pyttel R, GDR.....	1:57.090
Delgado J, ECU.....	1:57.750
Namorado J, BRA.....	1:57.820
Slavic M, ROM.....	1:59.570
Comas J, ESP.....	2:00.340
Yanagidate T, JPN.....	2:04.010
Vivoni A, PUR.....	2:04.200
HEAT 5	
Krumpholz K, USA.....	1:54.582
Badger S, AUS.....	1:57.433
Cinquetti A, ITA.....	1:58.407
Middleton O, FRA.....	1:58.998
Aquino O, BRA.....	1:59.813
Rudan S, YUG.....	2:01.783
Santiago C, PUR.....	2:05.862
HEAT 6	
Montgomery J, USA.....	1:56.737
Brinkley B, GER.....	1:57.123
Zarnowcecki, SWE.....	1:57.509
Pangoro R, ITA.....	1:58.855
Hrouda M, TCH.....	1:58.966
Charbi A, TUN.....	2:01.864
Wilwert J, LUX.....	2:10.545
FINAL	
Montgomery J, USA.....	1:53.027
Krumpholz K, USA.....	1:53.617
Pyttel R, GDR.....	1:53.975
Badger S, AUS.....	1:55.669
Brinkley B, GER.....	1:56.424
Bure V, URS.....	1:56.452
Zarnowcecki, SWE.....	1:56.588
Nocke P, GER.....	1:58.973

400 M FREESTYLE	
HEAT 1	
Cooper B, AUS.....	4:02.381
Bellbring A, SWE.....	4:05.774
Apel A, GDR.....	4:06.133
Lazzaro M, FRA.....	4:18.430
Enchev K, BUL.....	4:24.534
Wilwert J, LUX.....	4:39.022
HEAT 2	
Kulasala J, AUS.....	4:09.322
Miheev V, URS.....	4:13.790
Grozaj D, GER.....	4:16.238
Jovanovic P, BRA.....	4:18.197
Ker M, CAN.....	4:20.104
Charbi A, TUN.....	4:20.184
Canales F, PUR.....	4:24.655
HEAT 3	
Gingsjoe B, SWE.....	4:04.355
Shaw T, USA.....	4:06.574
Cinquetti A, ITA.....	4:09.375
Buckbord D, CAN.....	4:11.725
Dragunov I, URS.....	4:18.792
Toth C, HUN.....	4:22.265
Kinawi A, BGY.....	4:25.712
HEAT 4	
DeMont R, USA.....	4:04.775
Lampe W, GER.....	4:07.019
Hartung W, GDR.....	4:10.903
Namorado J, BRA.....	4:14.377
Castillo G, MEX.....	4:15.223
Treffers M, NZL.....	4:15.819
Vivoni A, PUR.....	4:22.020

FINAL	
DeMont R, USA.....	3:58.188*
Cooper B, AUS.....	3:58.701
Gingsjoe B, SWE.....	4:01.272
Shaw T, USA.....	4:01.567
Bellbring A, SWE.....	4:04.366
Apel A, GDR.....	4:04.923
Lampe W, GER.....	4:09.832
Kulasala J, AUS.....	4:14.626
1500 M FREESTYLE	
HEAT 1	
Deley F, BEL.....	16:41.531
Enchev K, BUL.....	17:18.019
Canales F, PUR.....	17:43.212
Vivoni A, PUR.....	17:53.294
Kinawi A, BGY.....	00:00.000
Diay L, ARG.....	00:00.000
HEAT 2	
Iverson H, NOR.....	16:28.499
Toth C, HUN.....	16:44.361
Buckbord D, CAN.....	16:55.794
Geisler H, GER.....	17:04.237
Kobelev V, URS.....	17:09.541
Fleck L, BRA.....	17:11.626
Almer E, ROM.....	11:40.700
HEAT 3	
Meier A, GDR.....	16:28.787
Castillo G, MEX.....	16:31.745
Dockhorn K, GDR.....	16:32.004
Bas J, ESP.....	16:55.708
Ker M, CAN.....	17:00.622
Lazaro M, FRA.....	17:08.521
Grozaj D, GER.....	17:09.159
Laalot T, FRA.....	00:00.000
FINAL	
Holland S, AUS.....	15:31.859*
DeMont R, USA.....	15:35.440
Cooper B, AUS.....	15:45.040
Kinsella J, USA.....	15:58.708
Gingsjoe B, SWE.....	16:06.017
Treffers M, NZL.....	16:09.338
Bellbring A, SWE.....	16:12.016
Parinov V, URS.....	16:18.241

100 M BACKSTROKE	
HEAT 1	
Wan J, GDR.....	59.535
Seeh L, HUN.....	59.886
Arantes J, BRA.....	1:00.179
Wilford C, AUS.....	1:00.874
Milos P, YUG.....	1:01.561
Volcan R, VEN.....	1:03.022
Kolarov D, BUL.....	1:04.043
HEAT 2	
Murphy J, USA.....	59.332
Steinbach K, GER.....	59.833
Verraszto Z, HUN.....	1:00.495
Kriukin M, URS.....	1:01.926
Berjeau J, FRA.....	1:02.023
Melo B, ESP.....	1:02.655
Lourenco F, BRA.....	1:03.950
HEAT 3	
Stamm M, USA.....	59.101
MacKenzie I, CAN.....	1:00.430
Mark T, AUS.....	1:00.590
Jesse K, HOL.....	1:01.510
Jose U, MEX.....	1:02.455
Podolan H, AUT.....	1:03.397
Grievnikov, URS.....	1:03.830
HEAT 4	
Matthes R, GDR.....	58.694
Barracomb C, PUR.....	1:00.590
Cunningham C, GER.....	1:00.775
Milos N, YUG.....	1:01.011
Pickell S, CAN.....	1:01.333
Ducack P, POL.....	1:01.654
Ignacio A, MEX.....	1:02.604
Santiago C, PUR.....	1:03.843

FINAL	
Matthes R, GDR.....	57.477
Stamm M, USA.....	58.770
Wan J, GDR.....	59.083
Murphy J, USA.....	59.372
Cseh L, HUN.....	59.512
Steinbach K, GER.....	59.770
Arantes J, BRA.....	1:00.370
MacKenzie I, CAN.....	1:00.602
200 M BACKSTROKE	
HEAT 1	
Williams R, AUS.....	2:09.810
Rudolf R, HUN.....	2:11.227
Cunningham C, GER.....	2:11.748
Milos N, YUG.....	2:12.387
Lourenco F, BRA.....	2:15.971
Pickell S, CAN.....	2:16.563
Koskinas E, GRE.....	2:24.196
HEAT 2	
Hove P, USA.....	2:10.227
Ericsson L, SWE.....	2:12.094
MacKenzie I, CAN.....	2:12.212
Arantes J, BRA.....	2:12.924
Berjeau J, FRA.....	2:14.917
Volcan R, VEN.....	2:20.093
Charbi A, TUN.....	00:00.000
HEAT 3	
Mark T, AUS.....	2:09.542
Naber J, USA.....	2:10.132
Nistri M, ITA.....	2:11.031
Wan J, GDR.....	2:12.085
Perez I, MEX.....	2:16.466
Podolah H, AUT.....	2:18.300
Steinbach K, GER.....	00:00.000
HEAT 4	
Matthes R, GDR.....	2:06.753
Verraszto Z, HUN.....	2:07.494
Milos N, YUG.....	2:13.485
Sandberg A, SWE.....	2:13.727
Flores J, MEX.....	2:14.454
Ressang K, HOL.....	2:14.611
Santiago C, PUR.....	2:17.062
Otucik P, POL.....	2:17.305
FINAL	
Matthes R, GDR.....	2:01.878*
Verraszto Z, HUN.....	2:05.890
Naber J, USA.....	2:06.917
Williams R, AUS.....	2:08.166
Hove P, USA.....	2:08.716
Tonelli M, AUS.....	2:09.633
Nistri M, ITA.....	2:10.111
Rudolf R, HUN.....	2:11.425

100 M BUTTERFLY	
HEAT 1	
Floekner H, GDR.....	56.894
Meeuw F, GER.....	57.697
Rogers N, AUS.....	57.984
Krivov V, URS.....	59.478
Ferraioli J, PUR.....	1:00.474
Volcan R, VEN.....	1:01.789
HEAT 2	
Backhaus R, USA.....	56.942
Hara H, JPN.....	58.009
Phillips B, CAN.....	58.689
Szentirmai I, HUN.....	59.097
Orejuela E, ECU.....	59.216
Charbi A, TUN.....	1:04.449
HEAT 3	
Robertson B, CAN.....	56.901
Delgado J, ECU.....	57.355
Lang-Lenton, ESP.....	58.476
Jaramillo J, COL.....	59.130
Alijo E, BRA.....	1:00.393
Waismann S, BRA.....	1:00.886
Schevren J, LUX.....	1:02.686
HEAT 4	
Bottom J, USA.....	55.944
Seymour R, AUS.....	57.687
Pavlicevic A, YUG.....	59.788
Dobrev V, BUL.....	59.990
Dtucik P, POL.....	1:00.342
Heimat O, IRN.....	1:09.202
FINAL	
Robertson B, CAN.....	55.690
Bottom J, USA.....	56.376
Backhaus R, USA.....	56.227
Floekner H, GDR.....	56.757
Seymour R, AUS.....	57.336
Delgado J, ECU.....	57.118
Rogers N, AUS.....	57.580
Meeuw F, GER.....	57.812

200 M BUTTERFLY	
HEAT 1	
Brinkley B, GER.....	2:05.350
Hara H, JPN.....	2:07.754
Glogowski G, GDR.....	2:07.876
Lang-Lenton, ESP.....	2:10.064
Ferraioli J, PUR.....	2:12.211
Waismann S, BRA.....	0:00.000
Belbring A, SWE.....	0:00.000

Chakarov A, BUL.....	1:11.295
Kerola T, FIN.....	1:12.373
Morkal F, TUR.....	1:14.035
HEAT 5	
Hencken J, USA.....	1:04.355
Taguchi N, JPN.....	1:05.802
Balcells P, ESP.....	1:08.886
Szabo S, HUN.....	1:09.637
Finto R, BRA.....	1:09.802
Zajac M, CAN.....	1:09.978

FINAL	
Hencken J, USA.....	1:04.023*
Kriukin M, URS.....	1:04.618
Taguchi N, JPN.....	1:05.614
Wilkie D, GER.....	1:05.743
Pankin N, URS.....	1:06.559
Colella R, USA.....	1:06.690
Glas J, GDR.....	1:07.144
Nigel C, PNG.....	1:08.128

200 M BREASTSTROKE	
HEAT 1	
Kriukin M, URS.....	2:24.850
Taguchi N, JPN.....	2:25.454
Hrdlitschka, CAN.....	2:31.342
Greswick M, AUS.....	2:33.610
Islas G, MEX.....	2:33.992
Hunger A, PER.....	

FOR THE RECORD

FIRST WORLD CHAMPIONSHIPS FOR SWIMMING, WATER POLO, DIVING, AND SYNCHRONIZED SWIMMING Belgrade, Yugoslavia Sept. 4-9 50 meters

WOMEN'S EVENTS *World Record

100 M FREESTYLE

HEAT 1

Eife A, EGE.....	59.610
Berger G, FRA.....	1:00.542
Podesta L, ITA.....	1:01.021
Maurity B, BRA.....	1:01.351
Cliff L, CAN.....	1:03.237
Mross J, BRA.....	1:04.286
Mizouni M, TUN.....	1:07.332
Nastaren H, IRN.....	1:17.303
HEAT 2	
Heddy K, USA.....	1:00.000
Schertz G, FRA.....	1:02.134
Lundberg G, SWE.....	1:02.173
Efendic J, YUG.....	1:03.039
Garcia B, ARG.....	1:06.450
HEAT 3	
Babashoff S, USA.....	59.406
Andersson E, SWE.....	1:01.126
Stel V, HOL.....	1:01.557
Andersson S, AUS.....	1:02.067
Shelofastova, USSR.....	1:03.198
Saavedra M, COL.....	1:04.486
Mock M, PUR.....	1:07.092
HEAT 4	
Brightha E, HOL.....	59.166
Monod F, SUI.....	1:00.461
Steinbach A, WGE.....	1:01.153
Cain D, AUS.....	1:01.990
Paton M, HUN.....	1:02.874
Chlupova O, CZE.....	1:02.905
Thompson L, PUR.....	1:04.630
Huen M, VEN.....	1:05.195
HEAT 5	
Ender K, EGE.....	59.695
Weber J, WGE.....	59.830
Mahlsen G, NOR.....	1:00.825
Cook W, CAN.....	1:01.708
Zolotnickaia, USSR.....	1:01.716
Whiting C, NZE.....	1:03.214
Pilavska E, POL.....	1:03.694
Pahlya N, TUR.....	1:08.944
FINAL	
Ender K, EGE.....	*57.542
Babashoff S, USA.....	58.876
Brightha E, HOL.....	58.879
Eife A, EGE.....	58.931
Berger G, FRA.....	59.518
Weber J, WGE.....	59.585
Heddy K, USA.....	59.900
Monod F, SUI.....	1:01.240

200 M FREESTYLE

HEAT 1

Allardice L, WGE.....	2:12.946
Holmes B, CAN.....	2:14.431
Sundeberg M, SWE.....	2:15.506
Morales I, VEN.....	2:15.518
Whiting C, NZE.....	2:17.016
Moreda L, PUR.....	2:18.097
HEAT 2	
Johansson I, SWE.....	2:09.260
Schmisch E, EGE.....	2:09.973
Stel V, HOL.....	2:10.878
Avlonitu E, GRE.....	2:19.384
Tomandi E, AUT.....	2:24.075
Nastaren H, IRN.....	2:45.589
HEAT 3	
Eife A, EGE.....	2:08.099
Cliff L, CAN.....	2:11.506
Steinbach A, WGE.....	2:12.438
Schertz C, FRA.....	2:16.558
Pilavska E, POL.....	2:17.716
Mizouni M, TUN.....	2:25.432
Kovacs E, HUN.....	2:25.470
HEAT 4	
Rothhammer K, USA.....	2:07.531
Anderson S, AUS.....	2:11.179
Guimaraes M, BRA.....	2:14.218
Stabellini F, ITA.....	2:14.496
Shelofastova, USSR.....	2:15.940
Saavedra M, COL.....	2:20.064
Huen M, VEN.....	2:21.916
Garcia B, ARG.....	2:24.328
HEAT 5	
Babashoff S, USA.....	2:07.753
Rickard V, AUS.....	2:09.936
Weber J, WGE.....	2:10.778
Berger G, FRA.....	2:11.400
Zolotnickaia, USSR.....	2:13.141
Maurity B, BRA.....	2:14.987
Thompson L, PUR.....	2:23.220
FINAL	
Rothhammer K, USA.....	2:04.999
Babashoff S, USA.....	2:05.332
Eife A, EGE.....	2:05.525
Rickard V, AUS.....	2:07.889
Johansson I, SWE.....	2:08.395
Schmisch E, EGE.....	2:09.311
Stel V, HOL.....	2:09.442
Weber J, WGE.....	2:10.587

400 M FREESTYLE

HEAT 1

Rickard V, AUS.....	4:24.994
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200 M BACKSTROKE

HEAT 1

Cook W, CAN.....	2:23.123
Cain D, AUS.....	2:24.967
Lenoach S, FRA.....	2:25.513
Olsson S, SWE.....	2:26.965
Guimaraes M, BRA.....	4:34.053
Romandri E, AUT.....	4:59.692
HEAT 2	
Calligaris N, ITA.....	4:27.089
Sermisch E, EGE.....	4:31.630
Stenhouse J, CAN.....	4:32.400
Johansson I, SWE.....	4:34.166
Morales I, VEN.....	4:39.976
Pilavska E, POL.....	4:49.474
Pavletic S, YUG.....	4:53.004
HEAT 3	
Grenwood H, USA.....	4:24.938
Sundeberg M, SWE.....	4:45.292
Shelofastova, USSR.....	4:48.743
Mizouni M, TUN.....	5:04.065
Garcia D, ARG.....	5:07.040
Bunschoten H, HOL.....	00:00.00
HEAT 4	
Rothhammer K, USA.....	4:25.122
Moras N, AUS.....	4:30.288
McCaffrey A, CAN.....	4:37.118
Stabellini F, ITA.....	4:38.899
Arambatsis S, VEN.....	4:49.187
Avlonitu E, GRE.....	4:53.148
Moreda L, PUR.....	5:00.252
Mock M, PUR.....	5:00.906
FINAL	
Grenwood H, USA.....	4:20.287
Rothhammer K, USA.....	4:21.507
Calligaris N, ITA.....	4:21.798
Rickard V, AUS.....	4:23.486
Wegner G, GDR.....	4:24.611
Sermisch E, GDR.....	4:30.940
Stenhouse J, CAN.....	4:31.923
Moras N, AUS.....	4:34.948

100 M BREASTSTROKE

HEAT 1

Malutina M, URS.....	9:45.644
Arambatsis S, VEN.....	9:51.384
Pilavska E, POL.....	10:06.768
Tomandi E, AUT.....	10:11.277
Moreda L, PUR.....	10:18.319
Mizouni M, TUN.....	10:28.992
Phillips E, JAM.....	00:00.000
Thompson L, PUR.....	00:00.000
HEAT 2	
Franka A, GDR.....	9:09.677
Gunston E, SWE.....	9:22.129
DeAngelis M, ITA.....	9:23.206
Guimaraes M, BRA.....	9:27.920
Angel R, COL.....	9:42.695
Shio N, JPN.....	9:51.499
Skvortsova T, URS.....	9:57.458
Pavletic S, YUG.....	10:04.873
HEAT 3	
Calligaris N, ITA.....	8:52.973*
Harshbarger J, USA.....	8:55.560
Harshbarger, USA.....	8:55.560
Wegner G, GDR.....	9:01.823
Moras N, AUS.....	9:09.936
Rothhammer K, USA.....	9:15.725
Gunston E, SWE.....	9:22.129
Yost, S, AUS.....	9:22.493
FINAL PLACEMENT	
Calligaris N, ITA.....	8:52.973*
Harshbarger J, USA.....	8:55.560
Wegner G, GDR.....	9:01.823
Franka A, GDR.....	9:09.677
Moras N, AUS.....	9:09.936
Rothhammer K, USA.....	9:15.725
Gunston E, SWE.....	9:22.129
Yost, S, AUS.....	9:22.493
100 M BACKSTROKE	
HEAT 1	
Cook W, CAN.....	1:06.099
Gyarmati A, HUN.....	1:07.519
Elzerman J, HOL.....	1:08.468
Grieser A, GER.....	1:08.945
Ronceila A, ITA.....	1:09.541
Lewis S, AUS.....	1:12.432
McSwain D, PUR.....	1:12.432
HEAT 2	
Cook W, CAN.....	1:06.275
Lenoach S, FRA.....	1:07.986
Young L, AUS.....	1:08.010
Jayeti H, ESP.....	1:12.431
Golovanova I, URS.....	1:12.585
Fernandes B, BRA.....	1:13.109
Okar R, TUR.....	1:17.723
HEAT 3	
Belote M, USA.....	1:06.231
Herbst C, GDR.....	1:07.981
Gurr D, CAN.....	1:08.640
Chaunin F, BEL.....	1:10.902
Kobielska E, POL.....	1:11.758
HEAT 4	
Richter U, GDR.....	1:06.086
Brightha E, HOL.....	1:06.996
Stimpson L, USA.....	1:07.250
Olsson D, SWE.....	1:08.745
Torriss P, ITA.....	1:10.165
Mock M, PUR.....	1:17.270
FINAL	
Richter U, GDR.....	1:05.427*
Belote M, USA.....	1:06.112
Cook W, CAN.....	1:06.271
Gyarmati A, HUN.....	1:06.549
Brightha E, HOL.....	1:06.550
Herbst C, GDR.....	1:07.465
Stimpson L, USA.....	1:07.698
Elzerman J, HOL.....	1:07.900

100 M BUTTERFLY

HEAT 1

Debra C, AUS.....	1:07.776
Faitlova V, CZE.....	1:07.935
Popova N, USSR.....	1:08.198
Bertrunner I, SUI.....	1:08.672
Slavcheva J, HUN.....	1:09.617
Mross J, BRA.....	1:09.755
Mock M, PUR.....	1:10.562
HEAT 2	
Aoki M, JPN.....	1:03.803
Deardurff D, USA.....	1:04.135
Segaar A, HOL.....	1:07.069
Chamora A, ESP.....	1:08.587
Huen M, VEN.....	1:09.401
Whiting C, NZE.....	1:09.443
Depepe J, CAN.....	1:09.867
HEAT 3	
Kother R, EGE.....	1:02.951
Beckmann G, WGE.....	1:05.336
Meerzon A, URS.....	1:06.362
Sandra Y, AUS.....	1:05.626
Stenhouse P, CAN.....	1:07.792
Peres R, BRA.....	1:08.405
Corsi M, ITA.....	1:08.613
Valent V, HUN.....	1:09.514
HEAT 4	
Ender K, GDR.....	1:04.140
Tosdal F, USA.....	1:04.330
Talpo D, ITA.....	1:05.830
Andersson G.....	1:05.970
Groza A, ROM.....	1:06.950
Morales I, VEN.....	1:08.100
Majnaric E, YUG.....	1:08.490
Saavedra M, COL.....	1:09.230
FINAL	
Ender K, GDR.....	1:02.539
Kother R, GDR.....	1:02.687
Aoki M, JPN.....	1:03.739
Deardurff D, USA.....	1:04.272
Tosdal F, USA.....	1:04.329
Beckmann G, GER.....	1:04.937
Talpo D, ITA.....	1:06.353
Andersson G, SWE.....	1:06.386

200 M BUTTERFLY

HEAT 1

MacInnis N, USA.....	2:23.870
Aggenbach Y, HOL.....	2:24.595
Popova N, URS.....	2:27.269
Saavedra M, COL.....	2:29.835
Morales I, VEN.....	2:30.181
Chamorro A, ESP.....	2:32.436
HEAT 2	
Yost S, AUS.....	2:21.825
Meerzon A, URS.....	2:24.791
Gruza A, ROM.....	2:27.220
Andersson G, SWE.....	2:28.030
Faitlova V, CZE.....	2:29.727
Angel R, COL.....	2:30.884
Cerezo G, VEN.....	2:30.977
HEAT 3	
Beier R, GDR.....	2:18.876
Colella L, USA.....	2:20.363
Stenhouse P, CAN.....	2:25.304
Neall G, AUS.....	2:25.818
Majnaric E, YUG.....	2:28.580
Mock M, PUR.....	2:37.098
Valentini A, ITA.....	2:38.930
HEAT 4	
Kother R, GDR.....	2:15.455
Damen J, HOL.....	2:23.604
Schuetz U, GER.....	2:24.537
Crosi M, ITA.....	2:29.955
McHugh J, CAN.....	2:32.903
Tevarjarvi K, FIN.....	0:00:00.000
Aoki M, JPN.....	0:00:00.000
FINAL	
Kother R, GDR.....	*2:13.766
Beier R, GDR.....	2:16.777
Colella L, USA.....	2:19.535
Damen J, HOL.....	2:21.964
Yost S, AUS.....	2:22.327
MacInnis N, USA.....	2:22.570
Schuetz U, GER.....	2:23.508
Aggenbach Y, HOL.....	2:25.689

200 M MEDLEY

HEAT 1

Cliff L, CAN.....	2:28.842
Bormann K, GER.....	2:30.190
Zarnowiecki, SWE.....	2:30.480
Chlupova O, CZE.....	2:33.090
Paradell N, ESP.....	2:37.432
Angel R, COL.....	2:37.975
Avlonitu E, GRE.....	2:39.443
Hlyouni M, TUN.....	2:45.520
HEAT 2	
Heddy K, USA.....	2:28.306
Wright J, CAN.....	2:30.033
Krogh T, NOR.....	2:31.285
Maliutina M, URS.....	2:32.953
Guerramarra, BRA.....	2:36.427
Lopez A, PUR.....	2:44.448
HEAT 3	
Huebner A, GDR.....	2:24.168
Calligaris N, ITA.....	2:26.490
Cain D, AUS.....	2:26.721
Hunter S, NZL.....	2:29.999
Efendic J, YUG.....	2:34.731
Shio N, JPN.....	2:36.970
Mock M, PUR.....	2:40.556
Verraszto G, HUN.....	0:00:00.000

HEAT 4

Ender K, GDR.....	2:25.316
Woodcock, J, USA.....	2:28.661
Takemoto Y, JPN.....	2:29.557
Popova N, URS.....	2:32.237
Gall N, AUS.....	2:32.723
Calli M, HUN.....	2:32.951
Cerezo G, VEN.....	2:33.935
Garcia B, ARG.....	2:39.942

FINAL

Huebner A, GDR.....	*2:20.518
Ender K, GDR.....	2:21.218
Heddy K, USA.....	2:23.842
Calligaris N, ITA.....	2:24.075
Woodcock J, USA.....	2:25.728
Cliff L, CAN.....	2:26.263
Takemoto Y, JPN.....	2:26.475
Cain D, AUS.....	2:26.634

400 M MEDLEY

HEAT 1

Hunter S, NZL.....	5:08.360
Cliff L, CAN.....	5:10.098
Takemoto Y, JPN.....	5:14.005
Zarnowiecki, SWE.....	5:15.187
Avlonitu E, GRE.....	5:32.217
Mizouni M, TUN.....	5:48.120
Lopez A, PUR.....	5:51.895
HEAT 2	
Wegner G, GDR.....	5:04.036
Potts T, USA.....	5:09.030
Shuetz U, GER.....	5:13.412
Richardson, GDR.....	5:13.887
Guerra M, BRA.....	5:34.586
Borras G, ARG.....	5:39.117
Mock M, PUR.....	5:42.732
HEAT 3	
Calligaris N, ITA.....	5:05.464
Damen J, HOL.....	5:12.175
McHugh J, CAN.....	5:21.267
Skvortsova T, URS.....	5:25.709
Angel R, COL.....	5:25.840
Tevarjarvi K, FIN.....	0:00:00.000
HEAT 4	
Franka A, GDR.....	5:05.899
Bartz J, USA.....	5:10.758
Maliutina M, URS.....	5:17.056
Neal G, AUS.....	5:17.964
Morozzi P, ITA.....	5:19.419
Cerezo G, VEN.....	5:24.635
Shio N, JPN.....	5:25.049

FINAL

Wegner A, GDR.....	*4:57.511
Franka A, GDR.....	5:00.376
Calligaris N, ITA.....	5:02.029
Cliff L, CAN.....	5:07.012
Potts T, USA.....	5:09.094
Hunter S, NZL.....	5:10.282
Bartz J, USA.....	5:10.451
Damen J, HOL.....	5:15.660

4 x 100 M MEDLEY RELAY

HEAT 1

East Germany.....	4:25.879
Holland.....	4:30.390
Canada.....	4:34.051
Russia.....	4:34.477
Hungary.....	4:35.702
Great Britain.....	4:37.101
HEAT 2	
United States.....	4:26.889
Sweden.....	4:29.029
Germany.....	4:32.048
Australia.....	4:33.745
Italy.....	4:37.511
Brazil.....	4:43.651
Faru.....	4:50.198

FINAL

GDR (Richter, Wegner, Kother, Ender).....	4:16.844*
USA (Belote, Morey, Deardurff, Babashoff).....	4:25.804
GER (Griesser, Nows, Beckman, Weder).....	4:26.576
Holland (Erith, Te Riet, Segaar, Stel).....	4:28.860
Canada (Cook, Stuart, Stenhouse, Amundrud).....	4:29.608
Sweden (Olsson, Smedu, G. Andersson, E. Andersson).....	4:30.596
USSR (Golovanova, Russanova, Meerzon, Kordova).....	4:33.385
Australia (Young, Whitfield, Cain, Anderson).....	4:34.457

4 x 100 M FREESTYLE RELAY

FINAL	
Hargitay V, HUN.....	4:31.116
Strachan R, USA.....	4:33.507
Colella R, USA.....	4:34.683
Zaharov S, URS.....	4:37.058
Sperling W, GDR.....	4:37.179
Gingsjoe B, SWE.....	4:37.629
Brinkley B, GBR.....	4:40.911
Smirnov A, URS.....	4:41.261

A x 100 M MEDLEY RELAY	
HEAT 1	
USA.....	3:54.914
GDR.....	3:57.133
GER.....	3:58.034
HUN.....	4:01.119
ESP.....	4:04.358
PUR.....	4:09.799
BUL.....	4:14.632
SWE.....	0:00.000
HEAT 2	
URS.....	4:00.011
CAN.....	4:00.351
GER.....	4:00.855
AUS.....	4:02.970
BRA.....	4:04.098
YUG.....	4:04.814
ITA.....	4:09.074

USA (Stamm, Hencken, Bottom, Montgomery).....		3:49.491
GDR (Matthes, Glas, Flockner, Pyytel).....		3:53.246
CAN (MacKenzie, Hrdlitschka, Robertson, Phillips).....		3:56.372
GER (Steinbach, Kusch, Meeuw, Nocke).....		3:56.389
URS (Grivenikov, Chirjukin, Sacharov, Bure).....		3:58.098
AUS (Cooper, Creswick, Seymour, Wenden).....		3:58.590
GBR (Cunningham, Wilkie, Edwards, Brinkley).....		3:59.048
HUN (Cseh, Szabo, Verraszto, Szentirmai).....		4:01.642

Lx100 M FREESTYLE RELAY	
HEAT 1	
FRA.....	3:35.575
GER.....	3:35.882
AUS.....	3:36.566
CAN.....	3:36.925
YUG.....	3:42.949
PUR.....	3:48.080
HEAT 2	
USA.....	3:32.442
GDR.....	3:33.837
USSR.....	3:34.700
BRA.....	3:35.256
ITA.....	3:35.655
SPAIN.....	3:37.686
ROM.....	3:39.171

FINAL		
USA (Nash, Bottom, Montgomery, Murphy).....		3:27.183
URS (Grivenikov, Aboimov, Krivstov, Bure).....		3:31.367
GDR (Matthes, Pyytel, Bruch, Flockner).....		3:32.031
GER (Steinbach, Nocke, Schille, Labudde).....		3:33.336
BRA (Oliveira, Namorado, Huxley, Aanha).....		3:33.392
AUS (Wenden, Badger, Rogers, Kulasalu).....		3:35.274
ITA (Pancaro, Castagnetti, Barelli, Guarducci).....		3:36.842
FRA (Juge, Copin, Foucard, Hermite).....		3:41.267

A x 200 FREESTYLE RELAY	
HEAT 1	
FRA.....	7:51.455
SWE.....	7:52.298
USA.....	7:54.404
CAN.....	7:58.432
ITA.....	7:58.515
PUR.....	8:23.574
HEAT 2	
AUS.....	7:48.432
GER.....	7:52.244
URS.....	7:52.968
GDR.....	7:53.635
GER.....	7:54.257
BRA.....	8:12.066

FINAL		
USA (Krumpholz, Backhaus, Klatt, Montgomery).....		7:33.221*
AUS (Kulasalu, Badger, Cooper, Wenden).....		7:43.659
GER (Steinbach, Lampe, Nocke, Meeuw).....		7:43.684
GDR (Pyytel, Bruch, Hartung, Unger).....		7:44.444
SWE (Zarnowiecki, Gingsjoe, Belbring, Larson).....		7:45.585
URS (Aboimov, Krivstov, Samsonov, Bure).....		7:47.794
GER (Brinkley, Terrell, Cunningham, Downie).....		7:54.305
FRA (Moreau, Amardelth, Middleton, Lazzaro).....		8:04.452

1973 WORLD CHAMPIONSHIPS
DIVING, Sept. 1973

WOMEN'S EVENTS

SPRINGBOARD DIVING FINALS	
Kohler, GDR.....	442.17
Knappe, SWE.....	434.19
Janicke, GDR.....	426.33
Henriksson, SWE.....	407.47
Dracke, G.B.....	403.50
Irish, USA.....	385.98
Boys, CAN.....	383.55
Chandler, USA.....	375.06

10 METER PLATFORM FINALS	
Knappe, SWE.....	406.77
Duchkova, CZECH.....	387.18
Kalinina, USSR.....	381.42
Schaefer, USA.....	367.08
Janicke, GDR.....	365.73
Fiedler, GDR.....	355.59
Keplars, USA.....	343.05
Boys, CAN.....	324.18

MEN'S EVENTS

SPRINGBOARD DIVING FINALS	
Boggs, USA.....	618.57
Dibiasi, ITA.....	615.18
Russell, USA.....	579.48
Cagnotto, ITA.....	574.05
Strahov, USSR.....	554.01
Vasin, USSR.....	550.91
Hoffmann, GDR.....	549.90
Granharn, CAN.....	485.76

10 METER PLATFORM FINALS	
Dibiasi, ITA.....	559.53
Russell, USA.....	523.74
Hoffmann, GDR.....	492.15
Cagnotto, ITA.....	492.06
Mihalinec, USSR.....	484.05
Moore, USA.....	484.02
Ambarztjan, USSR.....	479.97
Granharn, CAN.....	470.88

WORLD UNIVERSITY GAMES
Moscow, USSR
Aug. 20-23, 1973 50 M Pool

WOMEN

100 M FREESTYLE

Preliminaries	
Sally Tuttle, USA.....	1:00.21
Eadie Wetzel, USA.....	1:00.97
Jutta Weber, GFR.....	1:01.34
Tat. Zolotnitskaja, URS.....	1:01.56
Heidi Reineck, WG.....	1:02.07
Magda Patoh, Hun.....	1:02.56
Elena Timoshenko, URS.....	1:03.23
Jill Quirk, CAN.....	1:03.29
Merrily Stratton, CAN.....	1:03.54
Edit Kovacs, HUN.....	1:03.59
Judith Sirs, GER.....	1:03.77
Jennifer Chiller, AUS.....	1:03.81
Chris Knibuehly, FRA.....	1:04.02
Alex.Hlavachova, CZECH.....	1:04.18
Elisana Macia, BRA.....	1:04.92
Ame Gaudibert, FRA.....	1:05.45
Janet Slavcheva, BUL.....	1:05.60
Sally Pickering, GER.....	1:05.83
Hriska Peicheva, BUL.....	1:06.28
Franca Maltagliati, ITA.....	1:06.60
Vera Bortoli, ITA.....	1:07.90
Finals	
Sally Tuttle, USA.....	1:00.33
Jutta Weber, WG.....	1:00.59
Heidi Reineck, WG.....	1:00.82
Eadie Wetzel, USA.....	1:00.87
Tat.Zolotnitskaja, USSR.....	1:01.56
Magda Patoh, HUN.....	1:02.13
Jill Quirk, CAN.....	1:02.39
Elena Timoshenko, USSR.....	1:02.44

100 M FREESTYLE

Preliminaries	
Ann Simmons, USA.....	4:29.37
Jill Strong, USA.....	4:44.44
Jennifer Chiller, AUS.....	4:45.78
Nadejda Matukhina, USSR.....	4:46.71
Jane Rogers, CAN.....	4:48.81
S. Jones, GER.....	4:49.77
Merrily Stratton, CAN.....	4:54.62
Anna Bogatyreva, USSR.....	4:56.85
M. Brown, GER.....	4:58.16
Cristina Ferrucci, ITA.....	5:00.27
Jacqueline Pele, FRA.....	5:01.90
Martin Reno, FRA.....	5:02.10
Denize Prado, BRA.....	5:05.80
Sevda Nelkova, BOL.....	5:10.58
Vera Bortoli, ITA.....	5:11.70

Finals

Ann Simmons, USA.....	4:28.80
Jill Strong, USA.....	4:39.15
Nadejda Matukhina, USSR.....	4:41.56
Jennifer Chiller, AUS.....	4:42.77
Susan Jones, GER.....	4:47.65
Jane Rogers, CAN.....	4:50.19
Anna Bogatyreva, USSR.....	4:54.46
Merrily Stratton, CAN.....	4:54.58

100 M BACKSTROKE

Preliminaries	
Mary Feldman, USA.....	1:07.73
Elizabeth Tullis, USA.....	1:08.15

Benedicte Duprez, FRA.....	1:10.56
Natalia Erchova, USA.....	1:11.07
Angelika Kraus, WG.....	1:12.07
Trina Golovanova, USSR.....	1:12.33
Elizabeth Harris, GER.....	1:12.63
Jill Quirk, CAN.....	1:13.56
Linda Armour, GER.....	1:15.98
Denize Prado, BRA.....	1:16.57
Cristina Ferrucci, ITA.....	1:18.23

Finals

Mary Feldman, USA.....	1:07.04
Elizabeth Tullis, USA.....	1:07.38
Benedicte Duprez, FRA.....	1:09.65
Natalia Erchova, USSR.....	1:10.36
Angelika Kraus, WG.....	1:10.69
Trina Golovanova, USSR.....	1:11.15
Jill Quirk, CAN.....	1:11.52
Elizabeth Harris, GER.....	1:12.32

100 M BREASTSTROKE

Preliminaries	
Catherine Carr, USA.....	1:16.85
Lubov Rusanova, USSR.....	1:17.66
Galina Stepanova, USSR.....	1:18.42
Mary Ireland, USA.....	1:20.60
Robyn Farrell, AUS.....	1:21.67
Silvia Dokerill, CAN.....	1:21.89
Alex.Hlavachova, CZE.....	1:22.64
Dominique Mena, FRA.....	1:23.31
Chienu Shibata, JPN.....	1:24.64
M. Borlase, GER.....	1:24.69
Katia Correa, BRA.....	1:24.81
Franca Maltagliati, ITA.....	1:25.93
C. Purves, GER.....	1:26.60
Rosa Tricarico, ITA.....	1:27.56

Finals

Lubov Rusanova, USSR.....	1:15.54
Catherine Carr, USA.....	1:15.60
Galina Stepanova, USSR.....	1:17.09
Robyn Farrell, AUS.....	1:19.63
Mary Ireland, CAN.....	1:20.61
Silvia Dokerill, USA.....	1:20.87
Alex. Hlavachova, CZE.....	1:21.63
Dominique Mena, FRA.....	1:23.55

200 M BREASTSTROKE

Preliminaries	
Catherine Carr, USA.....	2:47.00
Kathy Manger, USA.....	2:49.71
Robyn Farrell, AUS.....	2:49.81
Ludmila Porubalko, USSR.....	2:49.93
Chienu Shibata, JPN.....	2:54.63
Silvia Dokerill, CAN.....	3:00.92
Rosa Tricarico, ITA.....	3:00.94
M. Borlase, GER.....	3:01.27
Katia Correa, BRA.....	3:01.43

Finals

Catherine Carr, USA.....	2:42.30
Ludmila Porubalko, USSR.....	2:42.68
Kathy Manger, USA.....	2:48.49
Robyn Farrell, AUS.....	2:48.92
Chienu Shibata, JPN.....	2:55.50
Silvia Dokerill, CAN.....	2:58.70
M. Borlase, GER.....	2:59.41
Rosa Tricarico, ITA.....	3:01.94

100 M BUTTERFLY

Finals	
Irene Arden, USA.....	1:06.05
Cathy Corcione, USA.....	1:07.34
Alexandra Meerzon, USSR.....	1:07.46
Louise Ross, GER.....	1:09.83
Jill Quirk, CAN.....	1:10.15
Jennifer Chiller, AUS.....	1:10.35
Doris Meister, WG.....	1:10.78
Olga Petrusseva, USSR.....	1:11.55

200 M INDIVIDUAL MEDLEY

Preliminaries	
Susie Atwood, USA.....	2:31.03
Katherine Carr, USA.....	2:32.21
Birute Ujvaraitite, USSR.....	2:33.36
Nina Petrova, USSR.....	2:33.46
Jennifer Chiller, AUS.....	2:36.21
Jacqueline Pele, FRA.....	2:37.99
Franca Maltagliati, ITA.....	2:39.54
Jane Rogers, CAN.....	2:40.35
Hriska Peicheva, BUL.....	2:40.61
Alexandra Hlavachova, CZ.....	2:40.83
Denize Prado, BRA.....	2:42.04
Barbara Zeyfert, WG.....	2:43.48
Silvia Dokerill, CAN.....	2:43.53
Anna Tricarico, ITA.....	2:45.34
Vasiliki Iliopoulou, GRE.....	2:45.45
Christine Purvis, GER.....	2:46.94
Katia Correa, BRA.....	2:54.18
Eyagelija Karpouzi, GRE.....	2:55.31

Finals

Susie Atwood, USA.....	2:26.38
Katherine Carr, USA.....	2:28.65
Birute Ujvaraitite, USSR.....	2:29.30
Nina Petrova, USSR.....	2:32.73
Jennifer Chiller, AUS.....	2:34.04
Franca Maltagliati, ITA.....	2:36.74
Jacqueline Pele, FRA.....	2:36.89
Jane Rogers, CAN.....	2:38.19

A x 100 M MEDLEY RELAY

Finals	
USA (Tullis, Carr, Arden, Tuttle).....	4:29.78
USSR (Komarova, Rusanova, Meerzon, Zolotnitskaya).....	4:31.27

WG (Kraus, Seyfert, Meister, Weber).....	4:16.63
FRA (Duprez, Mena, Noel, Knibuehly).....	4:18.23
GER (Harris, Borlase, Ross, Sirs).....	4:50.86
CAN (Quirk, Dockerill, Rogers, Stratton).....	4:51.93
ITA (Ferrucci, Tricarico, Tricarico, Mactagliati).....	5:00.22

A x 100 M FREESTYLE RELAY

Finals	
USA (Corcione, Tullis, Wetsel, Tuttle).....	4:01.04
USSR (Maticina, Bogatyreva, Timoshenko, Zolotnitskaja).....	4:07.83
WG (Reineck, Seyfert, Meister, Weber).....	4:10.41
FRA (Knibuehly, Gaudibert, Noel, Pele).....	4:15.70
CAN (Quirk, Rogers, Stratton, Dockerill).....	4:16.24
GER (Pickering, Brown, Ross, Sirs).....	4:18.34
ITA (Maltagliati, Tricarico, Ferrucci, Bortoli).....	4:30.00

SPRINGBOARD DIVING Prelim. Finals

T.Safonova, USSR.....	449.19	439.65
M.Duchkova, CZE.....	392.58	418.23
C.Loock, USA.....	432.93	410.07
J.Adair, USA.....	412.23	395.79
E.Melianova, USSR.....	369.93	393.66
J.Nutter, CAN.....	353.13	391.80
M.Bohunova, CZE.....	337.02	310.92
C.Wiles, FRA.....	342.48	308.43

Prelim.

E.Wiermiuk.....	329.82
M.Hardjelekidto, IRL.....	313.77
H.Peraldi, MEX.....	310.20
I.Pertmayr, AUT.....	309.12
B.Neubauer, AUT.....	301.86
M.Godlewski, POL.....	292.38

HIGHBOARD DIVING

Finals	
Milena Duchkova, CZE.....	361.35
Natalia Dmitrieva, USSR.....	336.33
Alla Selina, USSR.....	325.86
Christine Loock, USA.....	320.91
Margorzata Godawska, POL.....	318.33
Jenni Nutter, CAN.....	309.36
Elzbieta Wiermiuk, POL.....	308.49
Maria Rozgonyi, HUN.....	305.22
Marcela Bohunova, CZE.....	299.76
Jerrrie Adair, USA.....	299.73
Ingeborg Pertmayr, AUT.....	285.12
Norma Baraldi, MEX.....	218.91

MEN

100 M FREESTYLE

Preliminaries	
Kenneth Knox, USA.....	52.57
Vladimir Bure, USSR.....	52.58
Dir Anderson, USA.....	52.90
Vladimir Krivstov, USSR.....	53.68
Aramna Jose Diniz, BRA.....	54.48
Jose Namorado, BRA.....	54.57
Peter Labudde, WG.....	54.69
Kersten Meier, WG.....	54.86
Richard Zajchowski, CAN.....	55.23
A. Hunter, GER.....	55.48
M. Wirsatt, GER.....	55.76
Patrick Juge, FRA.....	55.81
Tim Bach, CAN.....	55.91
Jeno Hamor, HUN.....	56.01
Akira Iida, JPN.....	56.15
Pierre Quartier, BEL.....	56.17
Alfred Gabr, ARE.....	56.33
Jan Vokaty, CZE.....	56.53

Andreas Hellmann, WG	1:09.29
Nobuyuki Nakayama, JPN	1:09.69
Ernst May, AUS	1:11.23

200 M BREASTSTROKE

Preliminaries	
Igor Tcheridakov, USSR	2:25.24
Felipe Munoz Karamas, MEX	2:27.16
Nikolai Pandin, USSR	2:27.43
Mark Chatfield, USSR	2:31.81
Johan Elzerman, HUN	2:32.28
Andreas Hellmann, WG	2:32.94
Angel Chakarov, BOL	2:33.59
Jeffrey White, USA	2:33.73
Nobuyuki Nakayama, JPN	2:36.02
Paolo Rasi, ITA	2:36.21
Gustavo Lozano, MEX	2:36.66
Larry Steele, CAN	2:37.21
Ernst May, AUS	2:38.63
Michele DiPietro, ITA	2:39.09
Garry MacDonald, CAN	2:40.22
Jaidir Oliveira, BRA	2:42.03
G. Stirtorf, GER	2:43.17
Carlos Oliveira, POR	2:44.29
A. Mills, GER	2:45.03
Hosham Salah El Din, KUW	3:10.13
Finals	
Nikolai Pandin, USSR	2:23.81
Igor Tcheridakov, USSR	2:24.06
Felipe Munoz Karamas, MEX	2:27.89
Mark Chatfield, USA	2:28.85
Jeffrey White, USA	2:31.57
Andreas Hellmann, WG	2:33.10
Johan Elzerman, HUN	2:33.38
Angel Chakarov, BOL	2:34.09

100 M BUTTERFLY

Preliminaries	
Allen Poucher, USA	56.75
Byron MacDonald, CAN	57.75
Viktor Charvagin, USSR	57.79
Pat O'Connor, USA	57.95
Folkert Meeuw, WG	59.06
Mizuki Hamano, JPN	59.52
Yasuhiko Kamazaki, JPN	59.85
Istvan Szentirmai, HUN	59.89
Atle Berg, NOR	1:00.37
Rivera Gustavo, MEX	1:00.39
Robert Duncan, CAN	1:00.92
Flavio Machado, BRA	1:01.08
Jan Vokaty, CZE	1:01.80
Helmut Seiler, AUS	1:02.24
Jacques Schreuren, LUX	1:02.29
Franc Gjekez, AUS	1:02.35
Ricardo Marmolejo Alvarez, I	1:02.72
Michele D'Oppido, ITA	1:02.88
I. Amigler, GER	1:03.14
Denis Schmidt, FRA	1:03.70
G. Glancy, GER	1:03.85
Bernard Terrasa, FRA	1:04.19
Ahmed Attua, ARE	1:05.72
Mario Montes, CHI	1:14.95
Burki Sajjad, PAK	1:21.99
Fawzi Erhama, KUW	1:22.56
Hassan El Haqar, KUW	1:36.46
Finals	
Allen Poucher, USA	56.36
Byron MacDonald, CAN	57.17
Pat O'Connor, USA	57.77
Viktor Charvagin, USSR	57.79
Folkert Meeuw, WG	57.89
Mizuki Hamano, JPN	58.61
Yasuhiko Kamazaki, JPN	59.32
Istvan Szentirmai, HUN	59.33

200 M BUTTERFLY

Preliminaries	
Allen Poucher, USA	2:07.70
Folkert Meeuw, WG	2:09.22
Pat O'Connor, USA	2:09.54
Viktor Vasilenok, USSR	2:09.65
Yasuhiko Kamazaki, JPN	2:10.15
Mizuki Hamano, JPN	2:10.69
Viktor Charvagin, USSR	2:10.71
Byron MacDonald, CAN	2:12.91
Ricardo Marmolejo Alvarez, I	2:13.62
Allan Scott, GER	2:15.45
Jacek Krawczyk, POL	2:17.70
Gustavo Rivera, MEX	2:18.23
Flavio Machado, BRA	2:18.46
Jean-Jacques Schreuren, LUX	2:18.70
G. Glancy, GER	2:21.29
Daniel Sabo, YUG	2:32.38
Finals	
Allen Poucher, USA	2:05.67
Folkert Meeuw, WG	2:06.53
Viktor Charvagin, USSR	2:09.00
Pat O'Connor, USA	2:09.39
Viktor Vasilenok, USSR	2:09.74
Yasuhiko Kamazaki, JPN	2:09.87
Byron MacDonald, CAN	2:10.85
Mizuki Hamano, JPN	2:12.72

400 M INDIVIDUAL MEDLEY

Preliminaries	
Zacharov, USSR	4:42.76
Engstrand, USA	4:44.69
Sucharev, USSR	4:48.23
Furniss, USA	4:50.73
Alvarez, MEX	4:51.38
Elzerman, HOL	4:53.01
Still, CAN	4:54.67
Chakarov, BOL	4:56.16
Hillemeier, GER	4:56.85
Finals	
Zacharov, USSR	4:42.76
Engstrand, USA	4:44.69
Sucharev, USSR	4:48.23
Furniss, USA	4:50.73
Alvarez, MEX	4:51.38
Elzerman, HOL	4:53.01
Still, CAN	4:54.67
Chakarov, BOL	4:56.16
Hillemeier, GER	4:56.85

Marugo, ITA	4:57.44
Melberg, NOR	4:58.92
Machado, BRA	4:59.29
Gross, CAN	4:59.81
Ooyama, JPN	4:59.94
Merkel, W.G.	5:00.41
Hamm, G.B.	5:03.18
Czraczek, POL	5:03.67
Ferrero, SPAIN	5:06.76
Foskett, G.B.	5:10.14
Schmitt, FRA	5:14.83
Gutierrez, MEX	5:21.79

400 M INDIVIDUAL MEDLEY

Finals	
Serge Zacharov, USSR	4:37.96
Steve Furniss, USA	4:39.54
Lee Engstrand, USA	4:40.13
Mikhail Sucharev, USSR	4:42.59
Ricardo Marmolejo Alvarez, I	4:49.19
Larry Still, CAN	4:49.61
Johan Elzerman, HOL	4:51.37
Angel Chakarov, BOL	4:55.05

4 x 100 M MEDLEY RELAY

Finals	
USA (Johnson, Chatfield, Foucher, Knox)	3:55.15
USSR (Potiaikin, Spasovchodski, Sharigin, Bure)	3:56.07
WG (Schlag, Hellmann, Meeuw, Meier)	4:02.65
CAN (Fish, MacDonald, MacDonald, Zajchowski)	4:03.89
JPN (Keigo, Nobuyuki, Mizuki, Akira)	4:07.28
BRA (Araujo, Oliveira, Machado, Aranha)	4:08.80
MEX (Marmolejo, Munoz, Rivera, Escanero)	4:12.55
AUS (Gjekez, May, Seidler, Schmid)	4:14.03

4 x 100 M FREESTYLE RELAY

Finals	
USA (Elliot, Tietze, Anderson, Knox)	3:28.61
USSR (Bure, Krivtsov, Abaimov, Grievandinov)	3:31.86
BRA (Adams, Hamprado, Zanetti, Arana)	3:35.72
CAN (Bach, Hawes, Duncan, Zajchowski)	3:40.98
GER (Hunter, Armser, Mirms, Winklat)	3:42.70
WG (Labuade, Meeuw, Hillemeier, Meier)	3:42.83
ITA (Martinetto, Lovisolo, Cignetti, D'Oppido)	3:45.59
FRA (Juge, Terrasa, Middleton, Amarcellh)	3:46.00

4 x 200 M FREESTYLE RELAY

Preliminaries	
USA	8:03.01
USSR	8:05.21
FRANCE	8:12.25
FRANCE	8:14.70
GREAT BRITAIN	8:17.22
ITALY	8:17.73
WEST GERMANY	8:19.99
CANADA	8:20.41
JAPAN	8:23.14
JAPAN	8:27.18
CZECHOSLOVAKIA	8:32.18
MEXICO	8:36.78
Finals	
USSR (Bure, Krivtsov, Abaimov, Samsonov)	7:43.28
USA (Elliot, Reeder, Tinghy, Furniss)	7:43.61
BRA (Machado, Adams, Aranha, Hamprado)	8:02.06
FRA (Middleton, Amarcellh, Schmidt, Berger)	8:08.49
ITA (Targetti, Lovisolo, Manigo, Cignetti)	8:09.16
W.G. (Labuade, Meier, Meeuw, Hillemeier)	8:09.60
CAN (Bach, Duncan, Zajchowski, Hawes)	8:16.83
GER (Scott, Sooter, Winklat, Mirms)	8:18.47

SPRINGBOARD DIVING

Prelim	
V. Strahov, USSR	571.05
V. Vasin, USSR	552.96
S. McFarland, USA	525.18
S. Schental, USA	471.18
T. Kikola, JPN	444.96
S. Granham, CAN	474.93
J. Robinson, MEX	464.25
T. Kawanami, JPN	492.72
M. Bousard, FRA	419.13
J. Ponce, CUB	401.13
J. Head, SPA	391.38
A. Wiermiuk, POL	389.13
M. Ahmed, EGY	380.25
A. Jackson, AUS	364.32
P. Belcher, BUL	358.38
A. Antonov, BUL	309.63
D. Pope, CAN	308.37
J. Escobar, CHI	158.22
Finals	
V. Strahov, USSR	580.83
V. Vasin, USSR	550.83
S. McFarland, USA	510.27
S. Schental, USA	496.20
T. Kikola, JPN	490.38
S. Granham, CAN	465.45
J. Robinson, MEX	464.25
T. Kawanami, JPN	464.07
M. Bousard, FRA	419.13
J. Ponce, CUB	401.13
J. Head, SPA	391.38
A. Wiermiuk, POL	389.13
M. Ahmed, EGY	380.25
A. Jackson, AUS	364.32
P. Belcher, BUL	358.38
A. Antonov, BUL	309.63
D. Pope, CAN	308.37
J. Escobar, CHI	158.22

HIGHBOARD DIVING Prelim

N. Mikhailin, USSR	498.54
A. Gendrikov, USSR	475.32
S. McFarland, USA	480.30
J. Puchov, POL	420.66
S. Granham, CAN	449.58
T. Kikola, JPN	422.31
J. Robinson, MEX	429.06
R. Perez, CUB	415.38
A. Wiermiuk, POL	408.51
S. Schental, USA	398.49
A. Jackson, AUS	391.41
T. Kawanami, JPN	382.68
D. Pope, CAN	318.66

EUROPEAN CUP

East Berlin	Aug 18-19
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MEN'S EVENTS

100 M FREESTYLE

Bure, USSR	51.7
Rousseau, FRA	52.4
Pyttel, E.G.	53.3
Nocke, W.G.	54.6
Zarnowiecki, SWE	54.8
Chmielewski, POL	55.6
Czaszari, HUN	55.9
Downie, G.B.	56.3

200 M FREESTYLE

Pyttel, E.G.	1:55.9
Bure, USSR	1:56.4
Rousseau, FRA	1:56.5
Lampe, W.G.	1:57.9
Zarnowiecki, SWE	1:57.9
Terrell, G.B.	2:02.0
Czaszari, HUN	2:02.9
Wiechnick, POL	2:03.9

400 M FREESTYLE

Hartung, E.G.	4:06.0
Samsonov, USSR	4:08.6
Bellbringer, SWE	4:09.3
Lampe, W.G.	4:09.6
Lazzaro, FRA	4:13.2
Soos, HUN	4:16.7
Wiechnick, POL	4:22.1

1500 M FREESTYLE

Lalot, FRA	16:22.7
Toth, HUN	16:32.7
Meier, E.G.	16:37.8
Carter, G.B.	16:41.0
Evgrafov, USSR	16:41.2
Grozaj, W.G.	16:52.8
Holmberg, MEX	17:01.5
Grymman, POL	18:30.9

100 M BACKSTROKE

Matthes, E.G.	58.5
Cseh, HUN	1:00.1
Potiaikin, USSR	1:00.4
Steinbach, W.G.	1:00.6
Berjeau, FRA	1:01.2
Clucik, POL	1:01.7
Cunningham, G.B.	1:01.9
Zetterlund, SWE	1:02.0

200 M BACKSTROKE

Matthes, E.G.	2:02.9
Verrazto, HUN	2:07.2
Cunningham, G.B.	2:08.6
Cunningham, G.B.	2:08.6
Steinbach, W.G.	2:10.9
Rodionov, USSR	2:11.6
Eriksson, SWE	2:12.4
Berjeau, FRA	2:14.0
Gabic, POL	2:20.2

100 M BREASTSTROKE

Kusch, W.G.	1:06.6
Kriukin, USSR	1:07.1
Wilkie, G.B.	1:07.1
Glass, E.G.	1:07.7
Combat, FRA	1:07.8
Nagy, HUN	1:08.5
Dyrek, POL	1:09.1
Larsson, SWE	1:11.0

200 M BREASTSTROKE

Kriukin, USSR	2:25.2
Wilkie, G.B.	2:26.1
Glass, E.G.	2:27.8
Kusch, W.G.	2:29.0
Norling, SWE	2:31.0
Szabo, HUN	2:32.7
Smiglak, POL	2:33.2
Combat, FRA	2:35.1

100 M BUTTERFLY

Flockner, E.G.	56.9
Meeuw, W.G.	58.3
Sharugin, USSR	58.1
Hargitay, HUN	59.0
Berglund, SWE	59.7
Edwards, G.B.	59.7
Bielicz, POL	1:00.3
Galabuig, FRA	1:00.9

200 M BUTTERFLY

Hargitay, HUN	2:06.4
Flockner, E.G.	2:07.4
Meeuw, W.G.	2:07.8
Bellbringer, SWE	2:09.3
Sharugin, USSR	2:09.9

Edwards, G.B.	2:12.6
Ravelinghin, FRA	2:12.9
Czaplicki, POL	2:13.2

200 M INDIVIDUAL MEDLEY

Lietzman, E.G.	2:10.3
Hargitay, HUN	2:10.7
Zacharov, USSR	2:11.4
Moreau, FRA	2:14.2
Larsson, SWE	2:14.5
Terrell, G.B.	2:14.6
Weiss, W.G.	2:15.1
Krawczyk, POL	2:19.9

400 M INDIVIDUAL MEDLEY

Hargitay, HUN	4:36.6
Zacharov, USSR	4:37.7
Sperling, E.G.	4:39.7
Brinkley, G.B.	4:43.3
Moreau, FRA	4:44.0
Czessler, W.G.	4:45.4
Zarnowiecki, SWE	4:50.3
Krawczyk, POL	5:00.3

4 x 100 M FREESTYLE RELAY

USSR	3:31.3
East Germany	3:32.3
West Germany	3:35.8
France	3:37.3
Sweden	3:38.5
Great Britain	3:40.7
Hungary	3:42.6
Poland	3:49.5

4 x 200 M FREESTYLE RELAY

East Germany	7:46.9
USSR	7:48.7
West Germany	7:52.7
Sweden	7:58.0
France	7:58.6
Great Britain	8:02.0
Hungary	8:21.2
Poland	8:25.8

4 x 100 M MEDLEY RELAY

East Germany	3:54.7
USSR	3:59.8
West Germany	4:01.4
Hungary	4:01.5
Great Britain	4:04.8
France	4:04.8
Poland	4:08.5
Sweden	4:09.3

TEAM SCORE

East Germany	14.0
USSR	122
West Germany	96
Hungary	81
France	72
Great Britain	68
Sweden	60
Poland	27#

#(Down to "Group B" for the next meet)

EUROPEAN CUP

Utrecht, Holland	Aug 18-19
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WOMEN'S EVENTS

10 & Under
50 M FREESTYLE
Stephanie Hopper, Unat ... 30.85
Heather O'Brien, WPY ... 31.82
Karen Kowalske, BSC ... 33.80
100 M FREESTYLE
Karen Kowalske, BSC ... 1:13.69
Heather O'Brien, WPY ... 1:13.76
Sarah Dickinson, SYS ... 1:15.75
200 M FREESTYLE
Stephanie Hopper, Unat ... 2:37.0
Christi Woolger, JNSC ... 2:39.6
Heather O'Brien, WPY ... 2:39.8
50 M BACKSTROKE
Stephanie Hopper, Unat ... 40.3
Kammy Laycock, NPB ... 40.8
Christi Woolger, JNSC ... 40.9
100 M BACKSTROKE
Christi Woolger, JNSC ... 1:24.47
Teml Cheslock, WPY ... 1:25.91
Karen Kowalske, BSC ... 1:29.47
50 M FREESTYLE
Stephanie Hopper, Unat ... 41.86
Michelle Simpson, Sys ... 41.89
Susan Cain, SPRD ... 43.64
100 M FREESTYLE
Stephanie Hopper, Unat ... 1:31.11
Michelle Simpson, Sys ... 1:31.06
Susan Cain, SPRD ... 1:35.24
50 M BUTTERFLY
Stephanie Hopper, Unat ... 34.4
Heather O'Brien, WPY ... 36.3
Karen Kowalske, BSC ... 36.5
100 M BUTTERFLY
Stephanie Hopper, Unat ... 1:22.13
Karen Kowalske, BSC ... 1:24.22
Heather O'Brien, WPY ... 1:27.45
200 M INDIVIDUAL MEDLEY
Stephanie Hopper, Unat ... 2:59.27
Karen Kowalske, BSC ... 3:02.75
Christi Woolger, JNSC ... 3:05.73
11-12
50 M FREESTYLE
Libby Webster, ESC ... 29.99
Michelle Kusel, Hurr ... 30.09
Lisa Pickard, CAC ... 30.97
100 M FREESTYLE
Michelle Kusel, Hurr ... 1:05.62
Libby Webster, ESC ... 1:06.21
Elene Jones, SSC ... 1:06.73
200 M FREESTYLE
Michelle Kusel, Hurr ... 2:20.99
Elene Jones, SSC ... 2:23.97
Libby Webster, ESC ... 2:23.99
400 M FREESTYLE
Michelle Kusel, Hurr ... 4:54.5
Libby Webster, ESC ... 4:54.8
Elene Jones, SSC ... 5:02.4
50 M BACKSTROKE
Laurie Stoelckl, JNSC ... 35.4
Mary Nielander, WPY ... 36.7
Sue Hoffman, DESA ... 36.8
100 M BACKSTROKE
Laurie Stoelckl, JNSC ... 1:16.72
Mary Nielander, WPY ... 1:20.12
Michelle Kusel, Hurr ... 1:20.70
50 M FREESTYLE
Rosama Junco, GRD ... 39.57
Johanna Grindey, PCL ... 39.89
Kathy Hyland, DESA ... 40.21
100 M FREESTYLE
Rosama Junco, GRD ... 1:29.05
Johanna Grindey, PCL ... 1:29.13
Kathy Hyland, DESA ... 1:29.46
50 M BUTTERFLY
Libby Webster, ESC ... 33.2
Sally Ragusa, NEY ... 33.9
Joy Spillis, SWSC ... 34.4
100 M BUTTERFLY
Libby Webster, ESC ... 1:15.24
Lisa Jo McDanel, SSC ... 1:16.39
Lucy DeGoro, CBSG ... 1:16.60
200 M INDIVIDUAL MEDLEY
Libby Webster, ESC ... 2:43.94
Michelle Kusel, Hurr ... 2:45.68
Joy Spillis, SWSC ... 2:45.92
13-14
50 M FREESTYLE
Kathy Soares, WPY ... 28.50
Kathy Shrader, Hurr ... 28.92
Kim Jacobs, SPRD ... 29.40
100 M FREESTYLE
Kathy Shrader, Hurr ... 1:01.82
Peytie Halligan, JNSC ... 1:02.71
Kathy Soares, WPY ... 1:02.78
200 M FREESTYLE
Kathy Shrader, Hurr ... 2:12.99
Peytie Halligan, JNSC ... 2:13.15
Kathy Soares, WPY ... 2:15.50
400 M FREESTYLE
Kathy Shrader, Hurr ... 4:38.3
Peytie Halligan, JNSC ... 4:42.8
Lori Ryder, SWSC ... 4:44.0
100 M BACKSTROKE
Lisa Denaburg, BSC ... 1:18.0
Judy Merrill, SPRD ... 1:18.7
Linda Cattaneo, WPY ... 1:13.6
200 M BACKSTROKE
Meg McCully, SPRD ... 2:34.69
Linda Cattaneo, WPY ... 2:40.62
Lisa Denaburg, BSC ... 2:43.80
100 M FREESTYLE
Debbie Sullivan, SWSC ... 1:21.86
Sandy Parsons, Unat ... 1:27.06
Virginia Malcolm, CGSA ... 1:27.70

200 M BREASTSTROKE
Debbie Sullivan, SWSC ... 2:53.06
Sandy Parsons, Unat ... 3:06.79
Valerie Betz, BSC ... 3:08.4
100 M BUTTERFLY
Kathy Shrader, Hurr ... 1:12.8
Dana Critchett, WPY ... 1:13.6
Jackie BaJus, SPRD ... 1:14.0
Karré Cox, Hurr ... 1:14.0
200 M BUTTERFLY
Kathy Shrader, Hurr ... 2:38.59
Karré Cox, Hurr ... 2:41.27
Eleanor Whitner, CBI ... 2:43.21
200 M INDIVIDUAL MEDLEY
Kathy Shrader, Hurr ... 2:36.2
Diam Lawton, NPY ... 2:40.8
Debbie Sullivan, SWSC ... 2:41.3
15-17
50 M FREESTYLE
Leesa Sward, WPY ... 29.08
Sally Lee, WPY ... 29.10
Karen Stottlemeyer, SSC ... 29.30
100 M FREESTYLE
Louise Pfeifer, JNSC ... 1:03.61
Sally Lee, WPY ... 1:03.77
Jackie Walker, WPY ... 1:04.1
200 M FREESTYLE
Jackie Walker, WPY ... 2:15.04
Sally Lee, WPY ... 2:17.61
Louise Pfeifer, JNSC ... 2:18.22
400 M FREESTYLE
Gail Murray, JNSC ... 4:43.3
Jackie Walker, WPY ... 4:44.1
Elizabeth Newton, SWSC ... 4:52.0
100 M BACKSTROKE
Lou Tozer, DESA ... 1:14.0
Michelle Dunn, VBSA ... 1:14.5
Katie Jones, SSC ... 1:15.1
200 M BACKSTROKE
Michelle Dunn, VBSA ... 2:43.16
Pam Lowenhaupt, DESA ... 2:45.3
Connie Barger, WPY ... 2:46.60
100 M FREESTYLE
Didi McKenna, Y-Pir ... 1:25.22
Connie Barger, WPY ... 1:25.60
Maureen Morrissey, CFI ... 1:25.77
200 M FREESTYLE
Connie Barger, WPY ... 2:59.84
Didi McKenna, Y-Pir ... 3:07.30
Laura Hoffman, FMSA ... 3:07.44
100 M BUTTERFLY
Rosemarie Seaman, WPY ... 1:08.2
Karen Stottlemeyer, SSC ... 1:11.7
Lou Tozer, DESA ... 1:11.7
200 M BUTTERFLY
Rosemarie Seaman, WPY ... 2:36.29
Lyn Smith, JNSC ... 2:43.43
Chris Nielander, WPY ... 2:43.83
200 M INDIVIDUAL MEDLEY
Rosemarie Seaman, WPY ... 2:36.5
Gail Murray, JNSC ... 2:39.6
Connie Barger, WPY ... 2:41.0
400 M INDIVIDUAL MEDLEY
Connie Barger, WPY ... 5:38.18
Sharon Waterstreet, Hurr ... 5:40.28
Jackie Walker, WPY ... 5:44.11
BOYS
10 & Under
50 M FREESTYLE
Bruce Foster, TST ... 31.05
Jack Salzman, SSC ... 31.18
Coy Cobb, WPY ... 31.93
100 M FREESTYLE
Jack Salzman, SSC ... 1:08.99
Coy Cobb, WPY ... 1:09.88
David Friedman, SWSC ... 1:12.78
200 M FREESTYLE
Jack Salzman, SSC ... 2:30.4
Coy Cobb, WPY ... 2:33.0
Eric Wagner, SWSC ... 2:33.6
50 M BACKSTROKE
Jack Salzman, SSC ... 35.4
Coy Cobb, WPY ... 35.4
Mark Taylor, SWSC ... 38.1
100 M BACKSTROKE
Coy Cobb, WPY ... 1:17.54
Jack Salzman, SSC ... 1:18.20
Mark Taylor, SWSC ... 1:20.70
50 M FREESTYLE
Bruce Foster, TST ... 42.01
Eric Wagner, SWSC ... 42.67
100 M FREESTYLE
Tim Bean, SWSC ... 1:30.33
Eric Wagner, SWSC ... 1:31.65
Paul Olsen, SWSC ... 1:36.88
50 M BUTTERFLY
Coy Cobb, WPY ... 32.3
Bruce Foster, TST ... 33.0
Mark Taylor, SWSC ... 34.0
100 M BUTTERFLY
Mark Taylor, SWSC ... 1:16.66
Coy Cobb, WPY ... 1:17.89
Grant Gillen, Hurr ... 1:19.97
200 M INDIVIDUAL MEDLEY
Coy Cobb, WPY ... 2:50.31
Eric Wagner, SWSC ... 2:51.65
Tim Bean, SWSC ... 2:52.90
11-12
50 M FREESTYLE
Mark Holley, NBSC ... 29.64
Brant Foster, TST ... 29.82
Robert Rehnke, SPRD ... 30.10
100 M FREESTYLE
Ed Ryder, SWSC ... 2:16.78
Mark Holley, NBSC ... 2:22.66
Robert Rehnke, SPRD ... 2:22.98
50 M FREESTYLE
Ed Ryder, SWSC ... 4:39.5
Maury McKinney, OCY ... 4:59.7
Larry Wolf, WPY ... 5:00.7
50 M BACKSTROKE
Ed Ryder, SWSC ... 34.0
Maury McKinney, OCY ... 34.3
Hair Lott, DESA ... 34.4
100 M BACKSTROKE
Ed Ryder, SWSC ... 1:13.18
Maury McKinney, OCY ... 1:13.93
Hair Lott, DESA ... 1:16.46
50 M FREESTYLE
Maury McKinney, OCY ... 38.73
Daniel Kniseley, GRD ... 39.59
Bill Connolly, LWSA ... 39.97
100 M FREESTYLE
Maury McKinney, OCY ... 1:26.33
Daniel Kniseley, GRD ... 1:26.99
Mike Horgan, SWSC ... 1:27.94
50 M BUTTERFLY
Maury McKinney, OCY ... 31.7
Mark Holley, NBSC ... 32.0
Rolf Wilken, Hurr ... 32.7
100 M BUTTERFLY
Maury McKinney, OCY ... 1:10.41
Rolf Wilken, Hurr ... 1:12.55
Ed Ryder, SWSC ... 1:13.24
200 M INDIVIDUAL MEDLEY
Maury McKinney, OCY ... 2:34.87
Ed Ryder, SWSC ... 2:35.65
Rolf Wilken, Hurr ... 2:45.40
13-14
50 M FREESTYLE
Dirk Jordan, FLA ... 27.05
Bobby Buresh, PCL ... 27.38
Dickie Greer, GRD ... 27.40
100 M FREESTYLE
Dirk Jordan, FLA ... 58.76
Brian Kusel, Hurr ... 59.44
Bob Cooper, WPY ... 1:00.63
200 M FREESTYLE
Brian Kusel, Hurr ... 2:07.08
Allen deOlarzara, SWSC ... 2:09.02
Dirk Jordan, FLA ... 2:11.27
400 M FREESTYLE
Brian Kusel, Hurr ... 4:20.8
Allen deOlarzara, SWSC ... 4:29.2
Dickie Greer, GRD ... 4:32.4
100 M BACKSTROKE
Bobby Buresh, PCL ... 1:07.4
Steve Holmes, NPB ... 1:09.0
Allen deOlarzara, SWSC ... 1:11.3
200 M BACKSTROKE
Bobby Buresh, PCL ... 2:25.91
Brian Kusel, Hurr ... 2:26.32
Allen deOlarzara, SWSC ... 2:31.23
100 M FREESTYLE
Dan Newhall, WPY ... 1:15.56
Jeff Stern, DESA ... 1:16.57
Mike Vick, ESC ... 1:19.81
200 M FREESTYLE
Dan Newhall, WPY ... 2:44.41
Mike Vick, ESC ... 2:50.19
Jeff Stern, FMSA ... 2:52.43
100 M BUTTERFLY
Bobby Buresh, PCL ... 1:03.4
Steve Sapp, FLA ... 1:05.5
Brian Kusel, Hurr ... 1:05.9
200 M BUTTERFLY
Brian Kusel, Hurr ... 2:22.27
Bobby Buresh, PCL ... 2:26.04
Bob Cooper, WPY ... 2:26.73
200 M INDIVIDUAL MEDLEY
Dan Newhall, WPY ... 2:25.7
Brian Kusel, Hurr ... 2:27.4
Bobby Buresh, PCL ... 2:29.7
15-17
50 M FREESTYLE
Andy Coan, JNSC ... 25.36
Kirk Peppas, SWSC ... 25.63
Keith Amundsen, WPY ... 25.91
100 M FREESTYLE
Andy Coan, JNSC ... 55.55
Kirk Peppas, SWSC ... 56.07
Keith Amundsen, WPY ... 56.45
200 M FREESTYLE
Andy Coan, JNSC ... 2:03.58
Kirk Peppas, SWSC ... 2:04.34
Keith Amundsen, WPY ... 2:04.56
400 M FREESTYLE
Mike Sullivan, SWSC ... 4:18.2
Keith Amundsen, WPY ... 4:22.0
Jim McDaniel, SSC ... 4:29.8
100 M BACKSTROKE
Chris Merrill, SPRD ... 1:03.8
Dan Critchett, WPY ... 1:06.3
Kirk Peppas, SWSC ... 1:06.1
200 M BACKSTROKE
Chris Merrill, SPRD ... 2:19.17
Dan Critchett, WPY ... 2:21.61
Bill McConnell, Unat ... 2:24.90
100 M FREESTYLE
Tony Magill, Unat ... 1:11.05
Mike Joyner, WPY ... 1:12.98
David Gribble, Unat ... 1:14.97

200 M FREESTYLE
Tony Magill, Unat ... 2:35.76
David Gribble, Unat ... 2:40.10
Mike Joyner, WPY ... 2:41.17
100 M BUTTERFLY
John Apsley, JNSC ... 1:00.0
Steve Rosenbaum, SSC ... 1:02.2
David McCagg, FMSA ... 1:02.9
200 M BUTTERFLY
John Apsley, JNSC ... 2:17.60
Bill Machardy, WPY ... 2:20.58
Mike Kopacka, HSC ... 2:20.83
200 M INDIVIDUAL MEDLEY
Keith Amundsen, WPY ... 2:19.5
Dan Critchett, WPY ... 2:21.4
Chris Merrill, SPRD ... 2:23.4
400 M INDIVIDUAL MEDLEY
Dan Critchett, WPY ... 5:00.59
Mike Sullivan, SWSC ... 5:03.13
Chris Merrill, SPRD ... 5:07.15
LEWISTON RECREATION DEPT. MEET
Lewiston, Maine
Aug. 18-19, 1973 50 M Pool
GIRLS
10 & Under
50 M FREESTYLE
Carolyn Wyse, PTSC ... 35.4
Karin Johnson, Green ... 35.5
Theresa Aceto, PTSC ... 38.4
50 M BACKSTROKE
Carolyn Wyse, PTSC ... 43.2
Mary Gresik, Seals ... 44.5
Karin Johnson, Green ... 45.5
100 M FREESTYLE
Carolyn Wyse, PTSC ... 45.9
Mary Gresik, Seals ... 46.4
Debbie Laprade, Green ... 49.9
50 M BUTTERFLY
Karin Johnson, Green ... 39.0
Carolyn Wyse, PTSC ... 39.9
Theresa Aceto, PTSC ... 40.0
100 M INDIVIDUAL MEDLEY
Carolyn Wyse, PTSC ... 1:29.4
Karin Johnson, Green ... 1:32.4
Mary Gresik, Seals ... 1:33.3
11-12
50 M FREESTYLE
Mary Sowa, MST ... 32.0
Kimberly Averill, Ban ... 32.5
Leslie Martigan, PTSC ... 34.4
100 M FREESTYLE
Mary Sowa, MST ... 1:12.5
Kimberly Averill, Ban ... 1:14.9
Leslie Martigan, PTSC ... 1:16.1
100 M BACKSTROKE
Kimberly Averill, Ban ... 1:22.5
Mary Sowa, MST ... 1:26.9
Judy Bush, KVI ... 1:27.3
100 M FREESTYLE
Mary Sowa, MST ... 1:32.7
Marie Griczika, Green ... 1:35.6
Maida Williams, Naut ... 1:37.3
50 M BUTTERFLY
Kimberly Averill, Ban ... 37.1
Kimberly Averill, Ban ... 38.2
Michele Legere, Unat ... 39.3
200 M INDIVIDUAL MEDLEY
Mary Sowa, MST ... 2:57.1
Kimberly Averill, Ban ... 3:01.6
Marie Griczika, Green ... 3:15.6
13-14
50 M FREESTYLE
Deborah Carville, OT ... 31.5
Linda Larue, KVI ... 31.8
Ann Kruglewicz, Green ... 32.0
100 M FREESTYLE
Ann Kruglewicz, Green ... 1:09.0
Deborah Carville, OT ... 1:10.1
Pat Ramsdell, Green ... 1:12.9
100 M BACKSTROKE
Judy Landry, MST ... 1:18.4
Linda Larue, KVI ... 1:19.2
Deborah Carville, OT ... 1:24.2
100 M FREESTYLE
Shirley Averill, Ban ... 1:30.5
Maria McDonough, PTSC ... 1:31.9
Pat Tobiasen, PTSC ... 1:32.5
50 M BUTTERFLY
Judy Landry, MST ... 34.9
Linda Larue, KVI ... 35.1
Eileen Lawler, Seals ... 36.9
200 M INDIVIDUAL MEDLEY
Ann Kruglewicz, Green ... 2:49.2
Linda Larue, KVI ... 2:52.3
Judy Landry, MST ... 2:56.0
OPEN
50 M FREESTYLE
Sue Strahan, Seals ... 32.0
Theresa Phelps, Naut ... 32.4
Heidi Baril, Hares ... 32.7
100 M FREESTYLE
Joanne Dora, Green ... 1:10.5
Sue Strahan, Seals ... 1:12.2
M.J. Thurston, PTSC ... 1:12.2
200 M FREESTYLE
Joanne Dora, Green ... 2:37.4
M.J. Thurston, PTSC ... 2:44.3

Shawn Loughlin, WSC ... 2:46.9
100 M BACKSTROKE
Judy Landry, MST ... 1:19.7
Shawn Loughlin, WSC ... 1:20.5
Prudie Taylor, Ban ... 1:20.9
200 M BACKSTROKE
Judy Landry, MST ... 2:52.2
Shawn Loughlin, WSC ... 2:52.4
M.J. Thurston, PTSC ... 2:56.4
200 M FREESTYLE
Shirley Averill, Ban ... 3:16.6
Sue Williams, Naut ... 3:19.9
Marla McDonough, PTSC ... 3:20.5
100 M BUTTERFLY
M.J. Thurston, PTSC ... 1:18.0
Shawn Loughlin, WSC ... 1:20.1
Sue Strahan, Seals ... 1:20.4
200 M INDIVIDUAL MEDLEY
Shawn Loughlin, WSC ... 2:52.2
M.J. Thurston, PTSC ... 2:53.0
Deborah Carville, OT ... 3:00.6
BOYS
10 & Under
50 M FREESTYLE
Rocco Aceto, PTSC ... 33.8
Bill Carroll, Green ... 34.2
Gregg Pepper, Naut ... 39.5
50 M BACKSTROKE
Rocco Aceto, PTSC ... 43.3
Bill Carroll, Green ... 43.6
Gregg Pepper, Naut ... 51.6
100 M FREESTYLE
Rocco Aceto, PTSC ... 46.2
Chris Cronin, MST ... 48.1
Mike Pelletier, KVI ... 49.1
50 M BUTTERFLY
Rocco Aceto, PTSC ... 39.8
Bill Carroll, Green ... 43.5
Gregg Pepper, Naut ... 55.8
100 M INDIVIDUAL MEDLEY
Rocco Aceto, PTSC ... 1:30.6
Bill Carroll, Green ... 1:34.4
Mike Pelletier, KVI ... 1:40.5
11-12
50 M FREESTYLE
Robbie Young, CY ... 29.8
Kevin Koczny, MST ... 30.0
Jeff Dufour, OT ... 31.8
100 M FREESTYLE
Kevin Koczny, MST ... 1:07.2
Scott Bowie, PTSC ... 1:10.0
Louie Dearborn, PTSC ... 1:12.2
100 M BACKSTROKE
Kevin Koczny, MST ... 1:21.8
Louie Dearborn, PTSC ... 1:23.6
Bradley Howe, Green ... 1:24.7
100 M FREESTYLE
Kevin Koczny, MST ... 1:26.5
Joe Harper, Bath ... 1:35.4
Mark Chandler, Naut ... 1:36.8
50 M BUTTERFLY
Kevin Koczny, MST ... 34.4
Alan Stuart, Green ... 35.2
Mike Hutchinson, Unat ... 35.3
100 M INDIVIDUAL MEDLEY
Kevin Koczny, MST ... 2:47.1
Louie Dearborn, PTSC ... 2:57.1
Scott Bowie, PTSC ... 2:58.4
13-14
50 M FREESTYLE
Glenn Ginish, Unat ... 28.1
Ray Vautour, Green ... 28.3
John Coombs, Ban ... 28.6
100 M FREESTYLE
Glenn Ginish, Unat ... 1:01.4
Ray Vautour, Green ... 1:03.0
John Coombs, Ban ... 1:04.3
100 M BACKSTROKE
Glenn Ginish, Unat ... 1:12.8
John Holton, PTSC ... 1:14.9
Doug McCormick, Hares ... 1:19.7
100 M FREESTYLE
Ann Kruglewicz, Green ... 1:09.0
Deborah Carville, OT ... 1:10.1
Pat Ramsdell, Green ... 1:12.9
100 M BACKSTROKE
Judy Landry, MST ... 1:18.4
Linda Larue, KVI ... 1:19.2
Deborah Carville, OT ... 1:24.2
100 M FREESTYLE
Shirley Averill, Ban ... 1:30.5
Maria McDonough, PTSC ... 1:31.9
Pat Tobiasen, PTSC ... 1:32.5
50 M BUTTERFLY
Judy Landry, MST ... 34.9
Linda Larue, KVI ... 35.1
Eileen Lawler, Seals ... 36.9
200 M INDIVIDUAL MEDLEY
Ann Kruglewicz, Green ... 2:49.2
Linda Larue, KVI ... 2:52.3
Judy Landry, MST ... 2:56.0
OPEN
50 M FREESTYLE
Sue Strahan, Seals ... 32.0
Theresa Phelps, Naut ... 32.4
Heidi Baril, Hares ... 32.7
100 M FREESTYLE
Joanne Dora, Green ... 1:10.5
Sue Strahan, Seals ... 1:12.2
M.J. Thurston, PTSC ... 1:12.2
200 M FREESTYLE
Joanne Dora, Green ... 2:37.4
M.J. Thurston, PTSC ... 2:44.3

10 & Under
50 M FREESTYLE
Rocco Aceto, PTSC ... 33.8
Bill Carroll, Green ... 34.2
Gregg Pepper, Naut ... 39.5
50 M BACKSTROKE
Rocco Aceto, PTSC ... 43.3
Bill Carroll, Green ... 43.6
Gregg Pepper, Naut ... 51.6
100 M FREESTYLE
Rocco Aceto, PTSC ... 46.2
Chris Cronin, MST ... 48.1
Mike Pelletier, KVI ... 49.1
50 M BUTTERFLY
Rocco Aceto, PTSC ... 39.8
Bill Carroll, Green ... 43.5
Gregg Pepper, Naut ... 55.8
100 M INDIVIDUAL MEDLEY
Rocco Aceto, PTSC ... 1:30.6
Bill Carroll, Green ... 1:34.4
Mike Pelletier, KVI ... 1:40.5
11-12
50 M FREESTYLE
Robbie Young, CY ... 29.8
Kevin Koczny, MST ... 30.0
Jeff Dufour, OT ... 31.8
100 M FREESTYLE
Kevin Koczny, MST ... 1:07.2
Scott Bowie, PTSC ... 1:10.0
Louie Dearborn, PTSC ... 1:12.2
100 M BACKSTROKE
Kevin Koczny, MST ... 1:21.8
Louie Dearborn, PTSC ... 1:23.6
Bradley Howe, Green ... 1:24.7
100 M FREESTYLE
Kevin Koczny, MST ... 1:26.5
Joe Harper, Bath ... 1:35.4
Mark Chandler, Naut ... 1:36.8
50 M BUTTERFLY
Kevin Koczny, MST ... 34.4
Alan Stuart, Green ... 35.2
Mike Hutchinson, Unat ... 35.3
100 M INDIVIDUAL MEDLEY
Kevin Koczny, MST ... 2:47.1
Louie Dearborn, PTSC ... 2:57.1
Scott Bowie, PTSC ... 2:58.4
13-14
50 M FREESTYLE
Glenn Ginish, Unat ... 28.1
Ray Vautour, Green ... 28.3
John Coombs, Ban ... 28.6
100 M FREESTYLE
Glenn Ginish, Unat ... 1:01.4
Ray Vautour, Green ... 1:03.0
John Coombs, Ban ... 1:04.3
100 M BACKSTROKE
Glenn Ginish, Unat ... 1:12.8
John Holton, PTSC ... 1:14.9
Doug McCormick, Hares ... 1:19.7
100 M FREESTYLE
Ann Kruglewicz, Green ... 1:09.0
Deborah Carville, OT ... 1:10.1
Pat Ramsdell, Green ... 1:12.9
100 M BACKSTROKE
Judy Landry, MST ... 1:18.4
Linda Larue, KVI ... 1:19.2
Deborah Carville, OT ... 1:24.2
100 M FREESTYLE
Shirley Averill, Ban ... 1:30.5
Maria McDonough, PTSC ... 1:31.9
Pat Tobiasen, PTSC ... 1:32.5
50 M BUTTERFLY
Judy Landry, MST ... 34.9
Linda Larue, KVI ... 35.1
Eileen Lawler, Seals ... 36.9
200 M INDIVIDUAL MEDLEY
Ann Kruglewicz, Green ... 2:49.2
Linda Larue, KVI ... 2:52.3
Judy Landry, MST ... 2:56.0
OPEN
50 M FREESTYLE
Sue Strahan, Seals ... 32.0
Theresa Phelps, Naut ... 32.4
Heidi Baril, Hares ... 32.7
100 M FREESTYLE
Joanne Dora, Green ... 1:10.5
Sue Strahan, Seals ... 1:12.2
M.J. Thurston, PTSC ... 1:12.2
200 M FREESTYLE
Joanne Dora, Green ... 2:37.4
M.J. Thurston, PTSC ... 2:44.3
Fritz Homans, Ban ... 2:34.4

east

LEWISTON RECREATION DEPT. MEET
Lewiston, Maine
Aug. 18-19, 1973 50 M Pool

GIRLS

10 & Under

50 M FREESTYLE

Carolyn Wyse, PTSC ... 35.4

Karin Johnson, Green ... 35.5

Theresa Aceto, PTSC ... 38.4

50 M BACKSTROKE

Carolyn Wyse, PTSC ... 43.2

Mary Gresik, Seals ... 44.5

Karin Johnson, Green ... 45.5

100 M FREESTYLE

Carolyn Wyse, PTSC ... 45.9

Mary Gresik, Seals ... 46.4

Debbie Laprade, Green ... 49.9

50 M BUTTERFLY

Karin Johnson, Green ... 39.0

Carolyn Wyse, PTSC ... 39.9

Theresa Aceto, PTSC ... 40.0

100 M INDIVIDUAL MEDLEY

Carolyn Wyse, PTSC ... 1:29.4

Karin Johnson, Green ... 1:32.4

Mary Gresik, Seals ... 1:33.3

11-12

50 M FREESTYLE

Mary Sowa, MST ... 32.0

Kimberly Averill, Ban ... 32.5

Leslie Martigan, PTSC ... 34.4

100 M FREESTYLE

Mary Sowa, MST ... 1:12.5

Kimberly Averill, Ban ... 1:14.9

Leslie Martigan, PTSC ... 1:16.1

100 M BACKSTROKE

Kimberly Averill, Ban ... 1:22.5

Mary Sowa, MST ... 1:26.9

Judy Bush, KVI ... 1:27.3

100 M FREESTYLE

Mary Sowa, MST ... 1:32.7

Marie Griczika, Green ... 1:35.6

Maida Williams, Naut ... 1:37.3

50 M BUTTERFLY

Kimberly Averill, Ban ... 37.1

Kimberly Averill, Ban ... 38.2

Michele Legere, Unat ... 39.3

200 M INDIVIDUAL MEDLEY

Mary Sowa, MST ... 2:57.1

Kimberly Averill, Ban ... 3:01.6

Marie Griczika, Green ... 3:15.6

13-14

50 M FREESTYLE

Deborah Carville, OT ... 31.5

Linda Larue, KVI ... 31.8

Ann Kruglewicz, Green ... 32.0

100 M FREESTYLE

Ann Kruglewicz, Green ... 1:09.0

Deborah Carville, OT ... 1:10.1

Pat Ramsdell, Green ... 1:12.9

100 M BACKSTROKE

Judy Landry, MST ... 1:18.4

Linda Larue, KVI ... 1:19.2

Deborah Carville, OT ... 1:24.2

100 M FREESTYLE

Shirley Averill, Ban ... 1:30.5

Maria McDonough, PTSC ... 1:31.9

Pat Tobiasen, PTSC ... 1:32.5

50 M BUTTERFLY

Richie Palmer, Ban	2:41.2
Pat Gamack, Ban	2:43.4
200 M FREESTYLE	
Ron Demers, Hares	2:43.7
David Chassee, Hares	2:54.4
Bill Houston, Ban	2:56.6
100 M BUTTERFLY	
Fritz Homans, Ban	1:04.6
Collin Hampton, Naut	1:09.4
Peter Howl, OT	1:09.4
200 M INDIVIDUAL MEDLEY	
Ron Demers, Hares	2:30.0
Fritz Homans, Ban	2:30.6
Richie Palmer, Ban	2:32.3

midwest

CUYAHOGA FALLS JAYCEES AAU MEET
Cuyahoga Falls, Ohio
July 20-22, 1973 50 M Pool

GIRLS

10 & Under	
50 M FREESTYLE	
J. Booth, GTAC	33.06
Mary Schermer, WNSC	34.33
Marilyn Font, LRSC	34.53
100 M FREESTYLE	
J. Booth, GTAC	1:13.56
Mary Schermer, WNSC	1:16.12
L. Schoen, GPSC	1:17.13
50 M BACKSTROKE	
J. Booth, GTAC	40.34
Sue Arnsom, LEC	41.10
Kathy Stell, LRSC	41.12
50 M BREASTSTROKE	
J. Booth, GTAC	42.22
Marilyn Font, LRSC	44.23
E. Kempf, YMAHA	45.54
50 M BUTTERFLY	
J. Booth, GTAC	35.47
L. Schoen, GPSC	38.44
Sue Arnsom, LEC	38.85

11-12	
50 M FREESTYLE	
R. Ehrlich, GCSC	30.58
G. Hodgman, LEC	31.06
M. Fleck, LRSC	31.11
100 M FREESTYLE	
B. Caster, LEC	1:07.91
C. Noakes, LEC	1:08.58
E. Linkfield, GTAC	1:09.94
50 M BACKSTROKE	
G. Campbell, WNSC	38.19
R. Ehrlich, GCSC	38.86
P. Heggie, LEC	39.31
50 M BUTTERFLY	
R. Ehrlich, GCSC	32.21
B. Moran, NH-Y	33.58
C. Hodgman, LEC	33.62

13-14	
50 M FREESTYLE	
C. Falbo, USC	29.29
P. Maldonado, LRSC	29.37
V. Huffman, GCSC	30.20
100 M FREESTYLE	
C. Falbo, USC	1:04.38
P. Maldonado, LRSC	1:05.80
C. Gauntner, LRSC	1:06.48
100 M BACKSTROKE	
J. Coy, GPSC	1:16.30
P. Dowling, LRSC	1:16.32
B. Tinker, GCSC	1:17.64
100 M BUTTERFLY	
C. Gauntner, LEC	1:24.24
P. Dowling, LRSC	1:24.58
G. Eyles, FAST	1:24.81
100 M FREESTYLE	
J. Hable, WNSC	1:15.22
A. Titus, GCSC	1:15.71
S. Taylor, GPSC	1:15.79
200 M INDIVIDUAL MEDLEY	
P. Dowling, LRSC	2:40.22
C. Falbo, USC	2:42.92
B. Tinker, GCSC	2:43.92

OPEN WOMEN	
50 M FREESTYLE	
K. McKittrick, WNSC	27.83
L. Potter, S-Y	28.53
P. Maldonado, LRSC	29.05
100 M FREESTYLE	
C. Falbo, USC	1:04.12
L. Potter, S-Y	1:04.66
J. Reed, USC	1:05.52
200 M FREESTYLE	
C. Cellura, LEC	2:18.60
C. Falbo, USC	2:19.33
J. Reed, USC	2:20.70
400 M FREESTYLE	
C. Cellura, LEC	4:51.36
J. Reed, USC	4:51.67
S. Gottschalk, LEC	4:51.68
200 M BACKSTROKE	
K. Wilson, GPSC	2:36.84
C. Cellura, LEC	2:37.36
P. Mueller, LEC	2:40.49
100 M FREESTYLE	
D. Guild, LEC	1:21.37
G. Eyles, FAST	1:23.89
C. Gauntner, LEC	1:24.56

200 M FREESTYLE	
D. Guild, LEC	2:58.91
G. Eyles, FAST	3:00.91
M. Krumer, GCSC	3:01.67
100 M BUTTERFLY	
L. Potter, S-Y	1:11.72
K. Wilson, GPSC	1:12.76
M. Blaurott, LEC	1:14.13
200 M BUTTERFLY	
S. Reisdorf, GPSC	2:44.19
C. Cellura, LEC	2:44.56
M. Blaurott, LEC	2:52.67
200 M INDIVIDUAL MEDLEY	
G. Thompson, LEC	2:42.30
S. Gottschalk, LEC	2:42.69
P. McMill, LRSC	2:43.62
400 M INDIVIDUAL MEDLEY	
A. Conley, AFSC	5:38.49
C. Cellura, LEC	5:42.21
S. Gottschalk, LEC	5:44.00
100 M BACKSTROKE	
K. Wilson, GPSC	1:13.11
C. Cellura, LEC	1:14.38
K. Clemente, LSSC	1:14.49

BOYS	
10 & Under	
50 M FREESTYLE	
C. Ritzer, GPSC	32.67
J. Kratzer, GCSC	33.24
M. Wolff, LRSC	33.50
100 M FREESTYLE	
D. Barnes, LRSC	1:11.73
J. Kratzer, GCSC	1:12.23
J. Branden, LEC	1:13.09
50 M BACKSTROKE	
J. Kratzer, GCSC	36.74
D. Barnes, LRSC	37.52
J. Branden, LEC	39.17
50 M BREASTSTROKE	
D. Barnes, LRSC	43.16
J. Dow, WNSC	43.68
J. Branden, LEC	44.78
50 M BUTTERFLY	
C. Ritzer, GPSC	33.84
J. Kratzer, GCSC	34.65
J. Branden, LEC	36.91

11-12	
50 M FREESTYLE	
S. Vaxman, IMSC	29.29
G. Cook, WNSC	29.52
P. Vasiloff, Un	30.19
100 M FREESTYLE	
S. Vaxman, IMSC	1:05.28
R. Kirik, LRSC	1:07.16
P. Vasiloff, Un	1:07.35
50 M BACKSTROKE	
M. Barnes, LRSC	33.38
A. Eckert, LEC	35.25
J. Volk, GPSC	36.07
50 M BREASTSTROKE	
G. Cook, WNSC	38.66
S. Vaxman, IMSC	40.52
M. Barnes, LRSC	41.05
50 M BUTTERFLY	
S. Vaxman, IMSC	32.91
R. Kirik, LRSC	33.60
M. Barnes, LRSC	34.43

13-14	
50 M FREESTYLE	
J. Winegarner, LRSC	27.55
L. Baylie, YMAHA	28.19
R. Hanlon, NH-Y	28.24
100 M FREESTYLE	
B. Branden, LEC	59.79
J. Winegarner, LRSC	1:00.96
R. Hanlon, NH-Y	1:01.49
100 M BACKSTROKE	
J. Winegarner, LRSC	1:07.27
B. Branden, LEC	1:08.74
R. Hanlon, NH-Y	1:09.94
100 M BUTTERFLY	
D. King, LEC	1:18.11
M. Archer, GCSC	1:18.49
B. Branden, LEC	1:19.27
100 M FREESTYLE	
R. Hanlon, NH-Y	1:06.08
J. Winegarner, LRSC	1:06.75
B. Branden, LEC	1:06.75
200 M INDIVIDUAL MEDLEY	
B. Branden, LEC	2:27.15
J. Winegarner, LRSC	2:27.80
M. Archer, GCSC	2:32.99

15-17	
100 M FREESTYLE	
D. Watson, WMWHA	57.18
K. Wilson, GPSC	57.68
J. Klebowick, LSSC	58.50
200 M FREESTYLE	
T. Smith, LSSC	2:08.50
J. Ovssek, LEC	2:08.93
Zarm, GTAC	2:09.15
100 M BACKSTROKE	
B. Kloos, LRSC	1:05.35
K. Wilson, GPSC	1:05.72
T. Orton, LEC	1:05.75
100 M BREASTSTROKE	
R. Hofstetter, GPSC	1:08.43
M. Hull, WNSC	1:15.72
K. Bailey, LSSC	1:15.75
100 M BUTTERFLY	
B. Glasstetter, GPSC	1:01.93
M. Giancarli, ASC	1:03.61
S. Forster, LEC	1:04.06

200 M INDIVIDUAL MEDLEY	
B. Glasstetter, GPSC	2:23.85
F. Polefrone, ASC	2:24.64
B. Lansberry, GPSC	2:26.75
OPEN MEN	
50 M FREESTYLE	
M. Nash, GPSC	24.81
J. Branden, LEC	25.37
B. Catt, WNSC	25.85
100 M FREESTYLE	
M. Nash, GPSC	54.20
J. DeVincentis, WNSC	55.29
D. Watson, WMWHA	56.58
200 M FREESTYLE	
J. DeVincentis, WNSC	2:05.64
T. Hable, LEC	2:05.74
G. Zam, GTAC	2:05.78
100 M FREESTYLE	
J. Krumwiede, LEC	4:22.77
M. Nash, GPSC	4:29.33
D. Ward, LEC	4:30.70
100 M BACKSTROKE	
M. Nash, GPSC	1:03.02
K. Wilson, GPSC	1:05.62
B. Kloos, LRSC	1:05.80
200 M BACKSTROKE	
M. Nash, GPSC	2:19.30
T. Orton, LEC	2:20.68
B. Kloos, LRSC	2:22.24
100 M BREASTSTROKE	
R. Hofstetter, GPSC	1:08.31
D. Dumke, WNSC	1:15.82
K. Bailey, LSSC	1:15.83
200 M BREASTSTROKE	
R. Hofstetter, GPSC	2:38.03
M. Hull, WNSC	2:46.16
D. Dumke, WNSC	2:46.75
100 M BUTTERFLY	
B. Glasstetter, GPSC	1:01.43
T. Hable, LEC	1:02.95
M. Giancarli, ASC	1:03.43
200 M BUTTERFLY	
B. Glasstetter, GPSC	2:19.89
T. Hable, LEC	2:21.49
D. Dumke, WNSC	2:27.08

200 M INDIVIDUAL MEDLEY	
M. Nash, GPSC	2:19.79
J. Branden, LEC	2:21.81
T. Hable, LEC	2:24.27
400 M INDIVIDUAL MEDLEY	
M. Nash, GPSC	5:00.21
T. Hable, LEC	5:00.93
B. Glasstetter, GPSC	5:11.02

COLONIAL CITY INVITATIONAL AG MEET
Mt. Vernon, Ohio
June 30, 1973 25 M Pool

GIRLS	
9-10	
50 M FREESTYLE	
K. Albright, CCAC	35.5
T. Sclmer, Unatt	35.8
T. Haynes, JESC	36.2
50 M BACKSTROKE	
T. Sclmer, Unatt	41.5
K. Albright, CCAC	43.1
M. Ciricillo, UASC	43.0
50 M BREASTSTROKE	
K. Fimeran, GCSC	46.7
Nancy Neptune, WSTR	46.6
T. Sclmer, Unatt	47.1
50 M BUTTERFLY	
J. Westhans, AlbA	39.7
T. Sclmer, Unatt	39.7
J. Harris, UASC	45.0
100 M INDIVIDUAL MEDLEY	
T. Sclmer, Unatt	1:30.2
N. Ciricillo, UASC	1:32.4
K. Fimeran, GCSC	1:35.4

11-12	
50 M FREESTYLE	
R. Ehrlich, GCSC	30.7
S. Sharick, UASC	31.3
C. Seward, JESC	32.9
100 M FREESTYLE	
S. Sharick, UASC	1:07.9
D. Ducharme, JESC	1:09.9
R. Ehrlich, GCSC	1:10.4
50 M BACKSTROKE	
S. Sharick, UASC	37.2
C. Wright, JESC	37.4
D. Ducharme, JESC	38.3
50 M BREASTSTROKE	
R. Ehrlich, GCSC	40.9
D. Ducharme, JESC	41.2
Diane Roller, WSTR	41.5
50 M BUTTERFLY	
R. Ehrlich, GCSC	34.5
S. Sharick, UASC	35.5
L. Cecovets, West	36.7
100 M INDIVIDUAL MEDLEY	
R. Ehrlich, GCSC	1:18.4
S. Sharick, UASC	1:19.1
D. Ducharme, JESC	1:19.5

13-14	
50 M FREESTYLE	
V. Huffman, GCSC	30.0
B. Taylor, Lanc	30.6
A. Callahan, MTV	30.6
100 M FREESTYLE	
V. Huffman, GCSC	1:06.3
T. Bischoff, Sand	1:06.9

L. Pepper, CCAC	1:08.0
100 M FREESTYLE	
T. Bischoff, Sand	2:25.4
V. Huffman, GCSC	2:30.2
L. Pepper, CCAC	2:30.9
G. Ciricillo, UASC	2:30.9
100 M BACKSTROKE	
B. Tinker, GCSC	1:17.7
V. Huffman, GCSC	1:19.6
L. Pepper, CCAC	1:20.4
100 M BREASTSTROKE	
K. Burnside, GPSC	1:25.5
L. Lehr, UASC	1:25.8
B. Tinker, GCSC	1:28.3
100 M BUTTERFLY	
A. Titus, GCSC	1:15.7
T. Bischoff, Sand	1:17.2
B. Tinker, GCSC	1:17.2
200 M INDIVIDUAL MEDLEY	
B. Tinker, GCSC	2:43.1
A. Callahan, MTV	2:49.7
L. Pepper, CCAC	2:51.6
A. Titus, GCSC	2:51.6

15-17	
50 M FREESTYLE	
B. Ehrlich, GCSC	30.4
M. Pflieger, Unatt	30.6
P. Mulligan, CCAC	30.7
100 M FREESTYLE	
P. Mulligan, CCAC	1:06.9
M. Pflieger, Unatt	1:07.2
J. Stimmel, GCSC	1:07.8
200 M FREESTYLE	
S. Hite, GCSC	2:27.4
Dennis Gale, GCSC	2:29.3
M. Maceman, UASC	2:29.8
100 M BACKSTROKE	
R. Ehrlich, GCSC	1:18.7
M. Maceman, UASC	1:21.0
H. Hafer, CCAC	1:22.0
100 M BREASTSTROKE	
M. Kramer, GCSC	1:24.3
Lynne Bosnak, WSTR	1:25.9
F. Richardson, CCAC	1:29.4
100 M BUTTERFLY	
R. Ehrlich, GCSC	1:15.5
H. Hafer, CCAC	1:19.1
M. Kramer, GCSC	1:19.6
200 M INDIVIDUAL MEDLEY	
M. Kramer, GCSC	2:45.7
M. Maceman, UASC	2:49.2
J. Stimmel, GCSC	2:49.4

BOYS

9-10	
50 M FREESTYLE	
R. Fair, Sand	32.9
G. Hoess, UASC	34.2
D. Johnston, UASC	34.5
50 M BACKSTROKE	
G. Hoess, UASC	39.1
P. Fair, Sand	39.4
T. Hawkins, JESC	40.9
50 M BREASTSTROKE	
K. Kay, Worth	41.7
T. Hawkins, JESC	43.9
R. Fair, Sand	45.0
50 M BUTTERFLY	
R. Fair, Sand	38.0
G. Hoess, UASC	41.0
J. Miles, Sand	41.5
100 M INDIVIDUAL MEDLEY	
R. Fair, Sand	1:23.0
G. Hoess, UASC	1:25.9
T. Hawkins, JESC	1:28.5

11-12	
50 M FREESTYLE	
Mickey Denen, Spring	30.0
P. Hahner, West	30.5
B. Palmer, JESC	30.7
100 M FREESTYLE	
B. Palmer, JESC	1:06.4
Mickey Denen, Spring	1:06.6
M. Kidwell, UASC	1:09.1
50 M BACKSTROKE	
D. Ashcraft, Unat	37.2
Mickey Denen, Spring	37.9
J. Fox, GCSC	37.9
50 M BREASTSTROKE	
P. Hahner, West	39.4
T. Tothman, UASC	40.1
D. Ashcraft, Unat	41.4
50 M BUTTERFLY	
Mickey Denen, Spring	34.7
P. Hahner, West	35.0
B. Shadwick, Newark	35.2
100 M INDIVIDUAL MEDLEY	
D. Ashcraft, Unat	1:20.0
P. Hahner, West	1:20.1
B. Palmer, JESC	1:21.0

13-14	
50 M FREESTYLE	
M. Steele, Lanc	27.2
A. Walker, MTV	27.4
S. Sepsy, UASC	27.8
100 M FREESTYLE	
P. Aldag, UASC	1:00.5
D. Devore, UASC	1:01.0
A. Walker, MTV	1:01.2
200 M FREESTYLE	
A. Walker, MTV	2:11.9
P. Aldag, UASC	2:12.0
D. Devore, UASC	2:12.4

**THIRD ANNUAL
TUCSON CONQUISTADORES**

Thanksgiving Invitational

November 23-24, 1973
Tucson, Arizona

- Arizona AAU sanctioned
- National "A" Time Standards
- 8-under thru Open
- 25 yd. Indoor pool
- Non-turbulent lane lines
- Custom Medals 1-3
- Age Group High Point Trophies

For information & entries write or call:

James O'Leary
2012 E. LaMadera Dr.
Tucson, Arizona 85719
602-327-4454

**WESTCHESTER SWIM
CLASSIC**

4th ANNUAL

November 30, December 1 and 2
Sponsored by PEPSICO, INC.

- OMEGA Fully Automatic Timing
- 72 Events
- Age Group & Open
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- Custom Medals 1-6, All Events
- Trophies, Boys & Girls Age Group and Team
- AAU Sanctioned
- Event Entries Limited to 4,000
- Cut-Off Times
- Entries Close Nov. 15, 1973

For information write to:

Dick Appl
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515 North Street
White Plains, N.Y. 10605
914-OW3-2311

**ALL TROPHY MEET
Hollywood Swim Club**

December 7, 8, 9 1973
Miami, Florida

- Distinctive Trophies 1 - 8 Places
- U. of Miami Heated Pool
- 8 Under thru Senior - "A"
- 8 Lane 25 yd. Outdoor Pool
- Keifer McNeil Anti-Turbulence Lane Markers
- Electronic Timing and Judging

For Information Write:

Mrs. Julie DiGiorgio
4101 S.W. 102 Ave.
Ft. Lauderdale, FLA. 33314

5th Annual

**THANKSGIVING
INVITATIONAL**

by

Little Rock "Dolphins"

November 23, 24, 25, 1973

8 lane, 25 yard indoor pool, NON-TURBULENCE lane lines.
All senior events, prelims and finals;
Age Group - timed finals. 10 & Under, 11 & 12, 13 & 14 and Open qualifying times.

Write for entries:

Mr. Ed Briscoe
1 Huntington Drive
Little Rock, Ark. 72207
(501) 225-5748

**THE SIXTH ANNUAL
EASTERN SPRINTS**

Presented by

**THE AQUAMAIDS AND
AQUAMEN OF WORCESTER**

December 15 and 16, 1973

Quinsigamond Community College Pool
West Boylston St., Worcester, Mass.

- "A" Meet, electronic timing and timed finals.
- 25 & 50-yd. distances, 6 lane 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, duplicates for ties.
- Team trophies - boys & girls - first place only.
- High point trophy each age group.
- Entries close Sunday, December 2nd.

For further information:
Marlene Reardon
P.O. Box 152
Morningdale, Mass. 01530
(617) 869-2982

**MADISON A & W AQUATIC
CLUB**

Announces

**SECOND ANNUAL
A & W
FLOATS SWIM MEET
Dec. 7-8-9, 1973**

- * Wisconsin AAU Sanctioned "A" Class Meet
- * Electronic Timing
- * 6 Lane 25 yard pool
- * Age Group and Open
- * 8-Under Events
- * Awards through 6th Place
- * Individual High Point Awards
- * Team Trophies

For information & entry forms contact:

Keith Stahl, Meet Director
6013 Driftwood Ave.
Madison, Wisconsin 53705
(608) 238-5643

**ST. PETERSBURG RECREATION
DEPT. AQUATIC CLUB
PRESENTS**

**SANTA'S SUNSHINE AGE GROUP
& OPEN INVITATIONAL**

DECEMBER 22 and 23, 1973

SPONSORED BY

UNION TRUST NATIONAL BANK OF
ST. PETERSBURG, FLORIDA

- * 8 Non-turbulent racing lanes
- * Olympic outdoor heated pool - on Tampa Bay - Heart of St. Petersburg
- * 80 Events - 10 & U, 11-12, 13-14, Open
- * Trophies for Individual Events, 1st - 8th
- * AAU Sanctioned
- * Automatic timing

ENTRY INFORMATION:

Harry Barnhardt
12171 74th Avenue N.
Seminole, Florida 33542
(813) 392-2188

**SENTINEL-STAR TANGERINE BOWL
NORTH vs SOUTH INVITATIONAL**

Swimming & Diving Prelims Dec. 28
Swimming & Diving Finals Dec. 29

- Top 4 men & women from North vs. top 4 from South in finals
- 8 lane, 25 yd. Short Course
- 2-1m, & 2-3m, Maxiflex boards
- Unlimited workout opportunities in 3 area heated pools
- Qualifying times
- Electronic timing
- Visit Disney World
- Swim & vacation in Central Florida

For details write:

Harry J. Meisel
Rollins College
Winter Park, Florida 32789

Z - I - P C - O - D - E

Is It Correct?

SWIMMING WORLD Subscribers - - please check the address label on your current issue of Swimming World. Is it correct?

If NOT, please write to us immediately AND ATTACH YOUR ADDRESS LABEL to your letter. Give us your correct Zip Code, and we will do the rest.

100 M BACKSTROKE
 Corinne Calhoun, EMAA ...1:14.2
 Margaret Browne, Balboa...1:18.5
 Janet Greenleaf, Mission 1:20.0
50 M FREESTYLE
 Darla Bisol, SBAH 39.6
 Kimberley McKeahan, MSAC... 40.3
 Veronica Brouwer, Venice... 40.5
100 M FREESTYLE
 Kimberley McKeahan, MSAC. 1:27.1
 Darla Bisol, SBAH 1:28.7
 Darlene Nielsen, FAS... 1:29.0
50 M BUTTERFLY
 Jill Sterkel, EMAA 31.5
 Nancy Vermallis, SFAVC... 32.6
 Pam Maurer, PH6LB 32.6
100 M BUTTERFLY
 Sharma Kousnetz, Anaheim 1:13.2
 Corinne Calhoun, EMAA... 1:13.6
 Rebecca Goddard, FAS... 1:15.4
200 M INDIVIDUAL MEDLEY
 Rebecca Goddard, FAS... 2:40.5
 Mary Walsh, Cypress 2:41.3
 Cathy Cathcart, LAC..... 2:47.2

BOYS
 10 & Under
50 M FREESTYLE
 James Joyce, Conejo 31.4
 Mark Maldonado, Saddle... 32.0
 Lindsey Riley, HBAC 32.8
100 M FREESTYLE
 Thomas Cook, Mission... 1:09.5
 Bobby Ward, Simi 1:10.2
 James Joyce, Conejo 1:11.0
200 M FREESTYLE
 Thomas Cook, Mission ... 2:29.6
 Michael Grabowski, Chaff 2:30.0
 Chris Peterson, GSC 2:35.2
50 M BACKSTROKE
 Joseph Lilekic, EL Cam... 38.0
 Chris Flatner, RAA 38.5
 Perry Viscounty, Sand... 40.5
100 M BACKSTROKE
 Thomas Cook, Mission ... 1:19.6
 Chris Peterson, GSC 1:21.2
 Lee Davis, AQMB 1:22.8
50 M FREESTYLE
 John Walton, EMAA 41.6
 Joel Nelson, Unat 42.8
 Vaughan Miller, Conejo ... 43.0
100 M FREESTYLE
 Bobby Ward, Simi 1:29.6
 John Walton, EMAA 1:31.3
 Ronald Smith, Unatt 1:35.3
50 M BUTTERFLY
 Joel Nelson, Unat 35.6
 Rick Robinson, Mission ... 36.3
 Arthur Ford, Cypress 36.8
100 M BUTTERFLY
 Michael Grabowski, Chaff 1:20.4
 Rick Robinson, Mission... 1:20.3
 Michael Spicer, FAS... 1:22.9
200 M INDIVIDUAL MEDLEY
 Bobby Ward, Simi 2:52.0
 John Walton, EMAA 2:53.7
 Michael Grabowski, Chaff 2:56.5

11-12
50 M FREESTYLE
 Jeffery Knop, ATSC 28.7
 Mark Bucko, FAS... 29.8
 Scot Matsuda, Anaheim 29.8
 Jeffery Allison, HBAC 29.6
100 M FREESTYLE
 Jeffery Knop, ATSC 1:03.3
 Richard Wander, Aquarius 1:04.0
 Scot Matsuda, Anaheim... 1:04.2
200 M FREESTYLE
 Richard Wander, Aquar... 2:15.7
 Scot Matsuda, Anaheim... 2:20.5
 Michael Farr, Aquarius... 2:21.5
50 M BACKSTROKE
 Douglas Voigt, AQMB 32.1
 Mark Bucko, FAS... 34.5
 Calvin Lowell, Unat 34.8
100 M BACKSTROKE
 Douglas Voigt, AQMB... 1:12.3
 Randy Huffman, Mission... 1:14.5
 Michael Farr, Aquarius... 1:16.2
50 M FREESTYLE
 Gregory Winchell, LAC... 39.0
 Chris Chase, Conejo 39.4
 James Bergeson, NDMA 39.5
100 M FREESTYLE
 Kent Davis, LAC 1:26.3
 Gregory Winchell, LAC... 1:26.4
 Chris Chase, Conejo 1:26.6
50 M BUTTERFLY
 Mark Gordin, Anaheim... 31.6
 Jeffery Knop, ATSC 31.6
 Jon Shields, SLO 32.5
100 M BUTTERFLY
 Byrne Miller, HBAC 1:12.5
 Kent Davis, LAC 1:13.7
 Earl Welliver, MONT 1:14.7
200 M INDIVIDUAL MEDLEY
 Richard Wander, Aquar... 2:37.3
 Kent Davis, LAC 2:41.9
 Jon Shields, SLO 2:42.2

NEXT MONTH...NOVEMBER
 We will publish as many age group meets as space permits. It will be the last issue with 1973 meets before the December Age Group Best Times issue.

FOOTHILL FAR WESTERN AG CHAMPS
 Los Altos, Calif.
 Aug.16-19,1973 50 M Pool

GIRLS

10 & Under
50 M FREESTYLE
 Dana Davidson, MDSC 31.91
 Kendle Koontz, C NSA 31.98
 Melanie Rile, CVSC 31.99
 Leslie Mendez, CNSA 32.02
 Kathy Outrell, WEST 32.69
100 M FREESTYLE
 Leslie Mendez, CN 1:09.23
 Melanie Rile, CV 1:10.00
 Kendle Koontz, CNSA 1:11.02
 Kathy Outrell, WA 1:11.57
 Leslie Burcham, GST 1:11.63
200 M FREESTYLE
 Leslie Mendez, CNSA ... 2:27.47
 Kendle Koontz, CVSC ... 2:28.51
 Melanie Rile, CVSC ... 2:31.84
 Leslie Burcham, GST ... 2:32.55
 Dana Davidson, MDSC ... 2:32.74
50 M BACKSTROKE
 Leslie Mendez, CNSA 38.56
 Kristin Busch, PH66 38.82
 Melanie Rile, CVSC 39.09
 Leslie Viese, FASC 39.25
 Toni Barrett, Hunt 39.43
100 M BACKSTROKE
 Leslie Mendez, CNSA 1:20.7
 Melanie Rile, COACH 1:23.8
 Kristin Busch, PH66 1:24.4
 Laura Laughlin, COACH 1:25.6
 Anne Tweedy, SBAH 1:26.7
50 M FREESTYLE
 Anne Lambert, Tulsa 41.9
 Lucy Piper, Spar 42.8
 Cindy Tuttle, Un 42.9
 Laura Laughlin, COACH 43.0
 Paula Witner, Saly 43.1
100 M FREESTYLE
 Anne Lambert, THSC 1:29.61
 Lucy Piper, SSC 1:31.87
 Cindy Tuttle, Unat 1:33.56
 Laura Laughlin, CVSC 1:34.02
 Kendle Koontz, CNSA 1:35.10
50 M BUTTERFLY
 Leslie Mendez, CNSA 34.7
 Dana Davidson, MDSC 34.8
 Susan Habernigg, Mult 35.0
 Melanie Rile, CVSC 36.2
 Kristin Busch, PH66 36.5
100 M BUTTERFLY
 Leslie Mendez, CNSA 1:16.11
 Susan Habernigg, Mult 1:19.09
 KendleKoontz, CNSA 1:20.00
 Kristin Busch, PH66 1:21.73
 Melanie Rile, CVAA 1:23.44
200 M INDIVIDUAL MEDLEY
 Leslie Mendez, CNSA 2:50.63
 Melanie Rile, CVSC 2:51.42
 Dana Davidson, MDSC 2:54.15
 Kendle Koontz, CNSA 2:54.16
 Laura Laughlin, CNSC 2:55.21

11-12
50 M FREESTYLE
 Kathy Shipman, Aulea 29.22
 Stacie Lariviere, SCSG 29.44
 Kirsten Pipes, CVAA 30.15
 Sheryl Schwartz, MSRC 30.38
 Nancy Hansen, DA 30.40
100 M FREESTYLE
 Kathy Shipman, ASC 1:02.91
 Stacie Lariviere, SCSG 1:03.12
 Nancy Hansen, DeAnza 1:05.18
 Liz Cunha, AQB 1:05.80
 Mary Beth Calpo, LAC 1:06.21
200 M FREESTYLE
 Kathy Shipman, Aulea 2:14.65
 Nancy Hansen, DA 2:17.06
 Kim Anderson, AH 2:20.56
 Stacie Lariviere, SCSG... 2:21.89
 Noel Moran, LOAC 2:22.24
50 M BACKSTROKE
 Ellen Steele, AST 34.26
 Alison Noble, VicY 34.32
 Kathy Shipman, Aulea 34.72
 Kristen Pipes, CVAA 35.18
 Terri Russell, RNOD 35.61
100 M BACKSTROKE
 Alison Noble, Victoria... 1:14.0
 Hollida Vie, CHAOS 1:16.2
 Kelli Chun, Kam 1:16.2
 Shannon Smith, Vanc 1:16.8
 Noel Moran, LOAC 1:17.0
50 M FREESTYLE
 Wendy Porter, Davis 38.2
 Brigit Kress, McClellan... 38.2
 Noel Moran, LOAC 38.5
 Susan Satmary, PHSC 38.7
 Joanna Mascheroni, SFPR... 39.1
100 M FREESTYLE
 Noel Moran, LOAC 1:22.06
 Candy Burden, LOAC 1:24.81
 Wendy Porter, DAQ 1:25.36
 Susan Satmary, PHSC 1:25.42
 Brigit Kress, MCCL 1:25.95
50 M BUTTERFLY
 Kathy Shipman, Aulea 30.9
 Nancy Hanson, DA 32.7
 Janka Samhel, CPSC 32.9
 Diane Kutsunai, HAW 32.9
 Wendy Porter, DAQ 33.0
 Liz Cunha, AQB 33.0

13-14
50 M FREESTYLE
 Sue Hinderaker, CVSC 29.21
 Kate Denmark, FAC 29.26
 Becky Barrett, SCSG 29.43
 Carrie Noonan, SRN 29.56
 Debbie Mancini, Spar 29.67
100 M FREESTYLE
 Kate Denmark, FAC 1:02.47
 Dana Cruz, DeAnza 1:02.57
 Susan Key, MAC 1:03.40
 Carrie Noonan, SRN 1:03.59
 Sue Hinderaker, CVSC 1:03.69
200 M FREESTYLE
 Nona Cruz, DA 2:15.30
 Sarabeth Cornwell, DA... 2:16.28
 Jan Jensen, AQB 2:16.99
 Sue Hinderaker, CVSC 2:17.33
 Miriam Smith, Aulea 2:18.49
400 M FREESTYLE
 Jan Jensen, AQB 4:44.3
 Nona Cruz, DeAn 4:44.5
 Sarabeth Cornwell, DeAn... 4:47.3
 Sue Hinderaker, Coach 4:49.9
 Miriam Smith, Aulea 4:50.0
100 M BACKSTROKE
 Miriam Smith, Aulea 1:10.9
 Julie Waters, MAC 1:13.9
 Liz McDonald, Hollyburn... 1:14.3
 Cindy Emamels, SCSG 1:14.5
 Lisa Monaco, Hay 1:14.8
200 M BACKSTROKE
 Miriam Smith, Aulea 2:33.08
 Nona Cruz, DA 2:38.10
 Julie Waters, MAC 2:39.88
 Leslie Rhodes, STD 2:41.80
 Becky Barrett, SCSG 2:42.07
100 M FREESTYLE
 Sue Hinderaker, CVSC 1:20.90
 Nancy Adam, AQB 1:22.44
 April Swanson, Pet 1:23.06
 Jo Jo Baxter, FASC 1:23.36
 Pam Williams, AST 1:23.44
200 M FREESTYLE
 Sue Hinderaker, CVSC 2:56.42
 Mary Misch, Unat 2:57.71
 Victoria Balle, DeAnza... 2:58.92
 Jo Jo Baxter, FASC 2:59.07
 Nancy Adam, Aquabears... 2:59.25
100 M BUTTERFLY
 Libbie Beaudet, MDSC 1:09.42
 Carrie Noonan, SRN 1:10.69
 Kate Denmark, FAC 1:10.92
 Kristi Helm, PHSC 1:11.67
 Noreen Doyas, PHSC 1:11.95
200 M BUTTERFLY
 Libbie Beaudet, MDSC 2:32.6
 Nona Cruz, DA 2:38.4
 Jan Jensen, AQB 2:38.6
 Wendy Braden, Pet 2:40.71
 Diane Nemanick, DA 2:41.1
200 M INDIVIDUAL MEDLEY
 Sue Hinderaker, CVSC 2:33.25
 Nona Cruz, DA 2:35.74
 Becky Barrett, SCSG 2:35.97
 Libbie Beaudet, MDSC 2:36.99
 Kristi Helm, PHSC 2:37.38

15-17
50 M FREESTYLE
 Ann Haley, Nova 28.2
 Lelanne Sexton, PHSC 28.8
 Sue Marion, AST 28.9
 Lorrie Provost, FSC 29.0
 Martha Stanton, PHSC 29.32
100 M FREESTYLE
 Lelanne Sexton, PHSC ... 1:02.12
 Lorrie Provost, FSC 1:02.28
 Sherry Aulwes, Walnut Cr 1:02.95
 Ann Haley, Novato AQ 1:03.35
 Lynn Sager, FSC 1:03.39
200 M FREESTYLE
 Lelanne Sexton, PHSC ... 2:14.26
 Lorrie Provost, FSC 2:15.15
 DeeDee McFadden, MDSC... 2:16.95
 Dionne Dealey, PHSC 2:17.08
 Laurie Morgan, PHSC 2:17.15
400 M FREESTYLE
 Nancy Ivy, Aulea 4:42.39
 Sherry Aulwes, WPCR 4:44.56
 DeeDee McFadden, MDSC... 4:45.01
 Dru Demark, FAC 4:48.19
 Laurie Morgan, EHSC 4:48.61
100 M BACKSTROKE
 Michele Fujalet, Aulea... 1:12.57
 Jane Patechik, Novato... 1:14.27
 Lelanne Sexton, PHSC ... 1:14.84
 Sherry Aulwes, WPCR 1:14.62
 Kelcey Ebisu, Aulea 1:14.56
200 M BACKSTROKE
 Michele Fujalet, Aulea... 2:33.9
 Martha Lipinski, LOAC... 2:34.6
 Nancy Ivy, Aulea 2:37.7
 Melanie Hitch, WWAT 2:39.6
 Sherry Aulwes, WPCR 2:39.6

100 M BUTTERFLY
 Kathy Shipman, Aulea ... 1:08.98
 Diane Kutsunai, Haw 1:10.80
 Janka Samhel, CPSC 1:12.36
 Nancy Hansen, DA 1:13.21
 Joan Chesley, DA 1:13.28
200 M INDIVIDUAL MEDLEY
 Kathy Shipman, Aulea... NR2:32.51
 Noel Moran, LOAC 2:37.63
 Liz Cunha, AQB 2:40.39
 Nancy Hansen, DA 2:41.19
 Shannon Smith, VASC 2:42.16

100 M FREESTYLE
 Sue Hinderaker, CVSC 29.21
 Kate Denmark, FAC 29.26
 Becky Barrett, SCSG 29.43
 Carrie Noonan, SRN 29.56
 Debbie Mancini, Spar 29.67
100 M FREESTYLE
 Kate Denmark, FAC 1:02.47
 Dana Cruz, DeAnza 1:02.57
 Susan Key, MAC 1:03.40
 Carrie Noonan, SRN 1:03.59
 Sue Hinderaker, CVSC 1:03.69
200 M FREESTYLE
 Nona Cruz, DA 2:15.30
 Sarabeth Cornwell, DA... 2:16.28
 Jan Jensen, AQB 2:16.99
 Sue Hinderaker, CVSC 2:17.33
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 Jan Jensen, AQB 4:44.3
 Nona Cruz, DeAn 4:44.5
 Sarabeth Cornwell, DeAn... 4:47.3
 Sue Hinderaker, Coach 4:49.9
 Miriam Smith, Aulea 4:50.0

100 M BACKSTROKE
 Miriam Smith, Aulea 1:10.9
 Julie Waters, MAC 1:13.9
 Liz McDonald, Hollyburn... 1:14.3
 Cindy Emamels, SCSG 1:14.5
 Lisa Monaco, Hay 1:14.8
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 Miriam Smith, Aulea 2:33.08
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 Nancy Adam, Aquabears... 2:59.25
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 Noreen Doyas, PHSC 1:11.95
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 Sue Hinderaker, CVSC 2:33.25
 Nona Cruz, DA 2:35.74
 Becky Barrett, SCSG 2:35.97
 Libbie Beaudet, MDSC 2:36.99
 Kristi Helm, PHSC 2:37.38

50 M FREESTYLE
 Ann Haley, Nova 28.2
 Lelanne Sexton, PHSC 28.8
 Sue Marion, AST 28.9
 Lorrie Provost, FSC 29.0
 Martha Stanton, PHSC 29.32
100 M FREESTYLE
 Lelanne Sexton, PHSC ... 1:02.12
 Lorrie Provost, FSC 1:02.28
 Sherry Aulwes, Walnut Cr 1:02.95
 Ann Haley, Novato AQ 1:03.35
 Lynn Sager, FSC 1:03.39
200 M FREESTYLE
 Lelanne Sexton, PHSC ... 2:14.26
 Lorrie Provost, FSC 2:15.15
 DeeDee McFadden, MDSC... 2:16.95
 Dionne Dealey, PHSC 2:17.08
 Laurie Morgan, PHSC 2:17.15
400 M FREESTYLE
 Nancy Ivy, Aulea 4:42.39
 Sherry Aulwes, WPCR 4:44.56
 DeeDee McFadden, MDSC... 4:45.01
 Dru Demark, FAC 4:48.19
 Laurie Morgan, EHSC 4:48.61
100 M BACKSTROKE
 Michele Fujalet, Aulea... 1:12.57
 Jane Patechik, Novato... 1:14.27
 Lelanne Sexton, PHSC ... 1:14.84
 Sherry Aulwes, WPCR 1:14.62
 Kelcey Ebisu, Aulea 1:14.56
200 M BACKSTROKE
 Michele Fujalet, Aulea... 2:33.9
 Martha Lipinski, LOAC... 2:34.6
 Nancy Ivy, Aulea 2:37.7
 Melanie Hitch, WWAT 2:39.6
 Sherry Aulwes, WPCR 2:39.6

100 M FREESTYLE
 Sandy Franzola, MDSC ... 1:22.66
 Lisa Smith, FAC 1:23.75
 Ann Haley, Nova 1:23.94
 Carol Street, Aulea 1:24.48
 Angie Paletti, SLSC 1:24.86
200 M FREESTYLE
 Sandy Franzola, MDSC ... 2:56.67
 Debbie Bengston, CDSC ... 2:58.10
 Ann Haley, Nova 2:59.48
 Lisa Smith, FAC 3:00.47
 Tracy Smith, USCS 3:01.18
100 M BUTTERFLY
 Michele Fujalet, Aulea... 1:07.48
 Diana Daymond, FSC 1:11.04
 Lynn Sager, FSC 1:11.84
 Toni Ferreira, SCSG 1:13.03
 Cyndie Fujino, Aulea ... 1:13.92
200 M BUTTERFLY
 Michele Fujalet, Aulea... 2:27.73
 Kathy Ruffon, FAC 2:33.91
 Diane Daymond, PHSC ... 2:37.68
 Cyndie Fujino, Aulea ... 2:38.25
 Debbie Bengston, CDSC ... 2:39.93
200 M INDIVIDUAL MEDLEY
 Michele Fujalet, Aulea... 2:31.73
 Sherry Aulwes, WPCR ... 2:33.48
 Ann Haley, Nova 2:36.46
 Debbie Bengston, CDSC... 2:37.55
 Sue Marion, AST 2:38.97
400 M INDIVIDUAL MEDLEY
 Michele Fujalet, Aulea... 5:18.76
 Debbie Bengston, CDSC... 5:25.36
 Sherry Aulwes, WPCR ... 5:28.67
 Nancy Ivy, Aulea 5:29.73
 Martha Lipinski, LOAC ... 5:36.32

BOYS
 10 & Under
50 M FREESTYLE
 Kevin Donahue, DA 30.87
 John Engs, RNOD 31.00
 Keith Rowe, Aulea 31.70
 John Berry, Un 31.73
 Frank Dinkel, AQB 31.94
100 M FREESTYLE
 David Daniels, FSC 1:07.5
 John Engs, RD 1:08.0
 Darryl Johnson, AH 1:08.8
 Thomas Cain, AH 1:09.4
 Frank Dinkel, AQB 1:09.61
200 M FREESTYLE
 David Daniels, FSC 2:22.99
 Thomas Cain, AH 2:24.95
 Jim Christian, Gord 2:27.89
 Darryl Johnson, AH 2:27.94
 Ron Breyman, CNSA 2:28.24
50 M BACKSTROKE
 Robby Case, State 36.05
 Dave Bottom, SCSG 36.15
 Mark Taylor, S-WSC 36.69
 Tom Edwards, ADR 37.40
 John Engs, RNOD 37.83
100 M BACKSTROKE
 Todd McMurdo, Redd 1:18.6
 Mark Taylor, Sheeler Win 1:18.7
 Robby Case, State 1:18.9
 Dave Bottom, SCSG 1:20.5
 Bob Patten - 1:20.9
50 M FREESTYLE
 Robbie Mascheroni, SFPR .. 40.3
 Mike Nolasco, HKAI 40.4
 James Mueller, TLST 40.6
 Matt Lane, ESSO 41.3
 Brian Mirch, Un 41.5
100 M FREESTYLE
 Jim Christian, Cordova ... 1:29.98
 Frank Dinkel, AQB 1:30.62
 Brian Mirch, Unat 1:30.39
 Mike Nolasco, HK 1:30.53
 Mark Briggs 1:31.31
50 M BUTTERFLY
 Todd McMurdo, Redd 33.3
 Billy Wedemeyer, SFPR ... 33.6
 Dave Bottom, SCSG 33.7
 Bob Patten, Engl 33.8
 Mark Taylor, SWSC 34.5
100 M BUTTERFLY
 Mark Taylor, S-WSC 1:14.62
 Bob Patten, Engl 1:15.33
 Nick Holt, AQB 1:16.11
 Todd McMurdo, Redd 1:18.98
 Billy Wedemeyer, SFPR ... 1:20.96
200 M INDIVIDUAL MEDLEY
 James Mueller, Totem 2:47.16
 Thomas Cain, AH 2:50.59
 Ron Bregman, CNSA 2:50.79
 Mark Taylor, S-WSC 2:50.82
 Bob Patten, Engl 2:50.97

Matt Bruner, PAC 2:17.38
 Uwe Wessbecher, SCSG ... 2:17.77
50 M BACKSTROKE
 Craig Shortley, AH 30.93
 Steven Libby, Un 33.28
 Kirk Jensen, AQB 33.39
 James Maxmoff, RYDE ... 33.70
 Uwe Wessbecher, SCSG ... 33.81
100 M BACKSTROKE
 Craig Shortley, AH 1:09.7
 James Maxmoff, RYDE ... 1:10.9
 Kirk Jensen, AQB 1:11.1
 Steven Libby, Un 1:12.3
 Ed Ryder, Sheeler Winton 1:13.3
50 M FREESTYLE
 Craig Shortley, AH 35.7
 Pat Hazel, SCSG 37.5
 Bill Jones, CSC 37.8
 Patrick Lawrence, Aulea ... 38.1
 Shannon Scott, EGSC 38.1
100 M FREESTYLE
 Craig Shortley, AH 1:20.51
 Patrick Lawrence, Aulea. 1:21.16
 James Maxmoff, RYDE ... 1:22.62
 Bill Jones, CSC 1:22.64
 Shannon Scott, EGSC 1:23.19
50 M BUTTERFLY
 Craig Shortley, AH 29.1
 Uwe Wessbecher, SCSG ... 30.3
 Steve Lundquist, FFSA ... 31.3
 Ken Khang, ECSC 31.5
 James Maxmoff, RYDE ... 31.4
 Andy Marvatt, DA 31.4
100 M BUTTERFLY
 Craig Shortley, AH 1:05.82
 Uwe Wessbecher, SCSG ... 1:06.62
 James Maxmoff, RYDE ... 1:06.71
 Patrick Lawrence, Aulea. 1:08.77
 Steve Lundquist, FFSA ... 1:08.96
200 M INDIVIDUAL MEDLEY
 James Maxmoff, RYDE NR2:27.33
 Patrick Lawrence, Aulea ... 2:32.72
 Steve Lundquist, FFSA ... 2:33.77
 Ed Ryder, S-WSC 2:34.30
 Uwe Wessbecher, SCSG ... 2:36.58
 13-14
50 M FREESTYLE
 Bob Van Vleet, ECSC 26.06
 Mike Thompson, PHSC 26.48
 Mike Elderkin, AQB 26.64
 Dennis Bedolla, Saly 26.78
 Doug Frazier, FSC 26.91
100 M FREESTYLE
 Doug Frazier, FSC 57.33
 Bob VanVleet, ECSC 57.40
 Mike Thompson, PHSC 57.41
 Richard Thornton, FAC 57.62
 Walt Hardin, Arden Hills... 58.80
 Mike Elderkin, Aquabears... 58.80
200 M FREESTYLE
 Doug Frazier, FSC 2:03.6
 Richard Thornton, FAC ... 2:03.6
 Kirk McGowan, DA 2:07.2
 Scott Hislop, MAC 2:07.4
 Bob Van Vleet, ECSC ... 2:09.6
 Jeff Float, AH 2:09.6
 Brett Favero, AH 2:09.7
 John Rotticci, AQB 2:09.6
 Lassa Frank, SCSG 2:09.7
400 M FREESTYLE
 Richard Thornton, FAC .. 4:19.4
 Walt Hardin, AH 4:20.2
 Doug Frazier, Fremo ... 4:20.5
 Scott Hislop, MAC 4:26.9
 Jeff Float, AH 4:31.5
100 M BACKSTROKE
 Robert Lycette, LOAC 1:05.4
 Walt Hardin, PH 1:06.3
 Jeff McCormick, FAS... 1:07.0
 Eric Ranje, PASC 1:07.4
 Brad Marvatt, DEAN 1:08.2
200 M BACKSTROKE
 Robert Lycette, LOAC ... 2:21.67
 John Tiedeman, LOAC ... 2:23.79
 Brett Favero, AH 2:25.45
 Tim Caspedes, Un 2:26.72
 Jeff McCormick, FAS... 2:27.22
100 M FREESTYLE
 Dave Nelson, Pet 1:14.98
 Mike Thompson, PHSC 1:15.33
 Alan Smallwood, SSC 1:15.96
 Jeff Little, Saly 1:16.80
 Dan Bailey, WVAT 1:17.40
200 M FREESTYLE
 Dave Nelson, FSC 2:39.86
 Mike Thompson, PHSC ... 2:43.63
 Alan Smallwood, SSC 2:43.66
 Jeff Little, STYC 2:48.24
 Dave Salo, FSC 2:48.32
100 M BUTTERFLY
 Richard Thornton, FAC ... 1:02.18
 Mike Thompson, PHSC ... 1:02.63
 John Torricci, AQB 1:02.64
 Jeff Little, Saly 1:02.84
 Shawn Bohner, Un 1:02.77
200 M BUTTERFLY
 Richard Thornton, FAC ... 2:17.19
 Brett Favero, AH 2:20.58
 Shawn Bohner, Un 2:21.37
 Walt Hardin, AH 2:23.72
 Gerhard Kiessling, Saly... 2:25.80
200 M INDIVIDUAL MEDLEY
 Walt Hardin, AH 2:22.93
 Shawn Bohner, Un 2:23.06
 Mike Thompson, PHSC ... 2:24.60
 Chris Hoenig, LAC 2:25.27
 Richard Thornton, FAC ... 2:25.70
 15-17 Age Group to run in November

Butterfly Tips



By GEORGE HAINES

Editor's Note: This is the third of four stroke technique articles written by Santa Clara head coach and 1972 assistant women's Olympic team coach George Haines. The opinions expressed here are purely those of the writer based upon the expressions of other men in the field and the observation of swimmers in the pool for the past 36 years, 21 of these as a coach.

At Santa Clara, we are trying to teach the double leg kick with every arm cycle. This, of course, is the most rhythmical style of butterfly if it can be taught from the beginning. However, if you run into a person who uses a single leg kick with each cycle of the arms (one stroke) and swims fast, I would suggest that you continue to develop this style.

ARM STROKE

THE CATCH

1. The hands should enter the water in front of the shoulders, about shoulder width.
2. The arms should be at almost full extension.
3. The fingertips should enter the water first with the thumbs slightly down with tips of the elbows up and pointing outwards.
4. The elbows should be slightly higher than the fingertips entry in order to facilitate a quick catch of the hands.
5. Drive the hands forward by giving a slight stretch toward the other end of the pool through the elbows. This is done in conjunction with the first leg kick (on entry).
6. Begin the catch by pressing down with the hands from the outside to inside (little finger side being the outside) and by cocking the hand down with a slight bend at the wrist.
7. Keep your elbows up — higher than hand or wrist throughout catch, pull and push (relaxed phase) of stroke.

THE PULL

1. The pull begins after the catch by continuing to pull from the outside toward the mid-line of body, keeping the elbows up throughout.
2. The palms face slightly inward with the elbows outside and above the hand.
3. The pull should be made with the thought of getting the hands or palms under the body, close to the mid-line of the body just prior to the push phase (relaxed portion) of stroke.
4. The hands should not end up together or touching but slightly apart. They should be slightly inside the outside edge of hips.
5. The entire stroke underwater should resemble a figure "S" or the hands should give the outline of Marilyn Monroe.

THE PUSH

1. The push or finish of the underwater stroke should come in conjunction or with the second kick (down-beat).
2. The palms do not push straight back as in freestyle, but with the little finger leading out of the water.
3. The push should be at an angle away from the hips. This will help in the recovery.
4. The second down-beat of the kick should be emphasized to help drive the hands out on the end of the push.

RECOVERY

Most of the top butterfly swimmers of the world use a fairly flat or low recovery with a slight lift of the elbows about half-way through the recovery. This will tend to get the shoulders up and facilitate a fingertip entry with the elbows up.

1. Recovery begins with the hands coming out of the water with the little finger leading.
2. Recover the arms fairly flat to the surface with little finger leading for about one-third of the way through the recovery.
3. Start lifting the elbow slightly and begin the rotation of the arms and hands forward after the first one-third of the recovery. The hands should, at this point, be turned slightly toward the palm — down position with the thumb — down entry.
4. The elbows should be maintaining a higher position than the

hands throughout the recovery.

5. Extend the arms out in front of the shoulders with the tip of elbow up and pointing out slightly.
6. Begin the catch with outside to inside pressure.

LEG KICK

At Santa Clara we try to teach a double dolphin leg action with each arm stroke. The following points should be of help.

1. The first leg kick or down-beat of the legs should be inserted upon the entry of the hands into the water.
2. At the entry of the hands and on the first down kick of the legs, there should be a stretch of the arms at the elbows.
3. The second leg kick or second down-beat of the legs should come at the finish of the pull.
4. The second kick should be the most powerful with great emphasis put upon the down-beat. This will help to accelerate the hands through the finish and help drive the hands out of the water for a clean and speedy recovery of the arms.
5. The leg kick can be developed in many ways:
 - a. Kicking on a board or surface
 - b. Kicking dolphin on the back
 - c. Kicking dolphin underwater
 - d. Kicking dolphin on the side underwater
 - e. Kicking dolphin without board or surface — hands outstretched
6. It is important to remember that some great flyers have been single beat swimmers. If you have a person who swims this style, you should try to develop the style, not a theory.
7. Both the down and up motion of the legs can be utilized if the proper position can be developed.

BREATHING

As in every stroke the breathing pattern becomes very important in the development of rhythm within the butterfly.

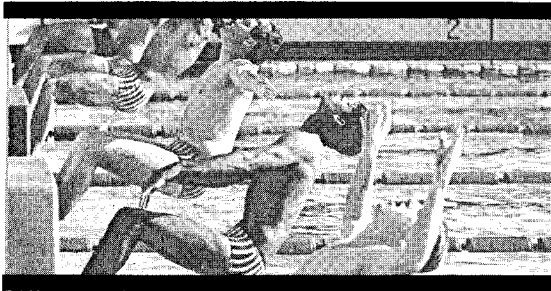
1. The chin should begin to lift forward and up toward the surface at the catch and beginning of the pull. Breathe every two strokes.
2. The chin should not be lifted straight up but out in front or in the direction the body is traveling.
3. If you move the head or chin straight up you will eventually give the swimmer the appearance of climbing, especially at the end of the race when butterfly begins to take its toll on the shoulders.
4. Inhale through the mouth with the chin on the surface.
5. Begin to drop the forehead down at the beginning of the recovery. This will help in the recovery and rotation of the shoulders and arms over the surface of the water.
6. The forehead should be in the water at the completion of the recovery and the beginning of the stretch and catch, streamlining the body on the first down-beat of the kick.
7. Exhalation should be out through the mouth primarily with a little through the nose. This should start just prior to lifting the head or chin up and toward the surface.
8. Some swimmers (flyers) can breathe every stroke. Perfect rhythm is developed by breathing every other, however.

TRAINING

Most top flyers of the world train a great deal of freestyle along with the butterfly, however, there have been many butterfly swimmers who can and do train a great deal of the time in their specialty. It is important in butterfly to work on the following:

1. Conditioning of the upper shoulders with special exercises out of the water.
2. Rhythm — work the rhythm of the stroke — the kick in relation to the stroke. Do 25s and 50s for this purpose. This is important. Count the kicks as you swim.
3. Develop a breathing pattern suitable to the individual and work on it. Practice pattern of holding the breath and a race pattern.

Next month: Backstroke Tips.



OFF THE BLOCKS

Bryan Bateman, former Indiana sprinter, was named Junior Varsity swim coach at the U.S. Naval Academy, succeeding Lee Lawrence, who has been promoted to head coach. Former All-American diver Julian Krug has been added to the staff as head diving coach as well.

Cecil Colwin, one of the world's foremost swimming coaches, lecturers, and authors, has been appointed National Technical Director of the Canadian Amateur Swimming Association. Colwin, from Johannesburg, South Africa, and more recently Melbourne, Australia, has coached swimmers to four world records and four Olympic medals as well as national championships in South Africa, the United States, France and Great Britain.

Ron Tsuchiya, head coach of the Greater Charleston Swim Association and Morris Harvey College of West Virginia, has accepted a position at Virginia Commonwealth University as head men and women's swimming coach.

University of South Florida's swimming coach, Bob Grindey, will be assuming additional responsibilities of assistant athletic director.

Two swimmers who accounted for world records, Olympic and Pan American crowns and U.S. National titles, Michael Burton and Mark Spitz, and two veteran coaches Urho Saari, and Charles Silvia, were elected to the Citiznes Savings Swimming Hall of Fame.

A leading member of the International Olympic Committee said that Moscow is a cinch to land the 1980 Olympic Games. Copenhagen is reported to be preparing a bid also. The IOC will make its decision next year at the annual congress in Vienna.

Nancy Galvich Steele will teach swimming at Kenosha, Wisconsin. She is the daughter of the late Johnny Galvich, who died while coaching at the Riviera Club, Indiana. Kenosha will also be gaining a new facility next summer. This will be a "Z" shaped pool with the long stem of the pool to be 50 meters, a diving well in one arm of the "Z" and shorter races in the shallow wing and end of the Z.

Swimmers training for the world swimming championships in Belgrade were advised to use a lemon to combat chemicals in the pool which turned their hair green. When Australian swimmers complained that their hair turned yellow-green, the chief medical officer said they should use lemon to counter the effects of the chemical, copper sulphate. He explained that the chemical was used to neutralize excessive chlorine in the water.

For the rare adult who has never had back trouble and wants to keep that

record intact, swimming was recommended by all the doctors for keeping fit.

Terry Potts has been elected female athlete of the year by the Kentucky Amateur Athletic Union. Re-elected president of the Kentucky AAU was Jack Thompson of Louisville.

"Remaining active is the key to staying alive." That was the opinion expressed by Theodore G. Klumpp, M.D., PCPFS Consultant. "Stress is necessary to keep bodies in good tone," he said. "For example, one way to stimulate the thyroid gland is through stressful exercise. However, many people won't exercise for fear it will provoke a heart attack."

Richard Tregaskis, a journalist who achieved international fame with his book "Guadalcanal Diary," apparently drowned at a beach port near his home in Honolulu. He was 56. Tregaskis was a classmate of President John F. Kennedy at Harvard in 1938, where both were members of the Harvard swimming team.

Plans were announced for a \$530,000 competitive swim center which, its sponsor says, could make Oklahoma City "one of the swim capitals of the United States." The announcement was made by James Sherburne, president of John A. Brown Co. and director of the Kerr-McGee Swim Club.

W. Scott Koznar has received a full scholarship to the University of South Florida. Koznar was a varsity letterman for four years and captain of the swim team at Simi Valley High School, as well as a member of the Buena Swim Club in Ventura, California. His best time in the 100 yard backstroke is 56.2.

Ten-year-old Joseph Lileilis of Woodland Hills, California has won SPA AAU Junior Olympic medals in two successive years in two different sports. Last year, trackster Joseph took a gold in the high jump and a bronze in the long jump for 9-year-olds. This year Joseph turned to swimming and picked up a first in the 50 meter backstroke and a fourth in the 100 meter back.

Eight-and-under swimmer Dan Powell swept the individual swimming events at the recent South Central Kentucky Swimming and Diving Championships. Taking first in the freestyle, backstroke, breaststroke, butterfly and individual medley, he then showed his versatility by placing second in the one meter dive. Dan is the son of Western Kentucky University Head Swim Coach Bill Powell, whose age group coaching career spans 14 years.

Colorado has inaugurated an inter-scholastic swimming program for high school girls, with the first meet to be held November 3 at Colorado State University. Each girl will be allowed to swim a

maximum of three events out of 12, provided that one of the three is a relay. The girls will come from about 40 participating schools.

Annette Antoine, Charles Meisner, and Marty Nanfeldt were presented the Coaches' Award recently at the Clarksburg, West Virginia Stealey Swim Team's annual picnic. The trophies are presented each year to the swimmers deemed by the coach to be most worthy of special recognition.

Ed Spencer, a former national collegiate swim champion who for the past five years has been swim and water polo coach at Temple City High School in Temple City, California, has been named as the new head coach of swimming and water polo at the California Institute of Technology.

Correction Department: Paul Hove, a member of the U.S. team which competed in the First World Swimming Championships at Belgrade, will be attending Southern Methodist University in the fall, and not Indiana, as was reported in the September issue. Paul is a graduate of St. Xavier High School in Cincinnati, Ohio.

Ward O'Connell has left his assistant swimming coach post at Yale to become head swimming and water polo coach at San Francisco State University. O'Connell was the U.S. Women's head diving coach at the 1967 World University Student Games and coach-manager in the 1971 Pan-American Games.

Bill Miller, McDonald Hinsdale Swim Club, broke the National and American Long Distance record of 1:17:13.6 with a time of 1:17:07.8 at the National Junior Long Distance Team and Individual Championships, held July 18 at Racine, Wisconsin. Fifteen-year-old Miller led his swim club to victory in the championships, followed by Jim Durham, Greg Porter, and Jeff Pontius in second-through-fourth places. Sunday, August 5, Miller again led his team at the National Senior Men's 4 Mile Long Distance Championship held at Huntington, Indiana with a time of 1:17:34.9.

A group of eight champion U.S. swimmers from Southern California spent September 2 to 16 in New Zealand as part of an international sports exchange program. Swimmers participating in the New Zealand tour were Steve Bird, 15, of Palos Verdes, National Junior Olympic champion in breaststroke; his sister, Susie, 13, champion backstroke; Don Grant, 18, of Long Beach, rough water swimming champion; Ron Orr, 17, of El Monte, sixth ranked 1500-meter freestyler in the world; Sandy Neilson, 17, of El Monte, winner of three gold medals in the 1972 Olympics; Billie Yoshino, 15, of Pasadena, finalist in the butterfly Olympic Trials; Charley Pearson, 16, of Riverside, national Junior Olympic Champion; and Gina Ittner, 15, national breaststroke champion. The guests of the New Zealand Amateur Swimming Association and the Waikato Savings Bank in New Zealand, the swimmers spent two weeks conducting "Learn to Swim" clinics for New Zealand youngsters. The visit was climaxed by a meet between U.S. swimmers and members of the New Zealand team training for the 1974 British Commonwealth Games to be held in Christchurch, New Zealand.

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69 ATHLETES SWIM OVERSEAS

LOUISVILLE, Ky. — A record number of AAU swimmers enjoyed post-season competitions and exhibitions as 69 were selected to various teams.

The largest group (24 men and 21 girls) competed in Belgrade as they represented the United States in the World Championships.

Three teams of eight (four men and four women) were selected to tour Central and South America. One group headed by Coach Jim Montrella went to Peru and Chili; a second, headed by Coach Stefan Hanadfi, took in Colombia, Ecuador and Panama; Coach Phill Hansel headed the group to Trinidad, Jamaica and Venezuela.

The full delegation sent to the World Championship in Belgrade was made possible by the \$50,000 grant by Phillips Petroleum Company. The U.S. State Department, who also funded the non-AAU registered swimmers to the People's Republic of China, funded the three teams that went to Central and South America.

In addition to the 69 swimmers who competed overseas after the AAU long course championships, 18 men and 16 women represented the United States in the World Student Games at Moscow in mid-August. The team was sponsored by the United States Collegiate Sports Council.

AAU CHAMPIONSHIPS SCHEDULED

LOUISVILLE, Ky. — Loos Pool, Dallas, Texas, site of the 1972 AAU Short Course Swimming Championships, was again selected as the facility for the 1974 AAU Short Course Swimming and Diving Championship.

George McMillion, coach at Southern Methodist University, announced that diving competition would be April 3-5, and swimming April 10-13. The Hilton Inn will be meet headquarters.

McMillion added that many new improvements had been made in the facility since the 1972 championships and that local AAU officials would be the source for staffing most of the meet officials.

Concord, California, will be the site of the 1974 National AAU Long Course Swimming Championships, August 22-25, with a dual meet to follow on August 31-September 1, between the German Democratic Republic (East Germany) and the United States.

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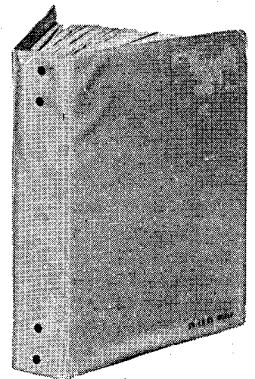
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OCTOBER

- 2 Medford, Mass.; New England Masters Swim Club Mini-Meet for NEAAU members
- 5-7 Odessa, Tex.; Odessa A & B SC
- 6-7 Pasadena, Calif.; Cal Tech Masters
- 6-7 San Jose, Calif.; Piedmont Hills A-AA SC
- 12-13 Lake Worth, Fla.; Lake Worth Ass. "B" AG
- 20 Rochester, N.Y.; Fairport Swim Club "A"
- 20-21 Glendale, Ariz.; Veterans 100 AG & Open
- 20-21 Woodland, Calif.; Woodland A-AA
- 27-28 Hialeah, Fla.; "A" Halloween AG

NOVEMBER

- 2-4 Racine, Wisc.; Racine AC Class "A" AG & Open
- 3-4 Livermore, Cal.; Livermore Aquatic "A-AA" LC
- 3-4 Amarillo, Tex.; Amarillo A & B
- 6 Medford, Mass.; New England Masters Swim Club Mini-Meet for NEAAU members
- 9-11 Dayton, Ohio; "B" Meet
- 9-11 Ft. Wayne, Ind.; Club Olympic Early Bird Open
- 10 Selma, Cal.; Mid-Valley 5th Annual Open
- 10-11 Cal.; Masters North/South Dual Meet
- 10-11 El Cajon, Cal.; "A"
- 10-11 McClellan AFB, Cal.; McClellan "B" SC
- 10-11 Petaluma, Cal.; Petaluma "B" SC
- 10-11 San Lorenzo, Cal.; Hayward "B" SC
- 10-11 Santa Cruz, Cal.; Santa Cruz Aquatic "B" SC
- 10-11 Pacifica, Cal.; Pacifica Sealiions "B" SC
- 16-18 Dallas, Tex.; Dallas Swim Club "A"
- 16-18 Tempe, Ariz.; Marlin ST AG & Open Water Polo Tournament
- 17-18 Alameda, Cal.; Alameda Relays SC
- 22-24 Omaha, Neb.; Westside SC Thanksgiving Swim
- 23-24 Tucson, Ariz.; 3rd Ann. Tucson Conquistadores Thanksgiving Invit.
- 23-24 Lubbock, Tex.; Lubbock A & B
- 23-25 Hightstown, N.J.; 2nd Ann. Fall Swim Festival
- 23-25 Sheeier Winton, Fla.; "A" AG Thanksgiving Invit.
- 23-25 Pittsburgh, Pa.; Greater Pittsburgh Swim Club 8th Ann. Thanksgiving Meet
- 23-25 Toledo, Ohio; Toledo Turkey Invit. AG & Open
- 23-25 Little Rock, Ark.; 5th Ann. Thanksgiving Invit.
- 24-25 Glen Ellyn, Ill.; 3rd Ann. Turkey Invit.
- 24-25 El Paso, Tex.; El Paso A&B
- 24-25 Menlo Park, Cal.; Add Janes B-N SC
- 24-25 San Jose, Cal.; Lynbrook-Tantau "B" SC
- 24-25 Newark, Cal.; Newark "B" SC
- 24-25 Fairfield, Cal.; Falcon Aquatic "B" SC
- 24-25 Modesto, Cal.; City of Modesto "B" SC
- 24-25 Chula Vista, Cal.; SC "A"
- 24-25 Northampton, Mass.; 3rd Ann. Hampshire Regional YMCA AAU

- 24-25 Menlo Park, Cal.; Add Janes B-N SC
- 30-Dec. 1 Dayton, Ohio; "A" Meet
- 30-Dec. 1-2 White Plains, N.Y.; Westchester Swim Classic
- 30-Dec. 2 Wichita Falls, Tex.; Wichita Falls A&B

DECEMBER

- 1-2 San Jose, Cal.; Camden "A-AA" SC
- 1-2 Great Falls, Mont.; Big Sky Winner Invit. AG & Open
- 2 Visalia, Cal.; Sequoia Winter Open
- 2 Medford, Mass.; NEMSC Ann. Winter Meet
- 7-9 Cincinnati, Ohio; 7th Ann. Nat'l Invit. AG & Open
- 7-9 Miami, Fla.; Hollywood Swim Club All Trophy Meet
- 7-9 Fla.; "A" AG & Sr. Trophy Meet
- 7-9 Madison, Wisc.; A & W Floats Champs
- 7-9 Cincinnati, Ohio; 7th Ann. Pepsi Marlins Nat'l Invit. AG & Open
- 8 Iowa City, Iowa; Masters Meet for Men & Women
- 8 Long Beach, Cal.; Long Beach Masters LC
- 8-9 Cupertino, Cal.; DeAnza "B" SC
- 8-9 San Jose, Cal.; West Valley Swim Teams "B" SC
- 8-9 Fremont, Cal.; Washington Township "B" SC
- 8-9 San Francisco, Cal.; San Francisco "B" SC
- 8-9 Rancho Cordova, Cal.; Cordova "B" SC
- 15-16 Coronado, Cal.; SC "A" & Senior
- 15-16 Worcester, Mass.; 6th Ann. Eastern Sprints
- 22-23 St. Petersburg, Fla.; Santa's Sunshine AG & Open Invit.
- 26-29 Denver, Colo.; Holiday Open & AG
- 26-29 Kearns, Utah; 8th Ann. Kearns "Holiday Open"
- 28-29 Houston, Tex.; U of Houston "A" & NCAA
- 28-30 Beloit, Wis.; "AA" Winter Classic
- 29 North Canton, Ohio; North Canton YMCA Girls Ann. Invit. Christmas Relays
- 29-30 Amarillo, Tex.; Amarillo "A" & "B"
- 29-30 El Paso, Tex.; El Paso "A" & "B"

DIVING

- OCTOBER**
- 20 Chula Vista, Cal.; Masters Open Diving Invit.
- NOVEMBER**
- 16-18 Omaha, Nebr.; AG Diving 1-3 Meters

WATER POLO

- NOVEMBER**
- 7-9 Cincinnati, Ohio; Nat'l Water Polo Champs
- DECEMBER**
- 7-9 Cleveland, Ohio; Senior Indoor Water Polo

CLINICS

- OCTOBER**
- 5-6 University Park, Pa.; Penn State Workshop
- 26-27 Tucaloosa, Ala.; 12th Ann. S.E. Aquatics Clinic

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30-34L	8.25	10.25	11.75	11.75
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VOX POP

IS FINA LOSING SIGHT OF ITS OWN OBJECTIVES?

Editor's Note: The following is a guest editorial written by Bob Ousley, executive director of the American Swimming Coaches Association.

Certain actions taken by the FINA bureau in Belgrade would seem to indicate a definite trend away from the stated purposes of this world swimming body.

In its Constitution under "Objects," Article 3, is the following:

"The objects of the FINA shall be:

- a) *To promote and encourage the development of Amateur swimming, diving, water polo, synchronized swimming and natatorial pursuits throughout the world.*
- b) *To ensure uniformity of rules in respect of the Amateur definition and for the control and regulation of swimming, diving, water polo, and synchronized swimming throughout the world.*
- c) *To recognize mutually all suspensions of or by any Member.*
- d) *To devise and adopt rules for the control of competitions in swimming, diving, water polo, synchronized swimming and other natatorial pursuits.*
- e) *To frame Rules for the establishment and recognition of World Records for swimming.*
- f) *To ensure that all contests between Members of the FINA, including Olympic Games, World Championships, Continental Championships, Regional Championships and all other International Competitions shall be under the laws and rules for competition of the FINA.*
- g) *To adjudicate on all matters of dispute submitted by any Member whether of an International or National nature.*
- h) *To supervise and control all the technical arrangements for swimming, diving, water polo, and synchronized swimming competitions at the Olympic Games, World Championships, Continental Championships, Regional Championships and all other International Championships that shall be held between Members of FINA.*
- i) *To ensure that a country organizing official, multi-national competitions or meetings shall obtain a guarantee from its Government to issue the necessary visa to all visiting competitors and officials without any discrimination on the grounds of race, religion, or political affiliations. Should the country be unable to*

obtain such guarantee from its Government, the FINA Bureau shall authorize another country to organize such competitions or meetings.

To aid and maintain contact with sport groups and other bodies whose aims and purposes are of benefit to our sport."

By its action of expelling the Union of South Africa and Rhodesia on the grounds of racial discrimination, the FINA has not only denied its own stated objectives but has allowed itself to become an instrument of political power.

The door is now wide open for any country to be subjected to possible expulsion from FINA on any grounds — grounds that may have nothing to do with swimming itself.

It would seem that no matter how reprehensible the apartheid policies of South Africa may be, it is not in the province of FINA to interfere in the internal policies of this or any other nation. FINA should stick to the business of administering international swimming.

In re-affirming its "interpretation" of Rule 53, as concerned with the "China" matter, FINA in effect has assumed the right to expel any country from FINA who does not respond to FINA directives. Any U.S. coach or any individual who accepts an invitation to visit Mainland China (and now South Africa or Rhodesia) will be liable to removal from all AAU or Olympic Committees at the insistence of FINA, under the threat of expulsion if they do not comply.

Adding to the inconsistencies is the episode of Taiwan being denied visas to attend the World Championships in Belgrade. This is an obvious violation of section (i) of the above objectives. To our knowledge no FINA action was taken against the swimming member from Yugoslavia. In fact the 1975 World University Games have been awarded to Belgrade.

FINA should re-align its sights and follow its objectives or face the fact that more and more of its actions will be questioned — **AS THEY SHOULD BE.**

ROBERT M. OUSLEY
Executive Director, ASCA

REVISE RESIDENCY RULES AT AAU CONVENTION

Dear Sirs:

The forthcoming AAU convention should consider, as a primary task, revision of the antiquated rules in the code which have resulted in the infringement of constitutional rights and obvious discrimination against many young athletes.

The existence of these rules was brought abruptly to my attention this summer when my firm transferred me from Florida to Minnesota. As a result of this move, my two children, both age group swimmers, were not only denied the right to swim on relay teams but were not allowed to participate in the Minnesota Association Championships.

The rule with which I am concerned is Part IV, Article 52, Section 452.2 (a) (4) of the AAU Code. The rule requires athletes transferred from one Association to another to be in an unattached status for four months and consequently, prevents them from swimming on relays and

participating in association championships during this time.

I feel the undesirable aspects of this rule far outweigh those concerns which must have caused it to be written and I have hereafter listed the areas in which I feel it conflicts with the objectives of the AAU as stated on page 2 of the 1973 Handbook:

- 1) *This rule tends to cause disruption of family ties since athletes are penalized for a change of residence caused by the economic necessity of the parents.*
- 2) *The rule is unfair since athletes are severely punished (by inability to participate in relays and Association championships) who have not been guilty of any wrong doing.*
- 3) *The rule is inconsistent in that the penalty is non-existent if the transfer is made during that portion of the year in which no meets or championships are held.*
- 4) *The rule is clearly an example of discrimination since members of the Armed Forces and their dependents, as well as college students are exempted.*
- 5) *The rule very likely falls within the types of illegal discrimination cited by the courts in recent class action decisions.*
- 6) *Unreasonable length of residency requirements have been declared unlawful in many recent court decisions.*
- 7) *The rule is definitely outdated, for although it may have been reasonable at one time, the more mobile life style of the present day should be recognized as pertaining to the general public and not only to the Armed Forces.*
- 8) *The rule is inequitable in that it causes athletes who have no choice in the matter, to be penalized.*
- 9) *The rule is inappropriate in that it does not have a clear purpose.*

The last point above is probably most disconcerting, because in discussing the situation with many AAU officials, not one offered a reason for the rules existence or attempted to justify it. Ease of administration is certainly not an indication of a good or meaningful rule and the comment "we have always done it that way" is a poor excuse.

For the reasons above, I feel the residency requirement for becoming attached after transfer between Associations should be eliminated completely. If the purpose intended can be determined, I am sure a more equitable rule can be written.

DARREL K. VAUGHN
Golden Valley, Minnesota

IS MASTERS SUFFICIENT FOR RECREATIONAL SWIMMER?

Dear Sir:

I have been following the reactions to Nick Thierry's editorial about the Master's swimming program (Swimming World, July 1973) with great interest. All of your correspondents raise valid points. So far as opinion is concerned, they may be divided into two groups: 1) those who

***Send letters, commentaries, questions to Swimming World Publications, Vox Pop, 5507 Laurel Canyon Blvd., North Hollywood, California 91607.**

defend the program's present emphasis on organized age-group competition; and 2) those who suggest that the competitive aspects of Master's swimming be given less emphasis. Competition, awards, quantitative measurement of performances and planned conditioning sessions are justifiably attractive to some. For others, Master's swimming is appealing for reasons like camaraderie and fitness without the pressures of competition.

Some members of the later group actually enjoy "swimming easy laps a few hours per week 'for their health'." For them, competition in the business and professional worlds is enough, and recreational swimming (in contrast to competitive swimming) is a welcome escape from the anxieties of competition. Does the Master's swimming program give such individuals sufficient consideration?

LOREN B. CHAN
Cupertino, California

AGE GROUP DEFICIENCIES

Dear Sir:

The narrow victory of the American team at Belgrade recently will cause many people to take seriously an often-stated criticism of the age-group swimming program. This criticism is that the program is largely limited to the upper-middle class white suburban population, where parents have the time and money to support their children's swimming. Practically none of the American champions are drawn from the inner cities or outlying countryside, in contrast to the situation in basketball. Since the best swimmers are recruited from only a small part of the 200 million people in the country, it is no wonder that

eastern European socialist countries have moved rapidly into contention. The reason why we have never seen a great black woman swimmer is clearly due to socioeconomic factors. Nobody could seriously argue that minorities have any anatomical quirks more than skin deep which prevent them from swimming fast.

This problem could perhaps be attacked as follows. First, swimming should be an approved major sport in the schools, including those which have no pools. In the latter case, arrangements can be made with the local "Y" or other private pool. A top swimmer can go to college free; it is a form of discrimination not to permit all kids an equal shot at a swimming scholarship. Secondly, pool construction should be encouraged at public schools by the local citizenry. Pools contribute to community life and may balance out their cost by obviating the need for juvenile detention centers. Third, the AAU should initiate a special committee to study the problem of how to expand the accessibility of swimming to American youth.

The U.S. domination of swimming in the past has overshadowed the deficiencies in the age group program, but the time for complacency is clearly past.

RAYMOND CHEN, MD
AAU Masters Swimmer

LIST AGE GROUP TIMES

Dear Sir:

Recently you had as a column in your "From the Top" a write-in opinion poll. I'm sorry I did not write in at the time, but I felt you would not be able to help me.

In part of your magazine you have a place with the Current Best Times. This shows the best times of the high schools, prep schools and colleges. This is all fine and well, but I feel you should include

with this the best times of the AAU Age Group program. I feel this would spark more interest in this portion of the magazine and would become the first place swimmers would turn. It will give a little better idea of where they stand in AAU swimming, more so than the high school times.

DAVE SALO
Rohnert Park, California

FROM THE TOP

(Cont'd. from page 3)

membership in the FINA open only to a select few who meet a rigid "elite" class distinction.

If the United States through their affiliate, the AAU, elects a coach or professional to represent them in the FINA, no restriction or rule of the FINA should prevent his admittance to the world body as a national representative.

We question the competency of many FINA representatives whose only contact with the sport is at an annual or quadrennial meeting of the FINA and who probably never officiate except at an Olympics or at most, once a year in an international competition.

We cannot allow ourselves to foster or preserve practices which undermine respect for the capacity of the system to treat people — all the people in the sport — fairly under the codes or rules of the FINA, the Amateur Athletic Union or other national swimming federations.

Journalists have a prime responsibility to the public, just as the FINA (AAU and other federations) do. This responsibility can lead them into controversial situations. But the prosecutorial power of the FINA (AAU, et al) should never be used by indirection or innuendo — in a way that could weaken the exercise of the freedom of the rights of those in the sport.

It is imperative — not only morally requisite but practically requisite — that the commitment of fairness across-the-board be matched by consistent performance.

In these days, with communication between the aquatic nations so simplified, it is easy to understand why the FINA (and AAU, et al) resent all this, for they have condemned even before those involved can state their own cases. (We have taken the liberty of coupling the FINA and the AAU because of the close relationship.)

We again ask the FINA to conduct, promote and control competitions of aquatics as they were organized to do 65 years ago. Leave the politics of the world to the arenas where they belong. A.S.

Editor's Note: Another instance of politics in the FINA occurred prior to the World Championships. For months preceding the Championships, it was widely circulated that the Republic of China (Taiwan) would not be granted visas by host Yugoslavia to participate in the First World Championships. The awarding of the World Championship requires that all FINA affiliated members be granted entrance visas for their athletes, trainers, officials, etc.

The barring of Taiwan evoked no penalty, sanction or reprimand by the FINA, a reflection of the self serving posture of that organization.

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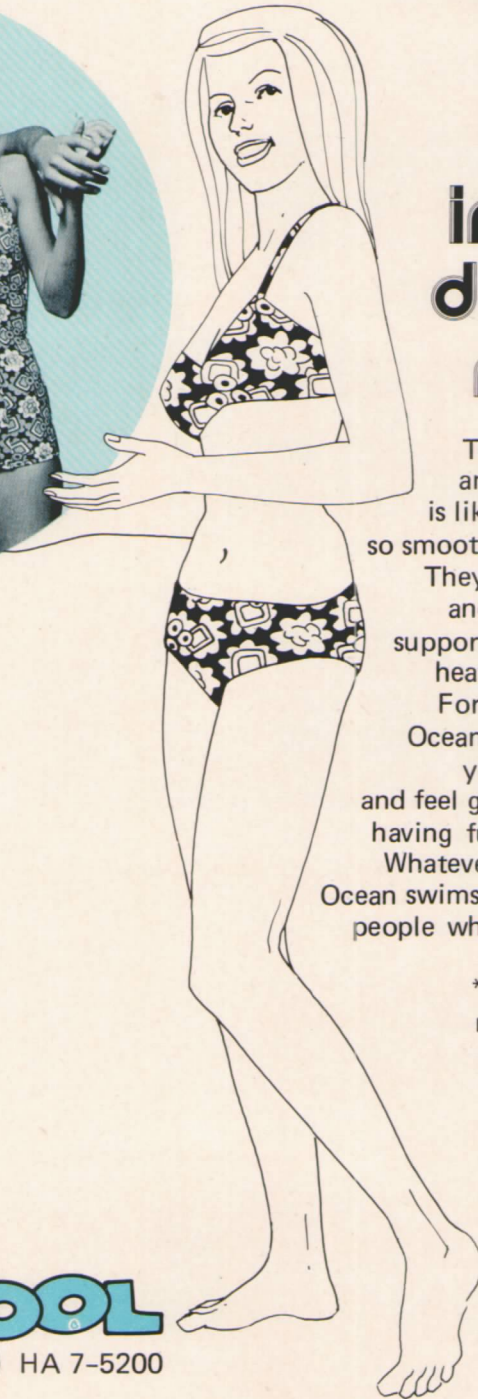
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