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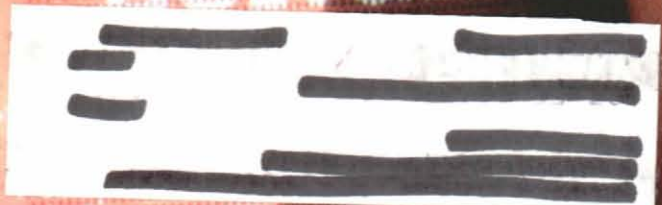
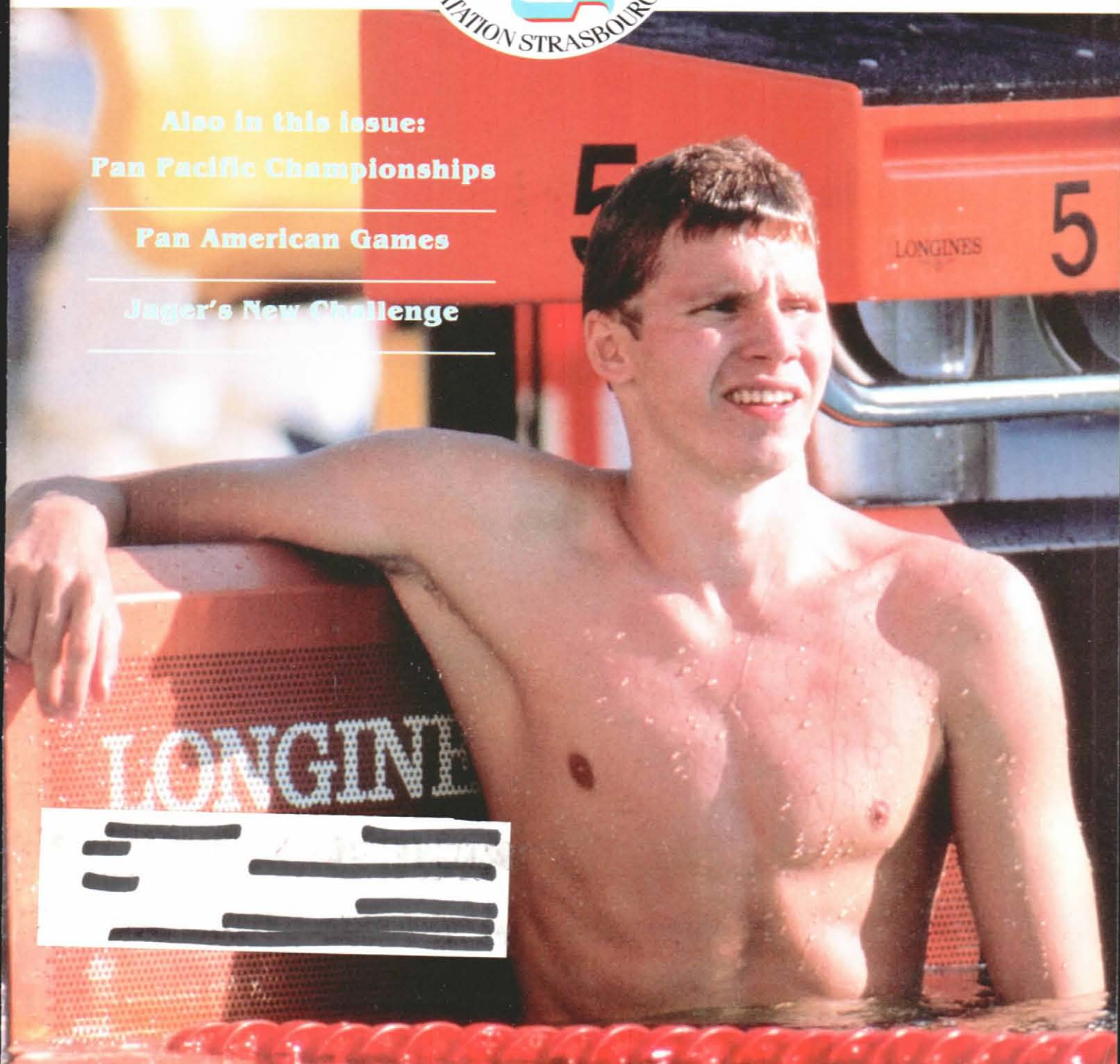
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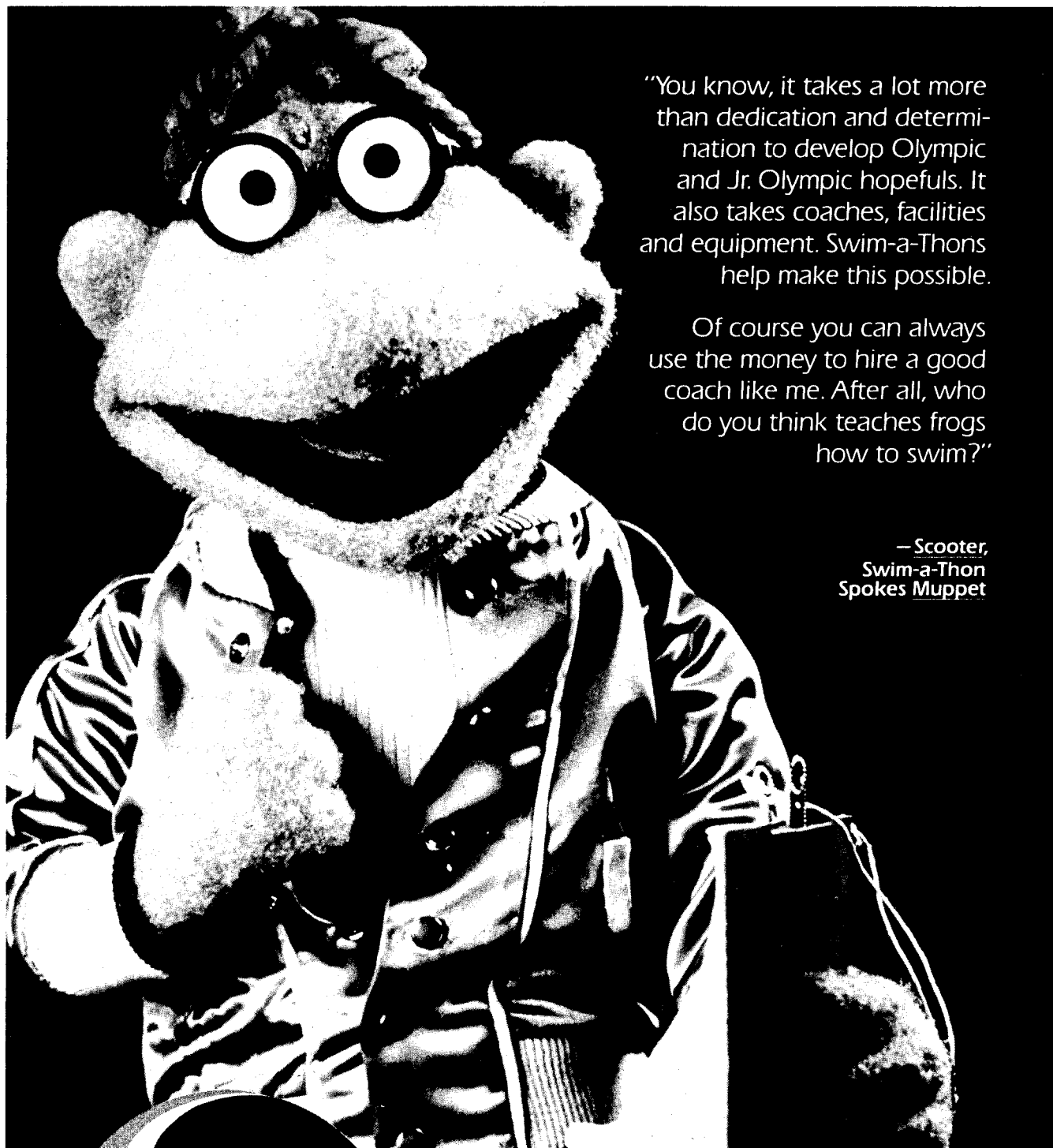
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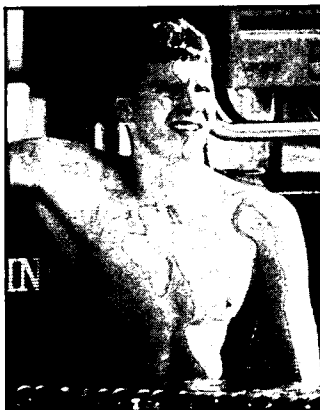
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COVER

Five years ago Tamas Darnyi was blinded by a flying snowball. Only a series of seven operations in West Germany saved the Hungarian swimmer's eyesight. Yet, he came back to win both individual medleys at last year's World Championships. And this August at the European Championships, the 20-year-old from Budapest smashed the 200 IM world record by 86-hundredths of a second and the 400 IM by 70-hundredths. (Photo by Michael King/All-Sport)

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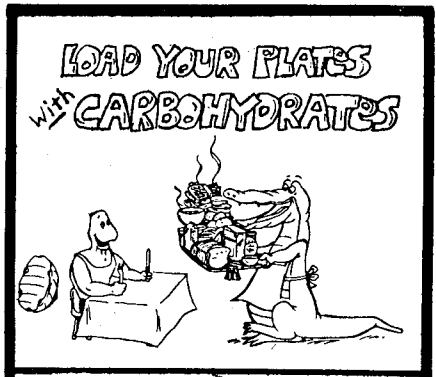


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Written by Brent Rutemiller
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Athletes who train and compete should be aware of the foods they eat!

Starchy type foods, such as: pancakes, spaghetti, rice, oats, rye bread, sweet potatoes, etc., are good because they contain mostly carbohydrates.

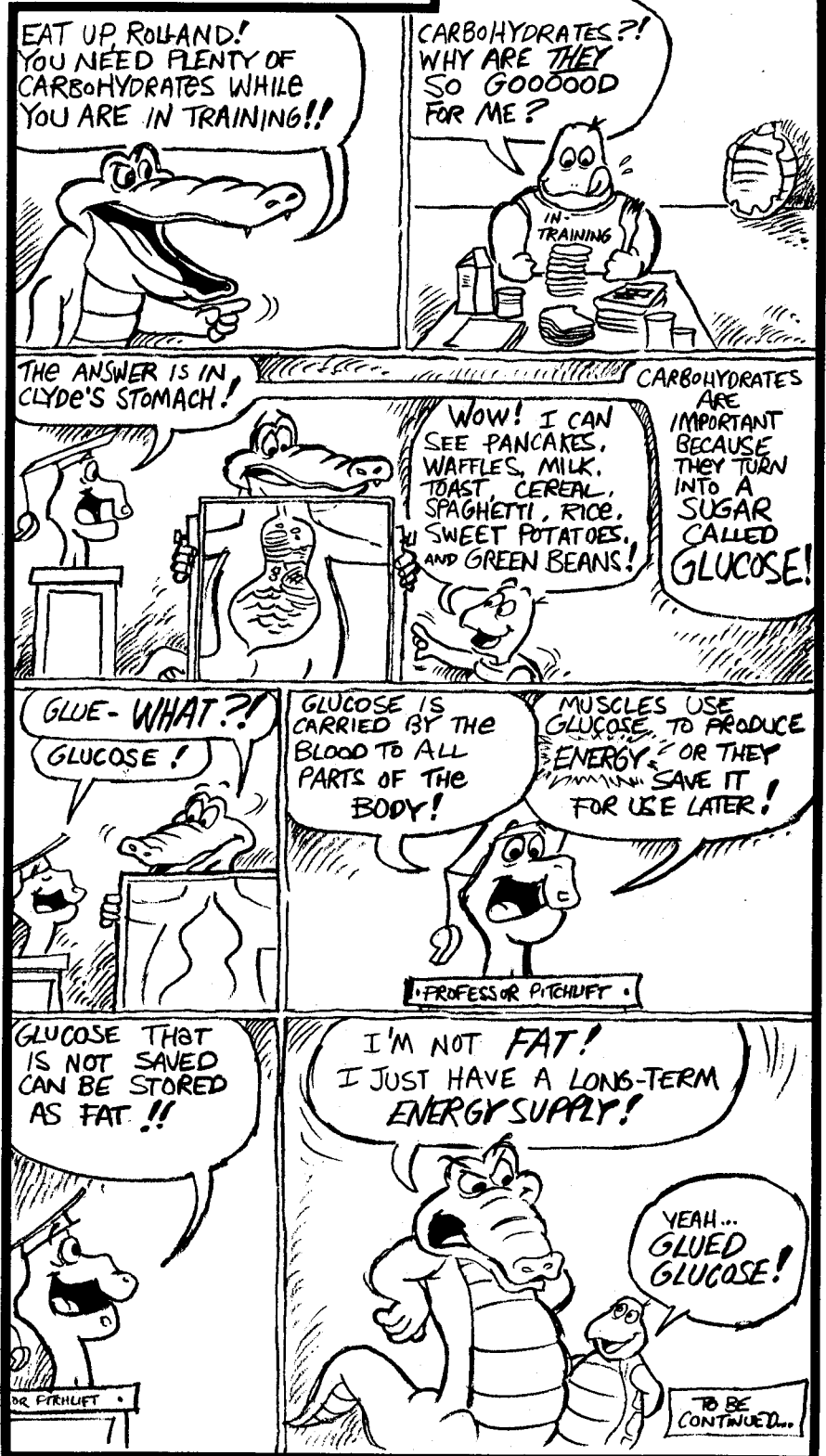
Carbohydrates are digested very quickly and are able to enter into the blood as a sugar called glucose.

Once glucose gets into the blood, it is used to produce ENERGY. Muscles can use it immediately or save it for the next workout. Glucose that is not used or saved is stored in the body as fat. This fat becomes a long-term energy supply that is used when there is a shortage of glucose.

Athletes who need to restore their energy supply quickly should consider eating more carbohydrate type foods at mealtimes, in addition to the other foods recommended by their coaches.

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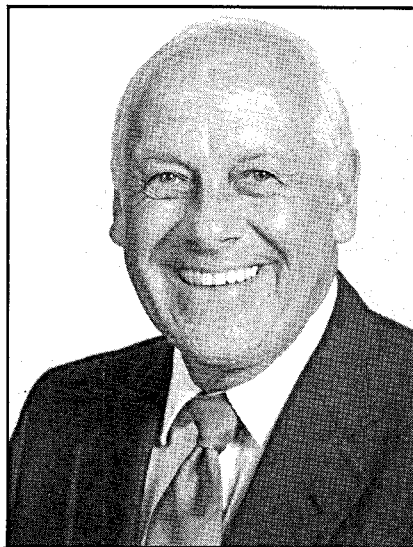
You Out In Front.

More Alike Than Different

While sitting on an airplane flying over a foreign nation on a foreign airline, the thought struck me how much alike all airlines are. Except for the use of a foreign language for announcements and various notices, the routine is universal.

The airplanes mostly look alike. The stewardesses serve food, smile a lot and are generally helpful. In any language, you fasten your seat belt, seats recline, you have lights, music, pillows—almost all of it is the same.

And of course, we are spoiled in that on most foreign carriers, all the notices and announcements are in two languages, English and whatever else. I've seen "fasten your seat belts" in German, Russian, Japanese, Chinese, Spanish, Portuguese, Afrikaans, Dutch, Italian and probably a few others that I cannot recall at



Phill Hansel

About the Author

Phill Hansel, swimming coach at the University of Houston, began coaching in 1950 at the Multnomah Aquatic Club in Portland, Ore. He has served on numerous U.S. national teams and was the founder and first president of the American Swimming Coaches Association.

this time.

In so many ways, people of the world are getting more and more alike. Travel, communication, music and sport bring us more and more together. We are very much alike. Our needs are alike, our feelings are

alike. We all need support and comfort. We all want love. We all want to be successful. We all want happiness.

I feel grateful that in my life I have coached and worked with swimmers, parents, coaches and officials from all over the world. Through the sport of swimming, I have also learned how much alike we all are as people. We all laugh and cry. We all win and lose. We all dream and fail. We all have positive and negative moments. Through the sport of swimming, we all share a common bond—we are kindred spirits regardless of race, creed, nationality, conviction or age.

Of course, the swimming rules and regulations are introduced and enforced by each nation and eventually FINA has a lot to do with this process of sameness. We have rules that determine the events, the distance, the length of pools and rules that describe the strokes. We keep records for the various events.

We have standardized swimming all around the world. One can relate to a performance any place in the world by simply knowing the particulars such as distance, stroke, time, length of pool and class of competition. All of this dictates sameness and makes all of the swimming family very much alike.

But there is much more than the rules that cause us to be alike. Swimming is not for everyone. Not everyone accepts the challenge, the work and effort that goes into the sport. The hours and hours that swimmers, coaches, parents and officials spend just to go "one tick of the watch" faster is almost a solitary mission.

Swimming is a unique experience that is only for highly dedicated, motivated individuals. To remain in the sport, one must be an achiever and have tenacity and determination far beyond the average. Our swimming fraternity is made up of strong caring individuals. We are very much alike on all levels all over the world. ►

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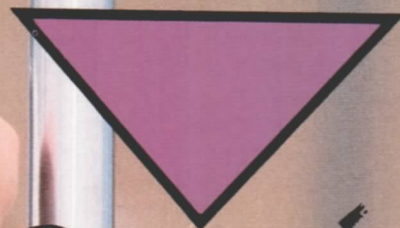
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Perspective

Swimming parents in one country are just like parents in another. These parents make sacrifices of their time, money and personal life. By in large, they love and support their children's swimming interest, or it could not flourish. Without the car pooling, financial support and personal involvement of the parents, most competitive swimmers would never have made the grade in any country of the world.

We tend to think it's only in our country that kids swim at crazy early morning hours and rush-hour traffic in the evening. Not so—swimming is the same everywhere, even for parents. Without the love and support of swimming parents all over the world, there would not be a world championship.

Officials all over the world are involved for the same reasons. They love the sport, they are or were a parent of a swimmer or were an ex-swimmer themselves. In any case, the interest is strong enough to cause

them to volunteer countless hours, pay their own expenses and do a thankless honest job of whatever their assignment or task.

One can see the same kinds of people on the deck at swimming meets all over the world. If there is a pompous, power type in one country, you'll find the counterpart in

Swimmers share so many similar experiences that, aside from warm-ups, T-shirts and language, you cannot tell them apart.

another country. By in large, officials all over the world will be dressed in white and all read the same rule book. All will perform in a friendly, efficient, honest manner. Without this supervision, we can not be sure of uniformity of perfor-

mance and records all over the world.

Officials all over the world are very much alike.

The history and knowledge of swimming is so commonly shared by coaches of the world that there is very little difference in world-wide coaching.

To be sure, each country has regulations or organizational differences that govern the coaches. One nation may do a bit more scientific research than another.

But, by in large, the on-deck coaching is so much alike that coaches all over the world are almost interchangeable. The only real variables might be yardage and intensity. The bottom line is that coaches are still working with people and not machines.

In this context, the coaches' personality enters into coaching as an art form, and this, then, is where coaches of the world become so much alike.

In praising, cajoling, supporting, expecting and demanding, coaches all over the world are so very much alike.

The kids who swim share so many experiences that are similar that, aside from warm-ups, T-shirts and language, you cannot tell them apart.

They are fun-loving, clean-living, healthy, outgoing, hard-working, dedicated, goal-setting and intelligent.

If that sounds like the kind of young person you want to be or with whom you want to be associated, then believe me, you can find these great individuals on swimming teams all over the world.

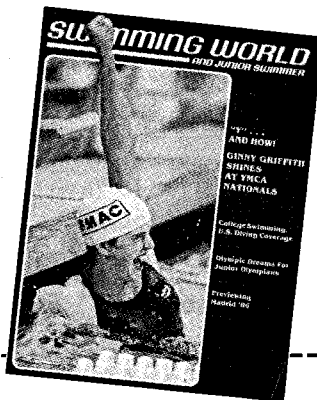
It is amazing, how much alike they all are.

I do not know if they had these personality traits before they became swimmers or if swimming provided them.

All I know is that these excellent young people gravitate to our sport all over the world. They are all alike. And they are what it's all about. Our sport lives because of these fantastic young people. Because they are alike, we are the same. We are more alike than different. □

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Britain To Ask For Open Competition

During the week of August 18, the *London Times* reported that Great Britain plans to ask FINA, the international governing body of swimming, to drop the word "amateur" from any law related to the sport. The British Federation remains unconvinced that the present laws permit payments to swimmers, "as is becoming widespread in major competitions around the world," the *Times* said. The Federation holds that the only satisfactory solution is for swimming to become open.

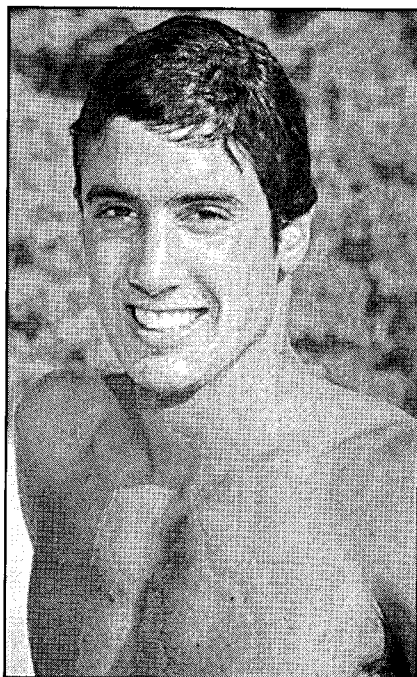
The request, which will be submitted for debate at the FINA Congress at the 1988 Olympic Games, surfaced "amid reports of international swimmers receiving thousands of pounds to race," according to the *Times*.

Former secretary of the Amateur Swimming Association and British Federation, Norman Sarsfield, who is now secretary of the European League (LEN), a body which is responsible for promoting competitions rather than making the sport's laws, says, "I can see nothing to stop swimming going open. Too many people are not happy with the present confusion.

"If professional tennis players are going to be allowed into the Olympic movement, then of course swimmers are going to ask why they, too, cannot have the privilege of making money," said Sarsfield.

Eleven-time NCAA champion and '84 Olympian Pablo Morales is the 1987 winner of the J.E. Wallace Sterling Award, an accolade which was established in 1978 to recognize a graduating senior from Stanford University.

The award's purpose is to pay tribute to an individual student who has demonstrated strong potential for continuing service to Stanford and the Alumni Association following graduation, based on the student's record of volunteer involvement in programs and services which have benefited the university and the community.



Pablo Morales

Great Britain's Adrian Moorhouse, currently ranked No. 1 in the world in the 100 meter breast (1:02.13), was awarded *The Times/Minet* Supreme Award in recognition of his performance for the past year. The award is worth 5,000 pounds and is intended to help Moorhouse benefit from the best preparation for Seoul.

In order to help Australian athletes cope with the pressure of the Olympics, they will receive psychological help before and after the Games. Mike Wenden, Olympic gold medalist at the 1968 Games in the 100 and 200 meter freestyles, has drawn up a comprehensive plan to help athletes deal with success in Seoul next year. The athletes reportedly will be guided into the hands of reputable management firms, given training in public speaking and put in touch with former athletes who have experienced similar pressure.

The second issue of 1988 Olympic commemorative coins was unveiled

in late August in Atlanta, Ga. The four issues will contain completely original designs. In addition to commemorating individual Olympic events, the Seoul Olympic Organizing Committee has chosen to honor Korean cultural and folklore themes on several of the coins in order to express the personality of the Asian nation. For further information on the coins and their availability, contact: Marie Caliendo, vice president, Manfra, Tordella & Brookes, Inc., 30 Rockefeller Plaza, New York, NY 10017, or phone (212) 621-9500 or (800) 223-5818.

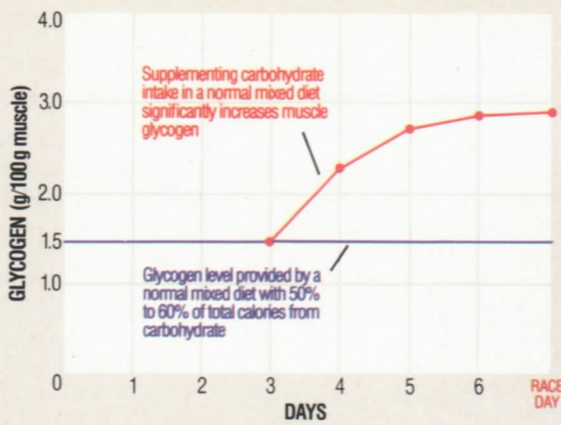
Former Texas swimming coach, Hank Chapman, has rallied back from a near-fatal episode of brain stem stroke, resulting in cardiac arrest. Chapman, who coached Texas swimming and diving teams from 1951-'70, suffered cardiac arrest at home on July 24 but was resuscitated by paramedics and rushed to the hospital. After three weeks in intensive care, Chapman was moved to a room in the cardiac wing at Seton Medical Center. Chapman's wife, Jane, reportedly said that the doctors are describing her husband's comeback as "a medical miracle."

Joseph R. Rogers, Jr., 80, who coached the University of Massachusetts-Amherst swim team for nearly 40 years, died recently. Rogers was a former member and president of the College Swimming Coaches of America and also served for many years as a swimming instructor and examiner for the American Red Cross. Memorial gifts may be made to the Joseph R. Rogers, Jr., endowment fund, in care of Russell Yarworth, swim coach, 221 Boyden, University of Massachusetts-Amherst, MA 01003.

Ken Kraft, acting director of athletics and recreation at Northwestern University (Evanston, Ill.), announced in late August the hiring of Kathie Wickstrand-McIntosh as women's swim coach. She replaced ▶

Energy is what competitive swimmers need, and carbohydrate is what supplies it. This season, let EXCEED® High-Carbohydrate Source help keep you fueled for training and competition. EXCEED supplements your daily carbohydrate intake to help increase and maintain muscle glycogen—an essential fuel for competitive swimmers.

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Endurance athletes can substantially increase muscle glycogen levels by supplementing carbohydrate intake. Note, however, that supplementation should commence 3 or 4 days prior to competition. (Adapted from Saltin B, Hermansen L: Glycogen stores and prolonged severe exercise, in Uppala GB (ed) *Nutrition and Physical Activity*, Almqvist & Wiksell, 1967.)

Nutrition for training

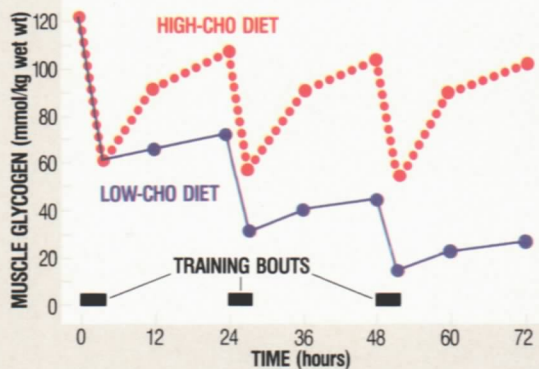
EXCEED takes the guesswork out of carbohydrate supplementation . . . lets you design a nutrition program around precise, measured quantities of carbohydrate (½ to 1 qt daily in preparation for competition).

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- Polymers for easy digestion and conversion to glycogen
- One quart contains 100% of the US RDA for important B-complex vitamins to help ensure efficient carbohydrate metabolism

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One or two 8-oz servings immediately following competition help stimulate glycogen resynthesis, shortening recovery time and allowing you to resume normal training with more available energy.



Muscle glycogen content is shown during 3 successive days of heavy training with diets whose caloric compositions were 40% carbohydrate (low CHO) and 70% carbohydrate (high CHO). Clearly, the high-carbohydrate diet is superior for replenishing muscle glycogen levels depleted by intense physical activity. (From Costill DL, Miller JM: Nutrition for endurance sport: Carbohydrate and fluid balance. *Int J Sports Med* 1:2, 1980.)



This season, make carbohydrate the "premium fuel" at your training table. For the name of your nearest EXCEED dealer, call toll-free 1-800-543-0281 (in Ohio call 513-242-3400).

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B337

Pat Barry, who continues as the men's coach for the 1987-'88 season and will also serve as Northwestern's aquatics director. Wickstrand-McIntosh directed the women's program the past two years at Purdue University.

Gregory Lockard, men's and women's swimming and diving coach at Montclair State University (N.J.) for the past eight years, has been appointed the new athletics director for the university. He succeeds acting director, Oliver Gelston, who returns to his post as head men's basketball coach.

Frank Dempsey of Boca Raton, Fla., was inducted into the Ohio State University Intercollegiate Hall of Fame in late September. A 1943 graduate from Ohio State, Dempsey won four NCAA diving crowns (one- and three-meter) in 1942 and '43. He was also the national AAU diving champion on springboard in '43 and held All-America status for three straight seasons. He has also been a member of the International Swimming Hall of Fame since 1968 and currently is ISHOF vice president.

William A. Prew was named president-elect of the International Swimming Hall of Fame on Aug. 7 by the ISHOF Board of Directors and fills the vacancy left by John Bogert's resignation. A resident of Delray Beach, Fla., and Birmingham, Mich., Prew is a retired captain, U.S. Army Air Force, and at one time held the world record in the 100 yard freestyle with Johnny Weissmuller and Patrick Fick. He swam for Wayne University (1938-'42) and was an NCAA champion. Prew has served as the hall of fame vice president since 1972.

The Phillips Splash Club of Bartlesville, Okla., which has been continuously sponsored by the Phillips Petroleum Company since Dec. 6, 1950, is seeking information of any club which has been continuously sponsored for a longer period of time. If you have information of this nature, contact Robert L. Pease, head coach, Phillips Splash Club,

B-66 Adams Building, Bartlesville, OK 74004.

TYR Sport Inc. has announced the appointment of David A. Rosen to the newly created position of vice president of marketing. Rosen joined TYR following an 11-year association with Arena USA in which he

protection factor of 18 is currently available in two-ounce bottles. The product was formulated with the special needs of children in mind—the lotion is absorbed easily, does not seep into the eyes and remains on the skin throughout play, even in water. For further information on the product line, call (213) 454-0401.

In Swimming World's mythical high school championships, South Kitsap, Wash., moves up to ninth overall (fourth among high schools). Fort Collins, Colo., becomes the 10th-ranked high school (16th overall).

performed in a multi-faceted capacity, including his most recent post as vice president of sales and marketing.

Arena president, Louis Gale, appointed Tony Corbisiero in mid-July as the company's new promotion director and team dealer account executive.

Brad Glenn, seven-year director of marketing for The Finals and most recently, director of team sales and promotions for Arena, was appointed in mid-July as the new vice president of sales for The Finals.

Far East Travel Concepts is now accepting reservations on Olympic tour programs to the 1988 Olympic Games in Seoul, South Korea. Programs can be purchased either as land and air, or separately. Packages include four nights, eight nights or 17 nights with American breakfast daily, half-day city tour and transfers. The tours have been designed so that tour participants may extend to other Asian countries after attending the Olympics. For more information and brochures, call or write the tour wholesaler, Far East Travel Concepts, 124 Flagship Dr., Lutz, FL 33549; toll free Florida number 1-800-282-4938, ext. 33; national toll free number 1-800-223-3656.

C Free Enterprises has introduced a sunblock developed especially for children as part of their Malibu Tanning System called Kid's Sunblock. This waterproof lotion with a sun

Corrections: John Cady of San Marino High School set a California Southern Section 3A high school record in the 50 free with his winning 20.96 time at the sectional championships last May. *Swimming World's* "High School Comparisons" chart (August, page 73) inadvertently omitted the asterisk, indicating a record.

It was incorrectly listed in the Girls High School All-America Swimming Team (*Swimming World*, August issue) that Jeannette Beitz of Fort Collins High School (Colo.) recorded the fastest 50 freestyle time (23.19) among high school girls. The correct time was 23.44, which Beitz confirmed, and would have tied her with Rosie Zimsen of South Kitsap High School (Washington), who was listed as second-fastest. Consequently, this changes the mythical team rankings. By tying for first and sharing 14½ points in the mythicals, Zimsen's South Kitsap team moves up to ninth place overall and fourth among high schools with 26½ points. Beitz' Fort Collins school becomes the 10th ranked high school (16th overall) with 23½ points.

Inadvertently omitted from the 1987 Girls High School All-America Swimming Team was Whitney Wyatt of Bakersfield High School (Bakersfield, Calif.). Her times of 24.11 and 52.61 in the 50 and 100 freestyles, respectively, would have placed her in a three-way tie for 21st in the 50. Her 100 time would have qualified her for an honorable mention. □



U.S. Swimming

1988 Non-Athlete USS Membership

The 1988 membership year officially began Sept. 1, 1987, and all LSC registration and membership chairmen have sent applications and forms needed to register athletes, non-athletes and clubs for the new year. The membership program for 1988 will again be handled at the LSC level. All athletes, non-athletes and clubs will join through the LSC and pay the national fee and applicable LSC fee.

Since many questions about membership arise at this time, the local services department of USS has compiled a list of the most common questions and their answers. Questions about registration or membership should be directed to the local service department at USS national headquarters.

Q: If I register as a non-athlete member now, must I also register again in January, 1988?

A: Non-athlete, athlete or club members joining USS on Sept. 1, 1987 or after will pay at 1988 fee levels. (The national fees for all categories of membership for 1988 remain unchanged. However, LSC fees may be different from those charged in 1987.) Membership is good for the remaining months of 1987 and all of 1988 with an expiration date of Dec. 31, 1988.

Q: If I register as a non-athlete now, when can I expect to receive my membership card and 1988 USS Rules and Regulations?

A: For the first time, LSC membership chairmen will issue membership cards to non-athlete members.

The opinions expressed on this page are those of United States Swimming, Inc., and do not necessarily reflect the views of *Swimming World Magazine*.

Direct all questions to:
**U.S. Swimming
National Headquarters
1750 E. Boulder St.
Colorado Springs,
CO 80909
(303) 578-4578**

United States Swimming, Inc., is now, as it always has been, concerned for the safety of all its members. It will continue to disseminate such information concerning swimming safety as comes to its attention. However, United States Swimming cannot and does not accept responsibility for the content of any such information or material. All opinions and conclusions stated in any such material are solely that of the author(s) and not necessarily that of United States Swimming.

There will be two different non-athlete membership cards for 1988. Coaches who have successfully completed the required CPR and first-aid courses for 1988 coach membership in USS will be issued a blue membership card. Non-coach members of USS will be issued a red membership card for 1988.

Q: For 1988 membership requirements, who must have CPR and first-aid? Must all assistant coaches fulfill this requirement? If there is more than one coach on deck for a given practice, must all those coaches (practice supervisors) be safely trained?

A: All coaches, including assistant coaches, must fulfill the requirement. If there is one fully qualified coach on deck, he may have practice supervisors on deck with him so long as he closely supervises the practice activity. Once again, the key to all this is trained supervision.

Q: Should there be a "grace" period during which a coach can become safely trained? If so, how long should this grace period be?

A: Before an individual can qualify as a coach at any level, he must

have been training certified. In the meantime, he cannot be hired as a coach or join USS as a coach member. He can, of course, be a non-athlete member of USS. He can be a member of any coaching staff as a trainee, or whatever else you want to call him, so long as his activities are under the close supervision of a qualified coach.

Q: What is the "grace" period for a newly hired coach to successfully complete his or her training in CPR and first-aid?

A: The coach may work with USS athletes for up to six weeks only when accompanied by a USS member safely trained coach or a suitably trained lifeguard.

Q: What are the requirements for a coach leaving his team under the direction of another individual during his/her absence?

A: If a coach must leave his team under the direction of another person, the individual taking responsibility for the USS athletes must: (1) be a USS member who fulfills the requirements for USS coach membership (training in CPR and first-aid); or (2) be a USS member accompanied by a water safety instructor, instructor trainee or a suitably trained lifeguard.

Q: May a coach register as a non-athlete member ("other") until he completes the required first-aid and CPR courses?

A: If a coach has not completed the required training at the time of application for membership in USS, he may not receive a coach membership card. The coach may sign up as a USS non-athlete member by indicating "other" on the membership application form. This does not satisfy the full requirement for training; however, it will provide the



coach with some limited insurance protection as a member of USS.

Upon successful completion of the required training, the coach may change his membership at no additional fee by completing the appropriate form and submitting it with copies (front and back) of the CPR and first-aid certificates. The coach will then receive a coach membership card from the LSC membership chairman. The membership chairman will also notify USS national headquarters of the change in membership status.

Q: In previous years, USS registered athletes who were still engaged in competition and assisted the coach on deck did not have to register as non-athlete members. Will this remain the same for 1988?

A: This depends on the capacity in which the athlete is working. If the athlete is acting as a "practice supervisor" with a fully trained coach on the deck, he need not register as a coach member with the required training.

If the athlete has sole supervisory responsibility for USS athletes, he must fulfill the training requirement and become a coach member of United States Swimming.

The safety education and membership committees realize that there will be numerous questions regarding membership. Please send any questions in writing to Carol Alexander or Sally Troup at USS national headquarters. Letters will either be answered promptly or forwarded to the appropriate committee for individual answering.

Tarn Pure Signs USS Agreement

Tarn Pure, USA, manufacturers of pool and spa ionization purification

systems, has signed an agreement to sponsor the International Center for Aquatic Research. This revolutionary new electronic technology for purifying swimming pools, spas, hot tubs and drinking water has replaced the traditional chlorine method. The new system will be installed in the U.S. Swimming flume that was dedicated in June.

In addition to sponsoring the ICAR in Colorado Springs, Tarn Pure has signed to be a sponsor of the U.S. Swimming national team for three years.

New Gift Service Items and Prices

Below is a list of the new USS gift service items commemorating 100 years of swimming in the USA.

100 yrs. clock \$10.00	Polo shirt 20.00
100 yrs. T-shirt, ls . . . 12.00	Classic V-Neck 20.00
100 yrs. T-shirt, ss . . . 10.00	Wet Feet poster 5.00
100 yrs. sweatshirt . . . 18.00	Day at the Meet poster 4.00
100 yrs. pin 3.00	USS logo pin 2.00
Logo baseball cap 9.00	Stars/Stripes pin 2.00
Poplin jacket 48.00	USS seal pin 2.00
Swinger pen 2.00	U.S. logo patch 1.00
Towel 20.00	U.S. logo decal50
Briefcase 30.00	Window sticker 2.00
Stuffle 3.00	Corporate tie 2.00
Highball glass 20.00	

Swim-A-Thon Week Expanded

United States Swimming announced recently the all new extended dates for the 1987 Swim-A-Thon Week. This most effective fund-raising activity will be conducted from Oct. 23 through Nov. 7, 1987.

Virginia Autry, Swim-A-Thon chairman at U.S. Swimming, says, "We all know the importance of holding a good money-making event. That is why I am excited that we can extend the program over three weekends. This gives the local

clubs a greater opportunity to schedule their event and to utilize our nationwide advertising."

To schedule a Swim-A-Thon for your club, simply contact the Promotions Department at United States Swimming.

Marshals and Lifeguards at Meets

The following safety question was posed to Bernard J. Favaro, U.S. Swimming counsel. His response should be taken into consideration when staffing U.S. Swimming sanctioned meets.

Q: A U.S. Swimming club is hosting a meet at a local university. The facility has two pools—a competition pool and a separate warmup pool. The university provides lifeguards for the warm-up pool who will oversee the swimmers' ongoing warmups and warmdowns during the competition.

Is this fulfilling the requirement of marshals to supervise the warmup? If not, what else is required?

Must these lifeguards become members of U.S. Swimming? Since they are employed by the university, would the university provide insurance covering their actions?

A: The U.S. Swimming host club must provide a marshal to supervise the work of the lifeguards to ensure that mandatory USS warmup procedures are being followed. Almost certain this would be a target for liability if the host club did not provide such supervision.

University insurance should cover the lifeguards; USS would cover the USS marshal. The lifeguards need not be members of USS.

The opinions expressed on this page are those of United States Swimming Inc., and do not necessarily reflect the views of *Swimming World Magazine*.

Age Group Swimmers Of The Month

Candidates for "Age Group Swimmers of the Month" must compete within a nationally recognized age group. Please send a short, typewritten (double-spaced) personality sketch and a black-and-white photograph (preferably a face shot) of each nominee or request a Swimmer Profile form from Swimming World. Include the name, address and phone number of the person submitting the candidate. Send all information to Swimming World, "Age Group Swimmers of the Month," P.O. Box 45497, Los Angeles, CA 90045.

APRIL DIEZ

Arizona Sports Ranch Phoenix, Arizona

Qualifying for your first USS senior nationals as a 13-year-old is a feat to be proud of. She many not have won any events, but she's gaining experience by leaps and bounds. Her first big nationals was this past spring in Boca Raton where she swam the 1000 and finished 19th with a 9:55.04.

That performance made her eligible for the United States Olympic Festival, held in mid-July in Chapel Hill, N.C. She was drafted onto the East team and took two seventh places—one in the 400 free (4:27.90) and the other in the 800 (9:06.22)—and she also took an eighth in the 400 IM (5:17.10).

Prior to the Olympic Festival, April made her senior cuts in June at the Mission Viejo Meet of Champions. She achieved one in the 400 free (4:23.32) and the other in the 800 (8:58.42). Although she didn't improve these standards at seniors (Clovis, Calif., July), April knows better what to expect at future large-scale competitions.

This distance standout's rankings in the top 16 list are good considering that she's at the bottom of her age group—when she's 14, anyone who swims a 400 distance or higher had better look out. On the most recent list (short course, August 1987), April is ranked second in the 1000 free (9:55.04) and eighth in both the 500 (4:54.96) and in the mile (16:52.22).

ANDREW LEE MARTIN **Sonship Aquatic Club** **York, Pennsylvania**

Brains and brawn are two good words to describe Andrew Martin. Brains, because he applies himself with great success in his academic life, and brawn, because

although he's not a huge guy, he plays soccer and swims as if he is. Besides, what else would you say about a kid whose coach nicknamed him "The Hulk"?

Andrew was an honor roll student in the sixth and seventh grades and was selected by his teachers in those grades to receive the "Are Award," the highest honor given to a middle school student for recognition and effort. He also qualified for the Johns Hopkins University Talent Search Program which enabled him to take his Scholastic Aptitude Test (SAT) in the seventh grade. He was given honors with distinction for his SAT verbal score.

Apparently his 2½-hour, six-day-a-week training schedule paid off too. On top of all his academic accolades, Andrew managed to squeeze in a few for swimming and soccer, too.

He achieved top 16 times in both backstrokes, finishing third in the 100 (59.43) and sixth in the spring (27.83). He swam these times at the Eastern Zones in April in Buffalo, N.Y., winning both. He hopes to break into the 13-14 top 16 this year. He aged up in September. More long-range goals include either the '92 or '96 Olympics.

In the meantime, he'll keep playing soccer—he was captain of his all-star team plus drafted by another area team to play as a fullback in the championships—and keep up with other interests like snow skiing, collecting comic books and playing Dungeons and Dragons.

LIBBY HALE

West Volusia YMCA Swim Team **DeLand, Florida**

Although winning is not everything to 10-year-old Libby Hale, she seems to keep finishing at the top anyway. Libby's attitude in her swimming steers her toward the fun aspects of the sport like making friends; she finds a sense of camaraderie with her competitors despite the intense level of swimming in Florida.

Libby, who swims for West Volusia YMCA, achieved her first national ranking at the age of 9. She was 10th in the 50 fly (30.13); on the most recent list (August 1987) she is ranked in eight short course events: first in the 50 and 100 frees (26.50, 57.82); fifth in the 100 back and 100 IM (1:09.34, 1:08.47); eighth in the 200 free (2:09.85); ninth in 50 fly (29.60); 10th in 50 backstroke (31.98); and 14th in 200 IM (2:28.49).

Her accomplishments speak for themselves, but Libby

Age Group Swimmers



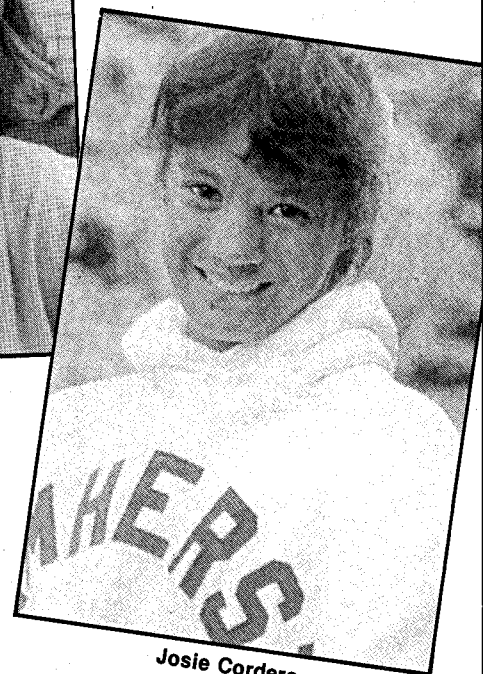
April Diez



Andrew Lee Martin



Libby Hale



Josie Cordero

remains a modest athlete. When praised for her success, Libby reportedly says that it's "no big deal."

But in the four years she's been swimming, she has become a big deal on the YMCA and USS circuits in Florida. She has taken the YMCA high-point trophy for the YMCA Florida State Championships for the past three years. She won the high-point at the Florida Long Course JOs last summer. She has stayed on top in Florida swimming almost since the beginning of her swimming career. As an 8 and under, she made the Florida top ten list in 12 events, emerging as No. 1 in six.

A sixth grade student at Edith I. Starke Elementary School, Libby maintains almost all A's. Under the guidance of Coach Fred L. Hoffmann, she hopes to continue improving her swimming record and to compete in Y Nationals next year.

JOSIE CORDERO **Amherst Swim Club** **Amherst, New York**

A near-tragic water accident helped Josie Cordero, 11, to uncover a hidden talent for swimming. About eight years ago, her older sister, Jessica, nearly drowned

in a friend's pool. After that, her parents took action and insisted that Josie, her twin sister Jackie, and Jessica all learn to swim and survive water hazards. They started in the learn-to-swim program at Amherst Swim Club and eventually moved up to the competitive level.

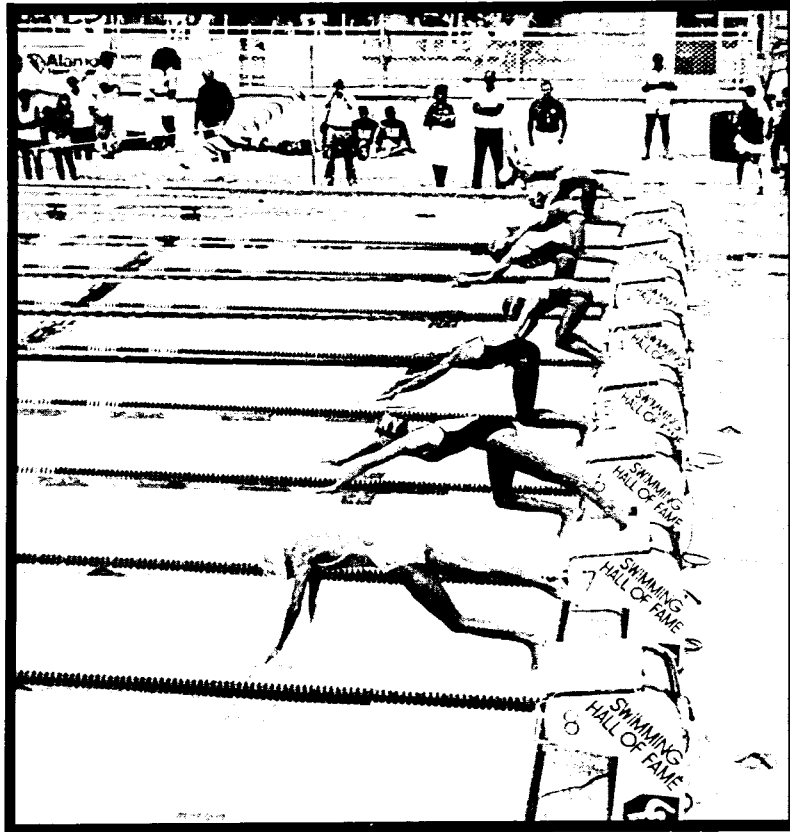
It was seemingly meant to be, because Josie not only learned how to swim—she learned to win and be the best at what she does.

On the most recent national age group rankings list, Josie is ranked no lower than 11th in nine events. She topped the list in two: the 200 free (2:08.04) and in the 100 IM (1:06.29); was third in 100 back (1:08.18); fourth in 100 free (58.85); fifth in 50 free (26.92) and 50 back (31.52); seventh in the 200 IM (2:26.22); eighth in 50 fly (29.57) and finally, 11th in 100 fly (1:06.88).

Josie also holds a string of local records, having set eight of 11 Niagara District marks. She has also taken an unprecedented five consecutive Niagara District Junior Olympic titles for both short and long course in the 8 and under and 10 and under age groups.

Even with the time she invests in swimming, Josie still finds time to correspond with about two dozen pen pals plus play the clarinet and take ballet lessons. □

INTERNATIONAL SWIMMING HALL OF FAME AQUATIC COMPLEX Fort Lauderdale, Florida



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“7 Jr. National Records Broken”

New Records:

Men's 200 meter breaststroke	Nelson Diebel	2:21.53	Peddie Aquatic
Women's 400 meter individual medley	Julie Terrill	4:58.60	SwimAtlanta
Men's 800 meter freestyle relay	Pine Crest "A"	7:44.07	
Men's 400 meter freestyle	Steve Bigelow	4:00.40	Pine Crest
Women's 200 meter individual medley	Julie Terrill	2:21.21	SwimAtlanta
Men's 400 meter freestyle relay	Pine Crest "A"	3:30.10	
Women's 100 meter butterfly	Barb Pranger	1:02.39	Coho Swim Club

Knowing When To Eat

Send your nutrition questions to nutrition expert Linda Houtkooper, c/o Swimming World, P.O. Box 45497, Los Angeles, CA 90045.

Q: When is the best time to train in relationship to when I eat? Should I work out just before I eat, just after, several hours before, several hours after or does it make a difference?

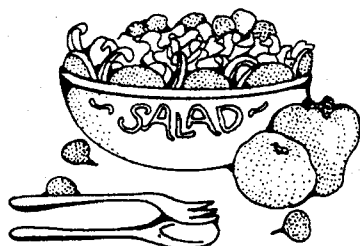
A: Yes, it can make a difference when you eat in relationship to when you train. If you work out at a low to moderate intensity, having food in your stomach and intestines will not have a big effect on how you feel and will not lead to cramping.

On the other hand, if you swim at a very high intensity level and have food in your gut you could feel uncomfortable and might develop stomach or abdominal cramps. However, research has shown that some swimmers can eat small meals, containing 400-500 calories, up to 30 minutes before a single, short, high intensity event and not experience a decrease in performance.

The reasons swimmers react differently to the timing of meals is not understood. Scientists have theories about what causes the discomfort and cramps associated with eating large meals before exercising. It is thought that these symptoms occur because nutrients in food—carbohydrate, protein, and fat—must be digested before they can be absorbed into your bloodstream to be used immediately for fuel by your cells or to be stored as fat.

When you are exercising at a high intensity level your blood is diverted away from your stomach and intestines to your muscles. As a result, the food stays in your stomach undigested and can lead to trouble.

The length of time it takes to digest food you eat depends on



several factors. The major factors are the mixture of nutrients in the food, size of the meal, whether the food is liquid or solid, and how you feel when you eat the food.

The major nutrient components of food are digested at different rates. Carbohydrates are digested first. Sugars, which are simple-carbohydrates, are digested and absorbed within a few minutes. Starches, complex-carbohydrates, are digested next, then proteins and finally fats. Alcohol is also an energy source. It can be absorbed

within minutes if the stomach is empty and more slowly if food is in the stomach.

Insoluble fibers found in whole grain breads, cereals, some vegetables and fruits will speed up the rate food moves through your stomach and intestines. Soluble fibers contained in some fruits, vegetables and cooked, dried beans and peas will slow the rate food moves through your gut.

The time required for digestion also depends on whether the meal is liquid or solid. Liquid meals will be digested and absorbed faster than solid food meals. Large meals will obviously take longer to digest than small meals.

Let's look at some examples of meals and the time required for digestion and absorption into your bloodstream. ►

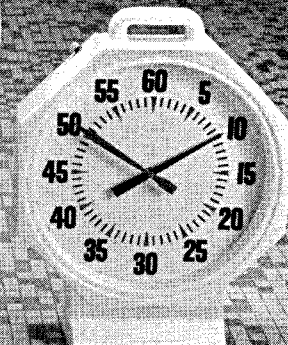
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About the Author

Linda Houtkooper, Ph.D., R.D., is a food and nutrition specialist with the Cooperative Extension Service, Nutrition and Food Science Department, at the University of Arizona in Tucson.



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Box 928, Medina, OH 44258 (216) 725-4997

Nutrition

A commercially canned liquid meal that is high in carbohydrate, moderate in protein and fat and contains 200-300 calories can be absorbed into your bloodstream within a couple hours. A solid meal containing 500-750 calories that is high in carbohydrate and contains a moderate amount of fat and protein will take 3-4 hours to leave your gut. An example of a meal of this type could be pasta with tomato sauce, a vegetable salad with dressing, bread with butter, a glass of lowfat milk, and some fresh fruit. Solid meals in the 500-750 calories range which are high in fat will take more than 3-4 hours to be absorbed. An example of this meal would be a fried hamburger, french fries, whole milk, and cookies.

The final main factor that affects how quickly you digest and absorb the food you eat is how you feel when you eat. If you are uptight and nervous, digestion is slowed down. If you are relaxed your food will be more readily digested and absorbed.

Q: I have heard that caffeine is bad for your health but that it can make workouts easier and improve swimming performance. Is this true? Besides coffee, what else contains caffeine?

A: The effects of caffeine on health vary depending on the amount of caffeine you consume, how long you consume it, and your body's sensitivity to this drug.

Caffeine stimulates the central nervous system. The effects of caffeine include insomnia, restlessness, trembling, increased heart rate, abnormal heart beats, faster breathing, increased urine loss, headaches, increased stomach acid production, increased muscle contractility and increased breakdown of fat.

The effects of caffeine are dose related. So a small amount or dose has very little effect and a large amount or large dose has big effect.

Caffeine's effects on the body also vary from person to person. Some people are very sensitive to small or moderate doses of caffeine and others tend to be insensitive to caffeine at these doses.

There is no solid advice regarding

the ergogenic (performance enhancing) effect of caffeine in sports. Research studies with trained cyclists and runners showed that some subjects improved endurance times and experienced decreases in the effort needed to maintain a set intensity of exercise after consuming moderate doses of caffeine. Other subjects ex-

The effects of caffeine are dose-related. So a small amount has very little effect and a large dose has big effect.

perienced discomfort. Therefore, each individual must determine his or her body's response to the effects of caffeine.

Moderate amounts of caffeine (the caffeine in three or less cups of coffee) seem safe for most people. However, even moderate use of caffeine can create problems for some athletes. Caffeine stimulates stomach acid production which can cause stomach upset. Caffeine intake in excess of 250 milligrams can lead to increased anxiety and nervousness, irritability, headaches and diarrhea.

Also, the diuretic effect of caffeine increases urine formation and results in increased body water loss which can lead to dehydration. Although the negative risks of caffeine are small for most people, the possibility of delirium and/or death resulting from its use during exercise does exist. If a person is sensitive to this drug he or she should avoid consuming it in any form.

Since caffeine is a drug, the United States Olympic Committee does not support its use. The International Olympic Committee prohibits caffeine levels in urine of greater than 15 micrograms per milliliter.

Use the chart to find the caffeine content of some foods, beverages and medications. □

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1. Sports Nutrition News, Vol. 6 (1), June 1987.
2. Girandonna, et. al. *Nutrient Utilization During Exercise*. "Effects of Liquid and Solid Meals and Time of Feeding on $\text{VO}_{2\text{max}}$," pp. 115-119, 1983.

Table 1.
Caffeine Content of Beverages,
Foods and Medications

	Avg. (mgs.)	Range (mgs.)
Coffee (5 oz. cup)		
Brewed, drip method	115	60-180
Brewed, percolator	80	40-170
Instant	65	30-120
Decaffeinated, brewed	3	2-5
Decaffeinated, instant	2	1-5
Tea (5 oz. cup)		
Brewed, major U.S. brands	40	20-90
Brewed, imported brands	60	25-110
Instant	30	25-50
Iced (12 oz. glass)	70	67-75
Cocoa beverage (5 oz. cup)	4	2-20
Chocolate milk beverage (8 oz.)	5	2-7
Milk chocolate (1 oz.)	6	1-15
Dark chocolate, semi-sweet (1 oz.)	20	5-35
Baker's™ chocolate (1 oz.)	26	26
Chocolate-flavored syrup (1 oz.)	4	4
Soft drinks		
Sugar-free Mr. Pibb	58.8	
Mountain Dew	54.0	
Mello Yello	52.8	
TAB	46.8	
Coca-Cola	45.6	
Diet Coke	45.6	
Shasta Cola	44.4	
Shasta Diet Cola	44.4	
Shasta Cherry Cola	44.4	
Mr. Pibb	40.8	
Dr. Pepper	39.6	
Sugar-free Dr. Pepper	39.6	
Pepsi-Cola	38.4	
Diet Pepsi	36.0	
Pepsi Light	36.0	
R.C. Cola	36.0	
Diet Rite	36.0	
Club Soda	0	
7-Up	0	
Fresca	0	
Sprite	0	
Ginger ale	0	
		Caffeine (mg. per tablet or capsule)
Over-the-counter medications		
No-Doz tablets	100	
Vivarin tablets	200	
Pain relievers		
Anacin	32	
Excedrin	65	
Midol	32	
Plain aspirin, any brand	0	
Vanquish	33	
Diuretics		
Aqua Ban	100	
Cold remedies		
Coryban-D	30	
Dristan	0	
Triaminic	30	

Keeping Swimmers In The Sport

Do the names Said Aouita, Steve Scott, Mary Decker Slaney, Greta Weitz or Edwin Moses ring a bell? For most of us in swimming, probably not, but in track and field these are just a few of the top international performers who all share a certain commonality.

So why are they the subject of a swimming physiology column? To be more specific, it is not that they are easily the best performers for their respective events, but rather that they continue to record world best times undaunted by the progressive onset of physical senility. In other words, they have all celebrated their 30th birthdays.

In a sport where the rigors of physical forces placed on the musculature is so great (especially in comparison to swimming), it is remarkable that these athletes can survive some potentially very serious injuries and, as in the case of a talent like Mary Decker Slaney, can in the course of only a couple weeks break world records as she did in 1986.

In swimming it is the rare occasion that we can point to a superstar who has been able to sustain the requisite training habits to remain in the sport even up to the age of 25. In fact, except for the recent re-emergence of Sandy Neilson (Olympic gold medalist, 100 free, 1972), at the age of 31, no other swimmer in the United States is swimming on the senior (as opposed to masters) circuit successfully.

Are track athletes somewhat physiologically more gifted than their swimming counterparts? To suggest that runners have some sort of physiological advantage over swimmers that allows them to continue to perform at such an elite level into their 30s would be equivalent to suggesting that blacks can not swim, a la Al Campanis.

There are several underlying reasons why our swimmers do not continue to swim into their late 20s and possibly 30s, as is done regularly in track and field, none of which is necessarily a physiological one. Foremost among all the justifications for why we don't have a Rowdy Gaines or Steve Lundquist, a Sippy Woodhead or, say, even a Mark Spitz still competing today is the issue of economics.

It is clear that beyond a college scholarship, there is little economic return from being a successful swimmer. In running this is clearly not the case where many of the competitors named are earning upwards of \$100,000 annually in appearance fees and promotions, legally sanctioned by their governing bodies.

Undoubtedly if a swimmer of the caliber of Rowdy Gaines had the earning capacity of the track superstars, his career could well have been extended to the benefit of American swimming.

The economic constraints may be the primary reason for not extending a swimmer's career, however, an equally pressing issue that may be

considered a physiological one is the manner in which we educate our swimmers. We have taught them from day one that in order to advance into the "senior" ranks they have to do things a certain way. Without a specific chronology or priority to these prerequisites to successful performance, a swimmer is taught that he/she must swim two workouts per day, weights must be included, a "base" of training must be built over years of rigorous training—in excess of four, five, six hours per day.

Along these lines we teach our athletes that with all this work (which of course will take years) they should only expect to swim fast, at the most, two to three times per year. And some coaches now are suggesting that a minimum of a quadrennium should be considered before one swims fast!

I think swimming coaches need to take some lessons from the track superstars. How many track milers—a race lasting about four minutes—train in excess of 30 miles per day. This would be equivalent to a 400 meter swimmer training 12,000 ▶

About the Author

David C. Salo is working on a Ph.D. in exercise physiology at the University of Southern California. His area of research includes cellular adaptations to exercise. He received his masters degree in 1983 from California State University Long Beach in physical education-exercise physiology.

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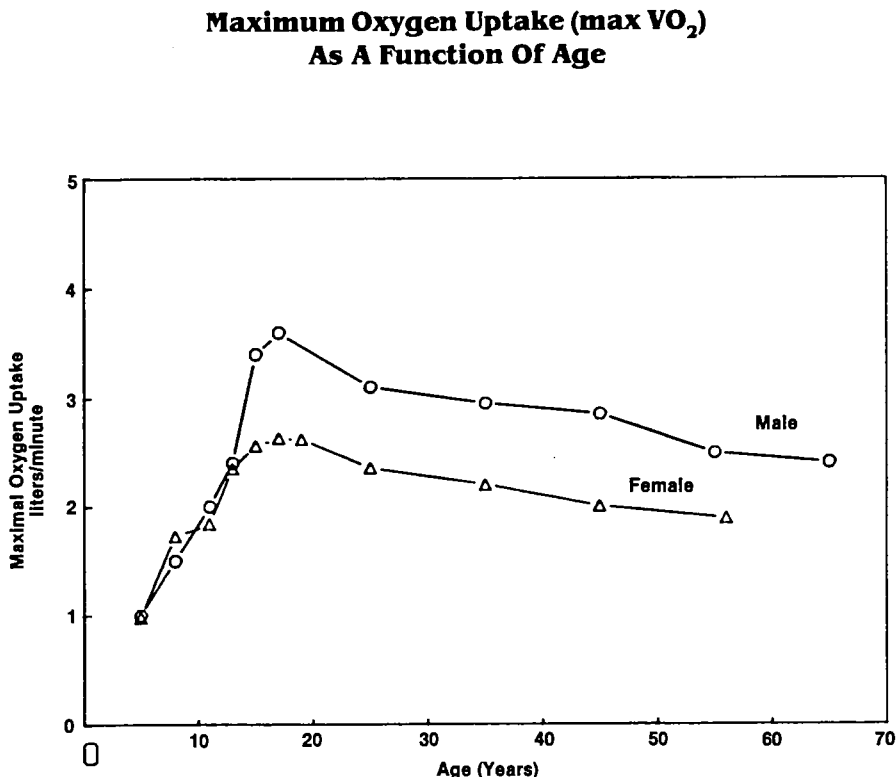
meters per day or 30 times their racing distance. I should hope that the majority of swim coaches do not entertain the thought of becoming track coaches. To the issue at hand, it is no wonder that our swimmers hang up their nylon threads before they reach what could be their peak athletic capacity.

Aside from the monetary and what I would describe as a "swimming manifest destiny," the physiological issue needs to be detailed in keeping with this column. It is clear that as one ages, many of the functions that dictate performance capacity begin to decline as a part of that process. Maximum heart rate declines as does maximum oxygen uptake (maxVO_2)—seem primarily as a reduction of the cardiac output (the amount of blood pumped per heart beat). Blood lactate during submaximal work is higher, which may contribute to a reduced ability to train at previous workloads (however, lactate at maximal exercise is lower in older individuals).

At what point, however, do these processes begin to decline? The work of Astrand (1968) indicated that in regard to maximum aerobic capacity, there is an apparent increase with growth and development in childhood, and a peak in adolescence, followed by a gradual decline with age, beyond 25 years, at the rate of about 9 percent per decade (Figure 1). Heath *et al.* (1981) demonstrated, however, that this decline was dependent upon the level of activity of the subjects, in that those active throughout the adult years only had a rate of decline of about 5 percent per decade.

One subject, classified as a "champion" who continued to train into his 50s, had a decline in maxVO_2 of only 8 percent over 30 years (4.67 at 20 years to 4.30 l/min at 51 years). Astrand, in fact, suggested that females who would continue their training should be expected to perform at their best well into their 20s.

In animal studies it has also been demonstrated that older animals have the capacity to respond to training stimulus with an increase in the metabolic machinery important for performance capacity (i.e., in-



creased mitochondria with training). This suggests that many of the declining aspects of the aging process can at least be slowed such that athletic performance can be maintained at a high level late into the 30s. Evidence of this is the masters national championships where many swimmers into their 30s and even 40s are swimming times that in several instances are better than achieved in collegiate days.

I would propose that given the economic opportunities that track athletes enjoy, many of our American elite would continue to train over an extended period of time even under traditional training regimens. However, I do not expect the financial benefits to be forthcoming any time soon. I would further propose that some of our former Olympians (imagine Gary Hall) given to training in a manner which I have proposed in this column and elsewhere (and have been criticized for), where the time commitment would

be minimal (about two hours per day total) and not interfere with professional lives, many of yesteryear's superstars could reclaim the status once held.

Unlike most coaches and swimmers who are given to believe that if a serious commitment to train for the 1988 Olympic Trials has not already begun in earnest then it is too late, I would take issue with the fact that given four months to train, a former Olympian of the stature of a Rowdy Gaines could retain the conditioning necessary to perform as in previous years (given that during such an individual's hiatus from the pool, there has not been an excessive weight gain).

I would conclude by suggesting that United States Swimming should investigate means to retain our great Olympians from the recent past both via economic means and by thorough evaluation of training practices with track being an example to study. □

Reflections And Expectations

This is the time of year that lends itself naturally to reflections. It is the time of year when the season just finished and the one about to begin are in closest proximity.

Whether you are an age grouper, a summer-leaguer, a new college freshman or an Olympic hopeful who has no more college eligibility, you can use this brief respite from heavy training and competing to your advantage.

Everyone in sports understands that goals are a part of the athletic process. Goals are a statement of your personal expectations . . . rungs on the ladder of personal success. For these goals to have real meaning to your motivation for the upcoming season they must be valid for you. That is, they need to be based on your best awareness of what is real for you.

Now is the perfect time of the year to try to be accurate in determining what is real for you. Your awareness of the season just finished is most likely to be clear at this time as opposed to a month from now when your training begins to get more rigorous or in a couple of months when the competition heats up. The swimmer who is on the ball will make good use of this "introductory" phase of the season by looking back to the summer just finished in order to set meaningful goals for the season which is about to start.

Let's take a look at some of the areas which, when looked at in depth, may be useful in setting goals for this year. I can think of several ways to break down the analysis. I'll share one here with you which is intended to be only a guide. You may choose to use it or one similar of your own, or even something completely different. What matters is not the format but the use of the information which should still be relatively fresh in your mind.

About the Author

Don Swartz, director of the Creative Performance Institute, may be reached at 59 Lomita Dr., Mill Valley, CA 94941.

First, I would look at stroke technique. I would want to get as much feedback as possible from my coach and perhaps even from a swimmer who trains with me. The more efficient I can be in the execution of my stroke, the less energy I use and the less resistance I create . . . and therefore the faster I can swim.

Perhaps it would be possible to get some videotape shot so that I could have immediate feedback. At any rate, I would want to have some very specific goal(s) in mind with respect to my stroke technique. The analysis in this area will follow the plus/minus format. On a sheet of paper (why not get one right now!) make three columns across the top. The first column is for the various categories: one labeled "stroke," the second has a "+" over it and the third column a "-" over it. Then with your coach you can figure out what it is that you are doing correctly as well as the areas for improvement.

It is important to look at the things you are doing well and not to get caught in the trap of focusing only on your mistakes.

Here's a sample . . .

	"+"	"-"
breaststroke	strong kick	need more hand speed at the end of the stroke

I am sure that you get the idea. The key elements here are the feedback from a knowledgeable source and the writing down of the information. This way when you get ready to set goals for the upcoming season you'll know where to put the emphasis and you can be specific in setting your goals.

The next category would be turns. Think of the best parts of your turn technique and write them down. And do the same with your weaknesses in this area. Turns can often make the difference in the outcome of a race. As a coach I talked about turns during the season until it seemed I was blue in the face.

My frustrations were that my

swimmers seemed interested in working on turns only in the week or so before the big meet. If you swim 1000 yards, you get 30 chances to work on your turns. Why not use those chances on a daily basis. You probably won't unless you heighten your awareness. It is my suggestion that this format will help you do just that.

The next area would be starts. How quickly do you get off the blocks? How well do you streamline when you hit the water? Do you take your first stroke at the proper time . . . or do you start swimming too soon, or too late? All these questions and others can be answered by you and your coach while the racing season just finished is still fresh in your collective minds.

Other categories would include the following: strength, endurance training, middle distance training and sprint training, distance, middle distance and sprint racing, pacing for various events, racing strategies, attitudes in training and in competition, health habits (i.e., sleep, rest, nutrition, weight control), mental training such as visualization rehearsals and relaxation exercises.

The categories on the list could go on indefinitely—you need to pick out the ones which you feel would be most useful to you. Again, I urge you to do this in conjunction with your coach and anyone else whom you feel is knowledgeable.

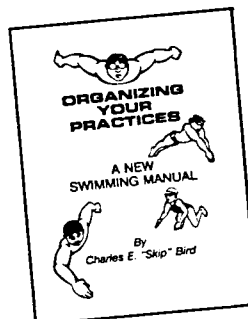
Once you have your list you can get on with the fun of setting some goals that have real personal value to you for this season. You can create a format whereby you have goals set for the things you are currently doing well and for those areas that you feel need lots of change and/or improvement. Remember to focus on the things you do well, not merely on your weaknesses.

Each training session will have more meaning and be more stimulating if you have something to aim for. Champions try to do something positive every day they train. So can you. The choice is all yours! □

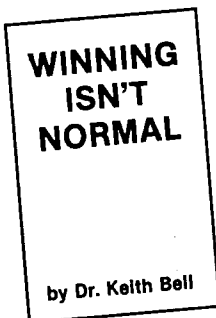
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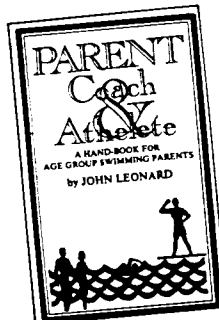
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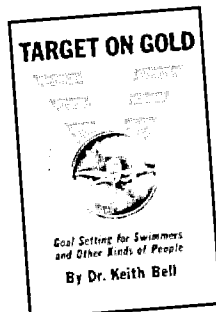
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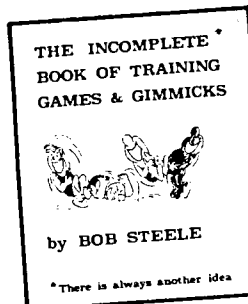
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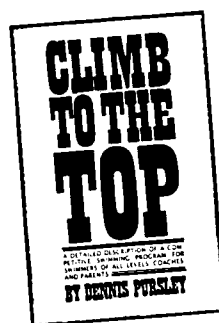
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USA Up Down Under

The United States swimming team journeyed to Australia for the second Pan Pacific Championships and brought home 24 gold medals plus two world and four American records.

by Russ Ewald



(Photo by LIVE ACTION)

BRISBANE, Australia—The United States swimming team flew to this subtropical city of one million in the country's northeast corner immediately following the nationals. The Americans arrived over a week prior to the second Pan Pacific Championships Aug. 13-16 at the Chandler Aquatic Center where they would face 15 other Pacific Rim nations including Canada, Japan, China and the host country. These championships had started in Tokyo two years ago to get together the top swimming powers outside of the European Championships for competition in the year prior to and following the Olympics.

The early arrival gave U.S. team members a chance to visit the famous Gold Coast an hour away and check out koalas and kangaroos at the Lone Pine Sanctuary. But after a week of touring and souvenir shopping, the Americans became bored enough to pair off for a spades tournament.

Tom Jager just stayed in his room, watching television and sleeping. However, that's the 22-year-old UCLA graduate's routine wherever he goes to a meet. He barely walks anywhere the last few days before

competing.

"There's not a lot you can do if you stay off your feet," said Jager. "And I believe it helps me to prepare mentally if I'm rested."

When the Americans got caught in traffic on their bus trip to the pool the opening night and arrived only 40 minutes before the first event, that didn't deter Jager, either. He never warms up in the competition pool on the night of the 50 meter freestyle anyway. And he avoids thinking about his event until 10 minutes before the start. Then, his mind takes over.

What he thinks about, Jager won't reveal. He says only, "If I told you, other people would be able to do it. They are personal things that motivate me . . . all the reasons why I swim."

A big source of inspiration for the sprint star is his rivalry in the 50 meter freestyle with U.S. teammate Matt Biondi, which has developed into the most exciting in the sport.

Each won twice in previous long course meetings when both were tapered since 1984. Jager set a world best at the 1985 U.S. Open of 22.40 and won at the World Championships. Biondi bettered Jager's mark

with a 22.33 at last year's world trials and equalled that time at the U.S. nationals this summer.

A rare poor start hampered Jager at the nationals where he finished second in 22.40. In Brisbane, he concentrated on that part of his race in workouts with U.S. assistant Ron Ballatore, his college coach at UCLA. In the prelims, Jager got off well and qualified first at 22.49 with Biondi next at 22.56.

But in the final on the dive, Jager came up behind his 6-foot-6 rival. By 30 meters, though, he pulled even. In the final 20, he surged ahead to win by a shoulder length in 22.32 for the first officially-recognized world record in the 50. (FINA, the governing body of the sport, didn't decide to recognize a record in the 50 until last year's World Championships and then only if a swimmer bettered the fastest time to that date.)

On his come-from-behind victory, Jager admitted, "It was something unusual for me. I didn't really know I was behind. I just knew I had to get in and swim the race. That's what makes me feel good about my swim as well, that I out-swam the field, too."

While several of the other top swimmers, including Biondi, slacked off on their workouts, this summer Jager trained a little more this year than last.

"I had the record (world best) and Matt took it away," he explained.

U.S. swimmers got both of the world records set at the Pan Pacifics. Tom Jager (above) became the first official record holder in the 50. Dave Wharton, receiving a hug from his coach, Dick Shoulberg (opposite page), after his 400 IM mark, was named male swimmer of the Pan Pacs.



(Photo by LIVE ACTION)

"It was something I really had in my mind as a goal. My plan was exactly this (getting the record back)."

Jager's record capped an outstanding opening day for the United States with victories in six of eight events. The Americans duplicated that performance the following night, highlighted by Dave Wharton's 400 individual medley.

After smashing the American record in the 400 IM by over a second at the world trials a year ago, Wharton suffered intestinal woes at the World Championships and placed only 10th. The 18-year-old German-town Academy graduate remembers "drinking Kaopectate by the gallon" in Madrid. Then, he got sick again at short course nationals and didn't even swim the 400 IM there. But he regained confidence by bettering his U.S. mark twice at the long course nationals, coming within four-tenths of a second of the world record. Also, he didn't go Down Under with

any trepidations about "shrimp on the barbie" and other Aussie cuisine.

Wharton's main concern was the backstroke, the weakest link of his IM. He worked extra on it in Brisbane, preparing for a showdown with world record holder and Olympic champion Alex Baumann of Canada the second night. However, since Baumann has been training only once a day this year and pointing for the 200 IM, the 400 IM duel turned into a contest against Baumann's record instead of Baumann.

Wharton opened the race with a 58.52 butterfly leg and followed with a 1:06.24 backstroke to hit the halfway point almost two seconds better than his previous fastest pace. His coach, Dick Shoulberg, knew the record was in the bag then. Even though Wharton still stood 13-hundredths behind Baumann's record pace and the Canadian had a great back half, Wharton's last 200 is even better. At the 300 mark, he trailed

the record split by 32-hundredths but needed only a normal final leg on freestyle—his strength—to get the world mark. The 50-percent deaf swimmer, buoyed on by the crowd—which he heard a little bit—and his team which he saw jumping up and down on the sidelines, came home in 57.81 to shatter the record by 1.29 seconds with a time of 4:16.12. (Note: Hungary's Tamas Darnyi bettered Wharton's mark five days later at the European Championships.) Australian Rob Woodhouse edged Baumann for second in 4:18.05.

Shoulberg, who has coached Wharton the past five years, ran over and hugged and kissed his swimmer before Dave got out of the water.

"I didn't realize I was going that fast until I saw my coach and teammates going crazy," said Wharton. "I guess I was excited enough from them and the crowd that I pushed myself harder."

Comparative World Record Splits

Baumann '84	Wharton '87
1:00.01	58.52
2:04.63 (1:04.62)	2:04.76 (1:06.24)
3:17.99 (1:13.36)	3:18.31 (1:13.55)
4:17.41 (59.42)	4:16.12 (57.81)

With Baumann's emphasis on the 200 IM, that race the next day figured to be tighter. It turned out to be as close as electronic timing can determine. Wharton took the lead on the fly leg (26.93 to 27.19), but Baumann passed him on the back (57.75 to 58.47) and gained on breaststroke (1:33.77 to 1:34.60). Early in the final lap, Baumann still led by nearly a body length before Wharton's powerful burst drew him even going into the wall. The scoreboard told the story: Wharton 2:02.49, Baumann 2:02.50. Meanwhile, frontrunner Pablo Morales of ▶

Pan Pacific Championships

the USA swam faster than his American record pace the first three laps (25.67, 56.54, 1:33.39) but died even more than usual because of his lack of training and finished third in 2:03.31.

"I was nervous the last 50, but I knew I had a lot coming home," said Wharton, who cut three-tenths off his previous best. "I just gave it everything I had left. I thought about all the hard work I put in this past year and thought it better pay off. I knew it was close. I was just hanging in there."

Although he didn't set a record this time, the unpretentious winner felt satisfied. "It's a best time, so I can't complain," he said. "It was hard to get to sleep last night (after his 400 IM world record), but I really concentrated on getting some rest."

Baumann didn't hide his disappointment. "I thought I'd go faster," he said. "I just didn't have it coming home. I went out maybe a little too fast. That's what racing is all about. I thought I had to get out there to beat Dave. The last 10 meters I didn't think I'd finish."

Like Wharton in the 400 IM, breaststrokers Steve Bentley and Amy Shaw had set U.S. records at the outdoor nationals. But both went into their respective 200 breaststroke races the final night of the Pan Pacifics as underdogs. Bentley faced Canadian Victor Davis, the world record holder and Olympic champion who earlier in the meet won the 100 breast; Shaw was up against 1987 world leader Xiaomin Huang of China and Canada's 14-year-old phenom Allison Higson, bronze medalist at Madrid and the 100 breast titlist the second night at the Pan Pacs.

After the prelims, Bentley's chances looked much better. The 22-year-old University of Southern California student set a Pan Pacific record of 2:16.29 in his heat. Later, Davis could do only 2:18.60 and angrily climbed out of the pool before the other swimmers finished.

In the final, Bentley overtook Davis on the second lap and won by nearly two body lengths in 2:14.99 to better his U.S. mark. He also became only the third breaststroker

ever to go under 2:15 (joining Davis and Hungary's Jozsef Szabo). Brett Beedle, the other U.S. swimmer, also finished ahead of Davis (2:17.80 to 2:18.27).

"I planned the race just the way it happened," said Bentley. "I just wanted to beat Victor (Davis) the last 100 meters. I've trained all year long for a strong third 50, and it all came together. I was surprised he (Davis) was that slow. I expected him to be around my time."

Comparative American Record Splits

Bentley (USS)	Bentley (Pan Pac)
31.49	31.34
1:05.66	1:05.29
1:40.19	1:39.63
2:15.30	2:14.99

Shaw didn't appear as sure a bet out of the prelims where she qualified fourth. In the final, the 15-year-old Mission Viejo swimmer turned at the halfway point three-tenths off her American-record pace in 1:13.54 and nearly two seconds behind the long, deep-stroking Huang. But the last lap Shaw tenaciously rallied with a rapid turnover to catch the 17-year-old Chinese swimmer in the last few strokes and outtouch her at the wall. The winning time of 2:29.58 cut two-tenths off her U.S. mark, equalled Huang's 1987 world-leading performance (at the time) and beat the runner-up by just eight-hundredths. Higson, who qualified eighth and swam in lane one, was never a factor and finished fourth (2:33.37).

"I wasn't nervous (after being so far behind at 100 meters) because I planned to swim my own race," said Shaw. "I always have a strong second half. I was determined to win, so I just put my head down and headed for the wall."

Comparative American Record Splits

Shaw (USS)	Shaw (Pan Pac)
34.84	34.65
1:13.24	1:13.54
1:50.72	1:50.79
2:29.78	2:29.58

Besides setting the only two world records at the meet, along with two other U.S. marks, the Americans dominated the meet with 24 victories in the 32 events. That fell two

short of their total two years ago in the first Pan Pacifics at Tokyo, but this year's meet was more competitive with Canada and Australia fielding stronger teams and the People's Republic of China having developed a couple of world class swimmers. As evidence, Pan Pacific records fell in 24 of the 32 events. U.S. swimmers produced 14 personal bests compared to only 6 at last year's World Championships.

Australia finished second in gold medals with four and needed Commonwealth records in three of its wins. Nicole Livingstone, a 16-year-old backstroker from Melbourne, brought the Aussie crowds—which ranged from 850 to 2,000 during the four days—to life with the only two wins for the host country in the opening three days, along with two Commonwealth records. Ironically, Livingstone is coached by an American, Dr. Ralph Richards, who used to work with Doc Counsilman at the University of Indiana. The lanky brunette showed her ability early by going 1:03.16 in a 100 backstroke heat, bettering the oldest Commonwealth women's record of 1:03.28 by Canada's Nancy Garapick at the 1976 Olympics. With Betsy Mitchell passing up the Pan Pacs, the USA's hopes rested with Susan O'Brien, who led the opening lap in the final. But Livingstone passed her with a good turn and won by a half-body length in 1:02.64 to further lower the Commonwealth mark.

"Bill Sweetenham (Australia's head coach) told me O'Brien would try to go out hard and steal the race but to forget her and swim my own race," said the winner.

Livingstone, ranked only 47th in the 200 back on last year's world list, improved more than five seconds at her nationals this July to set a Commonwealth mark of 2:13.04. Still, Andrea Hayes of the U.S. team had gone faster with a meet-record 2:12.37 at Clovis.

As in the 100 back, Livingstone let her opponent lead early in the 200 back final before taking over near the halfway point. She fought off Hayes' challenges the final lap to win by a body length. The winning time of 2:11.84 made her the seventh

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Pan Pacific Championships

fastest performer of all time and second on this year's world list.

"Andrea kept coming back at me and I was wondering if she was ever going to stop," said Livingstone.

Richard Quick, who headed the U.S. team and coaches Hayes at the University of Texas, related: "She (Hayes) said her legs went on her. She said they've never felt so bad."

While Livingstone held the spotlight of reporters during the meet, Janet Evans received all the attention the week prior—coming off her two world records at the U.S. nationals. Every reporter wanted to in-

terview her, and every interviewer asked if she was going to break Tracey Wickham's 400 free world record after having bettered the Australian's 800 mark at Clovis. Interest in the 400 free developed to such a degree that when Evans won the 400 IM the second evening in a time (4:44.99) over three seconds slower than nationals, everyone wondered if she was saving herself. She responded, "I wasn't saving myself for the free events, but I am looking forward to them because of Wickham and her records."

The next night Evans became one

of only three competitors to double (along with Wharton and Livingstone) with a victory in the 400 free as the top four swimmers were under the previous Pan Pacific record. However, Janet's 4:09.32 missed the world mark by three seconds and was slower than in Clovis (4:08.89). A weary Evans then attended a post-race news conference with Brisbane's Wickham in which the hometown hero stated, "I think it is going to take a swimmer able to negative split to crack the record. But it is very hard to negative split." The tiny U.S. swimmer, who was 70-

Another Challenge For Jager

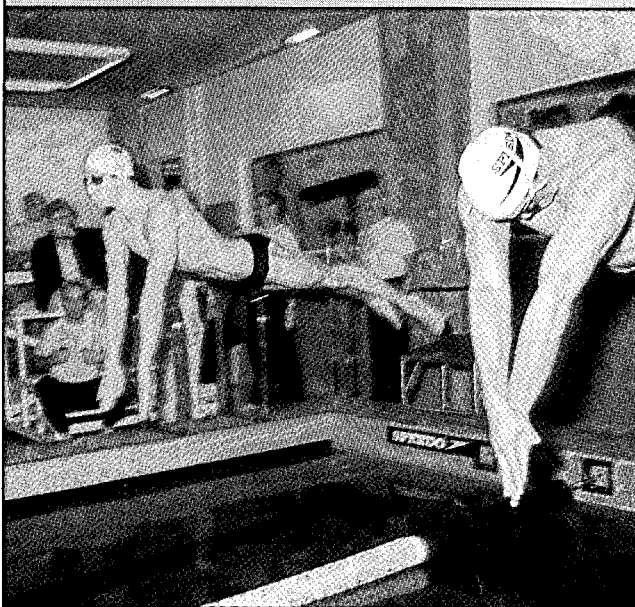


Photo by V. Acton—LIVE ACTION

Tom Jager wasn't through swimming once the Pan Pacific ended. The newly-crowned world record holder still had to fly down to Sydney and defend his title at the 50-yard Speedo-City Tattersalls International Swim Challenge three days later.

The \$5,000 challenge may be the most unique competition in swimming. It's held at the City Tattersalls, an exclusive club located in the downtown Pitt shopping mall, in a 25-yard basement pool with just two lanes that are only four feet wide and miniscule gutters. Swimmers compete in a tournament format with a timed prelims seeding them for the quarterfinals. Then, there are head-to-head matchups cutting the field to four for the semis and two for the final. But the real fun is upstairs where the spectators—the men dressed in their required coats and ties—watch the races on a big video screen in between guzzling beers and placing bets on the outcome.

Afterwards, the finalists are brought up for an interview session and the gathering is treated to a buffet meal. A crowd estimated at 150 paid \$5 apiece for the evening.

Jager competed for the first time a year ago and knocked off four-time champion Greg Fasala, a member of Australia's Mean Machine 400 free relay that captured the silver medal at the Olympics. In this year's seventh annual challenge, Fasala returned for revenge. But it was impossible to find any backers to bet against Jager, coming off his 22.32 over meters at Brisbane.

Jager, the lone American in the field, just made it into the top eight as the slowest qualifier in the heats held the day before. In the quarterfinals, he faced ex-Australian high jumper Angus Waddell, who leaped off the blocks almost halfway down the pool and into the lead. However, Jager gunned him down to win easily (20.61 to 21.00).

The semifinals matched Jager against former Aussie team member Matthew Renshaw and Fasala versus Vlastimil Cerny of Canada. Jager blew away Renshaw in 20.78 and Fasala took Cerny in 21.08.

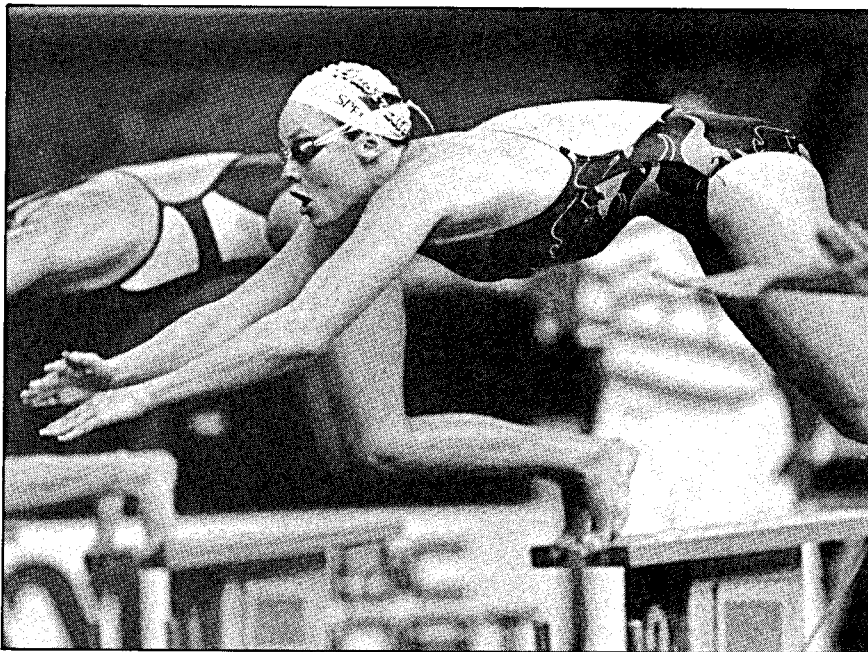
During the break before the final, last year's race was shown on the screen. And one bold Aussie mate backed Fasala with some bets—a foolish act as Jager took control immediately in the final and powered home to win by half a body length. His time of 20.1 bettered the meet record of 20.35 he set last year. Fasala was timed in 20.86.

"I'm more experienced for the event this year than I was last year," Jager told the master of ceremonies. "I just took it race by race and built up to the final."

Jager was then presented with a first-place check for \$2,000 and Fasala received one for \$1,000. The money must go to their clubs in accordance with FINA rules.

The crowd applauded the American champion. Then it was time to again head for the bar where the Aussies rarely finish second. □

Pan Pacific Championships



(Photo by Brisbane Daily Sun)

hundredths of a second ahead of the record pace at 200 meters, nodded her head forcefully and added, "If I take it out slow, I just get in that groove and go slow the whole way. I've tried negative splitting. It doesn't work for me." Suddenly, Evans was whisked out of the interview room by a U.S. team manager who said Janet needed to rest for the final-night 800.

While Evans slowed to a 2:05.91 the final 200, Australian Julie McDonald came back in 2:04.23 to pass teammate Susie Baumer and Tiffany Cohen of the USA and place second (4:10.18). That closing rush and Evans' fatigue proved to be omens for the 800.

In the half-mile event, Evans went to the front as usual. The lead didn't last long, though, as McDonald streaked ahead on the fourth lap and consistently widened her advantage thereafter. The 17-year-old Brisbaner, another of longtime coach Laurie Lawrence's pupils (others in-

Julie McDonald (above) dives in for the 800 where she thrilled her hometown crowd and a nationally-televised Australian audience by upsetting world record holder Janet Evans of the USA. The 17-year-old was selected female swimmer of the meet.

clude world record holders Stephan Holland, Wickham and Jon Sieben), gained on Evans' world record pace almost every 100 meters after a much slower opening 200. At the 700 mark, she was off by only 37-hundredths. Lawrence screamed and raced up and down the pool deck, waving his jacket frantically to alert his student. But McDonald, who sees such antics all the time, didn't get the message and coasted to a Commonwealth record of 8:23.18, 74-hundredths outside the world mark. Evans labored in 10 seconds later.

Apprised of how close she came, McDonald offered, "I feel so good wish I could do it all again.

"All I wanted to do was keep up with Janet in the early stages of the race because I knew she would take it out hard. At about the 200 mark, I felt really good, so I stepped up the pace. I didn't know I was on world record pace, but I could hear the crowd and I saw Laurie."

Evans, happy to be done with the meet, said, "I felt pretty tired the first 200. Then she started to move and I got discouraged. It hurt.

"I think it was kind of ironic I beat an Australian's record and then had to go to Australia."

Aussie miler Michael McKenzie had tears in his eyes after watching McDonald's upset swim. He recalled afterward, "Just hearing the crowd

cheer so much made the hairs on my legs stand up." With such adrenalin, the 20-year-old Gold Coast resident led from the outset in the 1500 and passed the 800 mark in 8:02.09, bettering Stephen Holland's 11-year-old Commonwealth record of 8:02.91. He finished with a personal-best 15:08.08—the fastest non-European time since the Olympics—to repeat as Pan Pacific champion. Dan Jorgensen dropped almost five seconds from his meet record at the U.S. nationals to take second in 15:12.09.

"I was mainly concentrating on Jorgensen," said McKenzie. "I beat him by two-tenths two years ago, so I know he was back for revenge."

Besides Jager in the 50 free, other 1987 world-leading times were produced by the USA's Morales in the 100 butterfly and Mark Tewksbury of Canada in the 100 backstroke.

The 100 fly received a big buildup because it matched world record holder Morales against Australian Jon Sieben, the upset 200 fly winner at the Olympics. Sieben, who missed the World Championships last year after coming down with glandular fever and has been hampered by a neck injury this season, entered only the 100 fly because of his limited training. Morales also hadn't worked out as much this summer, preferring to concentrate more on his schoolwork at Stanford University where he graduated in June.

But preparation or not, the 100 fly is Morales' event. He has remained unbeaten since Michael Gross upset him at the 1984 Olympics and took the Aussie hero by nearly a body length in 53.37, the sixth fastest performance of all time. Morales now has swum five of the seven fastest 100 flys ever.

"Essentially, we don't do long yardage sets these two weeks (between nationals and Pan Pacifics), but the added time in the water was beneficial, considering how little time I was in the water this summer," said Morales, who won at Clovis in 53.74.

Sieben nipped Biondi for second by 13-hundredths in 54.21, his fastest time since the Pan Pacs two years ago. ▶

Pan Pacific Championships



(Photo by V. Ackalin—LIVE ACTION)



(Photo by V. Ackalin—LIVE ACTION)

"He (Morales) blew me away at the start," said the 20-year-old Australian. "I hoped Pablo would go a bit slower tonight. Perhaps I could have stole it that way."

With the Americans Jay Mortenson and Rick Carey qualifying only seventh and eighth in the 100 backstroke (Carey then scratched from the final and was replaced by teammate Scot Johnson), Tewksbury's only competition came from Daichi Suzuki, the World University Games champion from Japan. Suzuki got out ahead with his usual tactic of swimming underwater the first 25 meters. Soon after Suzuki surfaced, Tewksbury passed him and turned in a sizzling 26.37, 17-hundredths ahead of Carey's world record split. The 19-year-old Canadian wasn't able to sustain that pace the back half and just held off a closing Suzuki, 55.89 to 56.07. The time did lower his own Commonwealth mark by six-hundredths.

Tewksbury didn't see Suzuki even when the Japanese swimmer surfaced because he was two lanes away. On Suzuki's underwater tactic, he answered, "It's good if you're a streamliner. But if I did it, I'd be out of breath the last 25."

In addition to the pairs of world and American records, four other U.S. winners turned in personal bests.

Dara Torres escaped an epidemic of stagnation among female veterans this season to go under 56 seconds for the first time ever in the 100 free. Only Torres and Kim Brown (800 free) showed improvement in the 1987 long course season from the 20 U.S. women who competed at the World Championships a year ago.

Although a quick gun by the starter left Torres last out of the blocks, the 20-year-old sprinter recovered well to not only lead at the 50 but turn 31-hundredths under the American record pace with a 26.86 split. She still can't bring it home strong enough to threaten the record and won in 55.86, lifting her to fourth on the all-time performers list.

"Thank goodness, I've been trying to break 56 since 1984," exclaimed the Florida junior, who swam with a Mickey Mouse earring dangling about.

Torres beat the U.S. record holder, Jenna Johnson, who took second in 56.11. Johnson said, "The start was horrible. We weren't down yet. Neither of us really died at the end of the race. Usually, I'm struggling to get to the wall."

In no event are the Pan Pac nations stronger than in the 200 fly where they have five of the six fastest swimmers in the world. But Sieben passed the event up, Morales

didn't qualify and Commonwealth record holder Anthony Mosse of New Zealand failed to show due to a bad back. That left a duel between Melvin Stewart, the youngest swimmer on the U.S. men's squad, and Canadian record holder Tom Ponting.

Stewart shaved eight-hundredths off his personal best to beat Ponting by nearly a body length in 1:58.05. The 18-year-old Mercersburg Academy senior had felt confident enough at nationals to not fully taper, peaking for the Pan Pacs instead. He was aiming for Morales' U.S. record of 1:57.75.

"I thought I would go faster, but I'm not upset because I won," he said. "It hurt a lot more than the last one (nationals) did."

Dan Veatch and Mitzi Kremer not only got personal bests but won their events after runner-up finishes at nationals.

Two young female swimmers on the rise are Australia's Nicole Livingstone (above left) and Amy Shaw (right) of the USA. At the Pan Pacs, the 16-year-old Livingstone and Shaw, 15, recorded the second fastest times in the world this year in the 200 back and 200 breast, respectively.

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The U.S. backstrokers experienced trouble slipping on the touch pads at the start, including Veatch in the 200 back final. The bad start put Veatch down in a tie for fourth after 50 meters. But he didn't panic and gradually moved up through the pack, catching leader Tewksbury the final lap and edging him at the wall in 2:01.38. U.S. champion Scot Johnson finished fourth.

"Knowing Tewksbury, I felt he'd be out fast," said Veatch, who cut three-quarters of a second off his best. "I swam next to him this morning which was great for me because I swam a controlled race and really moved on him the last 50. I wasn't that concerned then when I was a little behind tonight."

Veatch swam the second fastest 100 back (57.21) in the prelims but lost a coin flip with Scot Johnson to decide the replacement for Carey. He feels confident for next year because he's going to train full time at Mission Bay after graduating from Princeton with honors in eco-

nomics.

Kremer survived her third taper this summer to become the only swimmer to win at the World University Games (where she took the 100 free) and Pan Pacs. The Clemson sophomore took it out hard (58.66) and held on to win in 2:01.34 with Commonwealth champion Susie Baumer outtouching U.S. titlist Francie O'Leary for second (2:01.74).

"I wanted to take it out fast because I knew the other girls come back hard," said Kremer. "If I had to race them on the last 100, it would be anyone's game. I figured if I've got the lead, it's easier."

While almost all the top U.S. swimmers skipped the World University Games to keep training hard for nationals, the late-blooming Kremer felt it was best for her to go to Yugoslavia.

"It gave me a lot of experience," she said. "If I hadn't swum there, this would have been my first international meet and that would have

been hard."

Along with Veatch and Kremer, Anna Pettis-Scott and Kelley Davies also avenged defeats at the nationals.

Pettis-Scott turned 25 two days before the meet, making her eligible for master's competition. But the former Division II star from UC Davis showed she's far from ready to leave the senior level with a 26.16 victory in the 50 free over U.S. champion Lisa Dorman (26.33).

"I knew Lisa and I were going to be pretty much head-to-head," said Pettis-Scott, the wife of triathlon star Dave Scott. "I had my eye on her, knowing if I kept up with her I'd be all right."

In the 200 fly, Davies let U.S. titlist Melanie Buddemeyer set the pace before overtaking her going into the final turn. The 18-year-old Curl swimmer then held off fast-closing Takayo Kitano of Japan in 2:12.51.

"I knew I was going to bring it home okay, even though I tightened

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Pan Pacific Championships

up at the end," said Davies, who did a 2:11.76 at last year's world trials and won at the Goodwill Games. "I could feel the five-week taper we've been on. My times were a little bit off, but in a situation like this the win is more important than the time."

Matt Cetlinski, Craig Oppel and Matt Biondi all won freestyle races without needing to go as fast as at nationals.

The Pan Pacific rules limit teams to just two swimmers per event, cutting down on Cetlinski's competition in the 400 free. American record holder Dan Jorgensen swam the fastest time in the morning (3:50.92) but did that knowing he wouldn't be competing at night because U.S. head coach Quick ruled the top two finishers at nationals would be the finalists regardless of heats results. Unfortunately for Commonwealth gold medalist Duncan Armstrong, Australian head coach Sweetenham chose to use the fastest qualifiers for his team. Armstrong had the fifth best time (3:56.73) in the heats, but two of his teammates went faster to eliminate the Aussie national champion.

In the 400 free final, Cetlinski went unchallenged which may have cost him an American record. Because the 22-year-old Florida graduate goes out hard, it wasn't surprising he clicked off 200 and 300 meter splits faster than the record pace of a negative-splitting Jorgensen. But Cetlinski also was out quicker (1:53.05, 2:51.17) than in the nationals' prelims (1:53.80, 2:51.51) when he missed the U.S. mark by only two-hundredths. All alone, he couldn't bring it home fast enough, though, and settled for a 3:49.51 to fall one-tenth short of the record.

"It's hard to push yourself when you're so far ahead," sighed Cetlinski, who now has the four fastest U.S. 400s outside of the record. "The race felt real good, but it probably would have been best if someone was pushing me."

Oppel didn't figure to encounter that problem in the 200 free where he faced Australian Tom Stachewicz, the Commonwealth record holder (1:49.32). Knowing Stache-



(Photo by Brisbane Daily Sun)

wicz comes home hard while teammate Troy Dalbey likes to take it out fast, Oppel drafted off Dalbey and established a comfortable gap between himself and the Australian. He didn't have to worry about Dalbey, a food-poisoning victim a couple of days earlier. Troy faded the final 100. And Stachewicz' closing rush never materialized, giving the strategical Oppel a 1:49.12 victory.

Steve Bentley (above) deserves to be excited after becoming only the third swimmer ever to break the 2:15 barrier in the 200 breast. The American record holder spent the summer working out at Concord-Pleasant Hill and concentrated more on sprint and dry-land training. His 2:14.99 ranks him third in the world this year.

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"I figured I'd try something different this time," said Oppel, usually a negative splitter. "It doesn't matter how you do it as long as you get to the wall first."

That could have been the motto for Biondi, who swam a second slower than his 100 free world record yet won easily in 49.73. Oppel finished second in 50.11.

"I had a short season," explained Biondi. "I didn't do the training I normally do. Now that it's been two weeks past nationals, I was kind of worried. When I didn't swim as well as I would have liked to in the 50, my confidence was a little down. I tried to stay long the first lap because I didn't know how I'd come back."

Too bad he swam in the 800 free relay later that night instead of earlier in the meet. With the USA trailing Australia after the opening 200, Biondi split 1:48.47 (equalling his second-fastest ever) to keep the Americans close on their way to a 7:17.94 win.

"If I'd known that I would swim

so well in the 200 free (leg), I probably would have tried to go out harder (in the 100 free)," Biondi said regretfully.

Two years ago the American men set world records in the 400 medley and freestyle relays, but this year's quartets weren't as strong. The U.S. medley relay swam from behind the entire race after Veatch again slipped on a start and finished his leg 1.75 seconds behind Canada's Tewksbury (56.33). Davis put the Canadians almost two seconds ahead with a 1:02.44 breaststroke leg. Morales made up 65-hundredths with a 53.09 butterfly which got the USA close enough with Biondi anchoring. The world record holder reeled in Canada's Marcel Gery with a 47.90 freestyle to give the USA the win (3:41.73). The 400 freestyle relay provided no such excitement as U.S. leadoff Chris Jacobs' personal best (50.49) put the Americans on top for good in a 3:18.94 victory, the 1987 world-leading time.

Like the U.S. men, America's women swept the relays. Unlike the men, they went faster in all three than two years ago. The U.S. women's 400 free relay, wearing grease paint on their cheeks, aimed for the American record (3:43.43). But Jenna Johnson, who needed to approach her U.S. mark (55.57) leading off, contributed only a 56.02. Grace Cornelius and Torres had sub-56 splits in the 3:43.90 victory. Kremer lowered her personal best in the 200 free for the fourth time this summer with a 2:01.01 leadoff and Nancy Marley contributed the fastest split of 2:00.70 in the USA's 800 free win (8:06.54). Susan Johnson did a 1:10.50 breaststroke leg to get the Americans in front in the medley relay and Torres kept the team ahead with a 55.33 anchor for a 4:09.50 triumph.

Summing up the American performances at the Pan Pacs, head coach Quick said. "It was real good, but we need to improve in every area to accomplish what the American



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Pan Pacific Championships

public wants in Seoul. I'm pleased with the new blood at absolutely the top level of the world, such as Janet Evans, Dave Wharton, Amy Shaw, Steve Bentley and Melvin Stewart. I hope that inspires the other young talent that they can contribute in '88 and also keeps the veterans on their toes.

"As for Evans, I'm not saying a loss was a good experience. But dealing with the press and the pressure of being a world record holder, it was good she got that a year in advance (of the Olympics)."

Canada salvaged a disappointing meet in the 100 breaststrokes, capturing two of its three gold medals.

Victor Davis has the world record and an Olympic gold medal in the 200 breast, but lately he's been more successful at the shorter distance. He won at last year's World Championships and again at this meet (1:02.85).

"I'm getting better in the 100 breast as I get older," said Davis.

"My coach said that would happen because I'm getting stronger."

Davis went out in 29.69 and trailed American Richard Schroeder by 11-hundredths but passed the leader in the last 25 meters. "That (29.69) was pretty easy for me," said the 23-year-old Canadian veteran, who did his best of 1:01.99 at the Olympics. "If I'm going to go a 1:01, then I have to go out in a 29.2."

Last year Canada's Allison Higson became the youngest gold medalist in the history of the Commonwealth Games with a win in the 100 breast at age 13. Then, she lost that event to Guylaine Cloutier at both the Canadian winter and summer nationals. She regained the top spot here in convincing fashion with a 1:09.92, missing her Commonwealth record by only eight-hundredths and finishing 1.32 seconds in front of Cloutier.

"I enjoy international competition more than nationals," explained Higson. "And international competition gets me psyched up. I was

on target for the record at the turn (32.91), but I think I was rushing it a bit at the end."

The People's Republic of China didn't earn a medal at the first Pan Pacs two years ago but captured five this time including a gold by Hong Qian in the women's 100 butterfly.

Hong took a slight lead over Jenna Johnson of the USA the first half and held off the other American entrant, Angel Myers, at the finish to win in 1:00.39. The victory was no fluke. Sixteen-year-old Hong won at last September's Asian Games in 1:00.36 and dropped to 1:00.24 this April in Seoul. She skipped last year's World Championships to train for the Asian Games which are "important to us," said Chinese swimming director Xiangho Mu. Hong, 5-5, 123-pounds, improved more than four seconds last year with the help of German Democratic Republic coach Rudolf Klaus, who spent eight months in China. □

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Setting The Standard

Europeans continued to set the standards for the rest of the world, setting six world marks and 11 European records at the European Championships in Strasbourg.

by Richard Deal

STRASBOURG, France—Swimming took center stage on Aug. 18-23 in this region of the world better recognized for its varied gourmet gastronomic delights than for fast swimming. The 1987 European Championships turned out to be not only one of the major events on the summer calendar but, on the basis of world records established, unarguably the fastest.

During the six days of competition, world and European marks fell with almost methodical regularity. In all, six new world records were established (three by the women and three by the men), and 11 European records were set (four by women, seven by men).

On the men's side, two of the new world records were set by Hungary's Tamas Darnyi in the 400 (4:15.42) and 200 (2:00.56) individual medleys. The other men's record was achieved by the West German 4 x 200 freestyle relay team with a clocking of 7:13.10, breaking the previous mark held by the United States of 7:15.69.

As has come to be expected, the East Germans had a hand in all three of the world records set by women. In the 4 x 200 free relay, the GDR lowered its own world mark with a time of 7:55.47. Silke Horner then stroked to a new record in the 100 meter breast with a 1:07.91 clocking. The final world record was set by Anke Mohring in the 800 free-

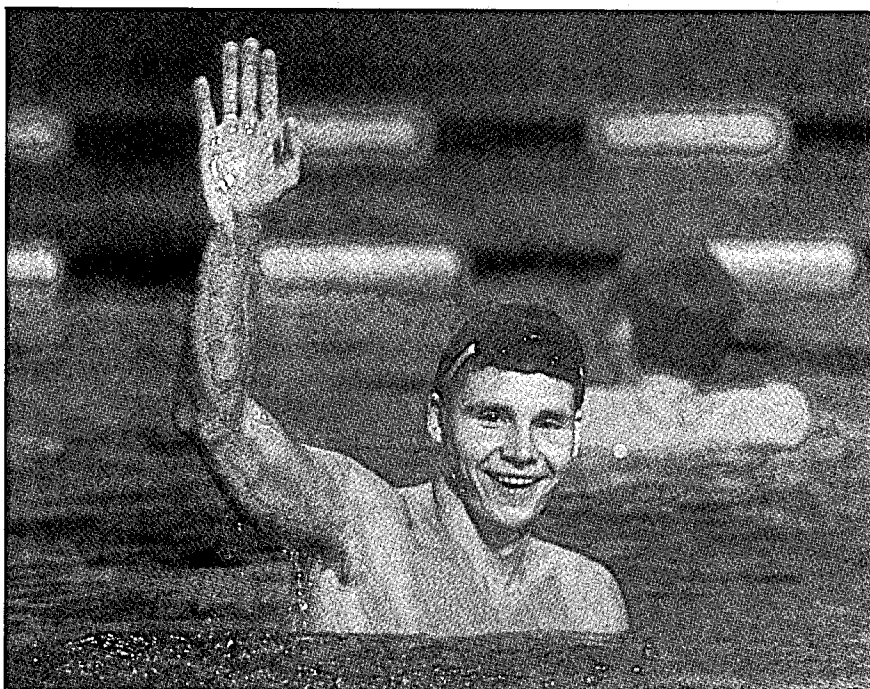


Photo by Simon Bruty/All-Sport

Hungary's Tamas Darnyi (above) was the star of stars at this year's European Championships, setting world records in both the 200 and 400 individual medleys. He lowered the standards to 2:00.56 and 4:15.42.

style in 8:19.53. Her performance broke the four-week-old mark of Janet Evans of the United States of 8:22.24.

Men's Individual Medleys

In the 400, Darnyi had to contend with a very strong challenge by Vadim Yaroshuk of the Soviet Union. In fact, Yaroshuk led at the end of 300 meters. The Hungarian star then caught the Soviet on the first 50 meters of freestyle, at which point Yaroshuk began to fade as Jozsef Szabo, Darnyi's countryman, and GDR's Patrick Kuhl got up in the final 50 to claim second and third, respectively.

Illustrating the adage, "when you're hot, you're hot," Darnyi gained his second world record in winning the 200 individual medley. This event proved to be almost a replay of the 400 in that Darnyi was pushed throughout the race by Yaroshuk. In the final analysis, however, the Soviet swimmer's only consolation was that at least in this event he was able to sustain his freestyle leg to earn a second-place finish.

Comparative World Record Splits

Baumann '84		Darnyi '87	
27.81		26.94	
58.25	(30.44)	56.99	(30.05)
1:33.28	(35.03)	1:32.54	(35.55)
2:01.42	(28.14)	2:00.56	(28.02)

Comparative World Record Splits

Wharton '87		Darnyi '87	
58.52		59.15	
2:04.76	(1:06.24)	2:03.81	(1:04.66)
3:18.31	(1:13.55)	3:17.32	(1:13.51)
4:16.12	(57.81)	4:15.42	(58.10)

Men's 4 x 200 Freestyle Relay

The men's 800 relay has been a nemesis event for the West Germans at the last two major world competitions. In 1984 at the Olympic Games ▶

European Championships



(Photo by Simon Bruty/All-Sport)



(Photo by Simon Bruty/All-Sport)

there was the memorable battle on the final leg between Bruce Hayes and Michael Gross. The United States men won that showdown as Hayes outtouched Gross and captured the gold medal, 7:15.69 to 7:15.73. Then in 1986 at the World Championships, the West Germans again managed to finish second in this event, being beaten by the GDR 7:15.91 to 7:15.96.

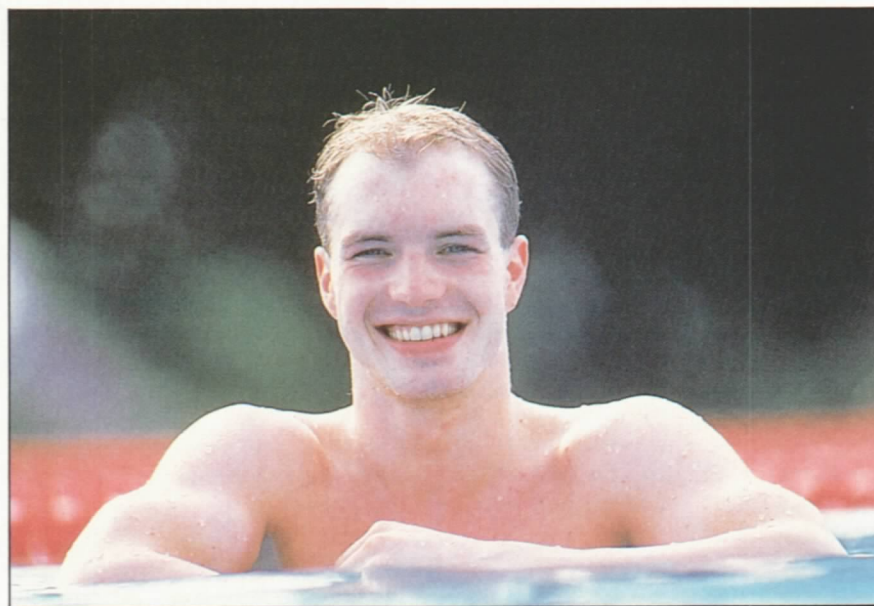
In this meet, the result was different, indeed. The West Germans gained revenge as they not only nailed down a first place finish but a new world record as well (7:13.10). Second place went to the GDR in a time of 7:14.27, which was also under the previous world mark (7:15.69). The highlight of the West German performance was Gross' split of 1:46.81 which ranks as the second fastest of all time. He also owns the fastest of 1:46.73 from last year at Madrid.

Comparative World Record Splits

USA '84		FRG '87	
Heath	1:48.67	Sitt	1:48.94
Larson	1:49.01	Henkel	1:48.71
Float	1:49.60	Fahrner	1:48.64
Hayes	1:48.41	Gross	1:46.81
	7:15.69		7:13.10

Women's 4 x 200 Freestyle Relay

The GDR women began their world record assault on the first evening of competition by lowering their own world standard in the 4 x



(Photo by Simon Bruty/All-Sport)

200 free relay. The GDR team consisting of Manuela Stellmach, Astrid Strauss, Anke Mohring and Heike Friedrich turned in a time of 7:55.47. Friedrich's anchor split was 1:57.61 as she became the first woman ever to split under 1:58.00. The final time eclipsed the old event record by almost three seconds.

Comparative World Record Splits

GDR '86		GDR '87	
Stellmach	2:00.31	Stellmach	2:00.23
Strauss	1:59.44	Strauss	1:58.90
Bergknecht	2:00.42	Mohring	1:58.73
Friedrich	1:59.16	Friedrich	1:57.61
	7:59.33		7:55.47

Women's 100 Breaststroke

After just missing the world record while winning the 200 breast, Silke Horner glided to a record time of 1:07.91 in the 100. Horner now

GDR's Anke Mohring, Heike Friedrich and Great Britain's Adrian Moorhouse (top left, clockwise) all set records at Strasbourg. Mohring set a world record (800), Moorhouse nabbed a European mark (200 breast), while Friedrich had the biggest catch of all: four gold medals.

European Championships

reigns as the top female breaststroke specialist in the world inasmuch as she is now the world record holder in both events.

Horner easily handled the 100 field in besting the old mark of 1:08.11 held by her teammate, Sylvia Gerasch, who finished in third place behind silver medalist Manuela Dalla Valle of Italy.

Comparative World Record Splits

Gerasch '86		Horner '87	
32.26		32.00	
1:08.11	(35.85)	1:07.91	(35.91)

Women's 800 Freestyle

In one of the most dramatic swims of the European Championships, Anke Mohring of the GDR shattered the world record in winning the 800 free. Swimming less than one month after Janet Evans lowered the world mark in this event, Mohring's time of 8:19.53 took an additional two-plus seconds off Evans' standard.

It should be noted that Mohring's teammate, Astrid Strauss, acted as a pacesetter in this event. At the halfway point in the race Mohring turned in 4:09.89, Strauss in 4:12.14. However, from the 400 meter point on, it was all Mohring as she pulled away from the entire field in the back half of the race. At the finish it was Strauss placing second in 8:32.24 and Judit Csabai of Hungary third in a time of 8:37.71.

Comparative World Record Splits

Evans '87		Mohring '87	
59.61	5:13.03	1:01.41	5:12.28
2:02.35	6:16.72	2:04.60	6:15.31
3:05.77	7:20.68	3:07.46	7:18.25
4:09.27	8:22.44	4:09.90	8:19.53

To be sure, the 1987 European Championships provided more than its share of records and global best times. But the entire story doesn't lie in simply the world record performances. In addition, some potentially important trends unfolded at this championships which may very well have a direct impact on the competition for medals at next year's Olympic showdown in Seoul, South Korea.

One major trend which emerged centers on the men's team from East

Germany. It is quite possible that the East German men are now poised to establish their own identity within the international swimming community. This is not to suggest that they will come close to matching the seemingly endless dominance of the GDR women, but, nonetheless, in the near future they may rise to the position of having the second best men's team in the world behind that

of the United States.

Consider the following: in the 1983 European Championships the GDR men won just one event, in 1985 they won two titles and in this year's competition they hiked their gold medal count to a total of four. Moreover, each year they have also increased their total medal count; 1983 was nine, 10 in 1985 and 12 in this year's championships. ►



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European Championships

During an interview, Winfred Leopold, one of the GDR men's team coaches, disclosed that there has been a rather frantic search for a successful method to build a more fundamentally sound men's program. Leopold alluded to the fact that at first it was believed the men's training could be formulated along

the lines of the women's system. When that proved unworkable, the race was on to find the right combination which would result in a more successful and consistent performance level being attained by the GDR men.

Leopold made it clear that even though it is starting to appear that

the men are on the right track, there is still much work to be done. As is customary, little in the way of specifics was forthcoming in terms of exactly what is being done other than the comment that the men's coaching staff viewed the results of this year's championships as being a success but were by no means totally satisfied with the overall team performance. "We have found the beginning," concluded Leopold.

The 1988 medal picture could be changed further by the Romanian women's team. Led by current world record holder in the 50 free, Tamara Costache, and IMer and distance free ace, Noemi Lung, the nation which has made such a great impact on the Olympic Games in gymnastics appears ready to assert itself on the swimming scene.

Depending upon which events the Romanians decide to focus in '88, one has to believe they could play a major role in who medals in the 200 and 400 IMs, as well as the 50, 100, 200 and 400 freestyles.

What of the West German men's team, and their mainstay Michael Gross? Even though he had a somewhat "off" meet by his standards, the West German men should have a definite influence on the men's medal race in Seoul. As mentioned earlier, their 800 free relay set a new world mark, and in addition to Gross' individual gold in the 200 fly, Rainer Henkel and Stefan Pfeiffer could very well be factors to contend with as they finished first and third in the 1500 free.

The true determining factor for the West German men's fortunes remains how well Michael Gross fares. Will he use his rather lackluster performance in the European Championships to serve as motivation for a gold medal barrage next year at the Olympics?

Another element of lesser significance but, nonetheless, newsworthy for the West Germans is the possible participation of Peter Berndt on their Olympic team. Having been unsuccessful in obtaining American citizenship, Berndt has reportedly declared citizen status in West Germany and will spend the coming year training for his opportunity to swim in an Olympic Games. □

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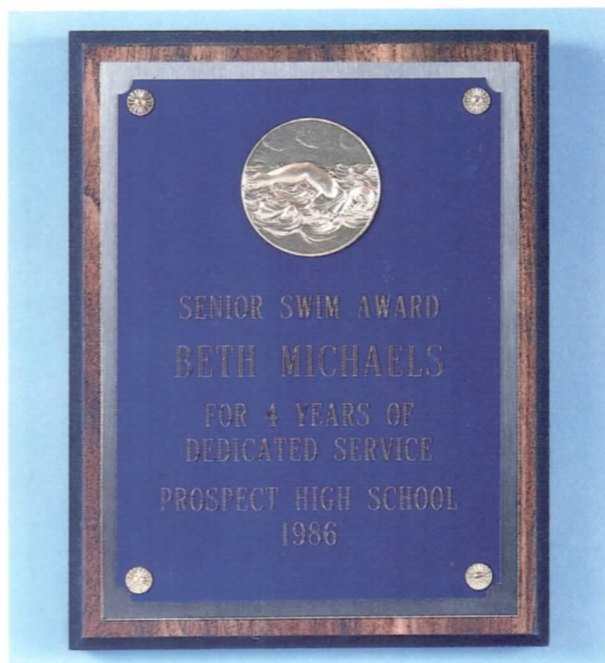
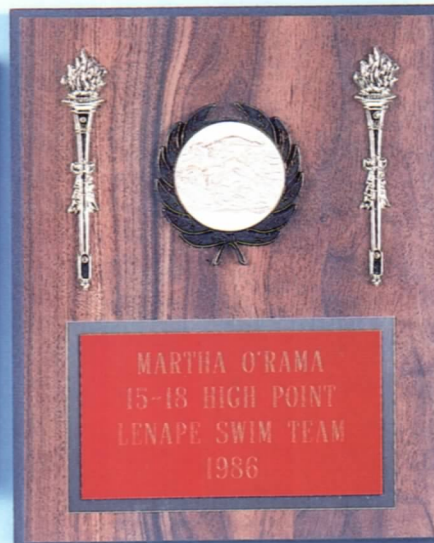
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SPORTS TIMING



(C)



(F)

Sports Timing



(H)

(A) 625CL is a simple split watch that displays cum split or lap split to one hour with 1, 2, fast finish. Water resistant, easy to use, great for timers. One-year warranty. List \$34.50, TJ's price \$23.95. 1AC12

(B) 705 MAGNUM DUAL DISPLAYS STOPWATCH has an extra-large SPRINT display (to 10 minutes) on lower display, total time (up to 10 hours) on upper display. Time-in/time-out timing, backlight illumination, water-tight construction impact-resistant, 3-year warranty, 3-year battery. List price \$40.50, TJ's price \$28.95 1AC1

(C) 725 MAGNUM DUAL SPLIT STOPWATCH has an extra-large SPRINT display for easy viewing. Dual split, lap split (to 10 minutes), cumulative split (to 24 hours), split-update, one-button rapid split action, backlight illumination, water-tight construction, impact-resistant, 3-year warranty, 3-year battery. List price \$51.95, TJ's price \$36.95 1AC2

(D) 734 TURBO PROJECTED FINISH STOPWATCH is dual split. It features computed projected finish time, computed average lap time, one-button rapid split action, backlight, illumination, water-tight construction, impact-resistant, 3-year warranty, 3-year battery. List price \$69.95, TJ's price \$49.95 1AC5

(E) 760XM 6-MEMORY STOPWATCH is easy to use. Dual split, recalls last 6 dual splits, lap splits up to 1 hour, cumulative splits up to 10 hours, one-button rapid split action, split counter up to 99, review button to fast review, water-tight construction, impact-resistant, 3-year warranty, 3-year battery. List price \$89.95, TJ's price \$66.95 1AC6

(F) 790XM 12-MEMORY STOPWATCH is easy to use. Dual split, recalls last 12 cumulative splits or last 12 lap splits or last 6 dual splits. One-button rapid split action, split counter to 99, review button for fast review, water-tight construction, impact-resistant, 3-year warranty, 3-year battery. List price \$115.00, TJ's price \$82.50 1AC7

(G) 930XP DUAL SPLIT SPORTSWATCH. The heart of the sportswatch of America. This sportswatch has dual split showing lap split (L) and cumulative split (C), one-button rapid split action, 24-hour time-in/time out stopwatch in timer mode, time of day, date, day of week, 24-hour alarm, water-resistance to 100 feet (30m/3ATM). List price \$34.50, TJ's price \$24.95 1AC9

(H) 934 TURBO PROJECTED FINISH SPORTSWATCH has all the features of the 930XP PLUS: computed projected finish time, computed average lap split time. List price \$69.95, TJ's price \$49.95 1AC11

Actual shipping costs will be prepaid and billed after delivery to all net 30 accounts. Individuals who use credit cards or prepay with the order should follow chart on page 24.

TJ's

ANAHEIM, CALIFORNIA DOVER, NEW JERSEY



SWIM & TROPHY

SEOUL



SEOUL



SEOUL



MONTREAL



**#1 ARENA
Dealer
In America**

MONTREAL



MONTREAL



Actual shipping costs will be prepaid and billed after delivery to all net 30 accounts. Individuals who use credit cards or prepay with the order should follow chart on page 24.

HELSINKI



STOCKHOLM



HELSINKI



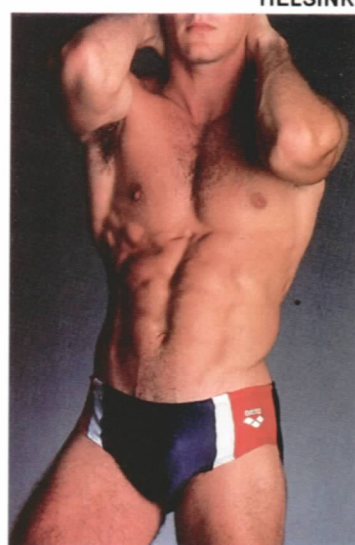
STOCKHOLM



STOCKHOLM



HELSINKI



Arena Price List

Description	List Price	Team Price
MALE NYLON		
<i>(Youth 22-28, Adult 30-38)</i>		
Solid Youth	\$11.50	\$ 8.75
Solid Adult	13.25	10.25
Print Youth	12.00	9.25
Print Adult	13.25	10.25
MALE LYCRA		
<i>(Youth 26-28, Adult 30-36)</i>		
Solid Youth	\$16.25	\$12.50
Solid Adult	17.75	13.50
Panel Youth	17.00	13.00
Panel Adult	18.50	14.25
Print Youth	20.50	15.50
Print Adult	22.00	16.75
Skinfit Youth	25.75	20.50
Skinfit Adult	27.00	20.50
FEMALE NYLON		
<i>(Youth 24-28, Adult 30-40)</i>		
Solid Youth	\$23.50	\$18.00
Solid Adult	26.60	20.50
Panel Youth	25.25	19.75
Panel Adult	27.75	21.25
FEMALE SUPERSTRETCH		
<i>(Youth 24-28, Adult 30-40)</i>		
Solid Youth	\$27.00	\$21.00
Solid Adult	32.75	25.00
Panel Youth	29.00	22.25
Panel Adult	34.75	26.50
Print Youth	35.25	27.25
Print Adult	41.00	31.50
FEMALE LYCRA		
<i>(Youth 26-28, Adult 30-40)</i>		
Solid Youth	\$31.50	\$24.00
Solid Adult	37.00	28.25
Panel Youth	33.25	25.50
Panel Adult	39.00	29.75
Print Youth	40.00	30.50
Print Adult	44.00	33.50
Skinfit Youth	40.00	30.50
Skinfit Adult	44.00	33.50

ROME



ROME



ROME

SEOUL (Page 10)
Black, Royal, Green
ML, FLS

MONTREAL (Page 10)
Black, Navy, Royal
ML, FLS, FSS

HELSINKI (Page 11) Panel Price
Black/Gold, Navy/Red, Green/Gold,
Royal/Navy, Maroon/Gold,
Black/Red, Navy/Gold
ML, FLS,

STOCKHOLM (Page 11)
Black, Royal, Navy
ML, FLS, FSS

ROME (Page 12)
Black, Red, Royal
ML, FLS

PARIS (Page 12)
Black, Navy, Royal, Purple
ML, FLT

BERLIN (Page 13)
Black, Navy, Maroon
ML, FLS, FSS

ORBIT (Page 13)
Black, Navy, Maroon
ML, FLS, FSS



PARIS



PARIS



PARIS

BERLIN



BERLIN



BERLIN



TREMORS (Page 13)
Navy/Red, Royal/Green,
ML, MN,FLS, FSS, FNC

TEAM (Page 13) Panel Price
Royal/Gold, Royal/White,
Black/Gold, Black/Red, Green/Gold,
Green/White, Maroon/Gold,
Navy/White, Navy/Red, Red/White
ML, MN,FLS , FSS, FNC

MN-Male Nylon, ML-Male Lycra, FN-
Female Nylon, FSS-Female
Superstretch, FLS-Female Lycra
Superflyback, FLT-Female Lycra
T-Back, FNC-Female Nylon
Crossover

SIZING

How can you do team suits through
the mail? Simple—we will send you
one suit in every size for try-ons.
When you finish sizing your entire
team call in the totals and we will
ship out your suits right away. Call
for price quote on orders of 50 suits
or more.

Actual shipping costs will be
prepaid and billed after delivery to
all net 30 accounts. Individuals who
use credit cards or prepay with the
order should follow chart on page 24.



ORBIT



TREMORS



TEAM





SKINFIT SPLICE



STAR



HYPER STRIPE



SKINFIT SPLICE (Page 14)

Black/White, Navy/White
ML, FLS

SKINFIT (Page 14)

Black, Navy
ML, FLS

STAR (Page 14)

Black, White, Royal
ML, FLT

HYPER STRIPE (Page 14)

Black, Navy
ML, FLS

MN-Male Nylon, ML-Male Lycra, FN-Female Nylon, FSS-Female Superstretch, FLS-Female Lycra Superflyback, FLT-Female Lycra T-Back, FNC-Female Nylon Crossover

LA BAG

(C) Durable 100% nylon with mesh compartment. Many features including shoulder strap and wet pocket. 12" x 20" Royal or red.

	1-11	12-47	48&up
Plain	\$23.95	\$20.95	\$18.95
Screened	N/A	\$22.95	\$20.95

Shipping \$2.00 first bag, 50¢ for each additional bag.



HEADLINES



HEADLINES



HIND[®]
performance

WE ARE THE #1
HIND SWIMWEAR DEALER
IN AMERICA

Price List

HEADLINES

Male		
	List	Team
Nylon (sizes 22-38)		
Team Hind	\$11.25	\$8.00
Lycra (sizes 24-38)		
Team Hind	15.95	11.00
Splices	18.50	12.50
Print	19.95	13.75
Female		
Nylon (sizes 24-38L)		
Team Hind	23.00	16.00
Lycra (sizes 24-38)		
Team Hind	31.00	21.50
Splices	34.95	23.95
Print	38.95	26.95

SIZING

How can you do team suits through the mail? Simple. We will send you one suit in every size for try-ons. When you finish sizing your entire team call in the totals and we will ship out your suits right away.

SHIPPING

Actual shipping costs will be prepaid and billed after delivery to all net 30 accounts. Individuals who use credit cards or prepay with the order should follow chart on page 24.



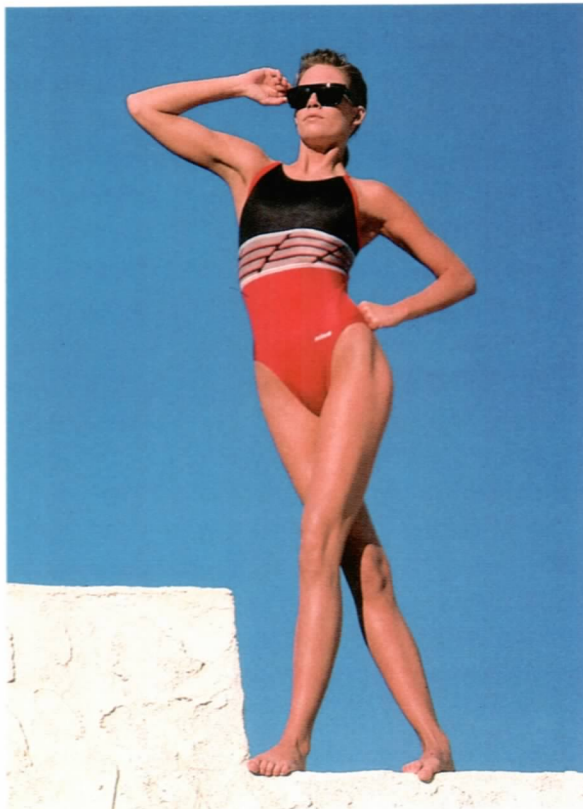


SWIM & TROPHY

IMPULSE



IMPULSE



IMPULSE



HIND[®]
performance

HEADLINES (Page 15)

Cobalt/Scarlet/Gold, Black/Scarlet/Gold, Black/Turquoise/Purple,
Navy/Scarlet/Cobalt

IMPULSE (Page 16)

Black/Scarlet/White, Cobalt/Black/Gold, Navy/Scarlet/Red

REFLEX (Page 17)

Black/Cobalt, Black/Scarlet, Navy/Green

TEAM HIND (Page 18)

Black/Gold, Black/White, Black/Scarlet, Green/Gold, Green/White,
Maroon/White, Navy/Gold, Navy/White, Purple/White, Royal/White,
Royal/Gold, Scarlet/White, Maroon/Gold.

REFLEX



REFLEX

HIND[®]
performance

SPLICE (Page 19)

Cobalt/Black/Scarlet, Cobalt/Navy/Orange, Purple/
Black/Turquoise

GRAND PRIX SPLICE (Page 19)

Black/Scarlet/White, Navy/Electric/White, Navy/Scarlet/
White, Royal/Scarlet/White

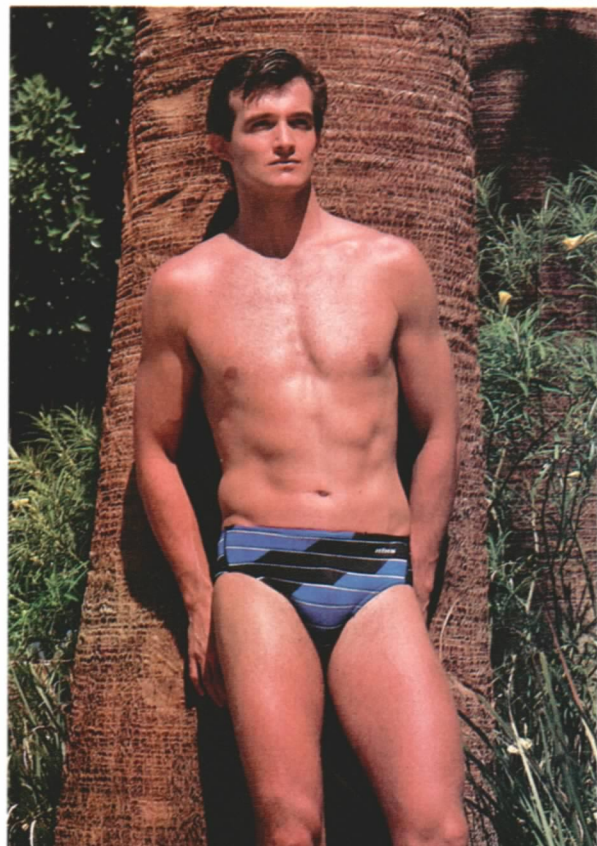
MIRAGE (Page 20)

Black/Electric, Black/Purple, Navy/Green, Navy/Scarlet

CHARDAIS (Page 20)

Black, Maroon, Navy

Team Hind comes in Compyback (with clip). All prints
and splices come in Sprintback (without clip in back).



**WE ARE THE #1
HIND SWIMWEAR DEALER
IN AMERICA**



TEAM TRAVEL BAG

Available in black, gold, navy, royal, scarlet.

- ★ High impact Fast-Tex snaps and fasteners.
- ★ High density oxford nylon.
- ★ Horseshoe top zipper.
- ★ Side and end zippered pockets.
- ★ Custom silkscreening available.

	1-11	12-47	48 and up
Plain	\$21.50	\$18.50	\$16.50
Screened	N/A	20.50	18.50

Shipping \$2.00 first bag, 50¢ for each additional bag.



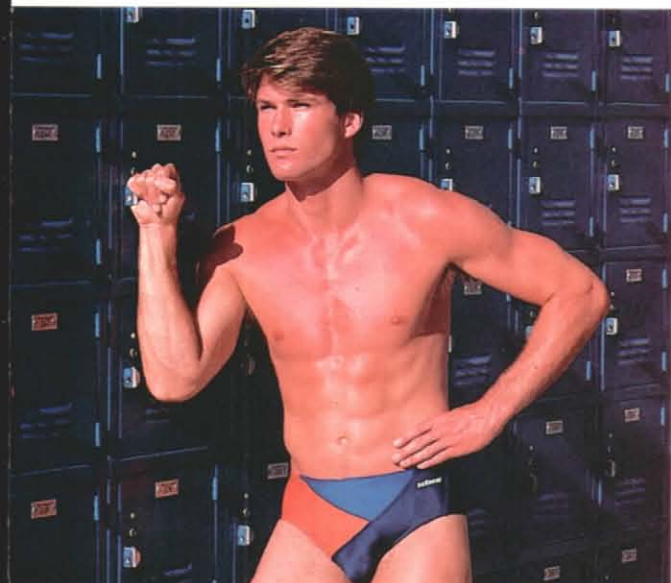
TEAM HIND



You may want to try Hind because of the great price or you may want to try Hind because of the exciting new prints. Hind would like you to try their new suit for the time of your life. It's the fit that counts!



WARM-UPS



SPLICE



SPLICE

SIZING

How can you do team suits through the mail? Simple—we will send you one suit in every size for try-ons. When you finish sizing your entire team call in the totals and we will ship out your suits right away. Call for price quote on orders of 50 suits or more.



GRAND PRIX SPLICE



GRAND PRIX SPLICE

MIRAGE



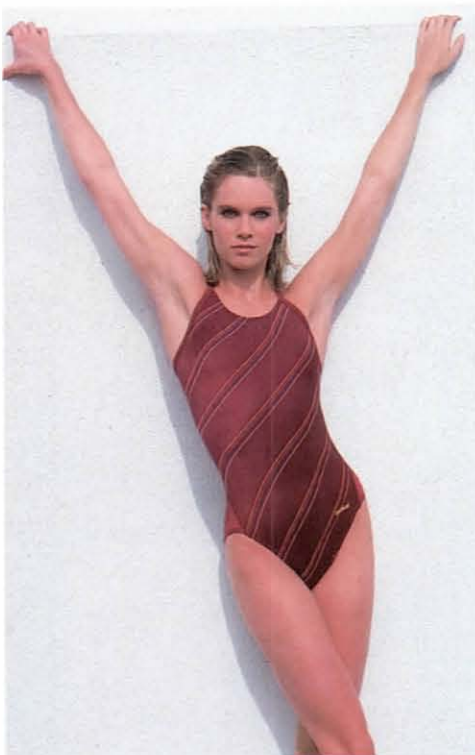
MIRAGE



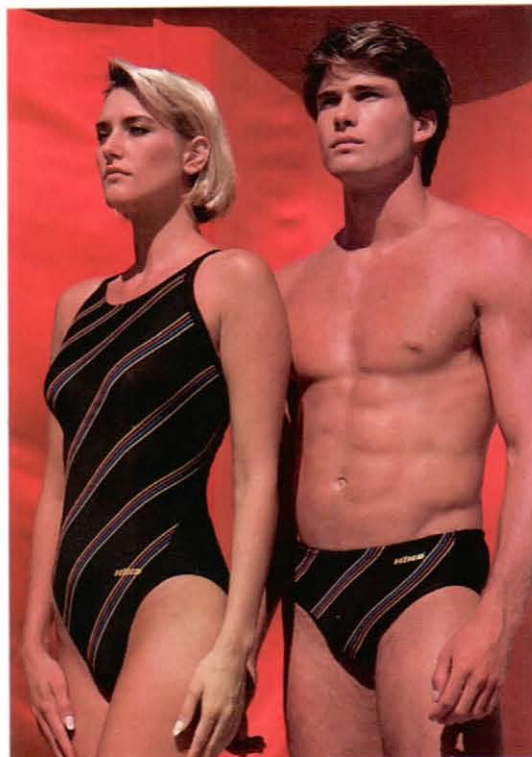
HIND
performance

SIZING

How can you do team suits through the mail? Simple—we will send you one suit in every size for try-ons. When you finish sizing your entire team call in the totals and we will ship out your suits right away. Call for price quote on orders of 50 suits or more.



CHARDAIS



CHARDAIS



CHARDAIS



STARS & STRIPES

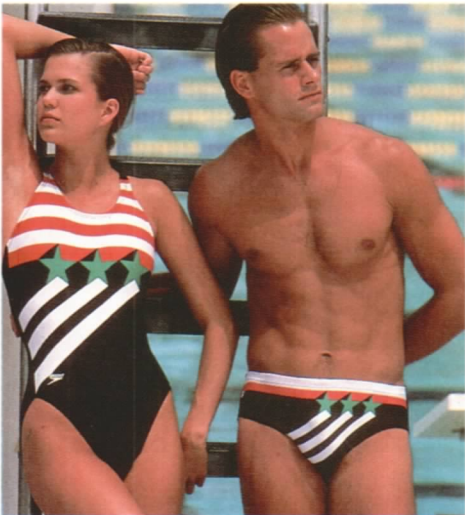


CRAYON STRIPE



CRAYON STRIPE

SYDNEY



STARS & STRIPES

SPEEDO®


**TJ's
SWIM AND TROPHY
IS THE
FASTEST GROWING
SPEEDO DEALER
IN AMERICA**



SPEEDO SPLASH



REGATTA

PACESETTER



LEGENDARY STAR



SPEEDO® 

SIZING

How can you do team suits through the mail? Simple—we will send you one suit in every size for try-ons. When you finish sizing your entire team call in the totals and we will ship out your suits right away. Call for price quote on 50 or more suits.

BAL HARBOUR (Page 28)

Black, Green, Navy, Sapphire
 MN, ML, XBN, XBL

BOLD GEOMETRIC (Page 28)

Black, Scarlet, White, Navy
 MN, ML, XBN, SBL

CLUB STRIPE (Page 27)

Black, Scarlet, White, Navy
 ML, SBL

CONTENDER (Not shown)

Black/Scarlet, Scarlet/White, Navy/
 White, Royal/Gold
 ML, MF, SBL, SBF

CRAYON STRIPE (Page 25)

Black, Scarlet, Navy
 ML, XBL

FINISH LINE (Page 28)

Black, White, Navy, Sapphire
 MN, ML, XBN, SBL

INTERNATIONAL (Page 27)

Black, Scarlet, White, Sapphire
 ML, MF, SBL, SBF

LEGENDARY STAR (Page 26)

Black, Red, White, Sapphire
 ML, MF, SBL, SBF

LIGHTNING BOLT (Page 27)

Black, Navy, White
 ML, SBL



PACESETTER



LEGENDARY STAR

INTERNATIONAL FLAGS



REFLECTION

LIGHTENING BOLT

CLUB STRIPE

INTERNATIONAL FLAGS



MEDALIST (Page 28)
 Black/Scarlet/White, Green/Gold/
 White, Navy/Cool Blue/White,
 Sapphire/Scarlet/White, Navy/Red/
 White
 MN, ML, XBN, SBL

PACESETTER (Page 28)
 Black/Sapphire, Red/White, White/Black
 ML, XBL

RACING STRIPE (Page 28)
 Green, Scarlett, Navy, Royal
 MN, ML, XBN, SBL

REFLECTIONS (Page 27)
 Black, White, Sapphire
 ML, XBL

REGATTA (Page 25)
 Black, Navy, Sapphire
 ML, SBL

MN - Male Nylon
 MF - Male Lustreflex
 ML - Male Lycra
 XBN - Female Nylon Crossback
 SBF - Female Lustreflex Splashback
 XBL - Female Lycra Crossback
 SBL - Female Lycra Splashback

SINGLE PANEL (Not shown)
 Green/White, Cardinal/Gold, Navy/
 White, Navy/Gold, Royal/Gold,
 Royal/White, Scarlet/White
 MN, ML, XBN, SBL

SOLIDS (Not shown)
 Black, Green, Scarlet, Navy, Royal,
 Cardinal
 MN, ML, MF, XBN, SBL, SBF

SPEEDO SPLASH (Page 25)
 Black/Sapphire, Scarlet/White, Navy/
 Turquoise, Sapphire/White
 ML, SBL

STARS & STRIPES (Page 25)
 Black, White, Sapphire
 ML, XBL

SYDNEY (Page 25)
 Black/Teal, Scarlet/Royal, White/
 Scarlet, Navy/Turquoise
 ML, SBL

THE PAPER SUIT (Page 28)
 Black, Navy Call for price quote

VICTORY (Page 28)
 Black, Red, White, Sapphire
 ML, SBL

WAVE LENGTHS (Page 28)
 Black, White, Navy
 ML, MF, SBL, SBF

BAL HARBOUR



BOLD GEOMETRIC



WAVE LENGTHS

SIZING

How can you do team suits through the mail? Simple—we will send you one suit in every size for try-ons. When you finish sizing your entire team call in the totals and we will ship out your suits right away. Call for price quote on 50 suits or more suits.

SPEEDO

Male Nylon

(Youth 24-28, Adult 30-38)

	LIST	TEAM
Solid Youth	\$11.95	\$9.00
Solid Adult	13.75	10.50
Panel Youth	12.75	10.00
Panel Adult	14.50	11.00
Print Youth	14.75	11.50
Print Adult	16.50	12.50

Male Lycra

(Youth 24-28, Adult 30-38)

Solid Youth	16.50	12.50
Solid Adult	18.00	14.00
Panel Youth	18.50	14.00
Panel Adult	19.50	15.00
Print Youth	19.50	15.00
Print Adult	20.95	16.00

Female Nylon

(Youth 24-28, Adult 30-40)

Solid Youth	28.00	20.00
Solid Adult	29.00	22.00
Panel Youth	28.00	21.25
Panel Adult	30.00	22.75
Print Youth	29.00	22.00
Print Adult	31.95	24.25

Female Lycra

(Youth 26-28, Adult 30-40)

Solid Youth	33.50	25.25
Solid Adult	39.00	29.50
Panel Youth	35.25	26.50
Panel Adult	40.00	30.50
Print Youth	37.00	28.00
Print Adult	41.90	31.50

SHIPPING

Actual shipping costs will be prepaid and billed after delivery to all net 30 accounts. Individuals who use credit cards or prepay with the order should follow chart on page 24. Call for price quote on 50 or more suits.

THE PAPER SUIT



VICTORY

FINISH LINE



RACING STRIPE



MEDALIST

MAYA



TROPICAL



TROPICAL





SIZING

How can you do team suits through the mail? Simple. We will send you one suit in every size for your try-ons. When you finish sizing your entire team call in the totals and we will ship out your suits right away.



LIGHTNING



HORIZON

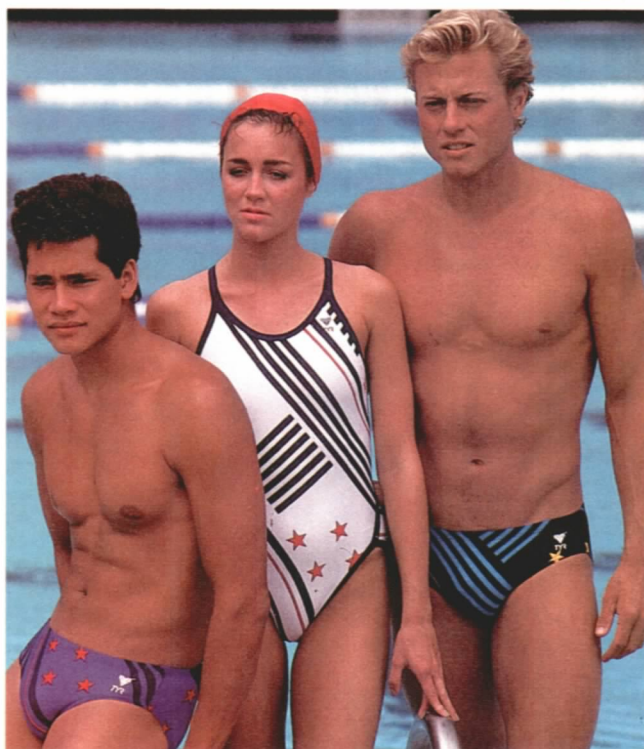
WAVES



STIX



LIBERTY



ANTRON[®]/LYCRA[®]
NYLON SPANDEX

WEDGE SPLICE



HAWAIIAN FLORAL





SPINNAKER



SHARKS

MAYA (Page 29)

Blue/Black, Green/Black, Purple/Black

TROPICAL (Page 29)

Black/Aqua/Lilac, Black/Gold/Orange

LIGHTNING (Page 30)

Black/Electric, Black/Red, Black/Gold, Black/Green

HORIZON (Page 30)

Navy/Royal/Green, Black/White/Red

WAVES (Page 30)

Black/Blue/Red/Gold, Navy/Blue/Red/White

STIX (Page 31)

Navy/Multi, White/Multi

WEDGE SPLICE (Page 31)

Black/Royal/Red, Navy/Royal/White

LIBERTY (Page 31)

Royal/Navy/Red, White/Navy/Red, Black/Turquoise/Gold

HAWAIIAN FLORAL (Page 31)

Black/Royal, Black/Red

SPINNAKER (Page 32)

Black/Red/Silver, Black/Gold/Turquoise

SHARKS (Page 32)

Red/Royal/Navy, Blue/Pink/Navy



MAYA SPLICE

MAYA WAIST SPLICE (Page 32)

Green/Black, Blue/Black, Purple/Black

WAIST STRIPE (Page 32)

Black/Red/Blue, Royal/White/Green



WAIST STRIPE

PALM (Page 33)

Royal/Black, Red/Black

TEAM PANEL (Page 33)

Black/Red, Royal/Gold, Red/White, Black/Gold, Navy/Gold, Royal/White, Navy/White, Green/White

Price List

Description	List Price	Team Price
MALE NYLON		
<i>(Youth 24-28, Adult 30-38)</i>		
Solid Youth	\$12.00	\$ 9.00
Solid Adult	13.75	10.50
Team Youth	13.00	9.50
Team Adult	14.50	11.00
MALE LYCRA		
<i>(Youth 24-28, Adult 30-38)</i>		
Solid Youth	\$16.25	\$12.50
Solid Adult	17.50	13.50
Team Youth	18.00	14.00
Team Adult	19.75	15.00
Print Youth	19.00	14.50
Print Adult	20.50	15.50
FEMALE NYLON		
<i>(Youth 24-28, Adult 30-40)</i>		
Solid Youth	\$23.00	\$17.50
Solid Adult	26.75	20.50
Team Youth	25.25	19.25
Team Adult	28.50	21.75
FEMALE LYCRA		
<i>(Youth 24-28, Adult 30-40)</i>		
Solid Youth	\$29.50	\$22.50
Solid Adult	33.25	25.50
Team Youth	31.50	24.00
Team Adult	36.25	27.75
Print Youth	35.75	27.25
Print Adult	40.75	31.75



TEAM GEAR BAG



TEAM GEAR BAG
List \$17.00
12 or more \$14.50

COACHES CHAIR \$80.00
Free with the purchase of 50 or more TYR suits.



PALM

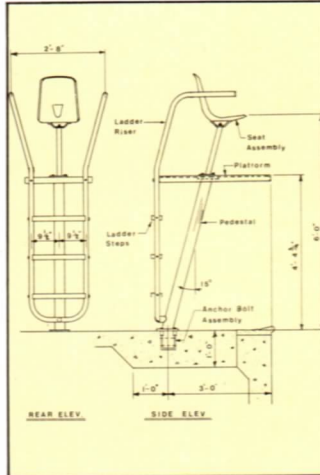
SHIPPING
Actual shipping costs will be prepaid and billed after delivery to all net 30 accounts. Individuals who use credit cards or prepay with the order should follow chart on page 24.

SWIM & TROPHY

PARAFLYTE CLUB



PARAFLYTE CLUB



WHEEL-A-ROUND



PORTABLE



PARAFLYTE CLUB

Acclaimed Paraflyte styling and quality but at a budget price. The platform is fabricated of steel and coated for extra protection, insulation and resistance to skidding. We've simplified anchorage for both pedestal and ladder. \$772.00

WHEEL-A-ROUND MOVEABLE

Ideal solution when a chair is needed at different locations at different times (even to keep the sun out of a lifeguard's eyes!). Rugged, stable, easily moved by one person. Perfect for supervision, instruction, judging. Stainless steel frame with comfortable molded plastic 360-degree swivel seat easily reached by wide front ladder. Semi-pneumatic front wheels roll easily on pool deck, beach or lawn. Available 6 ft. high seat or 8 ft. high seat. 8' \$1641.00; 6' \$1558.00

LIGHTWEIGHT PORTABLE

Weights a mere 70 pounds! Easily lifted by one person. Angled legs gives chair extreme stability. Molded contour seat reached quickly by sloping front ladder. Stainless steel frame. Cycloc non-skid step. Rubber ends on each leg. 6 ft. high seat. \$825.00

Shipping on all Guard Chairs will be prepaid and billed after delivery.



(A) Guard Wind Suit

Comes complete with jacket and pants in RED. (See back cover for description and picture of pants.) Price includes GUARD screened on front panel of jacket. Sizes XS-XL.
1-11 \$44.95
12 and over 41.95

(B) Breaker Short

Available in black, scarlet, navy. Sizes XS-XL. List \$19.95, 6 or more \$15.95.

(C) Female Lycra Klassic

Available in black, scarlet, navy. Sizes 32-44. List \$29.95, 6 or more \$23.95.

(D) Sportliner

Available in black, scarlet, navy. Sizes XS-XL. List \$11.95, 6 or more \$8.95.

Actual shipping costs will be prepaid and billed after delivery to all net 30 accounts. Individuals who use credit cards or prepay with the order should follow chart on page 24.

SPEEDO®

LIFEGUARD



Speedo Suits Guards

WOMEN'S GUARD SUIT

(A) 100% stretch nylon combines a great fit with great durability even in heavily chlorinated water. Available in red or navy. Sizes: 32-42. List \$33.00 each, 6 or more \$24.95 each.

MEN'S GUARD SUIT

(B) Great for Coaches and Lifeguards or even casual wear. 65% polyester, 35% cotton, nylon liner, drawstring, and two deep pockets. Dries quickly. Available in red, navy, black. Sizes: XS-XL. List \$17.00 each, 6 or more \$13.00 each.

GUARD SHIRT

(C) White shirt with red trim and red lettering. Made of the highest quality 50/50 blend. Sizes: S-XL. List \$4.50 for each, 6 or more \$3.95 each.

GUARD VISORS

White visor with GUARD imprinted in red. Adjustable back—one size fits all. List \$3.95 each, 6 or more \$3.25 each.

GUARD PATCHES #1 EE 1

(I) 1 3/4 x 6 3/4 (not pictured) embroidered patch. Blue trim with red lettering. 12 or more 80¢ each.

BULL HORN #1 PA 1

(F) 10 watts output, range 800 yards, batteries not included. Price \$115.00, 3 or more \$99.95 each.

METAL WHISTLES #1 DC 1

(G) Acme Thunderer, the most popular whistle in America. 12 or more \$2.25 each.

LANYARDS #1 DC 1

(H) Woven lanyard, assorted colors. 12 or more 80¢ each.

GUARD SUITS SIZE CHART

FEMALE

5-6 = 30
7-8 = 32
9-10 = 34
11-12 = 36
13-14 = 38
15-16 = 40
17-18 = 42

MALE

XS = 28-30
S = 30-32
M = 32-34
L = 36-38
XL = 40-42



Actual shipping costs will be prepaid and billed after delivery to all net 30 accounts. Individuals who use credit cards or prepay with the order should follow chart on page 24.



HIND's heavy-duty nylon suit has been a standard in the industry. It now comes with the patented H₂O logo to give your players the identity they look for. Available in team color combinations. List \$14.00 ea., Team Price \$10.00 ea.

SPEEDO's anti-grab surface on their new polo suit is polyester slick. Available in Black, Scarlet, White, Navy and Electric Blue. Sizes 28-40. List \$18.00 ea., Team Price \$13.50 ea.

ARENA's Rubberized suit is as durable as any suit made today. Available in White and Royal. List \$26.60 ea., Team Price \$19.95 ea.

MIKASA WATER POLO BALL
Official ball of the Olympics. Approved by U.S. Water Polo, NCAA and FINA. List \$22.95 ea., 6 or more \$19.95 ea.

MIKASA JR. POLO BALL
Great for womens polo or for your Jr. development leagues. List \$22.95 ea., 6 or more \$19.95 ea.

WATER POLO SCOREBOOK
List \$7.95 ea.

WATER POLO CLOCKS

35 Second Shot Clock \$875.00 ea.
Includes two displays and control box.

4 Digit Count Up-Count Down \$875.00 ea.
Includes control box.

5 Digit Scoreboard 56S \$485.00 ea.
Includes control box.



WATER POLO CAPS & ACCESSORIES

Combat Nylon Cap \$13.00
Black, Green, Navy, Royal, Scarlet, White, Quartered

Tricot Nylon Cap \$12.00
Black, Green, Navy, Royal, Scarlet, White, Quartered

2" Letters \$0.70
Black, Green, Navy, Royal, Scarlet, White, Gold

3" Letters \$1.25
Black, Green, Navy, Royal, Scarlet, White, Gold

Braid \$1.25
Black, Green, Navy, Royal, Scarlet, White, Gold

Earguards \$4.50
Royal, Scarlet, White (Pair)

Extra Snap Fasteners \$0.80
Package of 12

Practice Caps \$7.50
Assorted Colors & Numbers (Cannot specify colors)

Practice Earguards \$1.00
Off-color (Does not include snap fasteners) (Pair)

Collegiate Flag Set \$53.00
Black, Green, Navy, Royal, Scarlet, White

Ref-Tourney Set \$41.00
Set contains 6 assorted flags and 1 pole

Desk Flag & Pole \$7.50
Royal, Scarlet, White

Extra Collegiate Flag \$6.00
Black, Green, Navy, Royal, Scarlet, White

Extra Collegiate Pole \$7.50

Pool Equipment



THE WALL GOAL #645

The wall goal is made to the same high standards as the floating goal, with a canvas net. The goal is anchored into the deck of the pool, suspended over the pool surface. We make goals for deep and shallow ends. This popular fixed goal is used all over the world. Model #645 \$725.00
Rear Anchors \$115.00

THE FLOATING GOAL #608

The finest floating goal available; selected for 1972, 1976 and 1980 Olympics, 1973 and 1975 World Championships, and many more prestigious events. The front frame is custom made of 3"x2" aluminum supported by 1 1/4" polished pipe, durable, robust and corrosion resistant. The floatation unit is of heavy-duty fiberglass filled with high density Ethafoam.

Model #608 \$725.00

Model #570 Anchor Ropes \$130.00
(Not pictured)

All Paraflyte diving towers are designed for diving boards 14' or 16' in length.

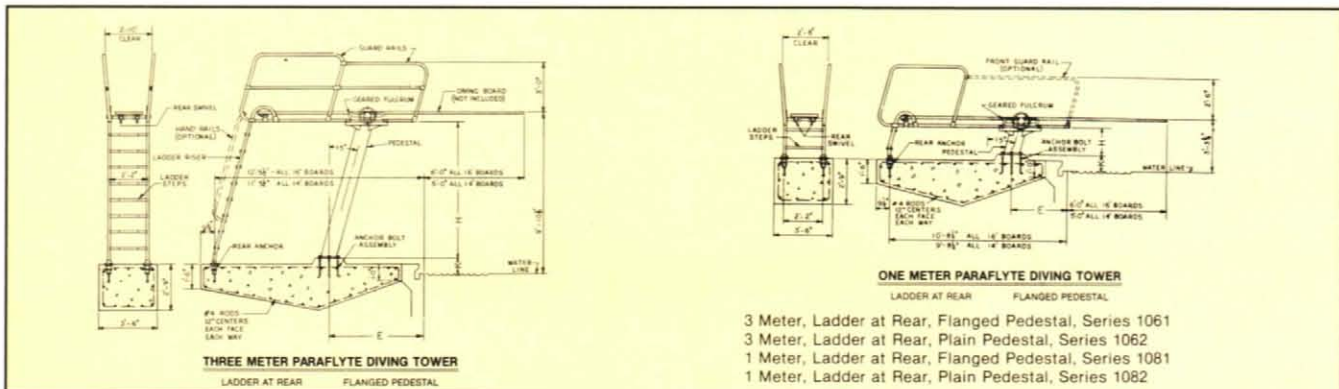
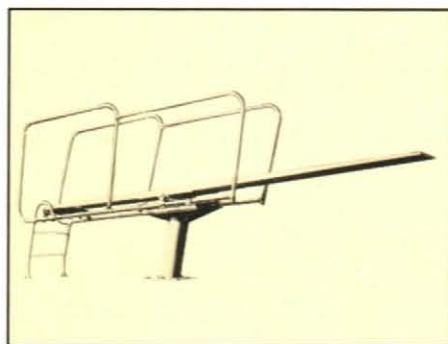
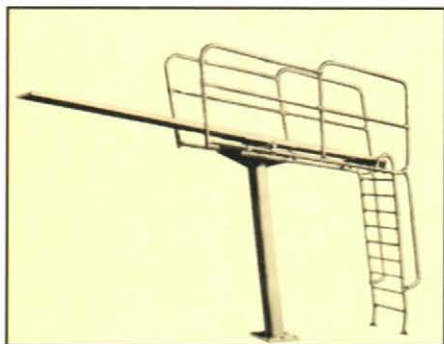
Each tower is furnished complete with pedestal, front anchor, rear anchors and fulcrum. These can be varied to suit specific job requirements or specifications. Some changes can be made without additional expense, but some may involve extra cost. Optional railings may also be added to some models.

Our best selling, general purpose model, suitable for competition and larger commercial or institutional pools. May be installed outdoors or indoors. Available with flanged or plain pedestal. Includes geared adjustable fulcrum and rear swivel.
3 Meter \$4803.00
1 Meter 2693.00

Specification Sheets:

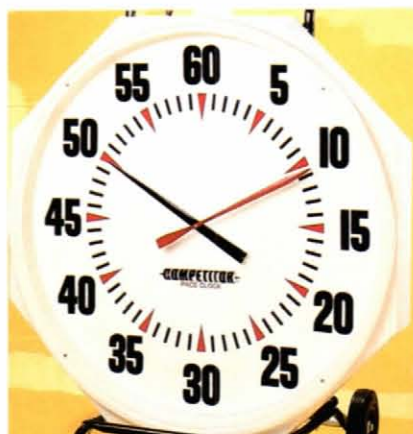
3 Mtr., flanged pedestal	Dwg. 10.05
3 Mtr., plain pedestal	Dwg. 10.07
1 Mtr., flanged pedestal	Dwg. 10.09
1 Mtr., plain pedestal	Dwg. 10.11

Caution—Diving equipment here should be used only on pools that conform to state or local codes, NCAA, USS or FINA standards. These specify minimum dimensions for depth of water, length and shape of diving hopper, location of diving boards with respect to side and vertical clearances, etc. A chart showing these recommended minimum dimensions is available upon request.



PARAFLYTE

Individual specification sheets are available for all models. Each sheet contains specifications, details, dimensions and a drawing to scale, suitable for tracing or reproduction. Request specification sheets by page numbers shown.



PACE CLOCKS

(A) Competitor 31" comes battery or electric. The new octagonally shaped pace clock is engineered for optimum visibility at great distance. The minute and second hands are made of rustproof, tempered aluminum and are easily visible through a clear plexiglass lens. The clock body is made of durable, heat resistant polyethylene.

Battery model #200-300 \$161.00
 Electric model #200-302 161.00
 Roll away stand #200-305 41.00



(B) Competitor 15" battery pace clock provides high visibility on a convenient, portable size and has the same great features as 31" model.

Red clock #200-400 \$90.00
 White clock #200-405 90.00

31" PACE CLOCK PARTS

Clock Motor (Battery) \$27.75
 Clock Motor (Electric) 34.00
 Second Hand 6.25
 Minute Hand 6.25



KIEFER STARTING BLOCKS

(C) The new competitor starting block from Kiefer McNeil is the ultimate in functional design, strength and durability. Constructed of the finest heavy-duty crosslink polyethylene, it will not chip, fade or rot, and resists mildew and fungus. For maximum safety, four stainless steel anchoring supports, complete with installation hardware are included. These starting blocks meet NCAA and AAU specifications. Can be trimmed to fit pool edge or be anchored to deck. Can be numbered also. Red, white and blue.

22" \$200.00
 30" 212.00



COMPETITOR RACING LANES

(D) Kiefer McNeil racing lanes are shipped assembled ready for you to put right into the pool. All lanes are available in 5 stock colors (white, red, blue, green and yellow). Custom colors are available for an additional cost of \$70 per color (brown, black, light blue, maroon, orange, and purple). Each lane has 15 feet of solid color at each end and alternating one foot segments in the middle.

	1-2	3-5	6&UP
60 ft. (#200-329)	\$170	\$157	\$150
25 yd. (#200-330)	215	196	188
25 m. (#200-331)	240	218	210
50 m. (#200-332)	430	388	373
25 m/disconnect	300	271	260
50 m/disconnect	490	446	428

RACING LANES REPLACEMENT PARTS

Ratchet tightener take-up reel
 #200-200 \$26.00
 SS Tension spring end cable lock
 #200-201 11.00
 Ratchet six point take up wrench
 #200-202 10.50
 Competitor body segment
 #200-34740
 Competitor end segment
 #200-34840
 Competitor donut float
 #200-34940
 Multiple lane brackets
 #200-245 55.50
 All items shipped within four working days.



STOR LANE REEL

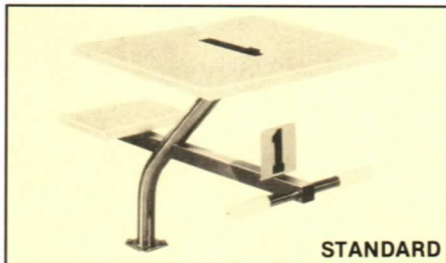
(E) Holds seven 75 foot lanes, six 25 meter or three 50 meter competitor lanes, easy rolling caster wheels with locking features. Heavy-duty construction (comes unassembled). Adds years of life to your racing lanes.
 68 1/2" L x 46" W x 3/4" H (#200-350) \$475.00
 With purchase of swim lanes \$456.00

STOR LANE REEL COVER

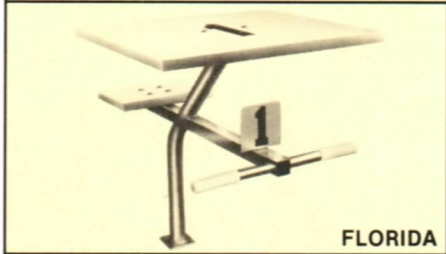
(F) Heavy duty navy blue vinyl shields racing lanes from sun and keeps them clean and dust free during storage. A must with all Stor Lane Reels.
 (#200-351) \$ 70.00

SHIPPING

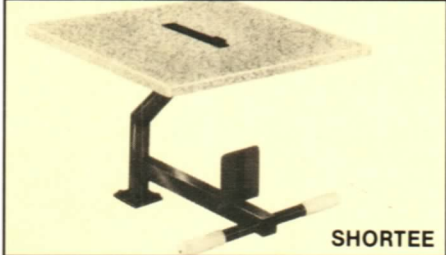
On all Competitor products, shipping will be prepaid and billed to the customer after delivery. Please allow for actual shipping.



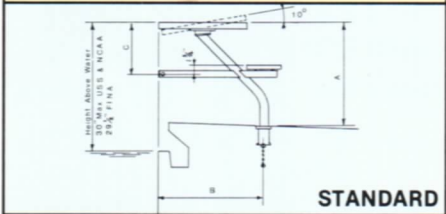
STANDARD



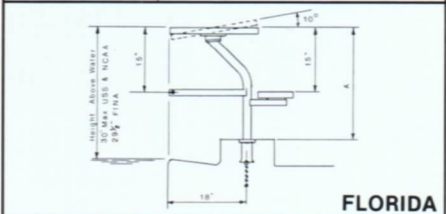
FLORIDA



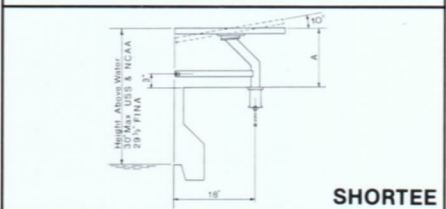
SHORTEE



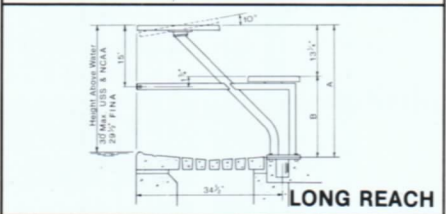
STANDARD



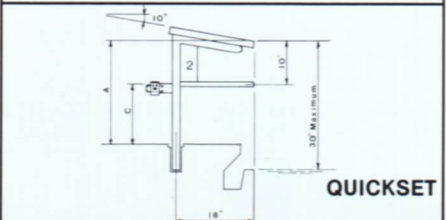
FLORIDA



SHORTEE



LONG REACH



QUICKSET

PARAFLYTE STARTING PLATFORMS

Universally acclaimed by coaches and competitive swimmers. Its graceful design and functional stability matches the styling of other Paraflyte equipment. Reversible top platform may be set either level or tilted 10° toward pool.

STANDARD #PG2

Your first choice for all pools. If the Standard cannot be used, because of special conditions, look to one of the three styles shown below. List \$674.00, 4-6 \$463.00, 7&up \$446.00.

LONG REACH #PG4

Designed specifically for deck level pools with wide gutter or overflow trenches. List \$916.00, 4-6 \$630.00, 7&up \$607.00.

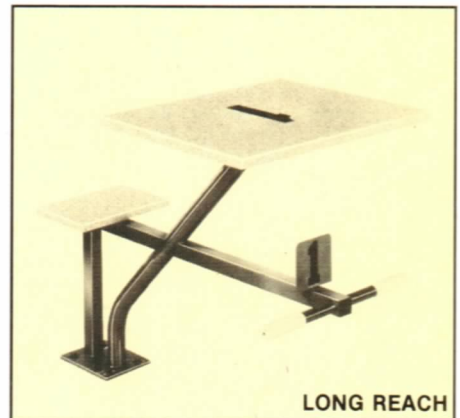
FLORIDA #PG3

Designed to be set atop a curb adjacent to the gutter. Can also be used if anchor must be closer to the pool than provided for by the Standard Platform. List \$674.00, 4-6 \$463.00, 7&up \$446.00.

SHORTEE #PG1

If the deck to water dimension exceeds 12", the platform will be 18" or less above deck. Therefore no intermediate step is necessary and has been omitted. List \$473.00, 4-6 \$325.00, 7&up \$313.00.

Shipping will be prepaid and billed to the customer after delivery on all Paragon products.



LONG REACH



QUICKSET

QuickSet #PG8

Our newest easy in-easy out platform. Sits firmly on two stainless steel legs. Removes quickly for safety and storage when not in use. List \$966.00, 4-6 \$664.00, 7&up \$640.00.

Identification Numbers					A	B	C	
Standard	Florida	Shortee	Long Reach	Quickset		Standard Only	Standard	Florida
			22401		31			
			22402		30 1/2			
22101			22403	23001	30	26	14 1/2	
22102			22404	23002	29 1/2	26	14	
22103			22405	23003	29	26	14	
22104			22406	23004	28 1/2	26	13	
22105	22901		22407	23005	28	26	13	17
22106	22902			23006	27 1/2	26	13	17
22107	22903			23007	27	26	12	16
22108	22904			23008	26 1/2	26	12	16
22109	22905			23009	26	26	12	16
22110	22906			23010	25 1/2	26	12	15
22111	22907			23011	25	26	11	15
22112	22908			23012	24 1/2	25	11	15
22113	22909			23013	24	25	11	15
22114				23014	23 1/2	24	11	
22115				23015	23	24	10	
22116				23016	22 1/2	23	10	
22117				23017	22	23	10	
22118				23018	21 1/2	23	10	
22119				23019	21	23	9	
22120				23020	20 1/2	23	9	
22121				23021	20	23	9	
22122				23022	19 1/2	22	9	
22123				23023	19	22	8	
22124				23024	18 1/2	22	8	
22125	22920			23025	18	21	8	
22126	22921			23026	17 1/2	21	8	
22127	22922			23027	17	21	8	
	22923				16 1/2			
	22924				16			
	22925				15 1/2			
	22926				15			
	22927				14 1/2			
	22928				14			
	22929				13 1/2			
	22930				13			
	22931				12 1/2			
	22932				12			



(A)

BLACKSTROKE FLAGS #1TW1

(A) Lightweight plastic, 120 feet, multi-colored lines only. List \$13.95 ea., 3 or more \$12.95 ea.

HAND PADDLES

	List	12 or More
(B) TYR Paddles (s-m-l)	\$6.00	\$4.00
(C) Speedo Paddles (xs-s-m-l)	6.00	5.00
(D) Leader Hand Paddles (Jr.-Sr.)	6.00	5.00
(E) Leader Finger Paddles (Jr.-Sr.)	5.50	4.50
(F) Leader Arm Paddles (Jr.-Sr.)	5.50	4.50

SWIM FINS

(G) Superior quality fin xs (1-3), sm (3-5), m (5-7), lg (7-9), xl (9-11), xxl (11-13). List \$14.95 ea., 6 or more \$11.95 ea.

PULL BUOY

(H) List \$5.00 ea., 12 or more \$3.75 ea.

COMPETITOR LEG FLOATS

(I) List \$4.50 ea., 12 or more \$3.50 ea.

HIND LAP COUNTER

(J) List \$30.00 ea., 6 or more \$24.95 ea.

FLASH CARDS

(K) List \$8.95 ea., 12 or more \$7.95 ea.

DIVING CALCULATOR

(L) \$3.50 ea.

SWIMINAR SCOREBOOK

(M) List \$7.95 ea.

COMPETITIVE SWIM MANUAL

(N) By Dr. James Counsilman. List \$21.50 ea.

SWIMMING FASTER

(O) By Ernest Maglischo. List \$24.50 ea.

GETTIN BETTER VIDEO

(P) By John Naber. List \$47.95 ea.

PARENT, COACH & ATHLETE

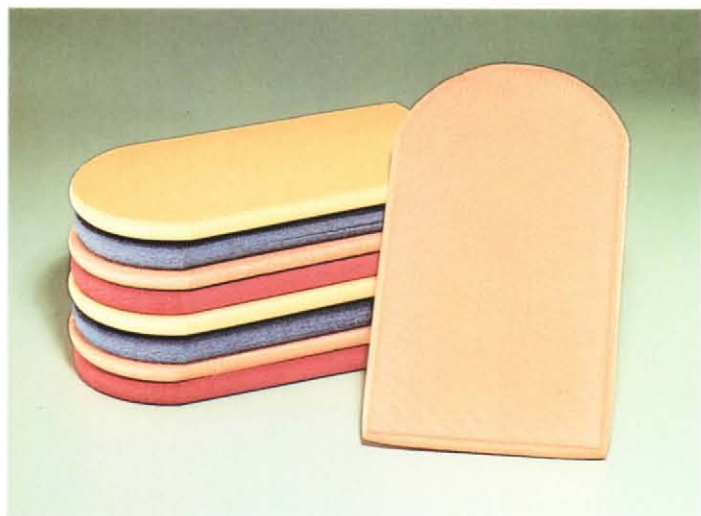
(Q) By John Leonard. List \$8.00 ea.

TRAINING GAMES & GIMMICKS

(R) By Bob Steele. List \$5.00 ea.

Actual shipping costs will be prepaid and billed after delivery to all net 30 accounts. Individuals who use credit cards or prepay with the order should follow chart on page 24.





WATER WONDER KICKBOARDS

The staple in the industry. A 21"x12"x1½" board of durable material, eliminating rot and breakage, with a non-slip surface. Available in Blue, Red, Orange and Yellow. List \$8.00 ea., 12 or more \$5.50 ea.



KICKBOARD #1K830

Made of Lt. Blue ethafoam, this shock absorbent material is nearly indestructible. Closed cell construction allows no intake of water. List \$6.00 ea., 12 or more \$4.25 ea.



Accessories

ULTRA SWIM PRODUCTS

Item	Ind.	Case
16 oz. Shampoo #4SH2	\$7.50	\$5.25
16 oz. Conditioner #4CO2	7.50	5.25
8 oz. Shampoo #4SH1	4.50	3.00
8 oz. Conditioner #4CO1	4.50	3.00
Soap #SO1	2.50	1.75

THE SAMMY

Looks, feels and works like a chamois—but it's not. Tough polyvinyl absorbs water faster than a towel. Available in aqua and blue. \$8.95 each, 12 or more \$6.95 each.

SWIMMERS EAR

Drops for the prevention of swimmers ear. List \$2.50 ea., 12 or more \$1.95.

Actual shipping costs will be prepaid and billed after delivery to all net 30 accounts. Individuals who use credit cards or prepay with the order should follow chart on page 24.



Swim Caps

LATEX CAPS



LATEX CAPS #3LA

A swim cap designed with corrugated edge for extra strength and better fit. Colors: Yellow, Black, Navy, Royal, Lt. Blue, Red, White, Green, Orange. List price \$1.50 ea., 12 or more \$0.95 ea.

LYCRA CAPS #3LY

By Hind Wells. It's lightweight and comfortable because the fabric breathes and conforms for smooth fit. Colors: Navy, Scarlet, White, Yellow, Royal. List price \$5.00 ea., 12 or more \$3.25 ea.

SILICONE CAPS #3SI

By Speedo. Silicone combines durability with a sleek fashionable look. List price \$8.00 ea., 12 or more \$5.75 ea.

LYCRA CAPS



SILICONE CAPS



HEAVY DUTY LATEX CAPS #3HDW

Heavy duty, long-wearing rubber cap. Shaped to fit. A big favorite of lap swimmers. White only. List price \$2.50 ea., 12 or more \$1.45 ea.

USA SWIMMING CAPS #1TJ4

White latex cap with Navy/Red imprint. List price \$2.50 ea., 12 or more \$1.75 ea.

BLACK FLAG CAPS #1TJ6

Black latex cap with Navy/Red/White American flag screened on both sides. List price \$2.50 ea., 12 or more \$1.75 ea.

Actual shipping costs on all caps and goggles will be prepaid and billed after delivery to all net 30 accounts. Individuals who use credit cards or prepay their orders should follow chart on page 24.

Goggles



DELUXE



SUPER DELUXE

(A) DELUXE

Standard goggle with low drag design. Available in Clear, Blue and Smoke. List price \$4.00 ea., 12 or more \$1.50 ea.

(B) SUPER DELUXE

Ultra-wide vision with color-coordinated seal and head band. Available in Clear, Blue, Yellow and Smoke. List \$4.50 ea., 12 or more 2.50 ea.



SUPER PRO



HIND ULTRASPEED

(C) SUPER PRO

Bug eye lens, color coordinated head band, gasket and clip lock buckle. Available in Clear, Blue, Amber and Smoke. List \$4.50 ea., 12 or more \$2.50 ea.

(D) HIND ULTRASPEED

Ready to assemble, sleek lenses that help reduce drag. Available in Clear, Blue, Smoke and Amber. List \$4.00 ea., 12 or more \$1.95 ea.



HIND COMPY



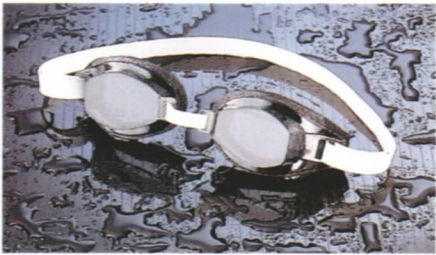
HIND ELITE

(E) HIND COMPY

The ever-popular goggle with lower profile for less drag. Available in Clear, Blue, Smoke and Amber. List price \$4.50 ea., 12 or more \$2.50 ea.

(F) HIND ELITE

New and improved goggle with wide-angle elliptical, non-fog lenses. Available in Clear, Blue, Smoke and Green. List \$6.00 ea., 12 or more \$3.75 ea.



SPEEDO SPRINT



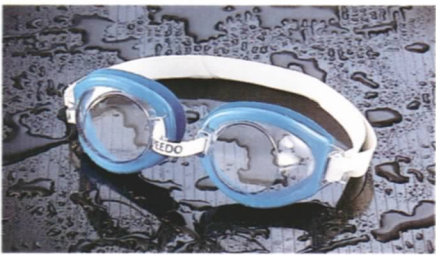
SPEEDO JR. PRO

(G) SPEEDO SPRINT

Great goggle for youth or adult. Available in Clear, Blue and Smoke. List \$4.50 ea., 12 or more \$2.95 ea.

(H) SPEEDO JR. PRO ANTI-FOG

The Pro design in a popular youth model. Available in Clear, Blue and Smoke. List \$6.00 ea., 12 or more \$3.75 ea.



SPEEDO PRO PLUS ANTI-FOG



TYR RACE TECH

(I) SPEEDO PRO PLUS ANTI-FOG

T-slot adjustment with hypo-allergenic rubber seal. Available in Clear, Blue and Smoke. List \$6.00 each, 12 or more \$3.95 each.

(J) TYR RACE TECH

Contour headstraps with leak-proof seal. Available in Clear, Blue and Smoke. List \$6.00 ea., 12 or more \$3.25 ea.



TYR HYDRO TECH



ARENA PRO ANTI-FOG

(K) TYR HYDRO TECH

Revolutionary hydrodynamic design minimizes water resistance. Available in Smoke. List \$12.00 ea., 12 or more \$10.00 ea.

(L) ARENA PRO ANTI-FOG

The ever-popular pro goggle now offered in anti-fog. Available in Clear, Blue and Smoke. List price \$6.00 ea., 12 or more \$3.75 ea.

Warm Up

(A) Hind combines style with comfort at an affordable price. Available in black/red, navy/white, navy/gold, royal/white, royal/gold, red/white, maroon/white and maroon/gold.

List price .. \$85.00 24-47 57.00
12-23 60.00 48 or more . \$54.00

Shipping 75¢ per warm up.

Price includes full screen on back or up to three 3" sew on letters. Additional letters 95¢ each. Available in XXS for even the youngest age group swimmers. Full size run available from XXS thru XL.

SERVICE IS OUR BIGGEST ASSET. CALL TOLL FREE FOR WARM UP SAMPLES TO TRY ON FOR SIZING.

Windsuit

(B) Available in black/white, gold/white, royal/white, scarlet/white, navy/white, silver/white. Unisex sizes XS-XL. Lightweight, tightly woven 100% nylon taffeta for durability and windproofness. Half-zippered jacket has stand-up collar, mesh lines vented back, detachable hood, and drawstringed waist for superior comfort and fit. Front patch pocket for convenience. Pants have zippered legs (set-up for ease in alterations) and drawstringed waist for better fit. The white accent panel encircles the jacket and provides an excellent area for team screen printing front and back.

List price .. \$59.95 24-47 39.95
6-11 44.95 48 or more . 37.95
12-23 41.95

Price includes screen (1-color) on front panel.

Shipping 75¢ per windsuit.

Nylon Custom Banners

(C) Available in 23 different colors of Nylon. Price includes first 10 letters. Each additional letter add \$2.00 per letter. For border add \$1.50 per foot. Logos and special letters require additional work and are priced accordingly. Call for a price quote.

2x3	3x5	4x6	5x8
\$55.00	\$80.00	\$110.00	\$140.00

Shipping \$3.00 per banner.



Free Banner (With purchase of 48 or more warm ups).



PRICE \$1.00

Easternmost In Quality

Eight junior national records were set at this year's NJO-West and NJO-East meets with a decided advantage to swimmers from the East. Not only did Eastern swimmers set six national marks, but they also turned in faster times in 22 of 36 events.

Three-dozen Pine Crest swimmers descended on the Hall of Fame Pool Aug. 11-15 from their crosstown headquarters in Fort Lauderdale, Fla., and walked away from the five-day event with their first triple crown in Junior Nationals-East competition.

Out on the Pacific coast the very same week, NJO-West teams were in contention for the men's, women's and combined team titles, however, the honors were split. The overall crown went to Mission Viejo, the men's team title was captured by Irvine Nova and the women's race was won by Conejo Simi.

A total of eight national records fell on both coasts (six in the East plus a regional record). Three of the Eastern marks tumbled with the help of the unstoppable men freestylers of Pine Crest. Of eight possible freestyle events (relays included), seven saw the men in green and white atop the winners stand.

"It was our best junior nationals ever," Pine Crest coach Gary Butts said. "It certainly more than lived up to team goals we set earlier in the season; it went way past them. We had never won the boys part of that meet and found that that one thing pulled everybody together. The girls wanted to keep track of their wins (this was their third consecutive). Once the guys got going, everybody else just joined in."

The momentum picked up speed with David Monasterio leading the pack of Pine Crest men with three golds, including the 200 and 1500 frees and a hand in a national mark in the 800 free relay.

Monasterio won the 200 with a 1:55.27, barely ahead of teammates Steve Bigelow (1:55.32) and Matt Shenker (1:55.35).

Of the three Pine Crest men, only Monasterio went faster in the 200 ►

Comparison of Junior Olympic Records—Women

Event	'87 NJO East Champion	NJO East Record	'87 NJO West Champion	NJO West Record
50 Free	Leslie Seward Wilton Y 27.21	Grace Cornelius Suburban 26.53 (1985)	Megan Oesting Chinook 27.04	Nancy Knauer Mach III Flyers 26.81 (1985)
100 Free	Melanie Morgan Pittsburgh 58.45	Debbie Kinsley SwimAtlanta 57.55 (1986)	Megan Oesting Chinook 57.99	Marti Robinson Buena 57.00 (1984)
200 Free	Erin Jones Curl 2:05.46	Dana Anderson Bolles School 2:03.63 (1983)	Shauna MacEwen Conejo Simi 2:06.70	Cheryl Simmons Las Vegas Y 2:03.89 (1985)
400 Free	Christy Campbell Nashville 4:20.68	Susan Suwalski Pine Crest 4:18.90 (1986)	Joyce Lightfoot Fullerton 4:21.34	Cheryl Simmons Las Vegas Y 4:18.50 (1985)
800 Free	Christy Campbell Nashville 8:56.85	Bridgett Bowman Joliet Y Jets 8:50.88 (1983)	Shauna MacEwen Conejo Simi 8:53.87	Sheri Smith Industry Hills 8:49.74 (1985)
1500 Free	Jane Skillman Peddie 16:55.64	Jane Coontz Evansville, S.C. 16:48.04 (1980)	Kim Martin Fullerton 17:06.27	Julie Martin Cypress 16:52.86 (1983)
100 Back	Jenny Higgins Pine Crest 1:05.50	Ginger Faerber Carmel 1:05.05 (1986)	Kristina Stinson Space City 1:06.68	Jodi Wilson City of Plano 1:05.67 (1986)
200 Back	Jenny Higgins Pine Crest 2:20.29	Kristen Linehan Sarasota 2:18.79 (1985)	Kristina Stinson Space City 2:21.41	Jody Smith Palm Springs 2:20.30 (1983)
100 Breast	Tori DeSilva Unat., Syracuse 1:14.38	Brooke Hanley Sharks 1:13.15 (1985)	Laura Grimes Alamo Area 1:16.04	Michelle Couture Sugar Creek 1:13.48 (1986)
200 Breast	Anne Koerckel Bernal's Gator 2:41.16	Beverly Acker Cape Coast, S.C. 2:38.85 (1981)	Candice Fuller City of Plano 2:40.97	Andrea Ciro Cypress-Fairbanks 2:40.26 (1986)
100 Fly	Barb Pranger Coho 1:02.39**	Kristen Stoudt Lake Forest 1:02.69 (1986)	Karen Lille Buena 1:04.33	Andrea Niedermeyer City of Plano 1:02.90 (1986)
200 Fly	Angie Fariss RVAA 2:17.44	Kara McGrath Birmingham Bloom. 2:15.90 (1980)	Courtney Lowe Conejo Simi 2:18.68	Sue Bartholomew Beach 2:17.11 (1984)
200 IM	Julie Terrill SwimAtlanta 2:21.21**	Sue Heon Pittsburgh 2:21.86 (1979)	Jill Barber Sugar Creek 2:23.98	Garland O'Keefe Sugar Creek 2:22.66 (1985)
400 IM	Julie Terrill SwimAtlanta 4:58.60**	Lisa Maximo Suburban 4:59.38 (1986)	Karen McClure Clayton Shaw Park 5:01.21	Andrea Ciro Cypress-Fairbanks 4:59.41 (1986)
400 MR	Pine Crest 4:27.90	Pine Crest 4:25.00 (1985)	Clayton Shaw Park 4:32.09	City of Plano 4:26.98 (1986)
400 FR	Berkeley Aquatic 3:57.04	SwimAtlanta 3:56.39 (1985)	Riverside 3:59.60	Mach III Flyers 3:59.01 (1986)
800 FR	Sarasota Y 8:34.29	Pine Crest 8:32.58 (1985)	Conejo Simi 8:38.34	Industry Hills 8:32.74 (1985)

** National NJO Record

* Regional NJO Record

Note: The NJO-East record is also the national NJO record in all events except for the 100, 400 and 800 frees.

Junior Nationals

finals. With the times Bigelow and Shenker swam in the morning (1:54.52, 1:54.94), they would have hit first and second in finals, putting Monasterio third.

In the 1500, Monasterio and teammates Bigelow and Mark Mulligan swept the top three spots again with just 14-hundredths separating first and third places. Butts said he was not surprised at their times

(15:59.68, 15:59.75 and 15:59.92, respectively), however, he said he was unaware that the three were in different heats and turned in practically identical times.

"The 1500 was probably the most amazing race," Butts said. "To have three guys from the same team in three separate heats and end up right on top of each other's times . . . that was incredible. They all train in the

same lane but all of them are not primarily freestylers. One of them is a backstroker and they all swim different events."

Pine Crest put five men in the top eight of the 800 with Matt Stahlman finishing first in 8:19.21, Bigelow next at 8:21.15, Mulligan fourth, Shenker fifth and Todd Lang seventh. Four of those five took first through fourth in the 400, but this time Bigelow was in the limelight with the gold and a new national record of 4:00.40. Mulligan, Lang and Monasterio followed with times of 4:02.30, 4:04.68 and 4:04.98.

The remaining men's individual event won by a Pine Crest swimmer was the 100 free, in which Todd Griner was the fastest with a 52.68. He was followed closely by Swim-Atlanta teammates Jeff Hike (53.08) and Alain Sergile (53.19).

Griner led off Pine Crest's record-setting foursome in the 400 free relay with a 52.93 and was succeeded by Matt Stahlman, Andre Dieffenthaler, Stahlman and Eric Partelo for a new mark of 3:30.10. Their time took down the old standard, set by Solotar in 1984, by nearly four seconds.

"Our guys have been growing for about three years and they've just kind of moved up," Butts said. "First, they made top 16, then they finally made top eight in their events so we knew they were all coming along together. It was kind of expected. Then this summer a couple of times they'd say things like, 'Hey, do you think it would ever be possible for us to put three in the top eight, or maybe we could even get five in the top eight of the 400.' With goals like that, you have to consider that you're going to have to put a lot of the top people out of the finals.

"But I think the most surprising swims came out of Jenny Higgins," Butts continued. "I think a lot of people had just counted her out. They didn't count her as a winner anymore. She made an about-face this summer and rolled in there and had some fantastic swims."

Higgins, 16, won both backstrokes, the 100 with a 1:05.50 and the 200 with a 2:20.29 and well ahead of challengers. Her times were good enough to get her senior cuts ▶

Comparison of Junior Olympic Records—Men

Event	'87 NJO East Champion	NJO East Record	'87 NJO West Champion	NJO West Record
50 Free	Robert Carran West Florida 24.01	Blaise Matthews Westchester, S.C. 23.67 (1982)	Jarret Winter Long Beach 24.40	Brian Pearson Aqua Club of Enid 23.90 (1983)
100 Free	Todd Griner Pine Crest 52.86	Lance Robertson Brevard 51.97 (1985)	Noel Strauss Little Rock 51.73 (51.59p**)	Andrew Geller Ariz. Sports Ranch 52.05 (1986)
200 Free	David Monasterio Pine Crest 1:55.27	Erik Maurer Lake Forest 1:53.67 (1986)	Greg Larson Irvine Nova 1:55.00	Sam Worden Englewood Aquatic 1:52.84 (1979)
400 Free	Steve Bigelow Pine Crest 4:00.40**	Erik Maurer Lake Forest 4:00.77 (1986)	Greg Larson Irvine Nova 4:01.53	Chad Hundebly Irvine Nova 4:00.87 (1986)
800 Free	Matt Stahlman Pine Crest 8:19.21	Alex Kostich Bernal's Gators 8:12.04 (1985)	Matt Barager Omaha-Suburban 8:19.92	Mike Hlinka Siml Valley 8:14.08 (1983)
1500 Free	David Monasterio Pine Crest 15:59.68	Alex Kostich Bernal's Gators 15:43.28 (1985)	Bobby Koob Sugar Creek 15:48.86	Chad Hundebly Irvine Nova 15:48.71 (1986)
100 Back	Gordy Woolbert Unat. 59.31	Jeff Rouse Quantico 58.30 (1985)	Martin Hewes Corvallis 58.88	John Green Omaha-Suburban 58.86 (1986)
200 Back	Gordy Woolbert Unat. 2:08.99	Richard Hughes Jersey Wahoos 2:06.94 (1980)	Jason Callahan Buena Swim Club 2:08.25	Andrew Lloyd Chinook 2:07.00 (1986)
100 Breast	Nelson Diebel Peddie Aquatic 1:06.07	Rich Korhammer Fort Lauderdale 1:05.60 (1984)	Tyler Mayfield Las Vegas Gold 1:05.50**	Kirk Stackle Swim San Diego 1:05.58 (1985)
200 Breast	Nelson Diebel Peddie Aquatic 2:21.53**	Rick Korhammer Fort Lauderdale 2:22.54 (1984)	Glenn Peoples Woodland 2:22.74	Justin Nicholas Merced Elks 2:21.82 (1985)
100 Fly	Byron Davis Lake Erie 56.06	Lance Robertson Brevard 55.26 (1985)	Sean Quackenbush Rochester 56.80	Brad Bailey The Woodlands 56.32 (1985)
200 Fly	George Fastrich Carmel 2:04.44	Melvin Stewart Johnston 2:03.23 (1984)	Robert Sturman Kansas City Blazers 2:05.51	Mike Johnson Des Moines 2:03.76 (1986)
200 IM	Jeff Hyde Nashville 2:09.53	Dave Wharton Germantown 2:09.06 (1984)	Victor Wales Santa Barbara 2:08.61	Mike Irvin Riverside 2:08.26 (1985)
400 IM	Jon Cohen Bulldogs 4:32.46	Andy Lloyd Chinook 4:31.02 (1986)	Bobby Koob Sugar Creek 4:36.27	Mike Reynolds Beach 4:32.84 (1982)
400 MR	SwimAtlanta 3:58.57	Pine Crest 3:55.52 (1985)	Las Vegas Gold 4:01.96	San Jose 3:59.91 (1985)
400 FR	Pine Crest 3:30.10**	Solotar 3:34.06 (1984)	Irvine Nova 3:33.36	San Jose 3:32.96 (1985)
800 FR	Pine Crest 7:44.07**	Pine Crest 7:47.08 (1986)	Irvine Nova 7:47.53	San Jose 7:46.91 (1985)

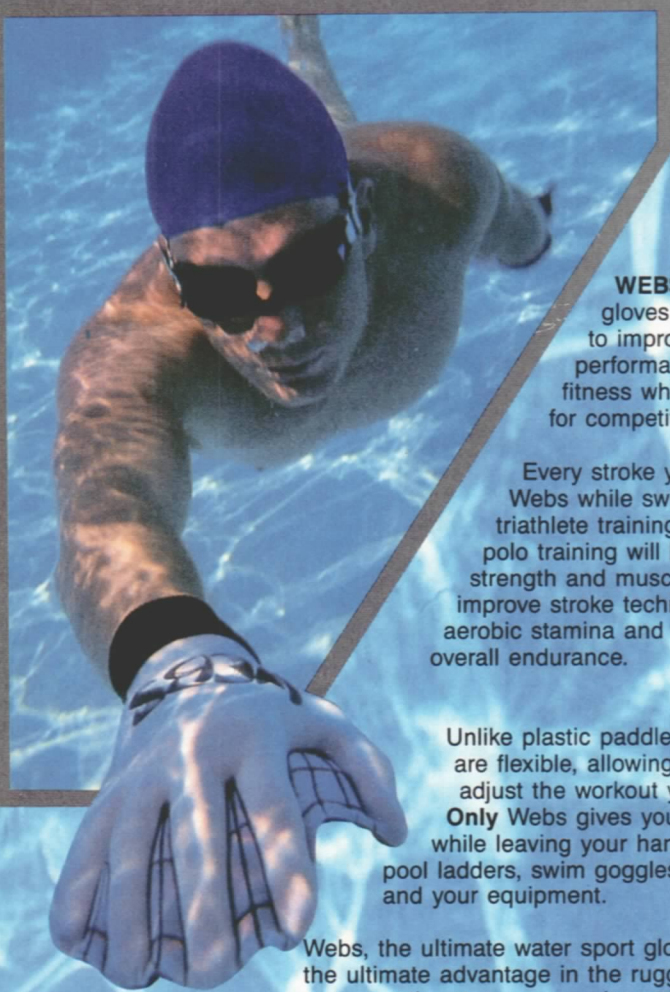
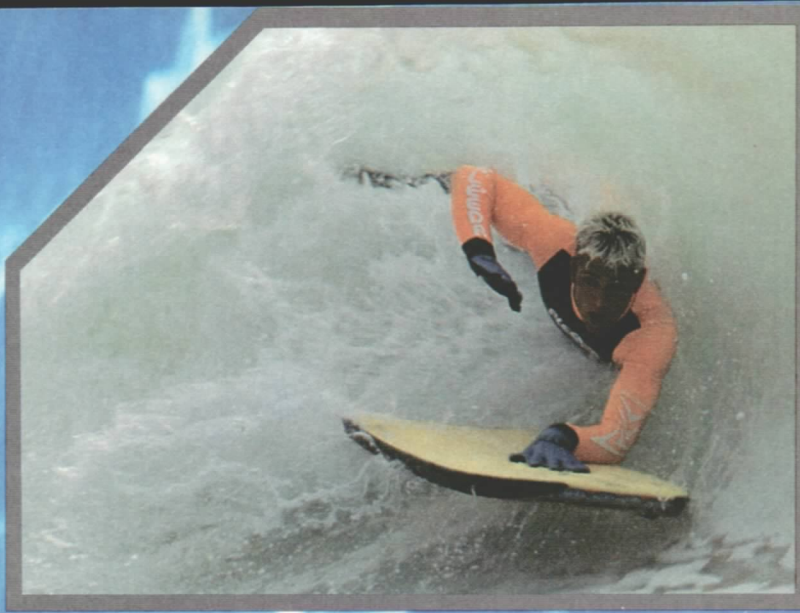
** National NJO Record

* Regional NJO Record

Note: The NJO East record is also the national NJO record in all events except for the 100 and 200 frees, 100 and 200 breast plus 200 IM.

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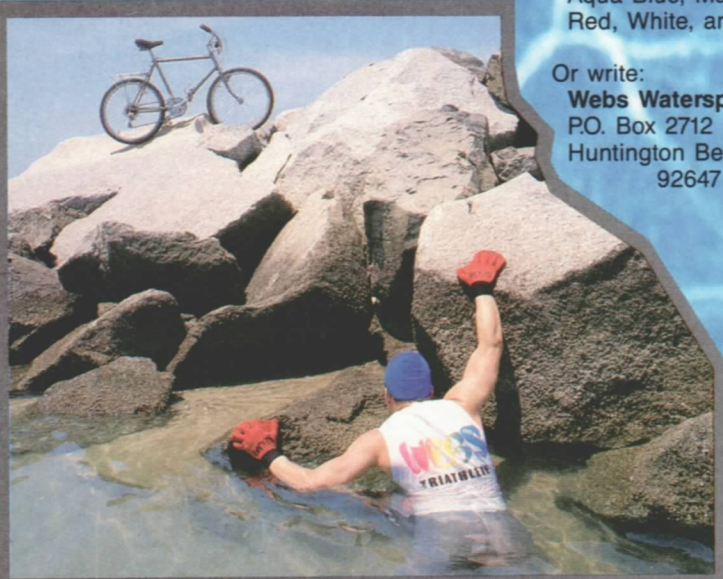
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Junior Nationals



(Photo by J. Christopher Photography)

and an Olympic trials cut in the 100.

Another double winner in the women's half of the meet was Swim-Atlanta's Julie Terrill, 16, who also broke two junior national records in the IMs. In the shorter race, Terrill toppled the oldest record on the women's books with her 2:21.21, also good for Olympic trials and seniors. The old mark was set in 1979 by Pittsburgh Aquatics' Sue

Heon (2:21.86). In the 400 IM, Terrill retired a year-old record set by Suburban's Lisa Maximo (4:58.60-4:59.38).

A national mark was lowered in the women's 100 fly by Coho swimmer, Barb Pranger, whose 1:02.39 replaced the 1:02.69 set last year by Lake Forest's Kristen Stoudt.

"I think it's still a good meet because these kids came in and

It was a clean sweep for Pine Crest as Coach Gary Butts' swimmers from Fort Lauderdale, Fla., captured the combined, women's and men's titles at the Junior Nationals-East competition in August. It was the first championship for the men and third straight title for the women.

Junior Nationals

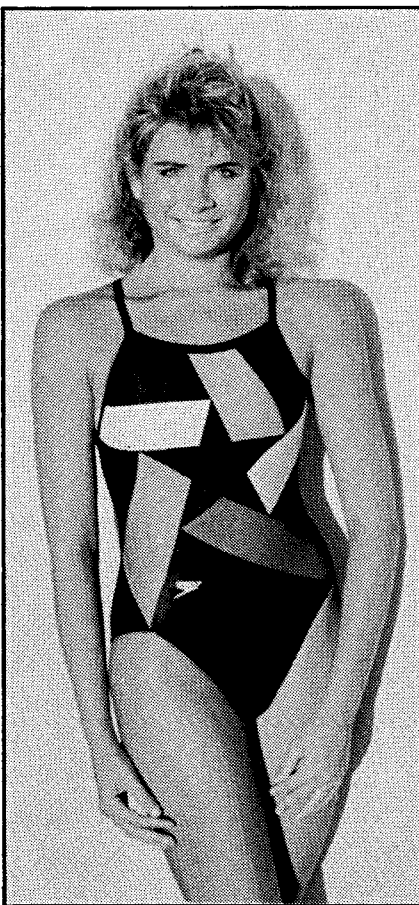


swam pretty fast, pretty deep into the event," Butts assessed. "The top 16 people are swimming pretty fast. I'm in favor of it all being one meet again—East and West together. I'd also tighten up the time standards so that they're a lot faster. Obviously seniors have to be made faster, too. I think that if you drop the time standards of both meets drastically, you'll see times drop all around.

"We took 36 kids to junior nationals," he continued. "Every year we just keep taking more and more. The time standards are much too easy. All of a sudden we have eighth- and ninth-grade boys making junior nationals. When the junior national program started you didn't have young boys making cuts."

Double winners in the East included Christy Campbell, Nashville, 400 and 800 freestyles; Gordy Woolbert, unattached, 100 and 200 backstroke; and Peddie Aquatics' Nelson Diebel, 100 and 200 breaststrokes.

Mission Viejo was the site for three more national records set in the West ▶



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Junior Nationals

half of the meet, which, compared to the East results, was decisively a slower meet. In 36 events (men's and women's combined), the East was faster in 22. Even when compared to its own meet last year, the West improved top times in only four of the 36 races. Of the four races that were faster, two of them were national records.

The men's 100 free set the stage for one of the new marks. Noel Strauss of Little Rock touched in 51.59 for his prelim swim, breaking the 51.97 set two years ago by Lance Robertson of Brevard. Strauss' 51.73 in finals was not as fast as his morning swim, but was still good for the gold.

The only other record of the meet fell at the hands of Tyler Mayfield from Las Vegas Gold. With only eight-hundredths to spare, he touched in 1:05.50 in the 100 breast to top Kirk Stackle's (Swim San Diego) 1985 mark.

"I didn't think it was a fast junior nationals—I expected it to be a lot

faster all the way around," said Ingrid Daland, coach of Conejo Simi (Calif.). "I don't know why it was slower. Maybe Mission Viejo isn't that fast of a pool. The meet wasn't a real thriller... there really wasn't anyone all that spectacular that stood out."

Daland's swimmers won four of

Even when compared to its own meet last year, the West improved top times in only four of the 36 races, two of which were national records.

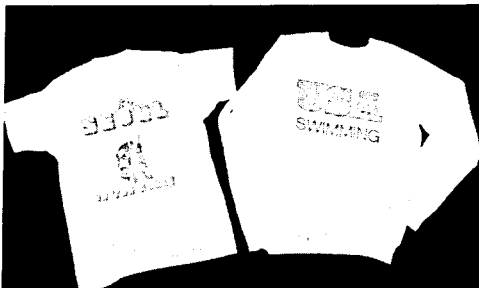
the women's events and showed depth in the others en route to winning the women's crown. Shauna MacEwen, 15, won the 200 by a tenth over Kristen Neuenfeldt (2:06.70-2:06.82). She also won the 800 (8:53.87) and took second in the 400 to Fullerton's Joyce Lightfoot

(4:21.34-4:22.92). MacEwen teamed with Stacie Duncan, Kelly Kocur and Michelle Hlinka to edge out the Mach III Flyers for an 800 free relay gold.

There were two other double winners in the women's competition—Megan Oesting from Chinook and Space City's Kristina Stinson. Oesting claimed both sprint freestyles with the fastest times in both the East and West (27.04, 57.99). Stinson won both backstrokes (1:06.68, 2:21.41).

The men's side of the meet also had two double winners in Greg Larson and Bobby Koob from Irvine Nova (winner of the men's title) and Sugar Creek (Mo.), respectively. Larson won the middle distance freestyles; his 200 time (1:55.00) was fastest of both regions and his 400 time came within a second of breaking the West mark set by teammate Chad Hundebly last year (4:00.87-4:01.53). Koob collected wins in the mile (15:48.86) and the 400 IM (4:36.27). —By Sandra Todd □

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Results Of A Poll: Winner By A Landslide

Silvia Poll outshone the competition at the Pan Am Games, scooping up eight medals for Costa Rica.

by Mark Muckenfuss

INDIANAPOLIS, Ind.—When Silvia Poll showed up at the World Championships last year in Madrid, Spain, she was an oddity. With shock-blond hair, blue eyes and a pale complexion, one might have suspected an error when she was listed as representing Costa Rica. Odder still was her size. When Poll walked onto the deck, her 6-2 frame dwarfed her opponents and brought murmurs from the crowd.

This year at the Pan Am Games, Aug. 8-15, she still drew oohs and ahhs from the crowd because of her size. But those exclamations were followed by cheers and applause as Poll raced to victory in three events, won silver medals in two others and led Costa Rica's relays to three medal performances. She emerged from the Pan Am meet a star—the star. Her eight medals were twice the number the top American medal-winner, Sara Linke, was able to claim, and she was the only swimmer in the meet with three individual golds. Bill Stapleton and Tami Bruce were the only other swimmers with more than a single individual gold. Both had two.

Poll wasted no time in establishing her dominance, winning the first Pan Am event, the 100 free, to open the meet.

"I was surprised," she said, after taking her first gold medal. "I didn't expect it in the first event."

It shouldn't have come as much of a shock, however, after her morning prelim swim of 56.10, a swim which established a new Pan Am record. That time was over a second faster than anyone else in the event had ever swum. Sara Linke, at 57.20, had been the top-seeded swimmer when the morning began.

Poll was slower in finals (56.39), but she was still nearly a second ahead of Linke, who grabbed the silver with a 57.30.

It meant a gold medal for Costa Rica, its first in a Pan Am event, and its first medal ever in swimming. Only three Costa Rican swimmers had even finaled in the past, and the highest any of them had finished was fifth (Gina Araya and Maria Paris in the 100 free and 100 fly, respectively, in 1975). The most recent Costa Rican finalist was Paris, who was sixth in three events in 1979.

The United States, on the other hand, has been dominant in every swimming event throughout the history of the Pan Am Games. This year was no different. Outside



of Poll's victory, the U.S. team swept up the gold in every other event the first day.

Richard Korhammer and Tami Bruce swam to career-best times and gold medals in the 100 breast and 400 IM, respectively, while teammates David Lundberg and Katie Welch picked up the silvers. Uruguay's Carlos Scanavino split the U.S. contingent in the men's 200 free, taking second to John Witchel (1:50.90-1:51.21), while Brian Jones finished with the bronze.

The day's most impressive swim came on the final leg of the women's 800 free relay. At the 600, Susan Habermas, Linke and Pam Hayden had put the United States in front by a margin of nearly 10 seconds over Canada. In third, more than six seconds out, was the Costa Rican team. When Poll entered the water, she faced a 6:19.65-6:25.89 deficit. By the time she had finished her first 100, she had eliminated 4.2 seconds of that margin, and she didn't slow down, blasting home for the silver medal with a relay time of 8:24.25 to Canada's 8:25.69. Poll's split of 1:58.36 was the fastest 200 relay swim in history. The fastest previous split, 1:59.06, was swum by East Germany's Birgit Meineke in 1983.

It was hardly any wonder, then, that Poll took her second gold the next day in the 200 free.

She had coasted, along with most of the other top swimmers, through the morning prelims, turning in a 2:08.40. But when it came time for the finals, she jumped to an early lead at the 50 and never looked back, beating second-place Whitney Hedgepeth by a wide 2:00.02-2:02.06 margin. Her previous best in the event had been

Silvia Poll (above, right) was the top medal winner at the Pan Am swimming events. Poll captured three gold, three silver and two bronze for Costa Rica. At left is Whitney Hedgepeth.

Pan American Games



(Photo by Tim Morse)

a 2:02.17 from last year's World Championships.

"I'm very happy because I only do this once a year," she said of her time drop. Her coach, Francisco Rivas, she said, tapers her for one meet a year, "and each year I go a couple of seconds faster."

By now Poll was becoming one of the Pan Am media stars, sought after for interviews, her phone at the athletes village ringing non-stop. Things were really happening back home in Costa Rica.

Friends and family, she said, "are all going crazy and are very happy about it," Poll said. "The president of Costa Rica (Oscar Arias Sanchez) tried to call us last night but he couldn't get through. His wife gave a salute to us on (Costa Rican) TV."

Poll was looking forward to her coming events.

"My coach says the backstroke is my best event. We'll wait and see tomorrow," she said, alluding to the 100 back the following day.

Meanwhile, another small Latin American country was getting some attention. Surinam's Anthony Nesty came from third place at the 50 and pulled past Duffy Dillon and Wade King on the final lap of the 100 fly to take the gold, 53.89-54.33. It was not only Surinam's first gold medal, it was the first Pan Am medal of any kind for the small country of 370,000. Nesty himself has not lived in Surinam for the last two years. He lives in Jacksonville, Fla., and will attend the University of Florida as a freshman this year. A 100 fly specialist, Nesty banked on his ability to swim the back half of the race rather than trying to go out with Dillon and King.

"They scared me the first 50," he said, "but I had more confidence in myself on the last 25. I'm pretty consistent in the 100 fly (he set a national prep school record in the event this year). It's my favorite race."

Nesty's time broke the 54.06 Pan Am record he set in morning prelims.

Florida Gator Jerry Frentsos took the lead on the first 50 of the 400 IM and gradually out-distanced the rest of

the field, beating Jeff Prior, 4:23.92-4:26.31.

"I was glad to be here so my family could see me swim," Frentsos, a Cincinnati native, said. "I just wanted to get out in front tonight and keep it."

Whether or not Dorsey Tierney was watching Frentsos closely remains unanswered, but she also jumped out in front of the field in her race, the 200 breast. Despite a strong third lap by Kathy Smith (she pulled even with the leader at the 150 mark), Tierney hung on for the victory, pulling away on the final lap as Smith faded behind Argentina's Alicia Boscatto. Tierney's time of 2:36.87 was over three seconds slower than her career-best, but she said she was pleased with the win.

"I kind of (expected to go faster), but that's OK," she said. "I just swam to win. I've raced Kathy tons of times. I knew I'd have to go out hard."

The second night ended with the men's 800 free relay, where the U.S. team set a Pan Am record of 7:23.29 to beat second-place Canada, 7:29.84.

Entering the third day of the meet, the big question was: Would Silvia Poll continue her streak? After the first 50 meters of the 100 backstroke, there seemed little doubt about that. Poll was over a second ahead of the field at the 50 and cruised home to a 1:02.18-1:03.15 win over Holly Green, and a Pan Am record. Poll's time was over a second better than her previous best. She said the 100 back was her most satisfying victory of the meet thus far.

"I'm very happy," she said. "I've done better than what I thought I would do. My coach and I planned to win medals, but we didn't know they would all be golds."

The Costa Rican wonder went on to anchor her team's 400 free relay with a split of 55.52, moving her team from fourth into third. It was her first bronze medal of the meet and it brought her total medal count for the first three days to five.

The United States won the 400 free relay, and each of the night's three other events as well. Todd Dudley streaked to a career-best 50.24 in the 100 freestyle, tying him with David McCagg as the ninth-fastest American ever in the event.

Dudley was something of a late starter as a swimmer. Although he began swimming in summer leagues at age 6, he didn't begin swimming in earnest until his senior year in high school when he joined the school's swim team. He graduated from North Carolina State in 1986 and now swims for Curl Swim Club.

"There's no words that could describe this for me," Dudley said. Standing on the awards stand and hearing the national anthem play, he said, "is something I've never felt before. I want to feel it again next year."

Another swimmer looking forward to next year is

Tami Bruce (above) was one of two Americans to win two individual gold medals. Bruce, who moved to San Jose Swim Club this summer, won the 400 IM in a career-best 4:49.34, and the 800 freestyle (8:34.72).

Pan American Games

Mike O'Brien. After struggling during the last two years, O'Brien feels he has figured out what his problem is and says he is now back on track. He convinced the rest of the 200 backstroke field of that as he sped to a career-best 2:02.29-2:03.75 victory over Brazil's Ricardo Prado.

"I'm very pleased with my time," said O'Brien. "My splits were right on what I wanted them to be. I think I would have been 2:01, but I jammed the wall on my third turn."

O'Brien still thinks of himself primarily as a freestyler, and said he will return to top form next year. He feels a problem with temporal mandibular joint syndrome (a non-alignment of the jaw) has been responsible for chronic weakness, a back problem and his failure to live up to his past achievements. The disorder can affect up to 20 percent of total body strength, he said.

O'Brien now wears an orthodontic device and has undergone chiropractic treatment. He feels he is ready to begin training in earnest this fall.

"I still believe I can be the best distance freestyler at the Olympics next year," he said. "That will be my main emphasis in training through December. At that point we'll make a decision on what other events I'll swim. It's hard to say what your potential is, but my gut feeling is I should be able to go under two minutes (in the 200 back) and possibly under 1:59."

Rounding out the third day of competition, Julie Martin passed teammate Barb Metz at 300 meters in the 400

free and continued to break away, winning the event 4:11.87-4:13.25.

That event brought the meet to the half-way point. The U.S. team had taken gold in 11 of 15 events. U.S. swimmers had gone 1-2 in five of 12 individual events. Four Pan Am marks had been set, but only one of those was by the United States (the men's 800 free relay). No U.S. national, let alone world, records had been set, or even seriously approached. None had been expected. This was, after all, what had been dubbed as U.S. Swimming's "B" team. The name was not popular among the members of the team.

"It's something we don't really want to talk about," said Jerry Frentsos. "I feel this is not a 'B' team. Nationals was so close; in a lot of events there was only tenths of a second between the people here and the people in Australia. So it's hard to say if one team is an 'A' team and one team is a 'B' team."

That turned out to be the programmed response from nearly every swimmer who was asked the question. The idea had been pushed hard by the coaching staff.

"Before we got here," head coach Skip Kenney said, "a reporter here in Indianapolis called me and said, 'What can we say about this team that's positive?' So we started talking about it. We talked about it in our staff meeting. We wanted to elevate these kids every chance we got, and we've done that.

"We told them we didn't want them to think of them-▶



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Pan American Games

selves as the 'B' team. It was a 'B' team on those given four days (at nationals), but if the meet had been held a week earlier or a week later, a lot of those positions would have changed."

Kenney said the team was looking forward to a day of rest, particularly since it meant a two-day break from Silvia Poll. The Costa Rican did not have an event on the fourth day of the meet, but the U.S. women soon found out that day they still weren't safe. Canadian Keltie Duggan grabbed what would be Canada's only gold medal in Pan Am swimming, winning the 100 breaststroke in 1:12.46, just ahead of Lori Heisick's 1:12.52.

Duggan had been fourth in the 200 breast and unhappy about that finish. She blamed part of the performance on a sprained wrist she suffered a week earlier when she tripped on her own thongs ("I'm a klutz") and took a tumble in the athletes village.

"I made a decision to put my 200 behind me and rest my wrist and do the best I could," she said after her victory. "I knew if I swam a good race I could win it. That's my best time by a tenth."

In the men's 200 breast, Jeff Kubiak failed to do his best time, but he did set a Pan Am record, as he swam to an easy victory over teammate Mike Barrowman, 2:17.62-2:19.29. The gold medal capped off the first season of long course swimming for Kubiak, winner of seven NCAA Division II titles while a student at Cal State Northridge.

"Swimming long course has taught me a lot," Kubiak said. "I'm really weak on the walls so it's better for me."

Other Pan Am winners probably feel the same way.

In the 400 free, Paul Robinson used his outside lane to his advantage, taking an early lead and holding on for a 3:54.44-3:55.37 win over Brazil's Cristiano Michelena. Janel Jorgensen sprinted to victory in the 100 fly, overtaking Kristen Elias on the last 50 in a 1:01.28-1:01.54 finish. In the 400 free relay, Todd Dudley split a 49.47 as the anchor and fastest leg of a Pan Am record swim. Jim Born, Scott McCadam and Robinson were the other members of the winning (3:19.97) team.

Considering that split, Dudley undoubtedly would have liked to have swum the 50 free the following day. That honor, however, went to Tom Williams and Mike Neuhofer. Williams, who hails from neighboring Illinois, won the event in Pan Am record time, 22.55, while Neuhofer was second. Williams' time was the 10th fastest performance of all time, and made him the fifth fastest person to ever hit the water.

Williams was cheered on from the stands by his father and mother. It was one of the first outings his father had been on since undergoing a heart transplant six weeks earlier.

"The day before I left to go to Yugoslavia (for the FISU Games) he had the surgery," Williams said. "We made a deal. If he was stable, I'd go to the Games and win. He just said, 'You do your job and I'll do mine.'" Both upheld their end of the bargain.

Bill Stapleton also had an agreement. His was with Coach Eddie Reese.

"Eddie walked into my room this afternoon and said, 'You need to do this one right.'" Stapleton said, after



(Photo by Joe Vondersaar/Showmasters)

swimming the 200 fly. "He said, 'Let's swim this from the neck up instead of from the neck down.'"

For Stapleton that meant going out ahead of the field (by nearly a half second at the 100) and coming back strong to hold off second-half swimmer Jayme Taylor. At the 175, Stapleton looked to have the race in hand, but Taylor charged hard the last 25 and when they hit the wall it was too close to call with the eye. The scoreboard gave the race to Stapleton, 2:00.70-2:00.73.

"I've won a lot of silver medals," a smiling Stapleton said. "I've always had a bit of a mental block about winning. To win by a little, it feels really good."

Tami Bruce won by a lot. It felt good to her, too. She became the first U.S. swimmer in the meet to win two individual gold medals. Her second came in the women's 800 free. She set a Games record, beating teammate Debbie Babashoff 8:34.72-8:42.77.

Bruce attributed her success to a change in venues this summer. She moved from Florida to San Jose to train with Jonty Skinner.

"I wanted to get away from Gainesville so I could come back this year with a great attitude," she said. "Jonty let me realize there's more to swimming than doing it for others. He's real personable, and with the lactate testing (upon which his program is structured) there was a reason for everything we did." The break may have worked a little too well. Bruce said she is considering dropping out of school for the coming year in order to train for the Olympics full time.

Susan Habermas dropped her best time in the 200 IM,

Bill Stapleton (above, right) won his first two international titles at the Pan Am Games. Stapleton beat Jerry Frentzos (left) in the 200 fly by three-hundredths. Stapleton edged Paul Wallace, 2:03.58-2:04.92, for the gold in the 200 IM.

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winning the event, 2:18.22-2:20.06, over Cathy Ritch. Andy Gill also had his best time ever in the 100 back. He overtook teammate David Berkoff on the back half of the race to win the event, 56.56-57.35.

It was another backstroker who turned in the top performance of the fifth day. Once again it was Silvia Poll.

Leading off Costa Rica's medley relay, Poll turned in a 1:01.86, breaking her own Pan Am record. Costa Rica eventually fell to third by the end of the race, but Poll's time made her the eighth fastest swimmer of all time in the event, and the fourth fastest current women's 100 backstroker.

Poll's dominance, however, came to an end on the final day of the meet. It was the U.S. team's youngest member, 14-year-old Jenny Thompson, who became the first to knock over the Costa Rican giant, outspinting her 26.09-26.32 in the 50 free. Thompson's gold-medal time tied her career best, which she swam at nationals. As she approached the blocks for the race, Thompson said she tried not to be intimidated by Poll.

"I could have thought, 'My God, she's so much bigger than me,'" Thompson said. "But I just thought of her as another swimmer. I was happier that I got the gold because I beat her."

Two events later, Poll entered the pool again, this time for the 200 backstroke. She was out to an early lead, but by the 150 mark, American Katie Welch had come up even with her and began pulling away on the final lap. Poll could not hold on. Welch won with a Pan Am record of 2:13.65. Poll slid in just ahead of Holly Green, 2:14.18-2:14.75.

Welch said Thompson's victory in the 50 boosted her confidence. "It helped a lot to see that she wasn't unbeatable," she said. "We had noticed that she (Poll) wasn't as strong in the second half of her races. I'm more of a distance swimmer, so I knew if I got out with her, I could probably beat her."

As she battled with Poll on the final lap, Welch said, "I just thought, this is the last meet of the season and the last lap of the season. So I just gave it everything I had. When I saw my time, I was in shock." She had gone 2:16.13 at nationals two weeks before. Her best time last year was a 2:21.

The final day of the meet gave the U.S. team its best showing. Poll split up the 50 free and 200 back, giving the Americans first and third, but in every other individual event the United States swept the top two spots. Kara McGrath and Michelle Griglione went 2:12.54 and 2:15.03, respectively, in the 200 fly. Bill Stapleton took his second individual gold in the 200 IM, beating Paul Wallace 2:03.58-2:04.92. And Alex Kostich set a meet record in the 1500 free with a 15:20.90-15:24.09 win over Lars Jorgensen.

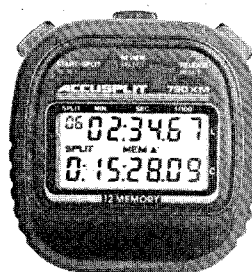
With the end of the 1500, it was announced that every U.S. team member had won at least one medal during the meet. But before relaxing for a celebration, the men's 400 medley relay team left the rest of the field six seconds in its wake, steaming to a 3:43.65-3:49.77 final-event victory over Canada.

No one was more pleased with the meet than head coach Kenney. ►

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Pan American Games

"I have had one of the greatest staffs I've ever worked with," he said. "I think it goes back to what a football coach once said: If nobody cares about who gets the credit, you can accomplish great things. When the results are in, I think you'll see many times here are better than those in Australia."

That fact, along with the medals they carried home, will allow many of the Pan Am team members to work toward next year's Olympic Trials with more confidence, Kenney said. "This meet has provided many more dreams. I think a lot of these kids will be at the Olympics in '88."

And undoubtedly, one of the most prominent among them will be Costa Rica's Silvia Poll.

DIVING

Greg Louganis hadn't lost a 3-meter springboard title since 1978 until last April. When he walked off the deck of his home pool, Mission Bay in Boca Raton, Fla., a string of 15 titles had been broken. It stung, especially when it was coupled with second-place finishes on the 1-meter springboard and 10-meter platform. Louganis had been shut out. To the diving world it was unbelievable.

Louganis began doubting his abilities. He wondered if his age (27) was catching up to him.

Young'un Makes A Name For Herself

The swimming events of the Pan Am Games were over and Jenny Thompson was reflecting on the week. A year ago she was barely aware of this meet. Now she was going home with two gold medals (50 free, 400 free relay) and a bronze (100 free) to put in her trophy case.

"This has motivated me a lot," she said of the meet. "As soon as I get home, I'm going to say, 'Coach, I want to train really hard. I'll be at all the morning practices,' I usually only go to one (of two) a week."

Thompson was the U.S. team's youngest member at 14. She was also the first American to hand a defeat to Costa Rican phenomenon Silvia Poll. That defeat came in the 50 free, where Thompson tied her career-best 26.09 to set a Pan Am record and finish twenths ahead of Poll's 26.32.

In the past year, Thompson, who began competing at age 9 and now swims for Seacoast Swim Association in Dover, N.H., has come from virtual anonymity into a position as one of the country's top sprinters. She placed in her first junior nationals in the summer of 1985 as a 12-year-old, finishing sixth in the 50. Last year she was second at short course juniors in the 50, and was runner-up again in the 50 and 100 at the junior long course meet.

She moved to senior competition for the first time this spring.



(Photo by Tim Morse)

Again she was second in the 50, this time to Dara Torres. But the finish gave her the Rookie of the Meet award, which had been one of her goals going into the competition. At long course nationals in Clovis, she finished behind Torres again, this time tying for fourth place with Jeanne Doolan.

Her Pan Am 50, then, was her first major victory, allowing her the distinction of holding an international title before capturing a national one. Her winning time was faster than the top American time at the Pan Pacific meet; Anna Pettis-Scott won that event in 26.16.

Not bad for a young'un. That was the nickname she endured from fellow teammates during the Pan AMs. "We look after her more than anything," fellow sprinter Jeanne Doolan said.

Thompson didn't seem to mind. While she sometimes felt like an outsider, she enjoyed the traveling-team atmosphere.

"I didn't have much input on their discussions about college," she said of her teammates, "but we were still friends and it was fun. I got to learn a lot about what it's like to be in college."

Thompson has a long time to worry about actually experiencing collegiate life. She is only a freshman this year at Dover High School, entering her sixth year of competitive swimming.

Outside of feeling an itch to get started with training for the coming year, Thompson seems to have taken her summer accomplishments in stride. She is at once aloof and matter-of-fact in talking about her progress, leaving one to wonder whether she doesn't spend much time thinking in depth about it, or whether she is just nervous at being interviewed.

In the future, she said, she may train seriously for the 200 IM and the 100 back. For now, however, she will remain with the 50 and 100 free, shooting for the Olympics, a relatively new goal.

"I didn't think of going to the Olympics until nationals and this meet," she said. "I'm just going to train real hard this next year and do my best. Everybody's going for the same thing."

—By Mark Muckenfuss

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"Nationals was a turning point for him," Coach Ron O'Brien said. "It was good in a couple of ways. It pointed out to him that he needed to put more time into training. He was training 50 percent of the year, and you can do that for awhile, but only for awhile. I think that's what happened to him. He had a lot of close calls in '85. And he's always had to feel like he's prepared in order to dive well. I think it also proved that he's only human."

On the way to the FINA Cup in Amersfoort, Holland, immediately following nationals, O'Brien talked to Louganis.

"I told him, 'Your skill level is just as good. You're doubting yourself because you don't have the training background.' I told him, 'If you can't believe in yourself, believe in me and we'll get through this together.'"

Louganis won the FINA Cup springboard (he did not compete on platform). If there was any doubt that the victory was only a first step in re-establishing himself, Louganis erased it at the Pan Am Games.

The Samoan native became the first diver to win three Pan Am titles in a row in a single event, and he did it on both boards. Joaquin Capilla won both springboard and platform titles for Mexico in 1951 and 1955. Louganis had duplicated that feat with double victories in 1979 and 1983. No other male diver has successfully defended a Pan Am title.

Louganis never faltered on either the springboard or the platform. Overall, however, his springboard performance was slightly better. He averaged 8.9 over the course of 11 dives, never receiving a score lower than 7.5, while being awarded seven 10s. His total of 754.14, 70 points ahead of second-place Doug Shaffer of the United States, was only 1.35 points shy of his own world scoring record of 755.49. Louganis set that mark in 1983. It was also a Pan Am record, surpassing his previous high of 724.02 set in 1983 at Caracas, Venezuela.

"I feel I had a better overall performance here than I've had in the last year," Louganis said of the meet. "Coming in I felt good. I felt strong. I felt I was prepared and that I had done my homework."

"I was really pleased that I came that close to my record," he said, referring to his springboard performance. "It means I'm going in the right direction."

Doug Shaffer, who is a native of nearby Franklin, Ind., said he was pleased with his performance before the home crowd.

"Overall, I've dived better," he said. "I didn't quite feel invincible. I didn't have that superman feeling. But scorewise that's my personal best."

Jose Rocha, who dives at Auburn University, won the bronze medal for Mexico.

Louganis gave his springboard gold away to Ryan White, a 16-year-old AIDS victim that Louganis met two years ago. White was on hand for both competi-



(Photo by Mark Muckenfuss)

tions, and when Louganis won the gold on the platform with a Pan Am record score of 694.68 (beating his previous record of 677.58 from 1983), the two mugged for photographers, each wearing Pan Am gold.

The silver in the platform went to U.S. diver Matt Scoggin. Scoggin had a bad fifth dive which dropped him from second to sixth place in the standings. From that point on, every time Scoggin walked onto the platform he was greeted by encouraging cheers from a crowd trying to applaud him into a medal spot.

"I wasn't sure what to think about it at first," Scoggin said of the crowd reaction. "But the last three rounds it really pumped me up." Scoggin took advantage of a missed dive by Jesus Mena in the eighth round and took over the second spot. Mena eventually dropped to fourth, giving up the bronze to Canadian David Bedard.

In women's competition, Kelly McCormick became the first woman diver to repeat a gold-medal springboard performance in a Pan Am Games. The only other woman diver to defend a title was McCormick's mother Pat, who won the platform gold in 1951 and 1955. McCormick easily broke her own Pan Am scoring record for the event, set in 1983, with a 562.77.

"I'm pleased because I was consistent," McCormick said. "If you land on your head 10 times, you should be happy."

Which was why Megan Neyer, who led McCormick until she missed her ninth dive, was not happy.

"My major goal is to dive 10 times on my head," said Neyer, who drew scores of 4.5-6.0 on the reverse 2½. "I did it 9½ times. I didn't have the top on (the ninth) dive ▶"

Greg Louganis (right) gave his first gold medal (3-meter springboard) to AIDS victim Ryan White (left), and kept the platform gold for himself. White is an Indiana resident.

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that I usually have."

Finishing behind the Americans was Canadian Debbie Fuller, who went on to take seventh in the platform. Fuller's teammate and sister, Wendy, was the silver medalist in that event, overtaking Argentinian Veronica Ribot on the final dive. Winning the event was American Michele Mitchell with an easy 453.96-391.32 margin of victory. Her score replaced Wendy Wyland's 1983 record of 426.57 as the new Pan Am mark.

Mitchell has suffered from shoulder problems during the last year, and it was still bothering her during the competition. "But," she said, "I get so worried about my dives, I just forget about it." One dive she was particularly worried about was her back 1½ with 3½ twists. "I missed it last week at nationals and that pretty well blew my confidence. I was really concentrating on the dive this time. I knew I'd done well when I hit the water going straight."

Outside of the women's platform event, where Mary Ellen Clark finished sixth, the United States went 1-2 in each diving event. Only one other time in Pan Am history has the American team done better. That was in 1979 when the team went 1-2 in every event but the men's platform, where they took first and third.

SYNCHRO

The only thing that seemed different about Tracie Ruiz, when compared to the synchronized swimming star the world was introduced to at the 1984 Olympics, was the name change. She is now Tracie Ruiz-Conforto, having left behind pool-partner Candy Costie-Burke for Tom Conforto, her partner in marriage.

Ruiz returned to the pool last year to once again compete in synchronized swimming, this time in the solo and team events. When she emerged from the waters of the IUPUI Natatorium, her smile and her performance were still golden. She earned scores from 9.7 to a perfect 10, giving her an easy victory over Canada's Sylvie Frechette, 195.484-188.184.

Frechette is not Canada's top soloist. That honor belongs to last year's world champion, Carolyn Waldo. But Ruiz was pleased with her showing and said she was anxious to compete against Waldo in Egypt at the FINA Cup (Oct. 1-3).

Ruiz believes there are definite differences in her '84-self and the one the Pan Am crowd saw.

"I think I'm better now than I was in '84, especially in the compulsory figures," she said. "I'm stronger overall and I'm training a lot smarter." On the other hand, "the level of competition has risen greatly."

Getting restarted without her partner of so many years was not as difficult as she thought it would be, Ruiz said. "I thought it was really going to be hard not having someone there every day pushing me, but Charlotte (Davis, her long-time coach) steered me in directions to avoid that."

Ruiz trained with a swim team, and worked with



weights in her husband's gym. "I worked with a personal trainer and he had me enter a body building competition as a goal." She won that competition.

Ruiz has been working with the national team this year and was part of the team competition, which netted her another gold medal.

The U.S. team went into that competition with a five-point lead, which allowed them a comfortable margin (it would have taken a major mistake to lose the lead) over their nearest competitor, Canada. The team didn't take any chances, however, turning in a solid series of 9.9s to capture the gold. Canada was second and Mexico third.

Not taking any chances was one of the problems with the team performance, as Coach Gail Emery saw it.

"I'm happy with the overall performance," she said, "but it was on the conservative side. The next step is to get a little more out of the girls by pushing a little bit harder and taking some risks. They were very conservative tonight. That's why it was gratifying to see the 9.9s."

Two other gold medalists, besides Ruiz, were part of the team performance. Karen and Sarah Josephson, identical twins out of the water, were nearly perfectly identical in the water as well.

Tracie Ruiz-Conforto (above) returned to power this year as America's top soloist in synchronized swimming. Ruiz, a double gold medalist at the 1984 Olympics, won two Pan Am golds this year.

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Like the team, the Josephson duet had a comfortable lead going into the finals, 6½ points over Karen Sribney and Karen Fonteyne of Canada. That lead increased to nine at the end of the competition, the Josephsons winning 192.12-183.45 with Mexico placing third.

"This is really exciting," said Karen after the awards ceremony. "This is the biggest international event we've won. This was our first big meet and we're very happy with the way we did tonight."

The routine the pair performed was developed within the last six months, Sarah said, with the last few months devoted to ironing out the details. Both felt the competition was a good primer for the FINA Cup and that they were not hurt by not having the top Canadians at the meet.

"I think these Canadians gave us some pretty tough competition," Sarah said.

The triple Pan Am win for the United States was the first such sweep since 1975.

WATER POLO

Water polo play at the Pan American Games, like most of the aquatic competition at the Indiana University natatorium, held few surprises.

Cuba was the only team coming in that could seriously threaten the United States, and the U.S. team had beaten their southern neighbors in four previous meetings during the year. The closest the Cubans came during the Pan Am Games was two goals. The first game, on the third day of competition, ended 5-3, and the United States won the gold medal contest 6-4. It was the third Pan Ams in a row where the United States and Cuba have met in the final round, and the third straight time the Americans have taken the gold.

Despite the fact the tournament offered a lower level of competition than last May's FINA Cup, Coach Bill Barnett said he was pleased with the way the team played.

"It would be nice to have a tougher tournament," Barnett admitted, "but we had a couple of tough games with the Cubans. I thought we had a very good tournament, especially defensively."

Much of the defense was accounted for by goalie Craig Wilson, who blocked 41 shots during the tournament, while allowing 17 goals. Wilson blocked 10 shots in the gold medal game against Cuba.

On the other side of things was James Bergeson, who led the team's scoring with 12 goals over the course of six games. It was Bergeson's first time as the leading scorer in a major tournament.

The former Stanford star's most effective presence was in the gold medal game, where he scored half of the six U.S. goals, all on man-up situations. He attributed his offensive presence to a well arm (he's had shoulder problems in the past) and the play of the rest of the team.

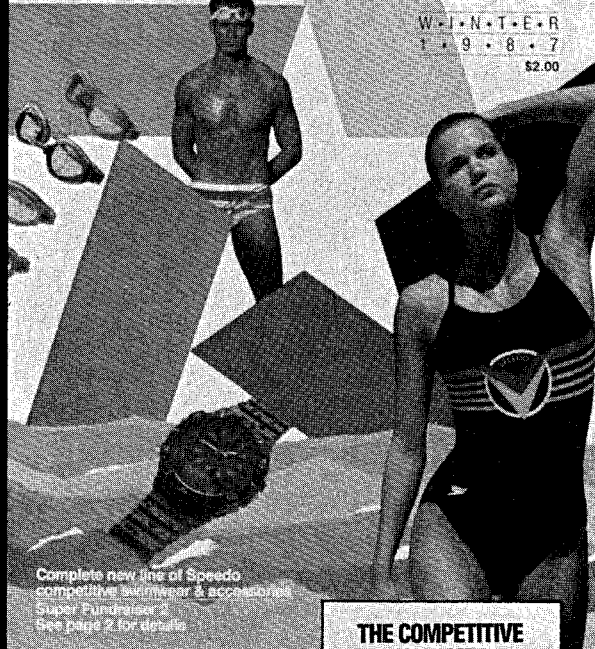
"I felt a little sharper in this tournament," Bergeson said. "This time around my shoulder felt fine, I felt

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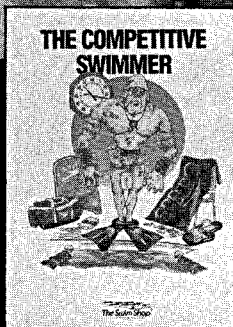
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Poll Getting Ready For Seoul

Janet Evans and Silvia Poll should be able to console one another. Evans made mention earlier this year that she was tired of forever fielding the questions about her size (5 feet 3 inches and about 90 pounds). On the other end of the spectrum is Silvia Poll of Costa Rica. Poll, who swept eight medals, including three golds, at the Pan Am Games, looks as though she may have missed her true calling at first glance. She would be the envy of any women's basketball team.

Officially she is 6 feet 2 inches tall.

"No way," said one swimmer. "She's at least 6-3 and maybe 6-4."

Poll's size is impressive. Hugging and congratulating her team members after a medal relay performance, she looked like a mother with happy children. Her teammates hugged her around the middle. She hugged them, a little dangerously for one swimmer it seemed, around their necks. Standing on the second-place platform for the 200 backstroke awards ceremony, Poll was still taller than gold medalist Katie Welch.

The 200 backstroke was one of only two individual events where Poll was not triumphant. She was second in the 50 free, but took gold in the 100 and 200 freestyles and the 100 backstroke. Her lead-off 100 back on the medley relay (Costa Rica finished third) was the fastest time recorded in the event this year: 1:01.86 (Kristin Otto tied the time a week later at the European Championships). In the 800 free relay she turned in the fastest 200 split in history: 1:58.36.

The Pan Am Games proved to be a coming-out party for Poll. She attended last year's World Championships but finaled in only one race, placing sixth in the 100 back.

Poll's bright blonde hair and light complexion are an immediate tipoff that, although she



represents a tiny Latin country, her heritage lies somewhere else. Her parents both came from West Germany. Her father, who died in 1983, worked in the cotton ginning business in Nicaragua from 1964-'79. In 1979, when Nicaragua's civil war escalated and the Sandanistas came into power, the Polls left the country for Costa Rica.

Silvia, who speaks Spanish, German and English, was only 8 when the family moved. The next year she entered a learn-to-swim program in Costa Rica. A year after that she competed in the Central Caribbean Championships. Not a bad start for a girl whose coach, Francisco Rivas, felt there was little hope for her when he first saw her in the water. Rivas is happy he was wrong. Poll attributes all of her success to his expertise.

"It is thanks to Francisco Rivas that I have always improved," Poll says. "I only do what he tells me to do. I don't know what I'm going to do each day until he tells me what I should do."

"Silvia is like a computer," Rivas says. "I program her to do whatever I want her to do and she does it."

Poll says her perfect relationship with Rivas is the result of her own disciplined nature along with complete faith in her coach.

"I define myself as very responsible, very exacting, with an open mind," she said. "This means my coach can achieve what he wants with me. (Rivas) is a very good coach and a good friend. As a teacher, he is someone who demands a lot from us."

Sometimes he demands too much. Originally he had wanted Poll to swim the 400 and 800 frees and both IMs, bringing her total number of events to 12. Poll said no.

"I'm very happy she didn't swim those events," Rivas said at the end of the meet, "because with all the events she swam, today she was very tired."

Poll attributed her failure to continue her winning streak on the final day to that fatigue, along with the fact that the 50 free and 200 back are her weakest events. Whether she will swim those or other events at next year's Olympic Games remains to be seen. But if Rivas' assessment of her abilities is accurate, whatever she swims will bring her more recognition.

"I'm under the impression," he said, "that Silvia is only at 60 percent of her capacity right now because we don't train her that hard." Normally she works out four hours a day and an average of 10,000 long course meters. Next year she will taper only for the Olympics.

And after that? Will Poll, who turns 18 next year, attend college in the United States? She says no.

"I'm going to stay in Costa Rica about four or five years with my coach," she said. "Each year my times are better, so it's only logical that I should do that."

If anyone should try to benefit from foreign training, Poll said, it should be Rivas.

"He should go to other countries and see how those coaches coach their swimmers." Then again, she said with a smile, "Maybe the U.S. swimmers should come to Costa Rica to improve." —By Mark Muckenfuss

Pan American Games

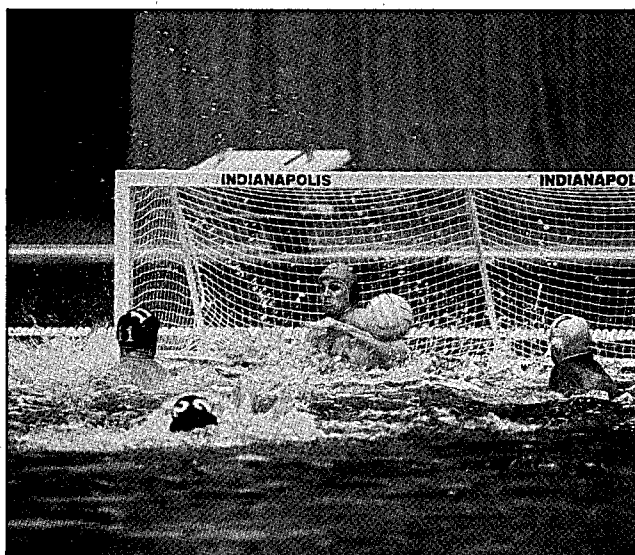


Photo by Steve Oberreich/Showmasters

strong. I had a good tournament, but when you look at the statistics the scoring is widespread. It's not one or two guys doing all the scoring. Everybody got a piece. It's fun to score, but it's the team that sets things up for you."

What Bergeson was happiest about was the way the U.S. team played as a whole.

"In previous months," he said, "we didn't know each other's roles. I think now we're starting to get our roles down. We're playing better as a team, and I think we've got more confidence now."

Bergeson's thoughts were echoed by Wilson.

"The medal is not that important, it's how the team played," Wilson said. "One of our team weaknesses is consistency. I've suffered from that as well. In a tournament, I've always been able to play four or five tough games, but there would always be one or two where I knew I could have played better. We can play 110 percent (teamwise) in almost any big game, but then we might come back and play the next game at 80 percent."

"This time we did not let up as a team. We came out tough against the weaker teams and didn't play down to their level at all. I know I played six strong consistent games. It was a very good way to end our season."

Outside of the Cuban games, the United States knocked off Mexico (10-3), Canada (12-4), Puerto Rico (17-3) and Brazil (15-4).

In the first Cuban match, the U.S. jumped to a lead of 3-0 early in the second period. The Cubans came back to tie the game in the third period 3-3, but never scored again as Alan Mouchewar scored once in the third and again in the fourth to leave the game at 5-3. Kevin Robertson also scored two goals for the United States.

Goalie Craig Wilson knocks down one of 10 shots he successfully blocked during the championship game against Cuba. Wilson blocked 41 of 58 shots during the course of the tournament for a save ratio of 71 percent.

Jody Campbell had the game-opening goal.

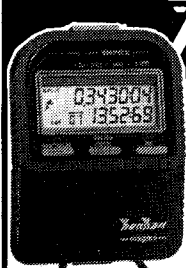
When the Cubans and Americans met for the second time, it was again Campbell who put the United States on the board first. Bergeson scored on a six-on-five situation to make it 2-0, before Jorge Del Valle put Cuba in the game on a man-up goal with :03 left in the first quarter.

By the middle of the second quarter, the U.S. team had effectively put the game out of reach with goals by Mouchewar and Bergeson to make it 4-1. Pablo Cuesto made a penalty shot before the half (4-2), but Cuba never came closer than within two goals during the remainder of the game.

Finishing up the year with a gold medal win in front of a sold-out home crowd was the highlight of a mixed season, as Barnett saw it.

"We were kind of inconsistent through the year," he said. A neck injury to co-captain Terry Schroeder, resulting from a car accident, and work schedules that prevented Robertson, Campbell and Wilson from traveling to one international tournament, kept the team from operating at full strength much of the year. Playing at full strength will be a top priority in the coming Olympic season, Barnett said, ending on a cryptic note.


"Some of the players better take a hard look at themselves and see what kind of shape they're in going into the Olympic year," he said. "There may be some unforeseen changes in the lineup next year." □



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Marathons, The Great Equalizer

In 1926 Gertrude Ederle became the first American to conquer the English Channel. In 1952, 55 million people watched Florence Chadwick swim across the Catalina Channel during a special television broadcast. And in 1958, Greta Anderson was the top marathon swimmer—male or female—on the professional circuit.

Ever since 1922 when Ederle beat 50 world-class competitors in a three-mile race, women have challenged men for supremacy in marathon swimming. In no other sport do women compete so favorably with men. The miles of open water tend to equalize the differences between the sexes—especially when the water temperature drops below 60° F.

Women are well suited for marathon swimming because of their higher percentage of body fat which helps to retain body heat in long cold swims and increases buoyancy. Thus, women are not as susceptible to hypothermia as men and ride higher in the water. This physiological difference may be one reason why so many distance records have been set and broken by women.

Eighteen-year-old Gertrude Ederle became a national heroine when she took 14 hours and 31 minutes to swim from Cape Griz-Nez, France, to the White Cliffs of Dover. Her unprecedented feat proved that women possessed the requisite spirit and abilities to excel in endurance events.

Upon her arrival in New York, she received a ticker-tape parade and was acknowledged as a pioneer in a sport that would attract more incredible women.

Between 1951 and 1955, Florence Chadwick conquered 16 channels and broke several records en route that were previously held by men. During one remarkable five-week period in 1953, Florence swam across



Florence Chadwick

(Photo courtesy International Swimming Hall of Fame)

four different channels, setting records in all of them. One of these swims was her attempt to cross the English Channel.

After postponing her swim numerous times due to inclement weather, Florence promised to the press that she would "give you men-folk something to shoot at." The indomitable 33-year-old then backed up that boastful remark by completing the swim in world record time.

Perhaps no other female has had as much success against men as Greta Anderson did in the late 1950s.

During the summer of 1958, the former Olympic gold medalist reached the peak of her swimming career. In July, Greta entered a grueling 26-mile professional event in Guaymas, Mexico. For six hours she and Tom Park, the top male swimmer that year, swam stroke for stroke. Despite jellyfish stings, Greta steadily pulled away in the last eight miles and won easily.

In August, Greta was the sole

female entrant in the 19-mile Lake St. John, Canada, swim and again astounded her male peers by beating them soundly.

Four weeks later, she swam in the *London Daily Mail* English Channel race. With her 10-hour-50-minute victory, she became the only person to win this famous event twice.

Upon returning home to California, Greta began planning an unheard-of double crossing of the Catalina Channel. After nearly 27 hours and 50 miles, she became the first person to achieve a double crossing.

The present standards for marathon swimming were established by 5-2 Penny Lee Dean. Like Florence and Greta, Penny set long-standing records in the warm Pacific Ocean, cold Canadian lakes and the rough Atlantic Ocean.

In 1976, she reduced the Catalina Channel single-crossing record by one-and-a-half hours—a record that still stands. In 1977, she cut nearly seven hours off Greta's double-crossing record of the Catalina Channel—a mark that had stood for 19 years.

While training for her English Channel attempt, she twice swam 36,000 meters in an indoor 50 meter pool at a sub-1:20 per 100 pace. However, Penny's most memorable swim occurred in July 1978 when she blasted more than an hour off the English Channel record. Since then only three people have come within an hour of her time.

These swimmers are all proof that women can, and do, compete favorably with men in marathon swimming. While Gertrude, Florence, Greta and Penny are among the most celebrated female marathon swimmers, there are countless other women who have faced the rigors and challenges of long distance swimming. Whether or not they have set world records, they have all demonstrated that men do not have a monopoly on perseverance, courage and dedication that all true athletes possess. □

About the Author

Steven Munatones is a professional long distance swimmer who won the Long Distance Swimming Championships at Lake Windermere in 1982.

Books To Help Plan Practices

At the start of the new school year and the beginning of some of our high school swimming seasons across the country, it is a good time to take advantage of new publications to help us in our planning our seasons and practices.

One of the best new books to cross my desk over the summer was *The Illustrated Swimmer* by Jan Prins. Prins was a former assistant to Doc Counsilman at Indiana University, where he received his Ph.D. in exercise physiology, and until recently he was head coach at the University of Hawaii. He has resigned that position to become director of the newly established Aquatic Research Laboratory.

About the Author

NISCA publications editor Charles E. "Skip" Bird is the boys' swim coach at Valparaiso High School, Ind.

Initially, this book grew out of material he had prepared for the masters and triathletes in Hawaii; very popular with those groups, the book is now in its second printing. Marcia Prins, Jan's wife, edited, illustrated and typeset the book.

Prins goes through each of the strokes, starts and turns, breaking these into easily taught components. He utilizes many of Doc's concepts as well as other principles from recognized authorities. Promotion of original material is not what the book deals with; rather, the illustrations and text very clearly and straightforwardly present established and widely accepted principles of swimming.

He does a splendid job of presenting each aspect of each stroke, as well as covering some of the more complicated theories of lift, drag,

acceleration and common stroke problems, etc., so that they are easily understood by even us non-scientists, and so that all of us can use the material in our everyday stroke instruction.

The book is organized neatly and compactly, and the illustrations are simple and utilitarian. You will especially appreciate the way in which a concept is presented in its entirety on a single page; it has been logically planned and presented.

As always, a review in this column does not mean an endorsement by NISCA, but I personally recommend the book. I believe coaches of all levels will enjoy it and use it frequently. Published by Honolulu He'e, the book is available through Jan Prins, University of Hawaii, Aquatic Research Laboratory, 1337 Lower Campus Road, Honolulu, HI ▶

ONCE AGAIN – The best times are Colorado Times. 1987 National Swim Meets

Scholastic Meets

- NAIA Men and Women
- NCAA Division III Men and Women
- Division II Men and Women
- NCAA Division I Men

U.S.S. Meets

- Senior Short Course
- NJO Short Course East and West
- Senior Long Course
- NJO Long Course East and West
- U.S.S. Open

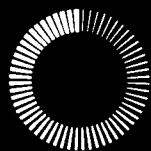
Special Meets

- U.S. Olympic Festival
- International Special Olympics*
- AVIS Swimming Championships
- YMCA Nationals

Masters Meets

- Masters Long Course
- Masters Short Course (Backup)
- YMCA Masters National

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I've hesitated to mention my own books in this column, but our NISCA officers assured me that it would not be inappropriate to deal with them as with any of the items reviewed in "NISCA News."

Organizing Your Practices: A New Swimming Manual has been reviewed in *Swimming Technique*, which also used a part of a chapter on cruise intervals as an article last summer. It is also advertised on *Swimming World's* own publications page and may be purchased through this magazine.

The book has received some very complimentary reviews and endorsements and this summer was in its third printing. The first edition—a green cover—was completely rewritten and four totally new chapters were added to the second edition; this current printing features some additions and changes in the extensive bibliography (some 14 pages of closely spaced references to all phases of swimming) and some minor changes elsewhere in the

book.

Some of the major topics covered in the book are metabolic and other principles involved in planning practices, cruise intervals, taper, mental training, diet, pacing, an extensive variety of practice sets, stroke data and drills, start and turn information, team activities, miscellaneous

Initially, I had intended the book for swimming coaches, but I discovered an even larger market among teachers, businessmen and doctors.

forms, stretching and weight work, detailed time percentage tables, college and junior college swimming mailing addresses and affirmations.

The second edition of *Putting Words Into Your Mouth*, a collection of 5,000 witticisms and inspirational sayings, has just been published. This book grew out of one of the chapters in the original swimming manual I wrote, and that chapter in turn was the result of my file of quotes, the same kind of file of useful quotes and mottoes that most coaches accumulate over the years. Initially, I had intended the book for swimming coaches and then coaches in general for use on bulletin boards, at the tops of practices, in newsletters, etc., but then I discovered an even larger market, among all teachers, even businessmen, for use in their offices and printed material, doctors to post in their offices and a wide variety of others.

This is a collection of funny and motivational material that could be useful to practically everybody. It is available at \$11.50 (including postage) from the publisher, Swimmer, P.O. Box 2539, West Lawn, PA 19609.

Both of these books make wonderful Christmas, Mother's Day, birthday and Arbor Day gifts; besides, I have two daughters in college and need the income!

I am in the process of gathering up more quotes, slogans, mottoes and sayings for volume two of this book. All contributions will be

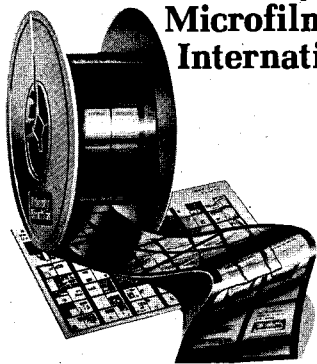
gratefully accepted and acknowledged in the new book. The individual or team that sends the best collection of such material will get a complimentary copy of the first edition of the sayings book. Contest closes Dec. 31, 1987, although I will continue to accept and use any quotes you send in until the new book goes to press next year. Send the material to me at Valparaiso High School, 2727 N. Campbell, Valparaiso, IN 46383.

At the same time I am trying to collect a list of songs and video movies. We have a team tape of inspirational music—songs that get us fired up. Some of the tunes we and other teams have used: "Rubber Ducky" and "Rainbow Connection" by the Muppets, "Black Water" by the Doobies, "Nobody Does It Better" from the James Bond film, "Theme from Rocky I," "Theme from Jaws," "Theme from Chariots of Fire," "We Will Rock You" and "We Are the Champions" by Queen, Kenny Loggins' "Cool Change," "Impossible Dream" from *Man of La Mancha*, "Life in the Fast Lane," etc. What are your team's favorites? Send them to me at the aforementioned address. This column will include your suggestions in future months.

The video tapes are of inspirational and exciting movies, films we watch while resting at the motel at the state meet or look at during team parties. Some are funny, but most are adventurous or are sports-oriented. The "Rocky" series is great, of course, but what movies would you select in this category? Send them to me at Valparaiso High School, and we'll publish your suggestions in this column.

If you are involved in high school aquatics and you do not belong to NISCA or you haven't yet renewed your NISCA membership for the '87-'88 school year, contact William R. Wolff, Treasurer-Membership, New Trier High School, 385 Winnetka Ave., Winnetka, IL 60093. Among the many advantages of a membership is our new, improved newsletter; if you haven't seen a recent issue, I think you will be surprised at how an already-good product has been made even better. □

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USA Dominates American Cup III

American synchronized swimmers of varied abilities and ages made lasting impressions from June through August at competitions both home and abroad. From Orlando, Fla., to Vienna, the red, white and blue was well-represented against foreign challengers.

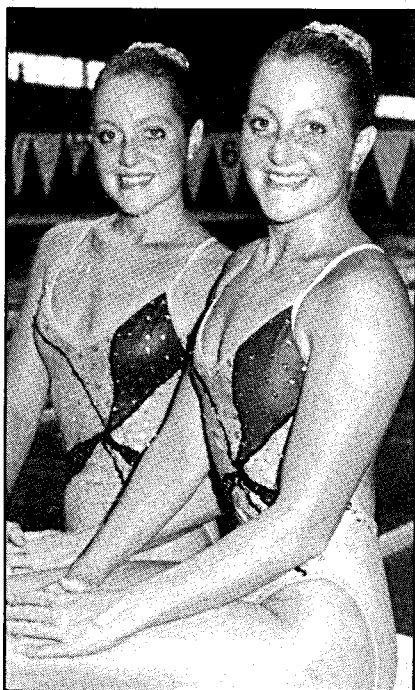
From July 27 through August 2, the U.S. National Team took advantage of the Orlando Sentinel/American Cup III to gear for the Pan Am Games, just two weeks away at the time.

And what could be more confidence building than making a clean sweep of gold from solo through team for the Americans? As a result of their dominance at the Justus Aquatic Center in Orlando, Fla., the U.S. was awarded the Gold Cup Award for scoring the most points in the gold cup division. Sweden earned the Silver Cup Award and Korea, the Bronze Cup. American Cup Awards were presented based on total point standings within each division.

Tracie Ruiz, Karen Josephson and Sarah Josephson were the top three placers in the figure competition for the U.S. Ruiz went on to capture the solo title with a high score of 197.25. The next-closest solo performer was Japan's Mikako Kotani, who was almost 10 points behind Tracie. Austria's Alexandra Worisch took the bronze with 181.17. Switzerland and Canada were the other top finalists in the Gold Cup Division, which was for countries that placed first through eighth in the '84 Olympics, '85 FINA World Cup or the 1986 World Championships.

The Josephsons topped the duet

The Josephson twins, Karen and Sarah (above), continued their claim as America's top duet team by capturing the event at the American Cup III in Orlando, Fla. The meet served as a tune-up for the Pan Ams where they also emerged victorious.



(Photo by Nancy Hines)

contest with a six-point spread between them and Kotani and Miyako Tanaka (192.70-186.57). Edith Boss and Karin Singer of Switzerland were the bronze medalists with 181.19, followed by Canada.

The third gold for the U.S. came in the team competition, with members Tracy Fearnow, Jessica Hudacek, Jennifer Lynn, Patti Lynn, Robin Roberts, Nathalie Schneyder, Anne Schulte and Heather Simmons winning by yet another wide margin.

Mikako Kotani received the Superior Athlete Award from the *Orlando Sentinel* based on her accumulating the most points in all divisions.

More than the Cajun cuisine was hot and spicy at the end of June in Baton Rouge, La., site of the 1987 U.S. National Age Group Championships. As expected, West Coast synchro powers Walnut Creek and Santa Clara provided stiff competition in all age groups, with the Town of Tonawanda (N.Y.) making an impressive showing as well. Canada's Club Aquatic Montreal

Olympique (CAMO) claimed honorary duet titles in all upper age groups and the 15-18 team event.

In the 11-12 age group, Sweetwater's Laurie McClelland claimed solo honors with 116.3342 points followed by Aquanut Jenny Ohanesian (114.1467). Ohanesian teamed with Tammy Cleland and Jennifer Vorheis to win the trio (111.647) over Arizona's Sara Mayfield, Alison Vincent and Dawn Witkin (108.0839). Cleland and Vorheis swam to a gold in the duet as well, edging the Cypress duo of Desiree Castro and Heather Pease (113.3687-113.0596).

Tonawanda won an all-out battle in the team category (11-12), with a slim six-tenths of a point separating the top four finishers. The New York-based team scored 76.64, followed by Walnut Creek's 76.40, Santa Clara's 76.10 and Ken-Ton's 76.06.

The CAMO swimmers took gold (honorary titles) in all duets from 13-14 age group through 17-18, plus a win in the 15-18 team competition. Isabelle and Stephanie Jobin topped the 13-14 duet with a score of 128.8025. Walnut Creek swimmers Nicole Banks and Kim Cuffe were within a point with 127.9520.

Another close competition came in the 15-16 duet, with CAMO barely taking the honorary title with the team of Marie Lemieux and Isabelle Parent (134.4641) from Tonawanda's Jennifer Bagley and Kristy Donn (134.4304).

Moving from the age group level to the international scene, June was an eventful month for U.S. Synchro's National Team I. From June 12-14, Team I performed at the VI Rome International.

The U.S. squad of 1984 Olympic gold medalist Tracie Ruiz, Kristen Babb, 1987 Moscow Invitational solo champ, and Lisa Riddell withstood pressure from all comers in the figures category and tallied the top three scores. In her comeback year, Tracie has proven that she is

Synchronized Swimming

still the top soloist around. She easily claimed the title with a score of 188.35, followed by Canada's Gaylaine Richard (171.90). The Soviet Union's Alfsia Jamaletdinova was the bronze soloist with 166.17 points.

After a mere week of practice as a duet, Americans Babb and Riddell were able to win in their first major contest as a team. With 183.31, they topped Canada's Gaylaine and Paula Richard, who were more than 12 points behind. The Soviet Union won a second bronze with the team of Jamaletdinova and Maria Tcherniaeca scoring 168.34. Rounding out the top seven teams were Italy, Cuba, Switzerland and Austria.

Less than a week later, the newly paired duet of Babb and Riddell traveled to Palma de Mallorca, Spain to compete in the IX Mallorca Open, and again proved their chemistry as a team. They scored over six points higher than the runner-up French pair of Muriel Hermine and Anne Capron (184.66-178.28). Canadians Claudia Harvey and Heather Johnston earned a score of 176.93 for the bronze.

The U.S. Jr. Elite Team did their share of globetrotting in July with a three-week, triple competition stint in Europe and successful showings at the French Open, Swiss Open and the Vienna Jr. Synchro competition. For many of the team members, which includes Californians Melinda Downey, Becky Dyroen, Lori McCoy, Lisa Poggensee, Jill Savery and Jill Sudduth along with Ohio residents Julie Doyle, Cheryl Schemenauer and Christine Youngpeters, this was the first exposure to international competition on foreign turf. The squad of 15-18 year olds was established with the intention of letting them gain some international experience.

The first stop on the tour was at the French Open, July 3-5, where the American contingent easily won the team title (182.59), followed by France (169.77) and Canada (165.23). Adding to the team's success were Dyroen's silver-medal performance in solo competition and McCoy and Savery's duet, also good for the silver.



(Photo by Nancy Hines)

The next week, the junior elites were in St. Maurice, Switzerland, for the Swiss Open and again surprised the more experienced swimmers with their advanced abilities. As in France, the Americans dominated the team event with a score of 181.47. Garnering the silver was the Netherlands (173.94), followed by Switzerland (170.94). In the solo event Jill Savery took fourth, as did the duet team of Doyle and Youngpeters.

The final stop on the tour was Vienna, where the U.S. contingent, in its first appearance in a European junior competition, completely dominated first through fourth places in the figures category.

Lori McCoy continued the win-

ning trend with a victory in solo, which was a five-point margin over silver-medalist, Karen Clark of Canada (170.86-165.76). McCoy was a component in another winning combination in duet, as she and Savery spread nearly seven points between themselves and second placers, Clark and Keri Clossen (164.83). □

USA National Team II (above) was the top team at American Cup III. Members were Tracy Fearnow, Jessica Hudacek, Jennifer and Patti Lynn, Heather Simmons, Robin Roberts, Anne Schulte and Nathalie Schneyder.

For the Record

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INTERNATIONAL

INTERNATIONAL MEET Vasteras, Sweden May 22-24, 1987 (50 M)

* National Record

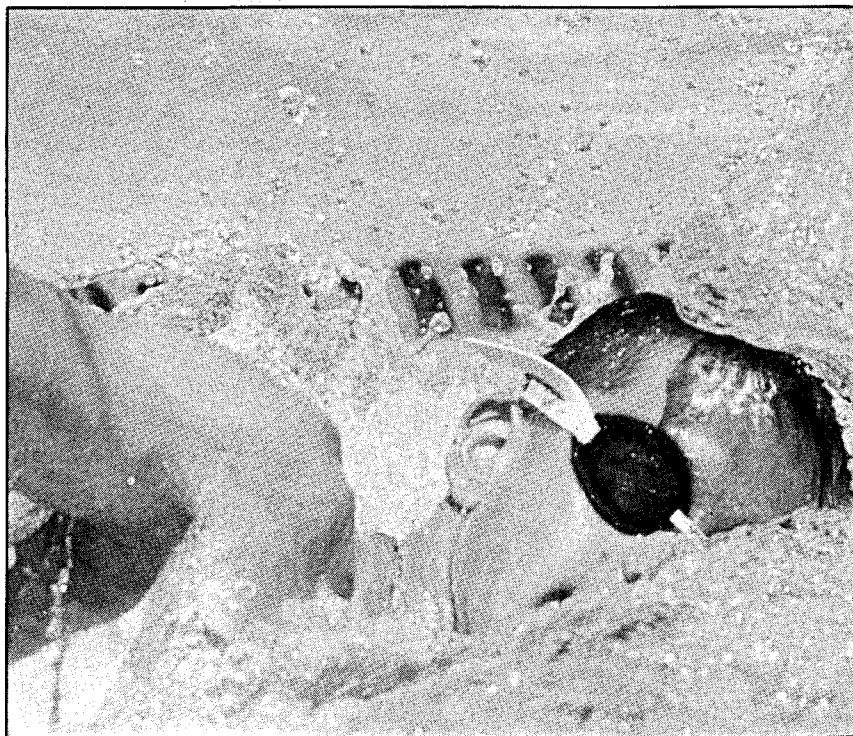
WOMEN

50 Free: 1. Eleonor Svensson, SWE, 27.36. 2. Marika Pettersson, SWE, 27.68. 3. Eva Nyberg, SWE, 27.69. 100 Free: 1. Karin Furuheid, SWE, 58.51. 2. Eva Nyberg, SWE, 58.68. 3. Manin Schulz, SWE, 59.21. 200 Free: 1. Agneta Eriksson, SWE, 2:05.23. 2. Eva Nyberg, SWE, 2:05.78. 3. Manin Schulz, SWE, 2:07.18. 400 Free: 1. Eva Nyberg, SWE, 4:21.68. 2. Anette Moller, SWE, 4:21.78. 3. Irene Dalby, NOR, 4:22.73. 800 Free: 1. Anette Moller, SWE, 8:57.43. 2. Anna Rosengren, SWE, 8:59.63. 3. Linn Madsen, NOR, 9:07.34. 100 Back: 1. Johanna Larsson, SWE, 1:04.77. 2. Katja Ziliox, FRG, 1:05.74. 3. Camilla Olsson, SWE, 1:06.68. 200 Back: 1. Johanna Larsson, SWE, 2:16.43. 2. Katja Ziliox, FRG, 2:19.14. 3. Camilla Olsson, SWE, 2:22.69. 100 Breast: 1. Iris Kipar, FRG, 1:15.60. 2. Lisa Lonn, SWE, 1:15.64. 3. Helena Kalvehed, SWE, 1:15.87. 200 Breast: 1. Iris Kipar, FRG, 2:38.84. 2. Helena Kalvehed, SWE, 2:41.54. 3. Asa Hedlund, SWE, 2:43.45. 100 Fly: 1. Agneta Eriksson, SWE, 1:03.56. 2. Annlo Edenhalm, SWE, 1:04.80. 3. Inez Hartmann, FRG, 1:05.32. 200 Fly: 1. Agneta Eriksson, SWE, 2:22.38. 2. Anette Philipsson, SWE, 2:22.41. 3. Inez Hartmann, FRG, 2:22.51. 200 IM: 1. Anette Philipsson, SWE, 2:21.50. 2. Helena Kalvehed, SWE, 2:21.74. 3. Sofia Kraft, SWE, 2:24.13. 400 IM: 1. Sofia Kraft, SWE, 4:57.09. 2. Anna Rosengren, SWE, 4:59.62. 3. Anette Philipsson, SWE, 5:00.06.

MEN

50 Free: 1. Goran Titus, SWE, 23.43. 2. Nils Hedberg, SWE, 23.91. 3. Joakim Holmquist, SWE, 23.93. 100 Free: 1. Goran Titus, SWE, 51.83. 2. Magnus Eriksson, SWE, 51.97. 3. Joakim Holmquist, SWE, 52.62. 200 Free: 1. Anders Holmertz, SWE, 1:52.13. 2. Thomas Lejdstrom, SWE, 1:53.98. 3. Goran Titus, SWE, 1:54.03. 400 Free: 1. Anders Holmertz, SWE, 4:01.26. 2. Jan Bidrman, SWE, 4:03.48. 3. Henrik Jangvall, SWE, 4:04.--. 1500 Free: 1. Jan Bidrman, SWE, 16:02.49. 2. Javier Torralardona, ESP, 16:07.74. 3. Anders Holmertz, SWE, 16:12.86. 100 Back: 1. Edward Edvardsson, ICE, 58.52. 2. Hans Fredin, SWE, 59.28. 3. Zbigniew Januskiewicz, POL, 1:00.79. 200 Back: 1. Edward Edvardsson, ICE, 2:07.86. 2. Hans Fredin, SWE, 2:08.43. 3. Zbigniew Januskiewicz, POL, 2:09.43. 100 Breast: 1. Per Andersson, SWE, 1:06.68. 2. Peter Berggren, SWE, 1:06.78. 3. Anders Stenstom, SWE, 1:06.91. 200 Breast: 1. Sergio Lopez, ESP, 2:20.86. 2. Jens Beck, FRG, 2:26.13. 3. Anders Stenstom, SWE, 2:26.50. 100 Fly: 1. Jose Luis Ballester, ESP, 55.85. 2. Thomas Lejdstrom, SWE, 57.32. 3. Anders Rasmusson, SWE, 57.36. 200 Fly: 1. Jan Bidrman, SWE, 2:03.60. 2. Peter Gee, AUS, 2:03.65. 3. Jose Ballester, ESP, 2:03.90. 200 IM: 1. Jan Bidrman, SWE, 2:07.56. 2. Anders Pettersson, SWE, 2:07.68. 3. Sergio Lopez, ESP, 2:09.18. 400 IM: 1. Jan Bidrman, SWE, 4:30.66. 2. Anders Pettersson, SWE, 4:35.56. 3. Roger Wiland, SWE, 4:41.56.

Alex Kostich (above), 17, of Bern's Gator won his first major international title by taking the 1500 free at the Pan Am Games. He dropped nearly 17 seconds from last year to 15:20.90.



(Photo by Tim Morse)

BELGIAN SWIMMING CUP Antwerp, Belgium May 23-24, 1987 (50 M)

* National Record

WOMEN

50 Free: 1. Tamara Costache, ROM, 25.90. 2. Elena Dendeberova, USSR, 26.92. 3. Nancy Engelen, BEL, 27.76. 100 Free: 1. Tamara Costache, ROM, 55.80. 2. June Croft, GBR, 59.38. 3. Natacha Hristova, BUL, 59.42. 400 Free: 1. Noemi Lung, ROM, 4:12.83. 2. Antoaneta Strumenlieva, BUL, 4:17.23. 3. Isabelle Arnould, BEL, 4:17.31. 100 Back: 1. Aneta Patrascoiu, ROM, 1:03.26. 2. Marion Zoller, FRG, 1:05.02. 3. Katherine Read, GBR, 1:06.32. 200 Back: 1. Aneta Patrascoiu, ROM, 2:14.11. 2. Katharine Read, GBR, 2:20.36. 3. Marion Zoller, FRG, 2:20.69. 100 Breast: 1. Ingrid Lempereur, BEL, 1:10.88. 2. Elena Dendemkova, USSR, 1:11.19. 3. Svetlana Kuzmina, USSR, 1:12.81. 200 Breast: 1. Ingrid Lempereur, BEL, 2:31.32. 2. Svetlana Kuzmina, USSR, 2:34.15. 3. Noemi Lung, ROM, 2:38.26. 100 Fly: 1. Elli Roussaki, GRE, 1:02.86. 2. Stela Pura, ROM, 1:02.91. 3. Caroline Foot, GBR, 1:03.28. 200 Fly: 1. Stela Pura, ROM, 2:12.18. 2. Elli Roussaki, GRE, 2:12.57. 3. Helen Bewley, GBR, 2:17.76. 200 IM: 1. Elena Dendeberova, USSR, 2:15.87. 2. Noemi Lung, ROM, 2:16.51. 3. Ingrid Lempereur, BEL, 2:21.56. 400 MR: 1. Romania (Patrascoiu 1:03.32), 4:18.37. 2. Belgium, 4:24.80. 3. West Germany, 4:29.47.

MEN

50 Free: 1. Bernd Hoffmeister, FRG, 23.50. 2. Tzvetan Golomeev, BUL, 23.52. 3. Ionut Musat, ROM, 23.56. 100 Free: 1. Tzvetan Golomeev, BUL, 50.91. 2. Mark Foster, GBR, 51.64. 3. Nikolai Evseev, USSR, 51.57. 400 Free: 1. Aleksandr Tohaev, USSR, 3:57.91. 2. Eduard Petrov, USSR, 4:00.09. 3. Robert Pinter, ROM, 4:05.18. 100 Back: 1. Sergey Zabolotnov, USSR, 56.78. 2. Gueorgui Mihalev, BUL, 59.27. 3. Babis Papanikolaou, GRE, 59.26. 200 Back: 1. Sergey Zabolotnov, USSR, 2:03.39. 2. Gueorgui Mihalev, BUL, 2:06.53. 3. Babis Papanikolaou, GRE, 2:08.81. 100 Breast: 1. Nick Gillingham, GBR, 1:05.19. 2. Sergey Sokolovski, USSR, 1:05.52. 3. Luc van de Vondel, BEL, 1:05.69. 200 Breast: 1. Sergey Sokolovski, USSR, 2:20.74. 2. Nick Gillingham, GBR, 2:21.45. 3. Luc van de Vondel, BEL, 2:23.93. 100 Fly: 1. Konstantin Petrov, USSR, 55.58. 2. Nikolai Evseev, USSR, 57.03. 3. Flavius Visan, ROM, 57.04. 200 Fly: 1. Tim Jones, GBR, 2:03.06. 2. Vadim Yaroshuk, USSR, 2:03.09. 3. Robert Pinter, ROM, 2:04.91. 200 IM: 1. Vadim Yaroshuk, USSR, 2:07.95. 2. Roland Lee, GBR, 2:09.46. 3. Bernd Glombitza, FRG, 2:09.84. 400 MR: 1. USSR (Zabolotnov 56.96), 3:51.84. 2. Great Britain, 3:55.15. 3. Belgium, 3:57.66.*

SEVEN HILLS MEET Rome, Italy May 29-31, 1987 (50 M)

* National Record

WOMEN

100 Free: 1. Heike Friedrich, GDR, 56.79. 2. Sabine Schulte, GDR, 57.11. 3. Silvia Persi, ITA, 57.38. 200 Free: 1. Heike Friedrich, GDR,

2:00.35. 2. Cecile Prunier, FRA, 2:03.53. 3. Anja Klemm, GDR, 2:03.64. 400 Free: 1. Heike Friedrich, GDR, 4:14.24. 2. Anja Klemm, GDR, 4:14.51. 3. Cecile Prunier, FRA, 4:18.64. 800 Free: 1. Anja Klemm, GDR, 8:39.17. 2. Roberta Felotti, ITA, 8:48.48. 3. Manuela Melchiorri, ITA, 8:48.69. 100 Back: 1. Manuela Carosi, ITA, 1:04.19. 2. Katrin Zimmermann, GDR, 1:04.23. 3. Svenja Schlicht, FRG, 1:04.42. 200 Back: 1. Katrin Zimmermann, GDR, 2:15.13. 2. Svenja Schlicht, FRG, 2:15.58. 3. Johanna Larsson, SWE, 2:17.73. 100 Breast: 1. Manuela Dalla Valle, ITA, 1:10.80. 2. Alicja Peczak, POL, 1:13.38. 3. A'Lisa Nisiro, ITA, 1:13.85. 200 Breast: 1. Manuela Dalla Valle, ITA, 2:35.51. 2. Simona Brighetti, ITA, 2:38.09. 3. A'Lisa Nisiro, ITA, 2:39.47. 100 Fly: 1. Hong Qian, CHN, 1:01.61. 2. Ilaria Tocchini, ITA, 1:01.70. 3. Monica Magni, ITA, 1:03.01. 200 Fly: 1. Ilaria Tocchini, ITA, 2:14.14. 2. Donna McGinnis, CAN, 2:15.99. 3. Carole Brook, SUI, 2:17.60. 200 IM: 1. Svenja Schlicht, FRG, 2:17.75. 2. Ilaria Tocchini, ITA, 2:18.07. 3. Zara Long, GBR, 2:20.39. 400 IM: 1. Roberta Felotti, ITA, 4:56.63. 2. Alicja Peczak, POL, 4:56.87. 3. Donna McGinnis, CAN, 4:57.24.

MEN

100 Free: 1. Giorgio Lamberti, ITA, 50.97. 2. Andrea Ceccarini, ITA, 51.66. 3. Jorg Wolthe, GDR, 52.07. 200 Free: 1. Giorgio Lamberti, ITA, 1:50.68. 2. Massimo Trevisan, ITA, 1:52.88. 3. Alessandro Ciucci, ITA, 1:53.57. 400 Free: 1. Giorgio Lamberti, ITA, 3:56.14. 2. Alessandro Ciucci, ITA, 3:57.97. 3. Massimo Trevisan, ITA, 3:59.58. 1500 Free: 1. Alessandro Ciucci, ITA, 15:39.84. 2. Stefano Battistelli, ITA, 15:42.33. 3. Harry Taylor, CAN, 15:43.42. 100 Back: 1. Alex Baumann, CAN, 58.67. 2. Patrick Ferland, SUI, 58.75. 3. Stefano Battistelli, ITA, 58.96. 200 Back: 1. Stefano Battistelli, ITA, 2:05.08. 2. Kevin Draxinger, CAN, 2:06.54. 3. Paolo Falchini, ITA, 2:07.99. 100 Breast: 1. Lorenzo Carbonari, ITA, 1:04.81. 2. Andrea Cecchi, ITA, 1:04.97. 3. Marco Cavazzoni, CAN, 1:05.69. 200 Breast: 1. Andrea Cecchi, ITA, 2:23.18. 2. Marco Cavazzoni, CAN, 2:24.41. 3. Andrea Cabiddu, ITA, 2:24.41. 100 Fly: 1. Tom Ponting, CAN, 54.48. 2. Carsten Hoffman, FRG, 56.33. 3. Fabrizio Rampazzo, ITA, 56.88. 200 Fly: 1. Tom Ponting, CAN, 2:00.39. 2. Jon Kelly, CAN, 2:02.97. 3. Carsten Hoffmann, FRG, 2:02.97. 200 IM: 1. Alex Baumann, CAN, 2:04.84. 2. Giovanni Franceschi, ITA, 2:05.47. 3. Luca Sacchi, ITA, 2:06.06. 400 IM: 1. Stefano Battistelli, ITA, 4:28.86. 2. Peter Bermet, FRG, 4:32.41. 3. Jon Kelly, CAN, 4:32.64.

ITALIAN NATIONAL CHAMPIONSHIPS Catania, Italy July 2-5, 1987 (50 M)

* National Record

WOMEN

50 Free: 1. Silvia Persi, 26.45. 2. Viviana Susin, 27.36. 3. Livio Soroldoni, 27.54. 100 Free: 1. Silvia Persi, 57.13. 2. Lucia Vigilano, 59.63. 3. Laura Spinadin, 59.73. 200 Free: 1. Tanya Vannini, 2:03.46. 2. Silvia Persi, 2:03.73. 3. Manuela Melchiorri, 2:04.20. 400 Free: 1. Manuela Melchiorri, 4:17.19. 2. Tanya Vannini, 4:18.55. 3. Francesca Cambrini, 4:19.28. 800 Free: 1. Manuela Melchiorri, 8:45.91. 2. Carla Lasi, 8:51.31. 3. Tanya Vannini, 8:52.80. 100 Back: 1. Manuela Carosi, 1:03.38. 2. Lorenza Vigarani, 1:04.36. ▶

For the Record

3. Giusti Patano, 1:04.55. **200 Back:** 1. Laura Savarino, 2:15.27*. 2. Lorenza Vigarani, 2:16.49. 3. Manuela Carosi, 2:19.40. **100 Breast:** 1. Manuela Dalla Valle, 1:10.71. 2. Rossella Pescatori, 1:12.05. 3. Laura Belotti, 1:14.30. **200 Breast:** 1. Manuela Dalla Valle, 2:32.89*. 2. Rossella Pescatori, 2:34.84. 3. Annalisa Nisiro, 2:37.38. **100 Fly:** 1. Iliaria Tocchini, 1:01.26. 2. Emanuela Viola, 1:03.22. 3. Caterina Borgato, 1:03.28. **200 Fly:** 1. Iliaria Tocchini, 2:13.71*. 2. Emanuela Piano, 2:16.51. 3. Francesca Cambini, 2:17.58. **200 IM:** 1. Iliaria Tocchini, 2:17.69. 2. Manuela Dalla Valle, 2:19.77. 3. Manuela Carosi, 2:21.12. **400 IM:** 1. Roberta Felotti, 4:56.50. 2. Monica Pavanello, 4:59.03. 3. Giovanna Fonda, 5:00.48. **400 MR:** 1. Roma N., 4:20.80. 2. Lib. SA-FA, 4:21.22. 3. Aurelia N., 4:25.96. **400 FR:** 1. Roma N., 3:57.19. 2. Aurelia N., 3:59.74. 3. Lib. SA-FA, 4:03.39. **800 FR:** 1. Roma N., 8:30.76. 2. Aurelia N., 8:43.04. 3. Lazio N., 8:44.27.

MEN
50 Free: 1. Giovanni Franceschi, 23.63. 2. Roberto Gleria, 23.83. 3. Andrea Ceccarini, 23.91. **100 Free:** 1. Giorgio Lamberti, 50.82*. 2. Roberto Gleria, 51.50. 3. Fabrizio Rampazzo, 51.52. **200 Free:** 1. Giorgio Lamberti, 1:49.08*. 2. Roberto Gleria, 1:49.88. 3. Massimo Trevisan, 1:52.31. **400 Free:** 1. Roberto Gleria, 3:52.75. 2. Alessandro Ciucci, 3:55.34. 3. Massimo Trevisan, 3:56.10. **1500 Free:** 1. Alessandro Ciucci, 15:28.42. 2. Massimo Trevisan, 15:28.85. 3. Stefano Battistelli, 15:29.30. **100 Back:** 1. Stefano Battistelli, 57.71*. 2. Stefano Segato, 58.70. 3. Mauro Martini, 58.96. **200 Back:** 1. Stefano Battistelli, 2:02.67*. 2. Luca Sacchi, 2:05.78. 3. Paolo Falchini, 2:06.56. **100 Breast:** 1. Lorenzo Carbonari, 1:04.02. 2. Andrea Cecchi, 1:04.22. 3. Gianni Minervini, 1:04.40. **200 Breast:** 1. Luca Sacchi, 2:21.45. 2. Mauro Aredi, 2:22.00. 3. Andrea Cecchi, 2:22.26. **100 Fly:** 1. Fabrizio Rampazzo, 55.11. 2. Giovanni Franceschi, 55.51. 3. Andrea Oriente, 56.02. **200 Fly:** 1. Umberto Cattaneo, 2:04.74. 2. Marco Pozzoni, 2:05.55. 3. Stefano De Alessi, 2:05.93. **200 IM:** 1. Luca Sacchi, 2:05.57. 2. Giovanni Franceschi, 2:08.03. 3. Andrea Cabiddu, 2:06.05. **400 IM:** 1. Stefano Battistelli, 4:22.50. 2. Luca Sacchi, 4:25.12. 3. Marco Braida, 4:34.41. **400 MR:** 1. Dival, 3:52.31. 2. Aniene, 3:52.95. 3. Rari 1904, 3:56.57. **400 FR:** Leonessa N., 3:24.09. 2. Fiamme Gialle, 3:30.80. 3. Aniene, 3:32.65. **800 FR:** Leonessa N., 7:33.07. 2. Fiamme Gialle, 7:38.46. 3. Aniene, 7:41.10.

AUSTRALIAN TEAM SELECTION TRIALS AND QUEENSLAND WINTER CHAMPIONSHIPS

Brisbane, Australia
July 22-25, 1987 (50 M)

* National Record

WOMEN
50 Free: 1. Angela Mullens, 26.49. 2. Karen Van Wirdum, 26.57. 3.

Angela Harris, 26.85. **100 Free:** 1. Angela Mullens, 57.77. 2. Karen Van Wirdum, 57.93. 3. Jacqui Grant, 58.55. **200 Free:** 1. Susie Baumer, 2:02.85. 2. Julie McDonald, 2:03.77. 3. Sheridan Burge-Lopez, 2:04.73. **400 Free:** 1. Julie McDonald, 4:14.06. 2. Susie Baumer, 4:15.89. 3. Sheridan Burge-Lopez, 4:16.79. **800 Free:** 1. Julie McDonald, 8:38.42. 2. Donna Procter, 8:40.40. 3. Shellie Cave, 8:46.70. **100 Back:** 1. Nicole Livingstone, 1:03.70. 2. Karen Lord, 1:04.40. 3. Pippa Downes, 1:06.92. **200 Back:** 1. Nicole Livingstone, 2:13.04. 2. Karen Lord, 2:13.33. 3. Astrid Howton, 2:19.54. **100 Breast:** 1. Angie Greenwood, 1:12.64. 2. Lara Hooiveld, 1:13.08. 3. Claudia Dullo, 1:14.25. **200 Breast:** 1. Angie Greenwood, 2:36.85. 2. Lara Hooiveld, 2:37.22. 3. Colette Gunn, 2:40.82. **100 Fly:** 1. Fiona Alessandri, 1:03.29. 2. Nicole Livingstone, 1:03.35. 3. Venessa Keane, 1:04.27. **200 Fly:** 1. Megan Johnston, 2:16.19. 2. Celina Hardy, 2:16.99. 3. Melinda Burley, 2:19.05. **200 IM:** 1. Pippa Downes, 2:20.16. 2. Donna Procter, 2:21.45. 3. Colette Gunn, 2:22.67. **400 IM:** 1. Donna Procter, 4:50.15*. 2. Pippa Downes, 4:53.27. 3. Anna McVann, 4:59.30.

MEN
50 Free: 1. Greg Fasala, 23.45. 2. Andrew Baildon, 23.64. 3. Dominic Sheldrick, 23.66. **100 Free:** 1. Thomas Stachewicz, 50.98. 2. Martin Roberts, 51.50. 3. Dominic Sheldrick, 51.87. **200 Free:** 1. Martin Roberts, 1:49.95. 2. Thomas Stachewicz, 1:50.39. 3. Duncan Armstrong, 1:50.41. **400 Free:** 1. Duncan Armstrong, 3:53.55. 2. Jason Plummer, 3:53.76. 3. Michael McKenzie, 3:55.05. **1500 Free:** 1. Michael McKenzie, 15:19.32. 2. Jason Plummer, 15:20.55. 3. Stuart Feenstra, 15:44.94. **100 Back:** 1. Carl Wilson, 57.96. 2. Simon Upton, 58.38. 3. Colin Irvine, 59.31. **200 Back:** 1. Simon Upton, 2:02.95. 2. Carl Wilson, 2:05.76. 3. Colin Irvine, 2:07.64. **100 Breast:** 1. Rod Lawson, 1:04.47. 2. Ian McAdam, 1:05.24. 3. Paul Lee, 1:05.51. **200 Breast:** 1. Ian McAdam, 2:20.40. 2. Rod Lawson, 2:20.43. 3. Paul Lee, 2:21.20. **100 Fly:** 1. Jon Sieben, 54.85. 2. Barry Armstrong, 55.36. 3. David Wilson, 56.01. **200 Fly:** 1. David Wilson, 1:59.91. 2. Peter Gee, 2:01.98. 3. Ian Brown, 2:02.76. **200 IM:** 1. Rob Woodhouse, 2:04.93. 2. Ian McAdam, 2:05.61. 3. Paul Lee, 2:06.46. **400 IM:** 1. Rob Woodhouse, 4:21.29*. 2. Robert Bruce, 4:27.30. 3. Brent Harding, 4:28.95.

EUROPEAN JUNIOR CHAMPIONSHIPS

Rome, Italy
July 23-26, 1987

** European Junior Championships Record

WOMEN
50 Free: 1. D. Hunger, GDR, 25.56. 2. K. Meissner, GDR, 25.64. 3. L. Copariu, ROM, 25.93. **100 Free:** 1. K. Meissner, GDR, 55.93*. 2. S. Schulte, GDR, 56.75. 3. L. Copariu, ROM, 57.04. **200 Free:** 1. O. Patron, ITA, 2:01.12. 2. S. Ortwig, FRG, 2:02.02. 3. L. Copariu, ROM, 2:02.40. **400 Free:** 1. P. Buchse, GDR, 4:13.26. 2. O. Patron, ITA, 4:15.37. 3. G. Muller, GDR, 4:16.68. **800 Free:** 1. G. Muller, GDR, 8:39.72. 2. J. Csabai, HUN, 8:42.70. 3. P. Buchse, GDR, 8:43.62. **100 Back:** 1. J. Larsson, SWE, 1:03.90. 2. A. Croitoru, ROM, 1:04.73. 3. B. de Wit, HOL, 1:05.11. **200 Back:** 1. J. Larsson, SWE, 2:14.51. 2. A. Szgyarto, ROM, 2:15.88. 3. A. Croitoru, ROM, 2:17.60. **100 Breast:** 1. A. Nisiro, ITA, 1:12.82. 2. S. Knipphals, GDR, 1:13.11. 3. K. Bulten, HOL, 1:13.23. **200 Breast:** 1. A. Nisiro, ITA, 2:35.05. 2. S. Knipphals, GDR, 2:36.55. 3. B. Kaszuba, POL, 2:37.99. **100 Fly:** 1. S. Schulte, GDR, 1:01.54. 2. C. Slevart, GDR, 1:01.88. 3. N. Koskko, HOL, 1:02.41. **200 Fly:** 1. J. Jacob, GDR, 2:14.75. 2. C. Dumitru, ROM, 2:15.12. 3. P. Buchse, GDR, 2:15.25. **200 IM:** 1. D. Hunger, GDR, 2:15.74. 2. D. Petricevic, YUG, 2:19.76. 3. A. Szgyarto, ROM, 2:20.15. **400 IM:** 1. D. Hunger, GDR, 4:48.16. 2. A. Petricevic, YUG, 4:52.96. 3. G. Muller, GDR, 4:58.14. **400 MR:** 1. GDR, 4:16.87. 2. Holland, 4:18.89. 3. Sweden, 4:21.77. **400 FR:** 1. GDR, 3:47.93. 2. Italy, 3:55.04. 3. Holland, 3:55.92. **800 FR:** 1. GDR, 8:14.61. 2. Romania, 8:22.86. 3. West Germany, 8:24.08.

MEN
50 Free: 1. S. Gunzel, GDR, 23.73. 2. B. Borisov, BUL, 24.14. 3. R. Guserpfi, ITA, 24.27. **100 Free:** 1. S. Gunzel, GDR, 52.29. 2. S. Dronsfield, GBR, 52.82. 3. T. Dahlgren, SWE, 52.98. **200 Free:** 1. B. Sanson, FRA, 1:54.19. 2. S. Gunzel, GDR, 1:55.03. 3. T. Dahlgren, SWE, 1:55.46. **400 Free:** 1. M. Pabst, GDR, 3:58.35. 2. B. Sanson, FRA, 3:58.43. 3. T. Kiss, HUN, 3:59.00. **1500 Free:** 1. J. Bruneton, FRA, 15:42.80. 2. M. Pabst, GDR, 15:44.22. 3. T. Kiss, HUN, 15:44.44. **100 Back:** 1. M. Savov, BUL, 58.46. 2. T. Gali, HUN, 59.48. 3. D. Holderbach, FRA, 59.64. **200 Back:** 1. D. Holderbach, FRA, 2:04.54. 2. A. Csepányi, HUN, 2:07.84. 3. L. Bianchi, ITA, 2:08.64. **100 Breast:** 1. T. Debnar, HUN, 1:04.38. 2. P. Suominen, FIN, 1:04.90. 3. R. Farber, GDR, 1:04.97. **200 Breast:** 1. T. Debnar, HUN, 2:19.98. 2. P. Suominen, FIN, 2:21.26. 3. C. Penicaud, FRA, 2:22.96. **100 Fly:** 1. R. Szulcika, POL, 56.78. 2. R. Wolf, TCH, 57.15. 3. S. Dronsfield, GBR, 57.85. **200 IM:** 1. Z. Horvath, HUN, 2:07.26. 2. B. Sanson, FRA, 2:08.44. 3. M. Savov, BUL, 2:09.68. **400 IM:** 1. B. Sanson, FRA, 4:33.30. 2. J. Letzin, GDR, 4:35.67. 3. A. Palloni, ITA, 4:36.52. **400 MR:** 1. Hungary, 3:55.91. 2. Bulgaria, 3:55.99. 3. GDR, 3:56.45. **400 FR:** 1. GDR, 3:33.31. 2. Great Britain, 3:34.11. 3. West Germany, 3:34.15. **800 FR:** 1. GDR, 7:42.22. 2. West Germany, 7:42.69. 3. Great Britain, 7:47.15.

GREAT BRITAIN ASA NATIONALS

Crystal Palace, Great Britain
July 29-Aug. 2, 1987 (50 M)

* National Record

WOMEN
50 Free: 1. Nicola Kennedy, 27.14. 2. Lisa Graham, 27.23. 3. Linda Donnelly, 27.44. **100 Free:** 1. Zara Long, 58.44. 2. Ruth Gillilan, 58.50. 3. Annette Cowley, 58.53. **200 Free:** 1. Ruth Gillilan, 2:03.79. 2. June Cort, 2:04.17. 3. Karen Mellor, 2:06.37. **400 Free:** 1. Ruth Gillilan, 4:18.83. 2. Karen Mellor, 4:19.81. 3. June Cort, 4:21.50. **800 Free:** 1. Karen Mellor, 8:54.77. 2. Paula Howard, 8:58.77. 3. Michelle Willey, 9:00.69. **100 Back:** 1. Kathy Read, 1:05.43. 2. Samantha Purvis, 1:06.43. 3. Jill

Ewing, 1:06.53. **200 Back:** 1. Kathy Read, 2:18.64. 2. Helen Slatter, 2:19.37. 3. Samantha Purvis, 2:20.35. **100 Breast:** 1. Suki Brownson, 1:12.32. 2. Lorraine Burt, 1:13.49. 3. Margaret Hohmann, 1:13.73. **200 Breast:** 1. Suki Brownson, 2:34.95. 2. Helen Frank, 2:39.75. 3. Helen Walby, 2:40.34. **100 Fly:** 1. Samantha Purvis, 1:03.23. 2. Madeleine Scarborough, 1:03.32. 3. Caroline Fyfe, 1:03.43. **200 Fly:** 1. Helen Bewley, 2:15.28. 2. Samantha Purvis, 2:16.78. 3. Lynne Wilson, 2:17.63. **200 IM:** 1. Zara Long, 2:20.55. 2. Suki Brownson, 2:20.98. 3. Lisa Graham, 2:23.10. **400 IM:** 1. Gaynor Stanley, 4:56.88. 2. Tracey Atkin, 4:59.08. 3. Shona Smart, 4:59.58. **400 MR:** 1. Stockport, 4:23.63. 2. Wigan, 4:25.44. 3. Beckenham, 4:28.31. **400 FR:** 1. Wigan, 3:56.56. 2. Beckenham, 3:58.77. 3. Stockport, 4:02.05.

MEN

50 Free: 1. Mark Foster, 23.30*. 2. Roland Lee, 23.45. 3. Michael Fibbens, 23.76. **100 Free:** 1. Roland Lee, 50.91*. 2. Michael Fibbens, 51.18. 3. Mark Foster, 51.21. **200 Free:** 1. Jonathan Broughton, 1:51.84. 2. Trevor Hodges, 1:53.15. 3. Roland Lee, 1:53.16. **400 Free:** 1. Kevin Boyd, 3:57.88. 2. Jonathan Broughton, 4:00.54. 3. Grant Robins, 4:01.38. **1500 Free:** 1. Kevin Boyd, 15:49.23. 2. Andrew Pearce, 15:57.50. 3. Stephen Willis, 16:03.39. **100 Back:** 1. Gary Binfield, 58.35. 2. Neil Cochran, 58.36. 3. John Davey, 59.07. **200 Back:** 1. John Davey, 2:04.16*. 2. Gary Binfield, 2:04.72. 3. Patrick Blake, 2:06.94. **100 Breast:** 1. Adrian Moorhouse, 1:03.29. 2. Nick Gillingham, 1:04.30. 3. Iain Campbell, 1:05.02. **200 Breast:** 1. Nick Gillingham, 2:18.18. 2. Iain Campbell, 2:19.32. 3. Murray Buswell, 2:21.33. **100 Fly:** 1. Neil Cochran, 55.49. 2. Gary Binfield, 55.57. 3. Michael Fibbens, 56.27. **200 Fly:** 1. Stephen Poulter, 2:03.26. 2. Nick Hodgson, 2:04.04. 3. Tim Jones, 2:04.09. **200 IM:** 1. Gary Binfield, 2:05.41. 2. Paul Brew, 2:05.72. 3. Peter O'Sullivan, 2:07.43. **400 IM:** 1. John Davey, 4:24.20*. 2. Stephen Poulter, 4:29.02. 3. Grant Robins, 4:33.34. **400 MR:** 1. Birmingham, 3:54.91. 2. Beckenham, 3:56.52. 3. Manchester, 3:57.66. **400 FR:** 1. Birmingham, 3:26.38. 2. Salford, 3:29.97. 3. Beckenham, 3:33.21.

X PAN AMERICAN GAMES

Indianapolis, Ind.
Aug. 9-15, 1987 (50 M)

* National Record
Games Record

WOMEN

50 Free (Aug. 15): 1. Jenny Thompson, USA, 26.09#. 2. Silvia Poli, CRC, 26.32*. 3. Jeanne Doolan, USA, 26.34. 4. Karen Diefenthaler, TRI, 27.16. 5. Adriana Pereira, BRA, 27.17. 6. Cheryl McArthur, CAN, 27.18. 7. Virginia Sacher, ARG, 27.18. 8. Ana Rios, PUR, 27.58. **100 Free (Aug. 9):** 1. Silvia Poli, CRC, 56.39 (56.10*). 2. Sara Linke, USA, 57.30. 3. Jenny Thompson, USA, 57.46. 4. Cheryl McArthur, CAN, 58.56. 5. Sally Gilbert, CAN, 58.65. 6. Karen Diefenthaler, TRI, 58.74. 7. Patricia Kohlmann, MEX, 58.94. 8. Virginia Sacher, ARG, 1:00.88. **200 Free (Aug. 10):** 1. Silvia Poli, CRC, 2:00.02*. 2. Whitney Hedgepeth, USA, 2:02.06. 3. Sara Linke, USA, 2:04.00. 4. Denise Gereghy, CAN, 2:05.64. 5. Patricia Amorim, BRA, 2:05.70. 6. Karen Diefenthaler, TRI, 2:07.15. 7. Sally Gilbert, CAN, 2:08.66. 8. Miriam Artur, BRA, 2:10.02. **400 Free (Aug. 11):** 1. Julie Martin, USA, 4:11.87. 2. Barbara Metz, USA, 4:13.25. 3. Megan Holliday, CAN, 4:20.78. 4. Jolene Cowan, CAN, 4:21.75. 5. Patricia Amorim, BRA, 4:21.99. 6. Miriam Artur, BRA, 4:30.63. 7. Brendali Sierra, PUR, 4:31.28. 8. Sandra Bohorquez, COL, 4:37.48. **800 Free (Aug. 14):** 1. Megan Holliday, CAN, 8:52.60. 2. Debbie Babashoff, USA, 8:42.77. 3. Patricia Amorim, BRA, 9:03.95. 6. Brendali Sierra, PUR, 9:18.58. 7. Miriam Artur, BRA, 9:25.80. **100 Back (Aug. 11):** 1. Silvia Poli, CRC, 1:02.18*. 2. Holly Green, USA, 1:03.15. 3. Michelle Donahue, USA, 1:03.30. 4. Manon Simard, CAN, 1:04.72. 5. Cristiane Santos, BRA, 1:06.89. 6. Teresa Rivera, MEX, 1:07.88. 7. Beatriz Villa, COL, 1:08.68. 8. Leticia Morales, ARG, 1:09.04. **200 Back (Aug. 15):** 1. Katie Welch, USA, 2:13.65#. 2. Silvia Poli, CRC, 2:14.18*. 3. Holly Green, USA, 2:14.75. 4. Manon Simard, CAN, 2:18.80. 5. Anne-Marie Andersen, CAN, 2:22.70. 6. Rita Garay, PUR, 2:23.07. 7. Cristiane Santos, BRA, 2:26.43. 8. Teresa Rivera, MEX, 2:27.84. **100 Breast (Aug. 13):** 1. Keltie Duggan, CAN, 1:12.46. 2. Lori Hsieck, USA, 1:12.52. 3. Terri Baxter, USA, 1:12.99. 4. Alicia Boscatto, ARG, 1:13.58. 5. Valentina Aracil, ARG, 1:15.44. 6. Karen Horning, PER, 1:15.59. 7. Georgiana Magalhaes, BRA, 1:16.52. 8. Kathy Ruiz, PUR, 1:17.97. **200 Breast (Aug. 10):** 1. Dorsey Tierney, USA, 2:36.87. 2. Alicia Boscatto, ARG, 2:37.09. 3. Kathy Smith, USA, 2:37.57. 4. Keltie Duggan, CAN, 2:37.79. 5. Karen Horning, PER, 2:41.32. 6. Georgiana Magalhaes, BRA, 2:44.28. 7. Monserrat Hidalgo, CRC, 2:46.58. 8. Kathy Ruiz, PUR, 2:50.61. **100 Fly (Aug. 13):** 1. Janel Jorgensen, USA, 1:01.28. 2. Kristen Elias, USA, 1:01.54. 3. Robin Ruggiero, CAN, 1:03.67. 4. Sally Gilbert, CAN, 1:03.91. 5. Gabriela Gaja, MEX, 1:04.66. 6. Marlene Bruten, MEX, 1:04.75. 7. Sandra Rewette, VEN, 1:04.97. 8. Deborah Reis, BRA, 1:05.44. **200 Fly (Aug. 15):** 1. Kara McGrath, USA, 2:12.74. 2. Michelle Griglione, USA, 2:15.03. 3. Shay McNicoll, CAN, 2:17.58. 4. Blanca Morales, GUA, 2:19.10. 5. Marlene Bruten, MEX, 2:19.75. 6. Robin Ruggiero, CAN, 2:20.08. 7. Sandra Rewette, VEN, 2:21.04. 8. Sandra Bohorquez, COL, 2:24.14. **200 IM (Aug. 14):** 1. Susan Habermas, USA, 2:18.22. 2. Cathy Ritch, USA, 2:20.06. 3. Karin Helmstaedt, CAN, 2:21.59. 4. Cheryl McArthur, CAN, 2:23.14. 5. Valentina Aracil, ARG, 2:25.54. 6. Claudia Sprengel, BRA, 2:26.92. 7. Patricia Kohlmann, MEX, 2:26.94. 8. Ana Rios, PUR, 2:27.00. **400 IM (Aug. 9):** 1. Tami Bruce, USA, 4:49.34. 2. Katie Welch, USA, 4:51.32. 3. Karin Helmstaedt, CAN, 4:57.04. 4. Valentina Aracil, ARG, 5:03.55. 5. Marlene Bruten, MEX, 5:08.30. 6. Rachel Brinn, JAM, 5:13.76. 7. Claudia Sprengel, BRA, 5:15.35. **400 MR (Aug. 14):** 1. USA (Holy Green), 1:03.11. Lori Hsieck 1:11.84. Janel Jorgensen 1:00.75. Sara Linke 57.22. 4:12.92#. 2. Canada, 4:17.78. 3. Costa Rica (Silvia Poli 1:01.86*), 4:23.11. 4. Brazil, 4:27.46. 5. Puerto Rico, 4:31.34. 6. Argentina, 4:40.00. **400 FR (Aug. 11):** 1. USA (Kathy Coffin 3:57.58, Jenny Thompson 3:56.58, Sara Linke 3:57.53, Carrie Steinseltner 3:56.99), 3:48.68. 2. Canada, 3:52.25. 3. Costa Rica (Silvia Poli 3:55.52 anchor), 3:55.43. 4. Brazil, 3:57.92. 5. Argentina, 4:09.45. 6. Puerto Rico, 4:00.00. **800 FR (Aug. 9):** 1. USA (Susan Habermas 2:03.34, Sara Linke 2:04.54, Pam Hayden 2:02.44, Whitney Hedgepeth 2:03.02), 8:13.34. 2. Costa Rica (Silvia Poli 1:56.36 anchor), 8:24.25. 3. Canada, 8:25.69. 4. Brazil, 8:37.38. 5. Mexico, 8:55.18. 6. Puerto Rico, 8:57.51.

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- * COMPETITIVE FIELD
- * PRELIMS AND FINALS

FOR INFORMATION WRITE:
CARMEL SWIM CLUB
P.O. BOX 672
CARMEL, INDIANA 46032
(317) 848-1047

For the Record

MEN

50 Free (Aug. 14): 1. Tom Williams, USA, 22:55. 2. Mike Neuhofer, USA, 22:84. 3. Claude Lamy, CAN, 23:39. 4. Hilton Woods, AHO, 23:39. 5. Brad Creelman, CAN, 23:96. 6. Fernando Rodriguez, PER, 24:16. 7. Rodrigo Gonzalez, MEX, 24:27. 8. Jorge Fernandez, BRA, 24:39. **100 Free (Aug. 11):** 1. Todd Dudley, USA, 50:24. 2. Scott McCadam, USA, 50:81. 3. Mark Andrews, TRI, 51:24. 4. Claude Lamy, CAN, 51:48. 5. Jorge Fernandez, BRA, 51:95. 6. Hilton Woods, AHO, 52:13. 7. Darren Ward, CAN, 52:38. 8. Antonio Portela, PUR, 52:46. **200 Free (Aug. 9):** 1. John Witchei, USA, 1:50:90. 2. Carlos Scavano, URU, 1:51:21. 3. Brian Jones, USA, 1:52:11. 4. Julio Lopez, BRA, 1:52:15. 5. Gary Vandemeulen, CAN, 1:52:44. 6. Cristiano Michelena, BRA, 1:52:89. 7. Darren Ward, CAN, 1:53:38. 8. Luis Morell, PUR, 1:53:57. **400 Free (Aug. 13):** 1. Paul Robinson, USA, 3:54:44. 2. Cristiano Michelena, BRA, 3:55:37. 3. Scott Brackett, USA, 3:55:84. 4. Chris Chalmers, CAN, 3:55:70. 5. Gary Vandemeulen, CAN, 3:57:35. 6. Carlos Scavano, URU, 3:59:36. 7. Luis Morell, PUR, 4:02:66. 8. Richard Korhammer, COL, 4:04:76. **1500 Free (Aug. 15):** 1. Alex Kostich, USA, 15:20:90. 2. Lars Jorgensen, USA, 15:24:09. 3. Chris Chalmers, CAN, 15:30:51. 4. Cristiano Michelena, BRA, 15:52:53. 5. Luis Morell, PUR, 15:56:96. 6. Pedro Carrio, CUB, 16:03:12. 7. Raul Calmet, PER, 16:04:22. 8. Jose Vazquez, PUR, 16:07:24. **100 Back (Aug. 14):** 1. Andy Gill, USA, 56:56. 2. David Berkoff, USA, 57:35. 3. Alejandro Alvizuri, PER, 58:65. 4. Ray Brown, CAN, 58:66. 5. Gary Vandemeulen, CAN, 58:91. 6. Manuel Guzman, PUR, 59:24. 7. Ernesto Vela, MEX, 59:83. 8. Rene Saez, CUB, 1:00:68. **200 Back (Aug. 11):** 1. Mike O'Brien, USA, 2:02:29. 2. Ricardo Prado, BRA, 2:03:75. 3. Ray Brown, CAN, 2:04:28. 4. Gary Vandemeulen, CAN, 2:05:29. 5. Jerry Frentos, USA, 2:05:42. 6. Alejandro Alvizuri, PER, 2:05:63. 7. Ernesto Vela, MEX, 2:05:45. 8. Rene Saez, CUB, 2:09:66. **100 Breast (Aug. 9):** 1. Richard Korhammer, USA, 1:03:65. 2. David Lundberg, USA, 1:04:11. 3. Darcy Wallingford, CAN, 1:04:55. 4. Pedro Hernandez, CUB, 1:05:20. 5. Marco Cavazzoni, CAN, 1:05:36. 6. Cicero Tortelli, BRA, 1:05:92. 7. Paul Newallo, TRI, 1:05:97. 8. Manuel Gutierrez, PAN, 1:05:99. **200 Breast (Aug. 13):** 1. Jeff Kubliak, USA, 2:17:62. 2. Mike Barrowman, USA, 2:19:29. 3. Darcy Wallingford, CAN, 2:22:01. 4. Javier Careaga, MEX, 2:22:44. 5. Marco Cavazzoni, CAN, 2:22:63. 6. Manuel Gutierrez, PAN, 2:24:96. 7. Cicero Tortelli, BRA, 2:24:96. 8. Paul Newallo, TRI, 2:26:36. **100 Fly (Aug. 10):** 1. Anthony Nesty, SUR, 53:89. 2. Wade King, USA, 54:33. 3. Duffy Dillon, USA, 54:45. 4. Antonio Portela, PUR, 56:24. 5. Peter Ward, CAN, 56:25. 6. Brad Creelman, CAN, 56:25. 7. Otavio Silva, BRA, 56:32. 8. Mark Andrews, TRI, 57:50. **200 Fly (Aug. 14):** 1. Bill Stapleton, USA, 2:00:70. 2. Jayma Taylor, USA, 2:00:73. 3. Anthony Nesty, SUR, 2:01:09. 4. Peter Ward, CAN, 2:02:52. 5. Mike Meldrum, CAN, 2:02:98. 6. Ricardo Jimenez, VEN, 2:03:42. 7. Hans Palacios, ECU, 2:06:67. 8. Luis Correa, NCA, 2:08:52. **200 IM (Aug. 15):** 1. Bill Stapleton, USA, 2:03:56. 2. Paul Wallace, USA, 2:04:92. 3. Ricardo Prado, BRA, 2:04:94. 4. Darren Ward, CAN, 2:06:27. 5. Manuel Guzman, PUR, 2:06:40. 6. Rodrigo Gonzalez, MEX, 2:07:95. 7. Javier Careaga, MEX, 2:09:00. 8. Julio Lopez, BRA, 2:09:02. **400 IM (Aug. 10):** 1. Jerry Frentos, USA, 4:23:92. 2. Jeff Prior, USA, 4:26:31. 3. Mike Meldrum, CAN, 4:29:63. 4. Renato

Ramallo, BRA, 4:32:47. 5. Ray Brown, CAN, 4:33:47. 6. Javier Careaga, MEX, 4:34:13. 7. Ricardo Jimenez, VEN, 4:34:19. 8. Rhett Chee Ping, TRI, 4:42:88. **400 MR (Aug. 15):** 1. USA (Andy Gill 56:59, Richard Korhammer 1:02:36, Wade King 54:68, Todd Dudley 50:02), 3:43:65. 2. Canada, 3:49:77. 3. Brazil, 3:50:29. 4. Cuba, 3:55:93. 5. Puerto Rico, 4:01:92. 6. Argentina, 4:03:06. 7. Panama, 4:06:64. 8. USVI, 4:20:21. **400 FR (Aug. 13):** 1. USA (Jim Born 50:54, Scott McCadam 50:07, Paul Robinson 49:89, Todd Dudley 49:47), 3:19:97. 2. Canada, 3:26:09. 3. Brazil, 3:27:11. 4. Puerto Rico, 3:30:89. 5. Argentina, 3:34:46. 6. Cuba, 3:35:44. 7. Panama, 3:38:70. 8. USVI, 3:51:19. **800 FR (Aug. 10):** 1. USA (Paul Robinson 1:50:07, Brian Jones 1:51:31, Mike O'Brien 1:51:21, John Witchei 1:50:70), 7:23:29. 2. Canada, 7:29:84. 3. Brazil, 7:29:92. 4. Puerto Rico, 7:43:71. 5. Cuba, 7:48:80. 6. Panama, 8:01:39. 7. USVI, 8:32:87.

NIKON PAN PACIFIC SWIMMING CHAMPIONSHIPS Brisbane, Australia Aug. 13-16, 1987 (50 M)

•• World Record
• American Record
Commonwealth Record

WOMEN

50 Free: 1. Anna Pettis-Scott, USA, 26:16. 2. Lisa Dorman, USA, 26:33. 3. Karen Van Wirdum, AUS, 26:44. 4. Angela Mullens, AUS, 26:59. 5. Yaping Lou, CHN, 26:60. 6. Andrea Nugent, CAN, 26:82. 7. Fujie Xia, CHN, 26:92. 8. Yoko Simao, JPN, 27:16. **100 Free:** 1. Dara Torres, USA, 55:86. 2. Jenna Johnson, USA, 56:11. 3. Jane Kerr, CAN, 57:13. 4. Jacki Grant, AUS, 57:73. 5. Karen Van Wirdum, AUS, 58:22. 6. Fujie Xia, CHN, 58:27. 7. Yoko Simao, JPN, 58:35. 8. Yaping Lou, CHN, 59:48. **200 Free:** 1. Mitzi Kremer, USA, 2:01:34. 2. Susie Baumer, USA, 2:01:74. 3. Françoise O'Leary, USA, 2:01:82. 4. Jane Kerr, CAN, 2:02:42. 5. Julie McDonald, AUS, 2:02:91. 6. Miki Wakahoi, JPN, 2:03:48. 7. Patricia Noall, CAN, 2:05:37. 8. Chikako Nakamori, JPN, 2:05:42. **400 Free:** 1. Janet Evans, USA, 4:09:32. 2. Julie McDonald, AUS, 4:10:18. 3. Susie Baumer, AUS, 4:11:32. 4. Tiffany Cohen, USA, 4:11:67. 5. Tomomi Hosoda, JPN, 4:14:11. 6. Miki Wakahoi, JPN, 4:14:52. 7. Elissa Purvis, USA, 4:19:37. 8. Sophie Dufour, CAN, 4:20:65. **800 Free:** 1. Julie McDonald, AUS, 8:23:18. 2. Janet Evans, USA, 8:33:11. 3. Donna Procter, AUS, 8:34:47. 4. Kim Brown, USA, 8:35:69. 5. Tomomi Hosoda, JPN, 8:39:91. 6. Miki Wakahoi, JPN, 8:45:18. 7. Sophie Dufour, CAN, 8:46:42. 8. Elissa Purvis, CAN, 8:49:73. **100 Back:** 1. Nicole Livingstone, AUS, 1:02:64. 2. Kristen Linehan, USA, 1:03:50. 3. Susan O'Brien, USA, 1:04:00. 4. Karen Lord, AUS, 1:04:02. 5. Sharon Musson, NZL, 1:05:26. 6. Lori Melien, CAN, 1:04:34. 7. Nancy Gribben, CAN, 1:05:22. 8. Satoko Morishita, JPN, 1:05:28. **200 Back:** 1. Nicole Livingstone, AUS, 2:11:84. 2. Andrea Hayes, USA, 2:13:12. 3. Beth Barr, USA, 2:14:21. 4. Karen Lord, AUS, 2:15:48. 5. Satoko Morishita, JPN, 2:18:08. 6. Miho Koike, JPN,

2:18:36. 7. Nancy Gribben, CAN, 2:18:69. 8. Sharon Musson, NZL, 2:19:31.

100 Breast: 1. Allison Higson, CAN, 1:09:92. 2. Gyuilaine Cloutier, CAN, 1:11:24. 3. Xiaomin Huang, CHN, 1:11:29. 4. Susan Johnson, USA, 1:11:41. 5. Lara Hoolveld, AUS, 1:11:92. 6. Angie Greenwood, AUS, 1:12:18. 7. Jenny Hsu, USA, 1:12:92. 8. Sung Won Park, KOR, 1:14:47. **200 Breast:** 1. Amy Shaw, USA, 2:29:58. 2. Xiaomin Huang, CHN, 2:29:66. 3. Susan Johnson, USA, 2:32:60. 4. Allison Higson, CAN, 2:33:37. 5. Gyuilaine Cloutier, CAN, 2:33:84. 6. Asako Natsume, JPN, 2:35:87. 7. Haruka Yoshimura, JPN, 2:38:33. 8. Lara Hoolveld, AUS, 2:39:51.

100 Fly: 1. Hong Qian, CHN, 1:00:39. 2. Angel Meyers, USA, 1:00:62. 3. Jenna Johnson, USA, 1:00:90. 4. Kiyomi Takahashi, JPN, 1:02:18. 5. Takayo Kitano, JPN, 1:02:55. 6. Fiona Allesandri, AUS, 1:02:71. 7. Megan Johnston, AUS, 1:02:82. 8. Mojca Cater, CAN, 1:03:23. **200 Fly:** 1. Kelley Davies, USA, 2:12:51. 2. Takayo Kitano, JPN, 2:12:76. 3. Kiyomi Takahashi, JPN, 2:12:98. 4. Melanie Buddemeyer, USA, 2:13:72. 5. Donna McGinnis, CAN, 2:14:51. 6. Mojca Cater, CAN, 2:15:16. 7. Megan Johnston, AUS, 2:16:30. 8. Shellee Cave, AUS, 2:18:69.

200 IM: 1. Angel Meyers, USA, 2:17:52. 2. Allison Higson, CAN, 2:18:39. 3. Jane Kerr, CAN, 2:20:15. 4. Pippa Downes, AUS, 2:20:32. 5. Fujie Xia, CHN, 2:20:58. 6. Hong Qian, CHN, 2:20:69. 7. Donna Procter, AUS, 2:21:12. 8. Katy Arris, USA, 2:21:49. **400 IM:** 1. Janet Evans, USA, 4:44:99. 2. Garland O'Keefe, USA, 4:47:13. 3. Donna Procter, AUS, 4:47:40. 4. Pippa Downes, AUS, 4:52:48. 5. Caroline Teskey, CAN, 4:55:65. 6. Nancy Lovrinic, CAN, 4:57:88. 7. Kumi Kuramoto, JPN, 4:59:72. 8. Yoshi Nishioka, JPN, 5:00:81.

400 MR: 1. USA (Kristin Linehan 1:03:66, Susan Johnson 1:10:50, Angel Myers 1:00:01, Dara Torres 55:33), 4:09:50. 2. Canada, 4:13:90. 3. China, 4:14:22. 4. Australia, 4:14:84. 5. Japan, 4:19:55. 6. New Zealand, 4:31:73. **400 FR:** 1. USA (Jenna Johnson 56:02, Grace Cornilius 55:76, Laura Walker 56:55, Dara Torres 55:57), 3:43:90. 2. China, 3:49:34. 3. Australia, 3:49:48. 4. Canada, 3:51:25. 5. Japan, 3:52:67. 6. New Zealand, 4:03:45. **800 FR:** 1. USA (Mitzi Kremer 2:01:01, Trina Radke 2:02:65, Nancy Marley 2:00:70, Françoise O'Leary 2:02:19), 8:06:54. 2. Australia, 8:13:58. 3. Canada, 8:16:82. 4. Japan, 8:20:11.

MEN

50 Free: 1. Tom Jager, USA, 22:32. 2. Matt Biondi, USA, 22:81. 3. Andrew Baildon, AUS, 23:45. 4. Vlastimil Cerny, CAN, 23:50. 5. Dominic Sheldrick, AUS, 23:57. 6. Blair Hicken, CAN, 23:93. 7. Kwok Wah Wong, HKG, 24:42. 8. Katsunori Fujiwara, JPN, 24:58. **100 Free:** 1. Matt Biondi, USA, 49:73. 2. Craig Oppel, USA, 50:11. 3. Thomas Stachewicz, AUS, 50:84. 4. Marcel Gery, CAN, 50:98. 5. Dominic Sheldrick, AUS, 51:18. 6. Sandy Goss, CAN, 51:25. 7. Ross Anderson, NZL, 52:22. 8. Katsunori Fujiwara, JPN, 53:19. **200 Free:** 1. Craig Oppel, USA, 1:49:12. 2. Thomas Stachewicz, AUS, 1:49:61. 3. Marcel Gery, CAN, 1:49:64. 4. Martin Roberts, AUS, 1:49:88. 5. Troy Dalbey, JPN, 1:50:65. 6. Don Haddow, CAN, 1:52:02. 7. Takahiro Tagawa, JPN, 1:55:17. 8. Richard Tapper, NZL, 1:55:63. **400 Free:** 1. Matt Cellinski, USA, 3:49:51. 2. Sean Killion, USA, 3:52:47. 3. Jason Plummer, AUS, 3:53:50. 4. Chris Bowie, CAN, 3:54:22. 5.

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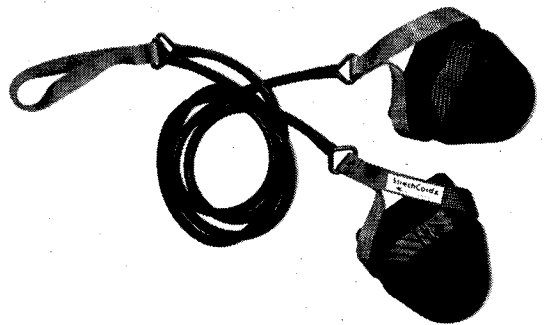
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For the Record



Photo by LIVE ACTION

Turlough O'Hare, CAN, 3:59.24. 6. Scott Hamlet, AUS, 3:59.53. 7. Dai Wang, CHN, 4:00.15. 8. Tomohiro Noguchi, JPN, 4:00.93. 1500 Free: 1. Michael McKenzie, AUS, 15:08.08 (8:02.09#). 2. Dan Jorgensen, USA, 15:12.09. 3. Jason Plummer, AUS, 15:17.23. 4. Harry Taylor, CAN, 15:23.44. 5. Alex Mlawsky, USA, 15:32.90. 6. Kyle Seeback, CAN, 15:37.33. 7. Masashi Katoh, JPN, 16:07.28. 8. Tomohiro Noguchi, JPN, 16:23.62.

100 Back: 1. Mark Tewksbury, CAN, 55.89#. 2. Daichi Suzuki, JPN, 56.07. 3. Paul Kingsman, NZL, 57.55. 4. Sean Murphy, CAN, 57.58. 5. Scot Johnson, USA, 57.60. 6. Carl Wilson, AUS, 57.98. 7. Simon Upton, AUS, 58.21. 8. Jay Mortenson, USA, 59.34. **200 Back:** 1. Dan Veatch, USA, 2:01.38. 2. Mark Tewksbury, CAN, 2:01.58. 3. Kevin Draxinger, CAN, 2:03.54. 4. Scot Johnson, USA, 2:03.84. 5. Paul Kingsman, NZL, 2:04.15. 6. Daichi Suzuki, JPN, 2:04.71. 7. Simon Upton, AUS, 2:05.09. 8. Carl Wilson, AUS, 2:07.43.

100 Breast: 1. Victor Davis, CAN, 1:02.85. 2. Richard Schroeder, USA, 1:03.27. 3. Rodney Lawson, AUS, 1:04.37. 4. Rick May, USA, 1:04.97. 5. Ian McAdam, AUS, 1:04.98. 6. Cam Grant, CAN, 1:05.01. 7. Hironobu Nagahata, JPN, 1:05.05. 8. Hisashi Fuwa, JPN, 1:08.31. **200 Breast:** 1. Steve Bentley, USA, 2:14.99*. 2. Brett Beedle, USA, 2:17.80. 3. Victor Davis, CAN, 2:18.27. 4. Rodney Lawson, AUS, 2:19.47. 5. Cam Grant, CAN, 2:19.75. 6. Ian McAdam, AUS, 2:20.89. 7. Craig Thomas, NZL, 2:25.14. 8. Richard Lockhard, NZL, DQ.

100 Fly: 1. Pablo Morales, USA, 53.37. 2. Jon Sieben, AUS, 54.21. 3. Matt Biondi, USA, 54.34. 4. Marcel Gery, CAN, 54.37. 5. Tom Ponting, CAN, 54.89. 6. David Wilson, AUS, 55.64. 7. Yukinori Tanaka, JPN, 55.67. 8. Ross Anderson, NZL, 56.64. **200 Fly:** 1. Melvin Stewart, USA, 1:58.05. 2. Tom Ponting, CAN, 1:58.99. 3. David Wilson, AUS, 1:59.06. 4. Jon Kelly, CAN, 2:00.01. 5. Bobby Patten, USA, 2:00.44. 6. Satoshi Nakagawa, JPN, 2:02.42. 7. Yukinori Tanaka, JPN, 2:02.43. 8. Yi Ming Tang, HKG, 2:08.48.

200 IM: 1. David Wharton, USA, 2:02.49. 2. Alex Baumann, CAN, 2:02.50. 3. Pablo Morales, USA, 2:03.31. 4. Rob Woodhouse, AUS, 2:03.93. 5. Jon Kelly, CAN, 2:05.56. 6. Ian McAdam, AUS, 2:05.71. 7. Brent Foster, NZL, 2:09.95. 8. Rene Schreuder, PHI, 2:12.93. **400 IM:** 1. David Wharton, USA, 4:16.12*. 2. Alex Baumann, CAN, 4:18.46. 4. Rob Woodhouse, AUS, 4:18.05. 5. Alex Baumann, CAN, 4:18.46. 4. Jeff Kostoff, USA, 4:25.58. 5. Jon Kelly, CAN, 4:27.61. 6. Robert Bruce, AUS, 4:30.54. 7. Yoshiyuki Mizumoto, JPN, 4:30.84. 8. Brent Foster, NZL, 4:33.36.

400 MR: 1. USA (Dan Veatch 58.08, Rich Schroeder 1:02.66, Pablo Morales 53.09, Matt Biondi 47.90), 3:41.73. 2. Canada, 3:42.14. 3. Australia, 3:45.17. 4. Japan, 3:46.41. 5. New Zealand, 3:54.08. 6. Korea, 4:03.07. 7. Guam, 4:19.73. **400 FR:** 1. USA (Chris Jacobs 50.49, Craig Oppel 50.14, Troy Dalbey 49.67, Matt Biondi 48.64), 3:18.94. 2. Canada, 3:21.74. 3. Australia, 3:21.79. 4. Japan, 3:30.00. 5. New Zealand, 3:37.01. 6. Hong Kong, 3:39.92. 7. Korea, 3:51.04. **800 FR:** 1. USA (Troy Dalbey 1:50.15, Matt Biondi 1:48.47, Matt Cellini 1:49.51, Craig Oppel 1:49.81), 7:17.94. 2. Australia, 7:19.95. 3. Canada, 7:28.91. 4. Japan, 7:46.48. 5. Guam, 8:35.75.

EUROPEAN CHAMPIONSHIPS Strasbourg, France August 18-23, 1987 (50 M)

** World Record
European Record

WOMEN

50 Free (Aug. 23): 1. Tamara Costache, ROM, 25.50. 2. Katrin Meissner, GDR, 25.65. 3. Christiane Pleske, FRG, 25.88. 4. Daniela Hunger, 25.90. 5. Marie-Therese Armentero, SUI, 25.95. 6. Catherine Plewinski, FRA, 26.20. 7. Marianne Muis, HOL, 26.31. 8. Luminita Dobrescu, ROM, 26.37. **100 Free (Aug. 18):** 1. Kristin Otto, GDR, 55.38. 2. Manuela Stellmach, GDR, 55.49. 3. Tamara Costache, ROM, 56.11. 4. Luminita Dobrescu, ROM, 56.36. 5. Karin Brienesse, HOL, 58.85. 6. Christiane Pleske, FRG, 58.88. 7. Karin Seick, FRG, 59.93. 8. Silvia Persi, ITA, 57.08. **200 Free (Aug. 19):** 1. Heike Friedrich, GDR, 1:58.24. 2. Manuela Stellmach, GDR, 1:58.95. 3. Luminita Dobrescu, ROM, 2:00.87. 4. Tanya Vannini, ITA, 2:01.19. 5. Mildred Muis, HOL, 2:02.26. 6. Birgit Lohberg, FRG, 2:02.71. 7. Isabelle Ar-

nould, BEL, 2:02.95. 8. June Croft, GBR, 2:03.06. **400 Free (Aug. 20):** 1. Heike Friedrich, GDR, 4:06.39#. 2. Astrid Strauss, GDR, 4:07.71. 3. Stela Pura, ROM, 4:09.65. 4. Noemi Lung, ROM, 4:09.75. 5. Tanya Vannini, ITA, 4:10.71. 6. Ruth Gilliland, GBR, 4:14.89. 7. Isabelle Arnold, BEL, 4:15.82. 8. Cecile Prunier, FRA, 4:17.64. **800 Free (Aug. 21):** 1. Anke Mohring, GDR, 8:19.53** (1:01.41, 2:04.60, 3:07.46, 4:09.89, 5:12.26, 6:15.31, 7:18.25). 2. Astrid Strauss, GDR, 8:32.24. 3. Judith Csabai, HUN, 8:37.71. 4. Isabelle Arnold, BEL, 8:38.33. 5. Noemi Lung, ROM, 8:39.07. 6. Karyn Faure, FRA, 8:42.25. 7. Manuela Melchiorri, ITA, 8:42.31. 8. Antoaneta Strumenlieva, BUL, 8:42.43.

100 Back (Aug. 20): 1. Kristin Otto, GDR, 1:01.86. 2. Svenja Schlicht, FRG, 1:02.21. 3. Kathrin Zimmermann, GDR, 1:02.55. 4. Natalia Shibaeva, USSR, 1:02.90. 5. Kristina Egerszegi, HUN, 1:02.92. 6. Lorenza Vigarani, ITA, 1:03.30. 7. Manuela Carosi, ITA, 1:03.35. 8. Aneta Patrascoiu, ROM, 1:03.83. **200 Back (Aug. 23):** 1. Cornelia Sirch, GDR, 2:10.20. 2. Kathrin Zimmermann, GDR, 2:12.23. 3. Svenja Schlicht, FRG, 2:12.72. 4. Kristina Egerszegi, HUN, 2:13.46. 5. Lorenza Vigarani, ITA, 2:14.43. 6. Natalia Shibaeva, USSR, 2:14.61. 7. Aneta Patrascoiu, ROM, 2:15.42. 8. Katharine Reed, GBR, 2:16.46.

100 Breast (Aug. 21): 1. Silke Horner, GDR, 1:07.91** (32.00, 2. Manuela Dalla Valle, ITA, 1:09.88. 3. Sylvia Gerassch, GDR, 1:09.83. 4. Pascaline Louvier, FRA, 1:10.14. 5. Susannah Brownson, GBR, 1:10.66. 6. Linda Moes, HOL, 1:10.85. 7. Elena Volkova, USSR, 1:11.04. 8. Britta Dahm, FRG, 1:11.21. **200 Breast (Aug. 19):** 1. Silke Horner, GDR, 2:27.49. 2. Ingrid Lempereur, BEL, 2:29.79. 3. Svetlana Kuzmina, USSR, 2:29.88. 4. Jeanne Hill, GBR, 2:31.57. 5. Linda Moes, HOL, 2:34.04. 6. Rossella Pescatori, ITA, 2:34.47. 7. Sylvia Gerassch, GDR, 2:35.28. 8. Susannah Brownson, GBR, 2:35.30.

100 Fly (Aug. 21): 1. Kristin Otto, GDR, 59.52. 2. Birte Weigang, GDR, 59.59. 3. Catherine Plewinski, FRA, 59.89. 4. Svetlana Kopychkova, USSR, 1:01.17. 5. Iliaria Tocchini, ITA, 1:01.99. 6. Agneta Eriksson, SWE, 1:02.09. 7. Samantha Purvis, GBR, 1:02.49. 8. Rene Schreuder, FRG, 1:02.65. **200 Fly (Aug. 23):** 1. Kathleen Nord, GDR, 2:08.85. 2. Birte Weigang, GDR, 2:09.60. 3. Stela Pura, ROM, 2:11.55. 4. Eiji Rousaki, GRE, 2:14.05. 5. Iliaria Tocchini, ITA, 2:14.55. 6. Nevena Miteva, BUL, 2:15.63. 7. Samantha Purvis, GBR, 2:15.77. 8. Helen Bewley, GBR, 2:17.94.

200 IM (Aug. 22): 1. Cornelia Sirch, GDR, 2:15.04. 2. Daniela Hunger, GDR, 2:15.27. 3. Noemi Lung, ROM, 2:15.84. 4. Elena Dendero, USSR, 2:15.89. 5. Svenja Schlicht, FRG, 2:17.18. 6. Marianne Muis, FRG, 2:17.98. 7. Birgit Lohberg, FRG, 2:18.82. 8. Jeanne Hill, GBR, 2:19.12. **400 IM (Aug. 18):** 1. Noemi Lung, ROM, 4:40.21. 2. Elena Dendero, USSR, 4:42.62. 3. Kathleen Nord, GDR, 4:44.09. 4. Cornelia Seithe, GDR, 4:45.53. 5. Roberta Felotti, ITA, 4:47.90. 6. Birgit Lohberg, FRG, 4:53.01. 7. Anette Philipsson, SWE, 4:53.73. 8. Antoaneta Strumenlieva, BUL, 4:56.27.

400 MR (Aug. 22): 1. GDR (Kristin Otto 1:02.04, Silke Horner 1:07.41, Birte Weigang 59.32, Manuela Stellmach 55.28), 4:04.05. 2. France, 4:10.04. 3. West Germany, 4:10.92. 4. USSR, 4:11.17. 5. Italy, 4:12.89. 6. Great Britain, 4:13.81. 7. Switzerland, 4:16.00. 8. Sweden, 4:19.43. **800 FR (Aug. 20):** 1. GDR (Kristin Otto 55.56, Manuela Stellmach 55.37, Katrin Meissner 56.13, Heike Friedrich 55.52), 3:42.58. 2. Holland, 3:45.93. 3. West Germany, 3:46.49. 4. USSR, 3:47.76. 5. Romania, 3:49.33. 6. France, 3:50.28. 7. Sweden, 3:50.47. 8. Switzerland, 3:50.89. **800 FR (Aug. 18):** 1. GDR (Manuela Stellmach 2:00.23, Astrid Strauss 1:58.90, Anke Mohring 1:58.73, Heike Friedrich 1:57.61), 7:55.47**. 2. Romania, 8:09.15. 3. West Germany, 8:09.89. 4. France, 8:12.60. 5. Italy, 8:12.97. 6. Holland, 8:13.74. 7. Sweden, 8:15.95. 8. Bulgaria, 8:16.89.

MEN
50 Free (Aug. 22): 1. Jorg Woithe, GDR, 22.66. 2. Gennady Prigoda, USSR, 22.73. 3. Stefan Volery, SUI, 22.75. 4. Stephan Caron, FRA, 22.84. 5. Bernd Hoffmeister, GDR, 23.09. 6. Vladimir Tkacenko, USSR, 23.07. 7. Dano Halsall, SUI, 23.09. 8. Peter Rohde, DEN, 23.23. **100 Free (Aug. 20):** 1. Sven Lodziewski, GDR, 49.79. 2. Stephan Caron, FRA, 49.88. 3. Dirk Richter, GDR, 50.35. 4. Giorgio Lamberti, ITA, 50.55. 5. Gennady Prigoda, USSR, 50.59. 6. Andrew Jameson, GBR, 50.94. 7. Stefan Volery, SUI, 50.99. 8. Dano Halsall, SUI, 51.65. **200 Free (Aug. 18):** 1. Anders Holmertz, SWE, 1:48.44. 2. Giorgio Lamberti, ITA, 1:48.66. 3. Michael Gross, FRG, 1:49.02. 4. Sven Lodziewski, GDR, 1:49.64. 5. Thomas Flemming, GDR, 1:49.72.

6. Thomas Fahrner, FRG, 1:49.90. 7. Veniamin Tajanovich, USSR, 1:51.18. 8. Massimo Trevisan, ITA, 1:51.96. **400 Free (Aug. 21):** 1. Uwe Dassler, GDR, 3:48.95. 2. Rainer Henkel, FRG, 3:49.28. 3. Thomas Fahrner, FRG, 3:49.82. 4. Artur Wojdat, POL, 3:53.97. 5. Marius Podkocielec, POL, 3:53.97. 6. Zoltan Szilagyi, HUN, 3:54.57. 7. Walter Kalau, HUN, 3:56.09. 8. Giorgio Lamberti, ITA, 3:59.52. **1500 Free (Aug. 23):** 1. Rainer Henkel, FRG, 15:02.23. 2. Uwe Dassler, GDR, 15:02.30. 3. Stefan Pfeiffer, FRG, 15:03.08. 4. Stefan Persson, SWE, 15:17.01. 5. Marius Podkocielec, POL, 15:19.43. 6. Darjan Petric, YUG, 15:28.19. 7. Franck Iacono, FRA, 15:38.64. 8. Eduard Petrov, USSR, 15:40.70.

100 Back (Aug. 22): 1. Sergey Zabolotnov, USSR, 58.06. 2. Frank Baltrusch, GDR, 56.40. 3. Frank Hoffmeister, FRG, 56.71. 4. Vladimir Shemetov, USSR, 56.73. 5. Dirk Richter, GDR, 56.92. 6. Eduard Edvardsson, ISL, 57.35. 7. Lars Sorensen, DEN, 57.52. 8. Ricardo Aidabe, ESP, 58.95. **200 Back (Aug. 20):** 1. Sergey Zabolotnov, USSR, 1:59.35. 2. Igor Polianskiy, USSR, 1:59.37. 3. Frank Baltrusch, GDR, 2:00.22. 4. Eduard Edvardsson, ISL, 2:02.79. 5. Tamas Deutsch, HUN, 2:03.18. 6. Patrick Kuhl, GDR, 2:03.30. 7. Frank Hoffmeister, FRG, 2:03.34. 8. Stefano Battistelli, ITA, 2:03.84.

100 Breast (Aug. 19): 1. Adrian Moorhouse, GBR, 1:02.13#. 2. Dmitry Volkov, USSR, 1:02.43. 3. Gianni Minerinni, ITA, 1:02.66. 4. Karoly Guttler, HUN, 1:03.22. 5. Lorenzo Carbonari, ITA, 1:03.50. 6. Nicholas Gillingham, GBR, 1:03.54. 7. Sergey Sokolovskiy, USSR, 1:03.60. 8. Bert Goebel, FRG, 1:03.77. **200 Breast (Aug. 21):** 1. Jozsef Szabo, HUN, 2:13.87#. 2. Sergey Sokolovskiy, USSR, 2:14.87. 3. Adrian Moorhouse, GBR, 2:15.78. 4. Sergio Lopez, ESP, 2:16.51. 5. Nicholas Gillingham, GBR, 2:16.82. 6. Alexandre Yokochi, POR, 2:17.91. 8. Etienne Dagon, SUI, 2:18.74.

100 Fly (Aug. 19): 1. Andrew Jameson, GBR, 53.82. 2. Michael Gross, FRG, 53.76. 3. Benny Nielsen, DEN, 54.08. 4. Neil Cochran, GBR, 54.30. 5. Konstantin Petrov, USSR, 54.73. 6. Jim Askervold, FRA, 54.78. 7. Thomas Dressler, GDR, 54.83. 8. Vladimir Kovalskiy, USSR, 55.08. **200 Fly (Aug. 22):** 1. Michael Gross, FRG, 1:57.59. 2. Dmitry Pankov, USSR, 2:00.97. 5. Rene Schaffgans, GDR, 2:01.37. 6. Ondrej Bures, TCH, 2:01.85. 7. Gerard de Kort, HOL, 2:01.90. 8. Wojciech Wyzga, POL, 2:03.67.

200 IM (Aug. 23): 1. Tamas Darnyi, HUN, 2:00.56** (26.94, 56.99, 1:32.54). 2. Vadim Yaroshuk, USSR, 2:01.87. 3. Raik Hanemann, GDR, 2:02.30. 4. Jozsef Szabo, HUN, 2:03.49. 5. Patrick Kuhl, GDR, 2:03.54. 6. Peter Berml, FRG, 2:03.72. 7. Anders Peterson, SWE, 2:05.64. 8. Bruno Gutzeit, FRA, 2:07.06. **400 IM (Aug. 19):** 1. Tamas Darnyi, HUN, 4:15.42** (59.15, 2:03.81, 3:17.32). 2. Jozsef Szabo, HUN, 4:18.30. 3. Patrick Kuhl, GDR, 4:18.62. 4. Vadim Yaroshuk, USSR, 4:18.87. 5. Stefano Battistelli, ITA, 4:21.87. 6. Peter Berml, FRG, 4:25.11. 7. Christophe Bodeau, FRA, 4:25.44. 8. Christian Gessner, GDR, 4:27.11.

400 MR (Aug. 22): 1. USSR (Igor Polianskiy 55.99, Dmitry Volkov 1:02.10, Konstantin Petrov 53.82, Gennady Prigoda 49.60), 3:41.51#. 2. Great Britain, 3:42.01. 3. GDR, 3:43.90. 4. Italy, 3:46.63. 5. Switzerland, 3:48.15. 6. Holland, 3:48.31. 7. France and West Germany, DQ. **400 FR (Aug. 21):** 1. GDR (Dirk Richter 50.39, Thomas Flemming 49.89, Steffen Zesner 49.86, Sven Lodziewski 49.23), 3:19.17#. 2. West Germany, 3:20.51. 3. USSR, 3:21.14. 4. Sweden, 3:21.17. 5. Great Britain, 3:22.76. 6. Denmark, 3:22.86. 7. Italy, 3:25.24. 8. France, DQ. **800 FR (Aug. 19):** 1. West Germany (Peter Sitt 1:48.94, Rainer Henkel 1:48.71, Thomas Fahrner 1:48.64, Michael Gross 1:46.81), 7:13.10**. 2. GDR, 7:14.27. 3. Sweden, 7:21.31. 4. France, 7:23.46. 5. USSR, 7:24.50. 6. Italy, 7:27.33. 7. Great Britain, 7:30.69. 8. Denmark, 7:35.24.

NATIONAL

USS JUNIOR OLYMPICS-EAST Fort Lauderdale, Fla. Aug. 11-15, 1987 (50 M)

** National Junior Olympic Record
* Junior Olympic-East Record

WOMEN

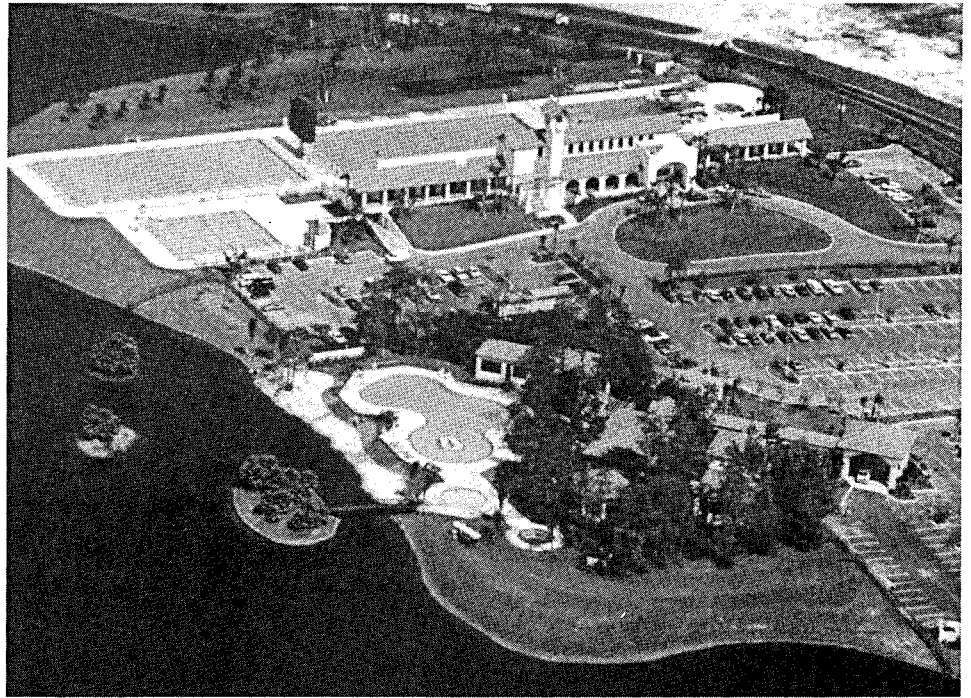
50 Free (Finals): 1. Leslie Seward, Wilton, 27.21. 2. Jennifer Love, Dearborn, 27.30. 3. Jenny McGrath, Pilot, 27.34. 4. Michelle Harris, War Eagle, 27.46. 5. Anne Wozniak, Amherst, 27.52. 6. Barb Pranger, Coho, 27.58. 7. Andrea Fisher, Unat, 27.85. 8. Heidi Walker, Pine Crest, 27.73. (Consols): 9. Karina Goping, Rockville-Mont., 27.83. 10. Sarah Dykstra, Lake Erie, 27.95. 11. Christine Gallagher, Suburban, 27.97. 12. Kristen Pauley, Stars, 28.11. 13. Laura Koerckel, Bernal's Gator, 28.17. 14. Kristine Sheedy, Marist, 28.35. 15. Jodee Lake, Stars, 28.39. 16. Celeste Makiel, Pittsburgh, 28.44.

100 Free (Finals): 1. Melanie Morgan, Pittsburgh, 58.45. 2. Stacy Staver, Reading Y, 58.72. 3. Michelle Harris, War Eagle, 59.19. 4. Julie Terrill, SwimAtlanta, 59.35. 5. Elizabeth Dahn, LSU Aquatics, 59.46. 6. Leslie Seward, Wilton, 59.48. 7. Donielle Daigle, Curl, 1:00.10. 8. Jennifer Love, Dearborn Rec., 1:00.15. (Consols): 9. Jenny McGrath, Pilot, 59.40. 10. Deirdre Ryan, Berkeley, 59.53. 11. Marj Carlson, Space City, 59.71. 12. Alison Evans, New Jersey Wave, 59.73. 13. Ashley Tappin, Unat, 59.90. 14. Celeste Makiel, Pittsburgh, 1:00.14. 15. Paige Wilson, Athens Bulldog, 1:00.29. 16. Laura Koerckel, Bernal's Gator, 1:00.79.

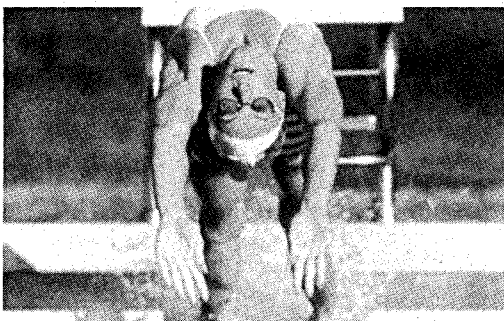
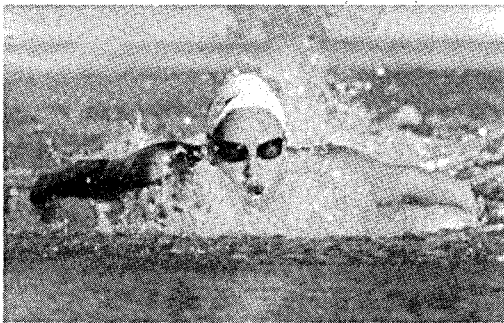
200 Free (Finals): 1. Erin Jones, Curl, 2:05.46. 2. Jane Skillman, Ped-

Janet Evans (above) couldn't repeat her U.S. nationals' performances at the Pan Pac meet, but the 15-year-old world record holder still was one of only three double winners with victories in the 400 IM and 400 freestyle.

COMPETE WITH THE BEST!



Mission Bay Aquatic Training Center announces our 1988 Meet Schedule. We invite you to swim against great competition at one of the world's finest aquatic facilities.



SENIOR MEETS

<i>January 8, 9, 10</i>	Mission Bay New Year's Classic (50m)
<i>May 28, 29, 30</i>	Mission Bay International Meet (50m)
<i>July 15, 16, 17</i>	Region IV State Senior Championships (50m)

AGE GROUP MEETS

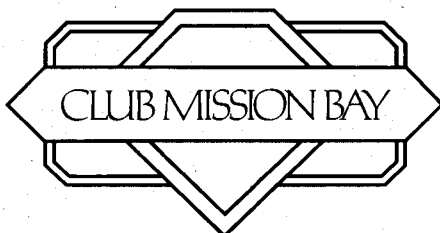
<i>April 23, 24</i>	Spring Invitational (A, B)
<i>July 8, 9, 10</i>	Mission Bay Age Group Invitational (A) (50m)
<i>August 5, 6, 7</i>	Florida Gold Coast Jr. Olympic Championships (50m)
<i>September 17</i>	Mission Bay 8 and Under Invitational (25m)
<i>November 25, 26, 27</i>	Thanksgiving and Invitational (all age groups) (25yd)

MASTERS MEETS

<i>December 12, 13, 1987</i>	Christmas Invitational (25m)
<i>April 30-May 1</i>	Spring Invitational (25yd)
<i>June 25, 26</i>	Summer Invitational (50m)
<i>November 20</i>	Turkey Shoot Invitational (25yd)

For further information on swim meets, camp programs, facility rental for training camps and the Mission Bay Makos Swimming and Diving teams, please contact:

Mark E. Schubert, Head Coach
Mission Bay Aquatic Training Center
10333 Diego Drive South, Boca Raton, Florida 33428
(305) 488-2001



For the Record

die, 2:05.67. 3. Bridgett Bowman, Sarasota Y, 2:06.11. 4. Carrie Seulc, Berkeley, 2:07.03. 5. Stacey Staver, Reading Y, 2:07.11. 6. Celeste Makiel, Pittsburgh, 2:07.15. 7. Jill Comeau, Seacoast, 2:07.75. 8. Amy Lockard, Shreveport, 2:07.77. (Consola): 9. Karen Barnes, Michiana Marlins, 2:06.70. 10. Bambi Bowman, Sarasota Y, 2:07.25. 11. Emily Cowling, Raleigh Y, 2:08.04. 12. Erin Racht, Pine Crest, 2:08.21. 13. Alana Hartmann, Pine Crest, 2:08.88. 14. Christy Campbell, Nashville, 2:08.98. 15. Jennifer Berger, Michiana Marlins, 2:09.24. 16. Heidi Hannenian, Seacoast, 2:11.39.

400 Free (Finals): 1. Christy Campbell, Nashville, 4:20.68. 2. Jane Skillman, Peddie, 4:21.04. 3. Wendy Henderson, Cecil County Y, 4:24.14. 4. Jill Comeau, Seacoast, 4:24.63. 5. Erin Jones, Curl, 4:26.92. 6. Melissa Hoy, Cumberland Area, 4:26.98. 7. Kristina Martin, Bernal's Gator, 4:28.30. 8. Alana Hartmann, Pine Crest, 4:28.63. (Consola): 9. Karen Barnes, Michiana Marlins, 4:24.04. 10. Erin Racht, Pine Crest, 4:25.28. 11. Celeste Makiel, Pittsburgh, 4:25.32. 12. Bambi Bowman, Sarasota Y, 4:25.36. 13. Nicole Drake, Lionia Spartans, 4:28.23. 14. Kim Small, Marauders, 4:28.44. 15. Kristen Owen, Huntsville, 4:29.03. 16. Michele McKenzie, Lionia Spartans, 4:29.04.

800 Free (Timed Finals): 1. Christy Campbell, Nashville, 8:55.85. 2. Wendy Henderson, Cecil County Y, 9:00.63. 3. Erin Racht, Pine Crest, 9:00.82. 4. Nicole Drake, Lionia Spartans, 9:01.02. 5. Heather Gravin, Hodgson's Hurricanes, 9:02.22. 6. Karen Barnes, Michiana Marlins, 9:02.71. 7. Melissa Hoy, Cumberland, 9:03.42. 8. Judy Welting, Lakeside, 9:04.54. 9. Amy Lockard, Shreveport, 9:04.93. 10. Jill Comeau, Seacoast, 9:05.33. 11. Bambi Bowman, Sarasota Y, 9:05.73. 12. Lisa Summers, Dynamo, 9:05.84. 13. Kristen Owen, Huntsville, 9:08.42. 14. Missy Cline, Foxcatcher, 9:09.18. 15. Melissa Burvack, Lake Erie, 9:09.38. 16. Trish McHardy, Greensboro, 9:09.42.

1500 Free (Timed Finals): 1. Jane Skillman, Peddie, 16:55.64. 2. Nicole Drake, Lionia Spartans, 17:12.31. 3. Wendy Henderson, Cecil County Y, 17:13.81. 4. Judy Welting, Lakeside, 17:16.13. 5. Jill Comeau, Seacoast, 17:19.93. 6. Debbie Reed, PACE, 17:21.04. 7. Eileen Sampey, Lakeside, 17:21.32. 8. Kelly Snow, Dayton Raiders, 17:25.47. 9. Heather Gravin, Hodgson's Hurricanes, 17:25.65. 10. Erin Lantaff, Pine Crest, 17:25.84. 11. Bonnie Schrems, Michiana Marlins, 17:26.35. 12. Missy Cline, Foxcatcher, 17:27.02. 13. Karen Barnes, Michiana Marlins, 17:28.05. 14. Kim Small, Marauders, 17:28.24. 15. Bambi Bowman, Sarasota Y, 17:29.52. 16. Trish McHardy, Greensboro, 17:30.82.

100 Back (Finals): 1. Jenny Higgins, Pine Crest, 1:05.50. 2. Kristy Heydanek, Midland Dolphins, 1:05.05. 3. Nicole Wengrofsky, Marist, 1:06.26. 4. Laurie Matheson, Peddie, 1:06.75. 5. Kristine Marist, 1:06.80. 6. Jodi Schwab, Virginia, 1:07.11. 7. Nathalie Wunderlich, Berkeley, 1:07.31. 8. Barbara Stuart, Suburban, 1:07.46. (Consola): 9. Niki Adams, Pine Crest, 1:06.95. 10. Karyn Stubbs, CPM, 1:07.03. 11. Julie Weaver, Pine Crest, 1:07.70. 12. Christine Stephenson, Tarheel Racers, 1:07.72. 13. Beth Donovan, Bernal's Gator, 1:07.94. 14. Jennifer Burns, New Wave, 1:08.10. 15. Natalie Kerner, SwimAtlanta, 1:08.46. 16. Marcy Kelfer, Gotham Aqua King, 1:08.78.

200 Back (Finals): 1. Jenny Higgins, Pine Crest, 2:20.29. 2. Kristy Heydanek, Midland Dolphins, 2:21.42. 3. Bridgett Bowman, Sarasota Y, 2:21.50. 4. Laurie Matheson, Peddie, 2:21.75. 5. Nathalie Wunderlich, Berkeley, 2:22.61. 6. Julie Terrill, SwimAtlanta, 2:23.47. 7. Jodi Schwab, Virginia, 2:23.74. 8. Niki Adams, Pine Crest, 2:23.78. (Consola): 9. Megan Curry, New Canaan Y, 2:23.87. 10. Karyn Ward, Cumberland Area, 2:24.32. 11. Christine Stephenson, Tarheel Racers, 2:24.78. 12. Kerri Davis, Wilton Wahos, 2:25.28. 13. Nicole Wengrofsky, Marist, 2:25.63. 14. Becky Grams, Dynamo, 2:27.06. 15. Michelle Ragusa, Brevard, 2:27.75. 16. Michelle Russell, Wildkit, 2:27.96.

100 Breast (Finals): 1. Tori DaSilva, Unat, 1:14.38. 2. Tracey Russell, Lake Erie, 1:15.33. 3. Becky Eary, Carmel, 1:15.82. 4. Michele Von Dressler, Unat, 1:15.84. 5. Wende Schaper, Star, 1:16.01. 6. Johara Salinas, Wilmington, 1:16.18. 7. Roro Deleo, Bernal's Gator, 1:16.29. 8. Mary Salda, War Eagle, 1:16.55. (Consola): 9. Jennifer Kilbride, Hofstra, 1:16.16. 10. Jenny McGrath, Pilot, 1:16.30. 11. Sara Webb, Unat, 1:16.48. 12. Kim Broughal, Emmaus, 1:16.63. 13. Jodi Navta, New Jersey Wave, 1:16.79. 14. Phoebe McCormick, Curl, 1:16.94. 15. Anne Koerckel, Bernal's Gator, 1:17.33. 16. Jenny Replogie, CPM, 1:17.39.

200 Breast (Finals): 1. Anne Koerckel, Bernal's Gator, 2:41.16. 2. Tracey Russell, Lake Erie, 2:41.96. 3. Katherine Rhodes, Huntsville, 2:42.72. 4. Tiffany Brown, Dayton Raiders, 2:43.66. 5. Robin Lewis, USA NEAS, 2:44.03. 6. Phoebe McCormick, Curl, 2:44.37. 7. Bridget Corr, Hofstra, 2:45.31. 8. Leslie Seward, Wilton, 2:45.38. (Consola): 9. Manda Davis, Stars, 2:43.58. 10. Pam Duckworth, Upper Main Line, 2:43.59. 11. Megan Smothergille, Syracuse Chargers, 2:44.89. 12. Christine Agnew, Pioneer Valley, 2:45.06. 13. Mary Salda, War Eagle, 2:46.34. 14. Michele Von Dressler, Unat, 2:46.71. 15. Wende Schaper, Star, 2:47.01. 16. Nancy Douglas, Fort Lauderdale, 2:47.56.

100 Fly (Finals): 1. Barb Pranger, Coho, 1:02.39**. 2. Angie Fariss, RVAA, 1:03.01. 3. Paige Wilson, Athens Bulldog, 1:03.05. 4. Wendy Hipskind, Cast, 1:03.85. 5. Erin Jones, Curl, 1:03.99. 6. Julie Borleske, Briarwood, 1:04.06. 7. Heidi Walker, Pine Crest, 1:04.50. 8. Lynn Kelley, Bernal's Gator, 1:04.89. (Consola): 9. Leigh Metcalf, Owl, 1:03.73. 10. Julie Rocks, Bethel Park, 1:04.51. 11. Courtney Chubb, Bernal's Gator, 1:05.17. 12. Donielle Daigle, Curl, 1:05.26. 13. Eva Romas, Badger, 1:05.37. 14. Jennifer Wilson, Malvern, 1:05.40. 15. Beth Veerman, Unat, 1:05.75. 16. Jacque Wisnaukas, Retriever, 1:05.82.

200 Fly (Finals): 1. Angie Fariss, RVAA, 2:17.44. 2. Christy Campbell, Nashville, 2:17.87. 3. Jane Skillman, Peddie, 2:18.79. 4. Paige Wilson, Athens Bulldog, 2:19.51. 5. Barb Pranger, Coho, 2:19.66. 6. Erin Jones, Curl, 2:20.05. 7. Alana Hartmann, Pine Crest, 2:20.71. 8. Christy Sax, Memphis State, 2:21.25. (Consola): 9. Kristen Owen, Huntsville, 2:20.05. 10. Sara Spears, Lake Erie, 2:20.42. 11. Heidi Walker, Pine Crest, 2:21.00. 12. Jacque Wisnaukas, Retriever, 2:21.34. 13. Bridgett Bowman, Sarasota Y, 2:21.48. 14. Allison Klinakis, Seacoast, 2:21.73. 15. Abigail Miedler, Greater Toledo, 2:21.88. 16. Missy Connolly, Pine Crest, 2:23.22.

100 IM (Finals): 1. Julie Terrill, SwimAtlanta, 2:21.21**. 2. Dede Trimble, Gator, 2:23.53. 3. Wendy Hipskind, Cast, 2:24.03. 4. Anne Koerckel, Bernal's Gator, 2:24.09. 5. Eva Romas, Badger, 2:24.46. 6. Jenny McGrath, Pilot, 2:24.89. 7. Julie Schreiber, Dearborn, 2:28.48. 8. Karyn Stubbs, CPM, 2:28.59. (Consola): 9. Deirdre Ryan, Berkeley, 2:28.04. 10. Lisa Summers, Dynamo, 2:27.72. 11. Katherine Rhodes, Huntsville, 2:24.98. 12. Pam Duckworth, Upper Main Line, 2:26.71. 13. Jill Minch, Star, 2:27.16. 14. Becky Bruch, Coho, 2:27.23. 15. Lauren Curtis, Wilton Wahos, 2:27.46. 16. Leslie Holt, Bolts, 2:27.62.

400 IM (Finals): 1. Julie Terrill, SwimAtlanta, 4:58.60**. 2. Deirdre Ryan, Berkeley, 4:59.70. 3. Paige Wilson, Athens Bulldog, 5:02.44. 4. Lisa Summers, Dynamo, 5:03.66. 5. Angie Fariss, RVAA, 5:04.08. 6.

Anne Koerckel, Bernal's Gator, 5:06.67. 7. Pam Duckworth, 5:06.92. 8. Eva Romas, Badger, 5:07.01. (Consola): 9. Wendy Hipskind, Cast, 5:04.45. 10. Anne Spaeder, Pittsburgh, 5:05.72. 11. Niki Adams, Sun, 5:08.05. 12. Lauren Curtis, Wilton Wahos, 5:08.37. 13. Julie Schnobberger, Dearborn, 5:08.75. 14. Allyson Dunleavy, Aquatics, 5:09.87. 15. Erin Pigman, Bolles, 5:09.91. 16. Karen Hafner, Jersey Woods, 5:10.01.

400 MR (Timed Finals): 1. Pine Crest, 4:27.90. 2. Lake Erie, 4:28.55. 3. Star, 4:29.30. 4. Coho, 4:29.77. 5. Berkeley, 4:29.90. 6. Curl, 4:30.77. 7. Cincinnati, 4:30.86. 8. Bernal's Gator, 4:30.87. 9. New Jersey Wave, 4:30.92. 10. Pine Crest B, 4:32.41. 11. Rockville-Mont, 4:32.55. 12. Wilton Wahos, 4:33.91. 13. Virginia, 4:34.86. 14. Dynamo, 4:34.94. 15. Bernal's Gator B, 4:35.06. 16. Pittsburgh, 4:35.19.

400 FR (Timed Finals): 1. Berkeley, 3:57.04. 2. Pine Crest, 3:57.49. 3. Bernal's Gator, 3:57.57. 4. Sarasota Y, 4:00.09. 5. Pittsburgh, 4:01.36. 6. New Jersey Wave, 4:01.81. 7. Curl, 4:01.86. 8. Star, 4:02.45. 9. SwimAtlanta, 4:02.83. 10. Peddie, 4:02.88. 11. Pine Crest B, 4:02.90. 12. Coho, 4:03.76. 13. Wilton Wahos, 4:03.81. 14. Lake Erie, 4:04.07. 15. LSU Aquatics, 4:04.39. 16. Fort Lauderdale, 4:04.44.

800 FR (Timed Finals): 1. Sarasota Y, 8:34.29. 2. Peddie, 8:36.41. 3. Pine Crest, 8:38.22. 4. Trinity, 8:40.78. 5. New Jersey Wave, 8:41.64. 6. Dynamo, 8:41.84. 7. SwimAtlanta, 8:41.91. 8. Bernal's Gator, 8:42.32. 9. Berkeley Aquatic, 8:43.07. 10. Michiana Marlins, 8:43.22. 11. Pittsburgh, 8:43.72. 12. Bernal's Gator B, 8:44.23. 13. Seacoast, 8:44.67. 14. Pine Crest B, 8:45.17. 15. New Canaan Y, 8:46.09. 16. Curl, 8:46.88.

MEN

50 Free (Finals): 1. Robert Carran, West Florida, 24.01. 2. Jeff Hike, SwimAtlanta, 24.16. 3. Cliff Arslanian, Solon, 24.42. 4. Andre Diefenthaler, Pine Crest, 24.23. 5. Ray Burton, UFS, 24.26. 6. Gregg Mihallik, Palatine Park, 24.35. 7. Keith Martin, Huntsville, 24.36. 8. Dave Lawson, Foxcatcher, 24.46. (Consola): 9. Rick Reising, Staley, 24.40. 10. Mark Lisenby, Peoria Y, 24.50. 11. Steve Carroll, Foxcatcher, 24.58. 12. Theodore Nelson, Westerville, Scott Kitzman, Rockford Marlins, 24.65. 14. Todd Griner, Pine Crest, 24.67. 15. Jeff Feldman, Carrollwood, 24.70. 16. Mark Bergvall, Rockford Marlins, 24.78.

100 Free (Finals): 1. Todd Griner, Pine Crest, 52.86. 2. Jeff Hike, SwimAtlanta, 53.08. 3. Alain Sergile, SwimAtlanta, 53.19. 4. Matt Stahlman, Pine Crest, 53.27. 5. Gregg Mihallik, Palatine Park, Kevin Williams, Bolts, 53.37. 7. Byron Davis, Lake Erie, 53.95. 8. Cliff Arslanian, Solon, 54.12. (Consola): 1. Andre Diefenthaler, Pine Crest, 53.33. 10. John Bennett, Berkeley, 53.59. 11. Steve Shippo, Golden Serpents, 53.84. 12. Alan Nelson, Fort Lauderdale, 53.92. 13. Keith Martin, Huntsville, 53.94. 14. Dennis Meehan, Raleigh Y, 53.95. 15. Brian Stagg, Berkeley, 54.19. 16. Andrew Roberts, LSU Aquatics, 54.35.

200 Free (Finals): 1. David Monasterio, Pine Crest, 1:55.27. 2. Steve Bigelow, Pine Crest, 1:55.32. 3. Matt Shenker, Pine Crest, 1:55.35. 4. Dennis Meehan, Raleigh Y, 1:55.45. 5. Vince Giambalvo, SwimAtlanta, 1:55.48. 6. Andrew Roberts, LSU Aquatics, 1:58.86. (Consola): 9. Steve Leissner, Lake Forest, 1:56.03. 10. Eric Parfelo, Pine Crest, 1:56.80. 11. Steve Shippo, Golden Serpents, 1:56.86. 12. Rob McMichael, Trinity, 1:56.91. 13. John Kennedy, Gator, 1:56.92. 14. John Bennett, Berkeley, 1:57.23. 15. Fred Westhoff, St. Charles, 1:57.95. 16. Mark Hjelte, Mecklenburg, 1:58.25.

400 Free (Finals): 1. Steve Bigelow, Pine Crest, 4:00.40**. 2. Mark Mulligan, Pine Crest, 4:02.30. 3. Todd Lang, Pine Crest, 4:04.88. 4. David Monasterio, Pine Crest, 4:04.98. 5. Mark Kolman, Wilmington, 4:05.20. 6. Steve Leissner, Lake Forest, 4:05.48. 7. Matt Shenker, Pine Crest, 4:06.27. 8. Steve Shippo, Golden Serpents, 4:06.11. (Consola): 9. Vince Giambalvo, SwimAtlanta, 4:04.61. 10. Eric Bailey, Ann Arbor, 4:04.68. 11. Ethan Saulnier, New England, 4:05.22. 12. Jeff Poppel, Amberjax, 4:08.09. 13. Jeff Palm, Dynamo, 4:08.11. 14. Dennis DeBebes, Curl, 4:08.16. 15. Jay Dillenschneider, Jersey Woods, 4:09.48. 16. Todd Griner, Pine Crest, 4:09.80.

800 Free (Timed Finals): 1. Matt Stahlman, Pine Crest, 8:19.21. 2. Steve Bigelow, Pine Crest, 8:21.15. 3. Jon Cohen, Bulldogs, 8:23.21. 4. Mark Mulligan, Pine Crest, 8:23.56. 5. Matt Shenker, Pine Crest, 8:25.15. 6. Andy Hall, Bernal's Gator, 8:27.04. 7. Todd Lang, Pine

Crest, 8:27.78. 8. Eric Bailey, Ann Arbor, 8:28.23. 9. David Monasterio, Pine Crest, 8:28.95. 10. Dennis DeBebes, Curl, 8:29.84. 11. Brian Hannafin, New Jersey Wave, 8:30.94. 12. Robert Darzynkiewicz, Badger, 8:31.15. 13. Mark Kolman, Wilmington, 8:31.48. 14. Casey Lichtendahl, CPM, 8:33.32. 15. Jeff Hyde, Nashville, 8:33.41. 16. Chris Shannon, Dynamo, 8:33.76.

1500 Free (Timed Finals): 1. David Monasterio, Pine Crest, 15:59.68. 2. Steve Bigelow, Pine Crest, 15:59.75. 3. Mark Mulligan, Pine Crest, 15:59.92. 4. Ken Dunlap, Foxcatcher, 16:08.81. 5. Jeff Poppel, Amberjax, 16:17.63. 6. Ethan Saulnier, New England, 16:18.00. 7. James Burgett, Pine Crest, 16:18.94. 8. Robert Darzynkiewicz, Badger, 16:21.37. 9. Todd Lang, Pine Crest, 18:22.21. 10. Mark Kolman, Wilmington, 16:24.00. 11. Jon Jones, Virginia, 16:28.56. 12. Jeff Palm, Dynamo, 16:31.39. 13. Chris Shannon, Dynamo, 16:35.38. 14. Dean Fredette, Seacoast, 16:36.15. 15. Lewis Fadely, Bolles, 16:36.30. 16. Jason Heiser, Mecklenburg, 16:38.48.

100 Back (Finals): 1. Gordy Woolbert, Unat, 59.31. 2. Donald Dicer, Atomic City, 1:00.23. 3. Steve Petrie, Malvern, 1:00.29. 4. Tom Peterson, Bernal's Gator, 1:00.42. 5. Peter Cicale, St. Marys; Jason Oram, Fort Eustis, 1:00.99. 7. Chris DiSalie, Mission Bay, 1:01.14. 8. Jeremy Davey, Bartow Flyers, 1:01.20. (Consola): 9. Rusty Miller, New Canaan Y, 1:00.93. 10. Nick Boyce, Hodgson's Hurricanes, 1:01.03. 11. Charlie Rose, Justus Dolphins, 1:01.17. 12. David Wilkins, Bernal's Gator, 1:01.33. 13. Jeff Farschon, Team Delaware; Fran Gray, Foxcatcher, 1:01.36. 15. Derek Marshall, Trinity, 1:01.62. 16. Tom Mooney, Justus Dolphins, 1:01.72.

200 Back (Finals): 1. Gordy Woolbert, Unat, 2:08.99. 2. Fran Gray, Foxcatcher, 2:09.17. 3. Steve Petrie, Malvern, 2:09.38. 4. Nick Boyce, Hodgson's Hurricanes, 2:10.00. 5. Tony Desille, Daytona Beach Y, 2:10.58. 6. Peter Cicale, St. Marys, 2:11.07. 7. Charlie Rose, Justus Dolphins, 2:11.37. 8. Tom Peterson, Bernal's Gator, 2:12.23. (Consola): 9. Kris Habi, Badger, 2:10.32. 10. Cary McConlogue, Pine Crest, 2:10.59. 11. Jeremy Davey, Bartow Flyers, 2:10.78. 12. Steve Leissner, Lake Forest, 2:12.30. 14. David Bassett, Greater Pensacola, 2:12.40. 14. Donald Dicer, Atomic City, 2:13.30. 15. Jeff Farschon, Team Delaware, 2:13.54. 16. Anthony Higgins, North Baltimore, 2:13.64.

100 Breast (Finals): 1. Nelson Diebel, Peddie, 1:06.07. 2. Leif Engstrom-Heg, Marauders, 1:06.77. 3. William Barlow, Marauders, 1:06.94. 4. Chris Pyle, Virginia, 1:07.09. 5. Vince Carmosino, Curl, 1:07.61. 6. Jonathan Manson, SwimAtlanta, 1:07.79. 7. Chris Segun, Solon, 1:08.18. 8. Michael Denzler, Staley, 1:08.43. (Consola): 9. Thomas Sweeney, Old Dominion, 1:07.64. 10. Chris Lubeck, Wilton Wahos, 1:07.87. 11. Gregory Carey, Westport Y, 1:08.01. 12. Brent Mitchell, Dynamo, 1:08.41. 13. Don Boyd, Charters, 1:08.51. 14. Andy Hall, Bernal's Gator, 1:08.56. 15. John Fischetti, Raleigh, 1:08.60. 16. Trey McDonald, LSU Aquatics, 1:09.07.

200 Breast (Finals): 1. Nelson Diebel, Peddie, 2:21.53**. 2. Chris Lubeck, Wilton Wahos, 2:25.20. 3. Andy Hall, Bernal's Gator, 2:25.41. 4. Thomas Sweeney, Old Dominion, 2:25.82. 5. Jon Cohen, Bulldogs, 2:26.36. 6. Chris Segun, Solon, 2:27.66. 7. Brent Mitchell, Dynamo, 2:27.86. 8. Leif Engstrom-Heg, Marauders, 2:27.92. (Consola): 9. Don Boyd, Charters, 2:27.01. 10. Bryan Frathin, Virginia, 2:28.70. 11. Arnaud Salzer, Pine Crest, 2:29.23. 12. Gregory Carey, Westport Y, 2:29.68. 13. Mark Downey, Star, 2:30.10. 14. Mike Haynes, North Baltimore, 2:30.83. 15. Brian Deutsch, Nashville, 2:31.01. 16. Jonathan Manson, SwimAtlanta, 2:31.08.

100 Fly (Finals): 1. Byron Davis, Lake Erie, 56.06. 2. David Johnson, Bernal's Gator, 56.89. 3. Jeff Hike, SwimAtlanta, 56.97. 4. Tom Hay, Peters Township, 57.18. 5. Greg Botos, Marauders, 57.19. 6. Gregg Mihallik, Palatine Park, 57.24. 7. Karney McNear, Malvern, 57.53. 8. Henry Faris, Greenville Y, 57.87. (Consola): 9. Eric Bailey, Ann Arbor, 57.50. 10. John Truitt, Marauders, 58.12. 11. David Grazer, Mission Bay, 58.15. 12. Shawn Kelly, Leatherstocking, 58.19. 13. Anthony Allen, Stingray, 58.30. 14. Gordy Woolbert, Unat, 58.37. 15. Frank Clark, Bartow Flyers, 58.51. 16. Jeff Williams, Mecklenburg, 58.66.

200 Fly (Finals): 1. George Frathin, Carmel, 2:04.44. 2. Eric Bailey, Ann Arbor, 2:05.47. 3. Chris O'Sullivan, Badger, 2:06.44. 4. David Grazer, Mission Bay, 2:06.63. 5. Vince Giambalvo, SwimAtlanta, 2:07.04. 6. Henry Faris, Greenville Y, 2:07.49. 7. Ray Burton, UFS, 2:08.40. 8. Tom Hay, Peters Township, 2:09.20. (Consola): 9. Ken Dunlap, Foxcatcher, 2:07.46. 10. Scott Carl, Lake Forest, 2:08.21. 11. Brad Budney, New Jersey Wave, 2:08.41. 12. Stephan Rodiger,



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For the Record

Leatherstocking, 2:08.71. 13. Chuck Batchelor, Peddie, 2:09.11. 14. John Bennett, Berkeley, 2:09.15. 15. Dan Hume, Club Wolverine, 2:09.38. 16. Rodney Van Tassel, Curl, 2:09.47.

200 IM (Finals): 1. Jeff Hyde, Nashville, 2:09.53. 2. Tom Hay, Peters Township, 2:09.67. 3. Erik Namesnik, Mission Bay, 2:09.80. 4. Jon Cohen, Bulldogs, 2:09.92. 5. Brian Donahue, Pine Crest, 2:11.11. 6. Kris Habi, Badger, 2:11.68. 7. Henry Farris, Greenville Y, 2:12.12. 8. Steve Petrie, Malvern, 2:14.02. **(Consols):** 9. Tom Sisk, Joliet Y, 2:11.44. 10. Charlie Rose, Justus Dolfinis, 2:11.79. 11. Rod Johnson, Mecklenburg, 2:12.19. 12. Tony Dellis, Daytona Beach Y, 2:12.68. 13. Kevin Lacy, Virginia, 2:12.69. 14. Jeremy Davey, Bartow Flyers, 2:13.19. 15. Mark Beatty, Mecklenburg, 2:13.28. 16. Fran Gray, Foxcatcher, 2:13.79.

400 IM (Finals): 1. Jon Cohen, Bulldogs, 4:32.46. 2. Jeff Hyde, Nashville, 4:35.49. 3. Fran Gray, Foxcatcher, 4:36.09. 4. Rod Johnson, Mecklenburg, 4:38.42. 5. George Fastrich, Carmel, 4:38.70. 6. Chris O'Sullivan, Badger, 4:41.25. 7. Kevin Lacy, Virginia, 4:44.74. 8. Kris Habi, Badger, DQ. **(Consols):** 9. Tom Sisk, Joliet Y, 4:40.99. 10. Steve Mortimer, Unat., 4:41.83. 11. Tom Peterson, Bernal's Gator, 4:41.88. 12. Brian Stagg, Berkeley, 4:43.62. 13. Jeff Farschon, Team Delaware, 4:44.32. 14. John Rubcock, Joliet Y, 4:44.34. 15. Matt McCormack, Curl, 4:46.46. 16. Rob Plummer, Nashville, DQ.

400 FR (Timed Finals): 1. SwimAtlanta, 3:56.57. 2. Bernal's Gator, 3:58.61. 3. Marauders, 3:59.73. 4. Lake Erie, 4:01.52. 5. Fort Lauderdale, 4:02.55. 6. Staley, 4:03.25. 7. Berkeley, 4:03.29. 8. Curl, 4:03.41. 9. Pine Crest, 4:03.56. 10. Justus Dolfinis, 4:03.74. 11. Mecklenburg, 4:03.87. 12. Virginia, 4:04.11. 13. Wilton Wahos, 4:04.23. 14. Pine Crest B, Mission Bay, 4:04.36. 16. Jersey Wahos, 4:04.84.

400 FR (Timed Finals): 1. Pine Crest (Todd Griner, Matt Stahlman, Matt Shenker, Brian Donahue), 3:30.10**. 2. SwimAtlanta, 3:34.10. 3. Berkeley, 3:35.53. 4. Justus Dolfinis, 3:35.61. 5. Bernal's Gator, 3:36.26. 6. Jersey Wahos, 3:37.06. 7. Raleigh Y, 3:37.08. 8. Mecklenburg, 3:37.16. 9. Bernal's Gator B, 3:37.93. 10. Solon, 3:38.69. 11. LSU Aquatics, 3:38.70. 12. Curl, 3:38.87. 13. Pine Crest B, 3:38.91. 14. SwimAtlanta B, 3:38.96. 15. Foxcatcher, 3:39.21. 16. Staley, 3:39.64.

800 FR (Timed Finals): 1. Pine Crest (Matt Shenker, David Monasterio, Andre Dieffenthaler, Steve Bigelow), 7:44.07**. 2. Pine Crest B, 7:50.18. 3. Justus Dolfinis, 7:50.24. 4. Curl, 7:51.97. 5. Berkeley, 7:54.60. 6. Jersey Wahos, 7:54.72. 7. Mecklenburg, 7:55.04. 8. Bernal's Gator, 7:56.12. 9. Foxcatcher, 7:57.66. 10. Trinity, 7:58.32. 11. SwimAtlanta, 7:59.51. 12. Raleigh Y, 8:00.13. 13. Dynamo, 8:00.21. 14. Cinci. Pepsi Marlins, 8:00.38. 15. Berkeley B, 8:01.45. 16. Curl B, 8:01.85.

FINAL TEAM STANDINGS Combined: 1. Pine Crest, 812. 2. Bernal's Gator, 378. 3. SwimAtlanta, 334. 4. Berkeley, 288. 5. Curl, 237. 6. Peddie, 192. 7. Lake Erie, 152. 8. Foxcatcher, 108 1/2. 9. Wilton Wahos, 106. 10. Marauders, 103.

Women: 1. Pine Crest, 276. 2. Bernal's Gator, 190. 3. Berkeley, 160. 4. Peddie, 148. 5. Curl, 146. 6. Sarasota Y, 126. 7. SwimAtlanta, 112. 8. Pittsburgh, 92. 9. Lake Erie and Coho, 90.

Men: 1. Pine Crest, 536. 2. SwimAtlanta, 222. 3. Bernal's Gator, 188.

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4. Berkeley, 108. 5. Justus Dolfinis, 102. 6. Foxcatcher, 100 1/2. 7. Marauders, 97. 8. Curl, 91. 9. Mecklenburg, 84. 10. Badger, 67.

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**** National Junior Olympic Record**

WOMEN

50 Free (Finals): 1. Megan Oesting, Chinoook, 27.04. 2. Lisa Rhodes, The Woodlands, 27.30. 3. Danielle Strader, Madison, 27.40. 4. Erika Bass, Mach III Flyers, 27.48. 5. Mary Edwards, Solo, 27.55. 6. Aimee Brainard, Glendale Gauchos, 27.59. 7. Tara Clark, Delta Waves, 27.73. 8. Therese Lundin, Swim Devils, 27.86. **(Consols):** 9. Whitney Wyatt, Kern, 27.90. 10. Alexis Ludwig, Solo, 27.69. 11. Sue Bincazak, Waukesha, 27.92. 12. Melonie Woods, Trojan, 27.95. 13. Jennifer Brannon, Hillside, 28.04. 14. Susan Overgaard, Tiger, 28.17. 15. Karen Iverson, Emibrook, 28.29. 16. Ronda Lusty, Unat., DQ.

100 Free (Finals): 1. Megan Oesting, Chinoook, 57.99. 2. Kirsten Kregel, Santa Clara, 58.48. 3. Melissa Skinner, Irvine Nova, 59.05. 4. Kristin Winn, Mission Viejo, 59.36. 5. Lisa Payne, Clayton Shaw Park, 59.43. 6. Kristen Neuenfeldt, Mach III Flyers, 59.64. 7. Christy Carolin, Irvine Nova, 59.90. 8. Ronda Lusty, Unat., 1:00.22. **(Consols):** 9. Lisa Rhodes, The Woodlands, 59.83. 10. Mary Edw, Solo, 59.93. 11. Katie Johnson, Aqua-Tex, 1:00.14. 12. Dawn Emery, Clover Creek, 1:00.32. 13. Christine Spicer, Fullerton, 1:00.34. 14. Heather Merten, Swim San Diego, 1:00.36. 15. Aimee Brainard, Glendale Gauchos, 1:00.40. 16. Kathy Diebler, Team Nebraska, 1:01.20.

200 Free (Finals): 1. Shauna MacEwen, Conejo Simi, 2:06.70. 2. Kristen Neuenfeldt, Mach III Flyers, 2:06.82. 3. Megan Oesting, Chinoook, 2:06.94. 4. Christine Spicer, Fullerton, 2:07.48. 5. Joyce Lightfoot, Fullerton, 2:07.69. 6. Lisa Payne, Clayton Shaw Park, 2:07.76. 7. Christine Otto, Golden West, 2:07.91. 8. Diane Wandling, Sugar Creek, 2:08.68. **(Consols):** 9. Tabitha Bonney, Chula Vista, 2:08.27. 10. Michelle LeBlanc, The Woodlands, 2:08.28. 11. Lisa Rhodes, The Woodlands, 2:08.47. 12. Jennifer McArtor, Sports Ranch, 2:09.77. 13. Tasha Badillo, Industry Hills, 2:09.86. 14. Patty Banks, Gopher, 2:10.17. 15. Suzi Burt, Mission Viejo, 2:10.47. 16. Katie Johnson, Aqua-Tex, 2:10.55.

400 Free (Finals): 1. Joyce Lightfoot, Fullerton, 4:21.34. 2. Shauna MacEwen, Conejo Simi, 4:22.92. 3. Tabitha Bonney, Chula Vista, 4:25.59. 4. Jennifer McArtor, Sports Ranch, 4:26.54. 5. Michelle LeBlanc, The Woodlands, 4:27.35. 6. Carol Atchison, Space City, 4:28.30. 7. Christine Spicer, Fullerton, 4:28.56. 8. Diane Wandling, Sugar Creek, 4:30.77. **(Consols):** 9. Amy Ward, Mission Viejo, 4:26.38. 10. Stacie Duncan, Conejo Simi, 4:26.42. 11. Kim Martin, Fullerton, 4:26.53. 12. Alison Maxwell, Swim San Diego, 4:26.84. 13. Michelle Hlinka, Conejo Simi, 4:26.88. 14. Karen McClure, Clayton Shaw Park, 4:29.89. 15. Shell Olson, Waterloo Sharks, 4:29.99. 16. Stacy St. Martin, Unat., 4:31.00.

800 Free (Timed Finals): 1. Shauna MacEwen, Conejo Simi, 8:53.87. 2. Stacie Duncan, Conejo Simi, 8:55.26. 3. Joyce Lightfoot, Fullerton, 8:58.72. 4. Carol Atchison, Space City, 9:02.77. 5. Kim Martin, Fullerton, 9:03.28. 6. Karen McClure, Clayton Shaw Park, 9:03.83. 7. Christine Otto, Golden West, 9:03.84. 8. Michelle Hlinka, Conejo Simi, 9:03.97. 9. Amy Ward, Mission Viejo, 9:04.27. 10. Tabitha Bonney, Chula Vista, 9:04.78. 11. Shell Olson, Waterloo Sharks, 9:04.89. 12. Tammy Regan, Bellevue, 9:07.37. 13. Kara Freshour, Mt. Hood, 9:09.17. 14. Jennifer McArtor, Sports Ranch, 9:09.80. 15. Tanya DuPont, Sugar Creek, 9:10.26. 16. Jennifer Ebuna, Aurora, 9:10.96.

1500 Free (Timed Finals): 1. Kim Martin, Fullerton, 17:06.27. 2. Kara Freshour, Mt. Hood, 17:11.02. 3. Shell Olson, Waterloo Sharks, 17:15.44. 4. Tabitha Bonney, Chula Vista, 17:19.38. 5. Shauna MacEwen, Conejo Simi, 17:20.11. 6. Carol Atchison, Space City, 17:21.75. 7. Amy Walker, Des Moines, 17:21.80. 8. Diane Wandling, Sugar Creek, 17:23.10. 9. Michelle Hlinka, Conejo Simi, 17:23.34. 10. Amy Ward, Mission Viejo, 17:25.29. 11. Kristin Peters, Buena, 17:30.84. 12. Diana Melrose, Omaha Suburban, 17:32.30. 13. Vanessa Lacoss, Kansas City Blazers, 17:32.79. 14. Candice Fuller, City of Plano, 17:35.41. 15. Julie Moore, Multnomah, 17:36.17. 16. Maggie Channel, San Jose, 17:36.33.

100 Back (Finals): 1. Kristina Stinson, Space City, 1:06.68. 2. Heather Welch, Nebraska, 1:06.99. 3. Diana Fridly, L.V. Sandpipers, 1:07.13. 4. Juliet Yenglin, North Jeffco, 1:07.69. 5. Shannon Howes, Golden Bear, 1:07.81. 6. Keri Seeliger, Badger Dolphin, 1:07.84. 7. Lynn Allmi, Clayton Shaw Park, 1:07.95. 8. Michele Dixon, Santa Cruz, 1:08.44. **(Consols):** 9. Suzi Burt, Mission Viejo, 1:07.98. 10. Mindy Well, Alamo Area, 1:08.25. 11. Sharon Scott, Riverside, 1:08.53. 12. Michelle Pierce, Conejo Simi, 1:09.59. 13. Laura Alonso, Lamoinda, 1:08.82. 14. Lides Bincazak, Texas, 1:09.08. 15. Mary Schreur, Aces, 1:09.18. 16. Therese Lundin, Swim Devils, 1:09.32.

200 Back (Finals): 1. Kristina Stinson, Space City, 2:21.41. 2. Juliet Yenglin, North Jeffco, 2:23.03. 3. Richelle Piernot, Conejo Simi, 2:23.87. 4. Kelly Fox, Lobo, 2:23.89. 5. Alison Maxwell, Swim San Diego, 2:24.18. 6. Suzi Burt, Mission Viejo, 2:24.28. 7. Heather Caldwell, L.V. Sandpipers, 2:26.24. 8. Shawna Darby, Rainbow, 2:27.46. **(Consols):** 9. Wendy Oksanen, City of Richardson, 2:24.10. 10. Diana Fridly, L.V. Sandpipers, 2:24.20. 11. Shannon Howes, Golden Bear, 2:24.40. 12. Lynn Allmi, Clayton Shaw Park, 2:24.48. 13. Amy Ward, Aces, 2:25.44. 14. Laura Vitceda, Colorado Rapids, 2:26.22. 15. Tanya DuPont, Sugar Creek, 2:26.96. 16. Mary Schreur, Aces, 2:28.37.

200 Breast (Finals): 1. Laura Grimes, Alamo Area, 1:16.04. 2. Monica Feigert, Clover Creek, 1:16.38. 3. Julie Stroup, Kansas City Blazers, 1:16.74. 4. Wendy Detray, Kansas City Blazers, 1:16.89. 5. Rebecca Beissmann, Indian Valley, 1:17.00. 6. Cristin Grant, Multnomah, 1:17.21. 7. Candice Fuller, City of Plano, 1:18.24. 8. Jenny Paul, Schroeder Y, 1:18.26. **(Consols):** 9. Joanna Zeiger, Heartland, 1:17.25. 10. Jill Barber, Sugar Creek, 1:17.70. 11. Jennifer Ross, Pals, 1:17.72. 12. Nichole Mayer, Arden Hills, 1:17.91. 13. Carol Wilkie, Santa Barbara, 1:17.99. 14. Suzanne Ryan, Aqua-Tex, 1:18.27. 15. Anne Howard, City of Richardson, 1:18.28. 16. Kristen Neuenfeldt, Mach III Flyers, 1:18.66.

200 Breast (Finals): 1. Candice Fuller, City of Plano, 2:40.97. 2. Julie Stroup, Kansas City Blazers, 2:43.00. 3. Monica Feigert, Clover Creek, 2:43.37. 4. Joy Michnowicz, Santa Clara, 2:44.95. 5. Susan Overgaard, Tiger, 2:45.36. 6. Renata Adamow, Unat., 2:45.67. 7. Heidi Reynolds, Arroyo Seco, 2:45.92. 8. Suzanne Ryan, Aqua-Tex, DQ. **(Consols):** 9. Cristin Grant, Multnomah, 2:45.15. 10. Anne Howard, City of Richardson, 2:45.29. 11. Wendy Detray, Kansas City Blazers, 2:45.46. 12. Carol Wilkie, Santa Barbara, 2:47.19. 13. Caroline Mitchell, Foothills, 2:48.14. 14. Molly McKereghan, Walnut

Creek, 2:48.50. 15. Marnee Dietrich, Omaha West, 2:50.09. 16. Jennifer Grant, Foothills, 2:52.40.

100 Fly (Finals): 1. Karen Lile, Buena, 1:04.33. 2. Lisa Rhodes, The Woodlands, 1:04.37. 3. Kristie Krueger, Phillips 66, 1:04.54. 4. Lisa Payne, Clayton Shaw, 1:04.96. 5. Monica Koyama, SEMS, 1:04.97. 6. Erika Laetmaa, North Jeffco, 1:05.17. 7. Jennifer Willy, Santa Clara, 1:05.61. 8. Lucia Miller, Sports Ranch, DQ. **(Consols):** 9. Courtney Lowe, Conejo Simi, 1:05.41. 10. Karen Morrison, City of Plano, 1:05.58. 11. Jennifer Haase, Lamoinda, 1:05.76. 12. Teri Williams, North Bend, 1:05.92. 13. Kati Christensen, Palm Springs, 1:06.39. 14. Claudia Vieira, Adina, 1:06.40. 15. Nicole Dressen, Dads Club, 1:06.93. 16. Nickle D'Emore, Elmbrook, DQ.

200 Fly (Finals): 1. Courtney Lowe, Conejo Simi, 2:18.68. 2. Lucia Miller, Sports Ranch, 2:20.42. 3. Lisa Payne, Clayton Shaw Park, 2:20.46. 4. Erika Laetmaa, North Jeffco, 2:20.67. 5. Stacie Duncan, Conejo Simi, 2:20.75. 6. Karen Morrison, City of Plano, 2:20.89. 7. Heather Reagan, Click Tucson, 2:21.18. 8. Kristy Schaefer, Sugar Creek, 2:21.95. **(Consols):** 9. Jennifer Acken, Santa Clara, 2:18.82. 10. Kelly Kocur, Conejo Simi, 2:21.82. 11. Marilea Lanca, Mission Viejo, 2:23.17. 12. Heather Bickle, Class, 2:23.70. 13. Karen McClure, Clayton Shaw Park, 2:23.82. 14. Kim Martin, Fullerton, 2:23.94. 15. Hilary Quisenberry, Swim San Diego, 2:24.30. 16. Monique Bohnet, L.V. Sandpipers, 2:26.17.

200 IM (Finals): 1. Jill Barber, Sugar Creek, 2:23.98. 2. Kristen Neuenfeldt, Mach III Flyers, 2:24.45. 3. Dawn Emery, Clover Creek, 2:25.15. 4. Sarah Natina, Capital, 2:26.17. 5. Karen Lile, Buena, 2:26.29. 6. Staci Caplan, Santa Barbara, 2:26.68. 7. Mickia Olson, Mach III Flyers, 2:26.74. 8. Kelly Fox, Lobo, 2:26.92. **(Consols):** 9. Kristin Winn, Mission Viejo, 2:25.14. 10. Shannon Howes, Golden Bear, 2:26.15. 11. Laura Vitceda, Colorado Rapids, 2:26.38. 12. Natasha Kohne, Mission Viejo, 2:27.59. 13. Monica Koyama, SEMS, 2:28.14. 14. Julie Parker, Conejo Simi, 2:28.50. 15. Tara Shriner, Santa Maria, 2:28.95. 16. Mary Torgerson, Trojan, 2:29.28.

400 IM (Finals): 1. Karen McClure, Clayton Shaw Park, 5:01.21. 2. Jill Barber, Sugar Creek, 5:03.85. 3. Tanya DuPont, Sugar Creek, 5:04.83. 4. Kristin Tomac, Conejo Simi, 5:06.40. 5. Stacie Duncan, Conejo Simi, 5:08.13. 6. Michelle Hinton, Sugar Creek, 5:13.48. 7. Diane Wandling, Sugar Creek, 5:16.48. 8. Joanna Zeiger, Heartland, DQ. **(Consols):** 9. Natasha Kohne, Mission Viejo, 5:06.39. 10. Shannon Howes, Golden Bear, 5:08.16. 11. Heather Reagan, Click Tucson, 5:08.89. 12. Heather Cahillie, North Jeffco, 5:09.95. 13. Karen Morrison, City of Plano, 5:17.79. 14. Jill Feagles, Industry Hills, 5:11.61. 15. Kelly Fox, Lobo, 5:13.84. 16. Staci Caplan, Santa Barbara, 5:16.87.

400 MR (Timed Finals): 1. Clayton Shaw Park, 4:32.09. 2. North Jeffco, 4:33.26. 3. Conejo Simi, 4:33.81. 4. City of Richardson, 4:34.04. 5. Kansas City Blazers, 4:34.21. 6. Mission Viejo, 4:34.36. 7. Mach III Flyers, 4:36.85. 9. Aqua-Tex, 4:37.02. 9. Texas, 4:37.30. 10. The Woodlands, 4:37.54. 11. Riverside, 4:37.57. 12. Swim San Diego, 4:37.80. 13. Heartland, 4:39.49. 14. Trojan, 4:39.58. 15. Fullerton, 4:40.17. 16. Golden West, 4:40.50.

400 FR (Timed Finals): 1. Riverside, 3:59.60. 2. Mach III Flyers, 4:00.91. 3. Mission Viejo, 4:01.29. 4. Clayton Shaw Park, 4:03.25. 5. Swim San Diego, 4:04.65. 6. Alamo Area, 4:05.77. 7. The Woodlands, 4:05.83. 8. Kansas City Blazers, 4:05.89. 9. Badger Dolphins, 4:06.51. 10. Fullerton, 4:06.66. 11. West Valley, 4:07.01. 12. North Jeffco, 4:07.39. 13. Solo, 4:07.53. 14. Buena, 4:08.08. 15. Phillips 66, 4:08.10. 16. Sports Ranch, 4:09.31.

800 FR (Timed Finals): 1. Conejo Simi, 8:38.34. 2. Mach III Flyers, 8:38.49. 3. Mission Viejo, 8:39.61. 4. The Woodlands, 8:41.52. 5. Heartland, 8:41.65. 6. Fullerton, 8:42.25. 7. Clayton Shaw Park, 8:42.98. 8. Irvine Nova, 8:43.54. 9. Swim San Diego, 8:43.94. 10. Sports Ranch, 8:44.94. 11. Santa Clara, 8:45.92. 12. Alamo Area, 8:45.98. 13. North Jeffco, 8:46.39. 14. Buena, 8:47.71. 15. Kansas City Blazers, 8:48.98. 16. Industry Hills, 8:51.38.

MEN

50 Free (Finals): 1. Jarret Winter, Long Beach, 24.40. 2. Schuyler Smith, North Jeffco, 24.43. 3. Terry Flock, Alameda City, 24.46. 4. Drew Anderson, Dads Club, 24.52. 5. Jeffery Branton, Phillips 66, 24.54. 6. Brett Garr, Bellevue, 24.55. 7. Murray Easton, Alamo Heights, 24.64. 8. John Kassier, Davis Parts, 24.65. **(Consols):** 9. Sean Quackentush, Rochester, 24.53. 10. Bob Childs, Arroyo Seco, 24.65. 10. Walter Denton, Kansas City Blazers, 24.72. 12. Alan Riddle, Topeka, 24.72. 13. John Steel, Solo, 24.80. 14. Bill Ragatz, Madison, 24.95. 15. Casey Hall, Industry Hills, 25.10. 16. Thomas Gorek, Marin Pirates, 25.18.

100 Free (Finals): 1. Noel Strauss, Little Rock, 51.73. **(Prelims: 51.59**)**. 2. Schuyler Smith, North Jeffco, 52.71. 3. Walter Denton, Kansas City Blazers, 53.06. 4. Scott Hubbard, Arden Hills, 53.21. 5. Chad Hundey, Irvine Nova, 53.32. 6. Eric Ford, Irvine Nova, 53.40. 7. Victor Wales, Santa Barbara, 53.49. 8. Terry Flock, Alameda City, 54.01. **(Consols):** 9. Frank Watties, Mission Viejo, 53.27. 10. Jarret Winter, Long Beach, 53.39. 11. John Steel, Solo, 53.63. 12. Scott Schumaker, Mammoth Area, 53.67. 13. Jorge Alarcon, Mission Viejo, 53.88. 14. Filz Williams, San Jose, 54.27. 15. Salomon Castro, Unat., 54.34. 16. Jim Murray, Chinoook, 54.42.

200 Free (Finals): 1. Greg Larson, Irvine Nova, 1:55.00. 2. Eric Ford, Irvine Nova, 1:55.08. 3. David Noble, Fig Garden Dolphins, 1:55.68. 4. Scott Hubbard, Arden Hills, 1:55.85. 5. Christian Trenger, Conejo Simi, 1:56.38. 6. Craig Sutfin, Irvine Nova, 1:56.52. 7. Walter Denton, Kansas City Blazers, 1:57.10. 8. Roland Zschiegner, Buena, 1:59.25. **(Consols):** 9. Noel Strauss, Little Rock, 1:56.56. 10. Mike Picotte, Swim San Diego, 1:56.82. 11. Jeff Kuykendall, Mission Viejo, 1:56.86. 12. Matt Gabrielson, Omaha Suburban, 1:57.48. 13. Todd Edison, Tacoma, 1:57.66. 14. Mike Janney, Ladera Oaks, 1:58.45. 15. David Thorp, Clovis, 1:58.49. 16. John DeGroot, Dads Club, 1:58.99.

400 Free (Finals): 1. Greg Larson, Irvine Nova, 4:01.53. 2. Jeff Kuykendall, Mission Viejo, 4:02.89. 3. Bobby Koob, Sugar Creek, 4:03.94. 4. Daniel Pierce, Chula Vista, 4:05.55. 5. Mike Soderling, North Coast, 4:07.08. 6. David Gillespie, Industry Hills, 4:07.37. 7. Jason Hearn, Tacoma, 4:08.02. 8. David Noble, Fig Garden, 4:12.79. **(Consols):** 9. Matt Barager, Omaha Suburban, 4:06.95. 10. Jared Tees, Space City, 4:07.29. 11. John Morrison, Buena, 4:09.54. 12. David Thorp, Clovis, 4:09.79. 13. Mike Staueheim, Cascade, 4:09.93. 14. Brian Fischer, Mission Viejo, 4:10.77. 15. Kevin Disbrow, North Coast, 4:11.50. 16. Jeff Pearson, Pleasanton, 4:11.62.

800 Free (Timed Finals): 1. Matt Barager, Omaha Suburban, 8:19.92. 2. Daniel Pierce, Chula Vista, 8:24.19. 3. David Gillespie, Industry Hills, 8:24.48. 4. David Noble, Fig Garden, 8:25.00. 5. Jason Hearn, Tacoma, 8:26.29. 6. Craig Sutfin, Irvine Nova, 8:27.50. 7. John Morrison, Buena, 8:27.79. 8. Kevin Disbrow, North Coast, 8:28.36. 9. Brian Fischer, Mission Viejo, 8:28.58. 10. Mike Soderling, North Coast, 8:28.70. 11. Jeff Kuykendall, Mission Viejo, 8:29.05. 12. Bill Lenihan, Industry Hills, 8:32.43. 13. Todd Edison, Tacoma, 8:32.52. 14. Nori Mitsuoka, Industry Hills, 8:34.01. 15. Jeff Pearson, Pleasanton, 8:34.68. 16. Ed Woodland, Aces, 8:34.83.

For the Record

1500 Free (Timed Finals): 1. Bobby Koob, Sugar Creek, 15:48.86. 2. Matt Barager, Omaha Suburban, 15:54.97. 3. Daniel Pierce, Chula Vista, 16:01.06. 4. Chris Seeger, Golden West, 16:14.38. 5. Mike Stauhiem, Cascade, 16:15.66. 6. David Gillespie, Industry Hills, 16:15.90. 7. Brian Fischer, Mission Viejo, 16:16.01. 8. Greg Larson, Irvine Nova, 16:18.86. 9. Kevin Disbrow, North Coast, 16:22.44. 10. Jared Tees, Space City, 16:23.48. 11. Jason Hearn, Tacoma, 16:23.79. 12. Nori Mitsuoka, Industry Hills, 16:26.87. 13. Bill Lenihan, Industry Hills, 16:27.71. 14. John Morrison, Buena, 16:27.91. 15. Jeff Pearson, Pleasanton, 16:29.69. 16. Sam Flowers, Santa Barbara, 16:53.16.

100 Back (Finals): 1. Martin Hewes, Corvallis, 58.88. 2. Jason Callahan, Buena, 59.88. 3. Jason Morgan, Multnomah, 1:00.19. 4. Sam Perry, Com, 1:00.36. 5. J.B. Barr, Nebraska, 1:00.48. 6. Tim Corzine, Bohemia, 1:01.03. 7. Stuart Spencer, Tiger, 1:01.56. 8. Matt Hill, Little Rock, 1:01.59. (Consols): 9. Keith Ludwick, Lewisville, 1:01.50. 10. Dexter Simpkins, The Woodlands, 1:01.63. 11. Eric Weitz, Class, 1:01.76. 12. Lyle Upshaw, City of Plano, 1:01.89. 13. Phillip Haddox, Team Santa Monica, 1:01.94. 14. Scott Hubbard, Arden Hills, 1:01.97. 15. Gary DeFrang, Multnomah, 1:02.00. 16. Mike Janney, Ladera Oaks, 1:02.38.

200 Back (Finals): 1. Jason Callahan, Buena, 2:08.25. 2. Lyle Upshaw, City of Plano, 2:08.39. 3. Jason Morgan, Multnomah, 2:08.58. 4. Sam Perry, Com, 2:09.35. 5. Matt Hill, Little Rock, 2:09.43. 6. Martin Hewes, Corvallis, 2:10.16. 7. Chad Rolfe, Barracuda, 2:12.12. 8. Jeff Kacerek, Buena, 2:13.05. (Consols): 9. Eric Weitz, Class, 2:11.77. 10. Brian Thompson, Santa Clara, 2:12.33. 11. J.B. Barr, Nebraska, 2:12.71. 12. A.J. Summers, Sports Ranch, 2:13.48. 13. Mike Janney, Ladera Oaks, 2:13.83. 14. Arne Miles, Foothills, 2:14.64. 15. David Gillespie, Industry Hills, 2:15.39. 16. Chris Carlisle, Texas, DQ.

100 Breast (Finals): 1. Tyler Mayfield, Las Vegas Gold, 1:05.50**. 2. Wes Sinclair, Las Vegas Gold, 1:07.53. 3. Glenn Peoples, Woodland, 1:07.61. 4. Scott Zabel, So. Snohomish, 1:07.68. 5. Bruce Davis, Tualatin Hill, 1:08.00. 6. Barry Kneewars, Lake County, 1:08.08. 7. Brandt Kuykendall, Indian Valley, 1:08.22. 8. Peter Winfield, Chico Aqua Jets, 1:09.13. (Consols): 9. Brian Nabeta, Golden Bear, 1:08.08. 10. Kelly Parsons, Swim San Diego, 1:08.83. 11. Bob Hrobak, Rainbow, Jason Litt, Indian Valley, 1:09.04. 13. Gerald Munzing, Capital, 1:09.23. 14. Joe Thomas, Altos, 1:09.47. 15. Ian Lee, Rainbow, 1:09.81. 16. Jon Piland, Arden Hills, 1:09.97.

200 Breast (Finals): 1. Glenn Peoples, Woodland, 2:22.74. 2. Bruce Davis, Tualatin Hills, 2:25.69. 3. Richard Ou, City of Richardson, 2:27.13. 4. Marc Brown, Unat., 2:27.48. 5. Patrick Hamilton, Chinook; Scott Smith, Star, 2:27.79. 7. Matt Brown, Bend, 2:29.15. 8. Tyler Mayfield, Las Vegas Gold, 2:29.24. (Consols): 9. Scott Zabel, So. Snohomish, 2:26.10. 10. Gerald Munzing, Capital, 2:28.06. 11. Bob Hrobak, Rainbow, 2:28.09. 12. Peter Winfield, Chico Aqua Jets, 2:28.77. 13. Barry Kneewars, Lake County, 2:29.52. 14. Tommy Campbell, Chinook, 2:29.79. 15. Ian Lee, Rainbow, 2:30.52. 16. Steve Lauffer, Phillips 66, 2:32.51.

100 Fly (Finals): 1. Sean Quackenbush, Rochester, 56.80. 2. Jarret Winter, Long Beach, 56.86. 3. Terry Flock, Alameda City, 57.02. 4. Sean Victor, Tacoma, 57.38. 5. Mike Hagen, Arden Hills, 57.50. 6. Mike Travis, Irvine Nova, 57.51. 7. Alan Riddle, Topeka, 57.95. 8. Jimmy Giottonini, Tiger, 58.42. (Consols): 9. Frank Wattles, Mission Viejo, 57.63. 10. Matt Twillie, Little Rock, 57.72. 11. Robert Sturman, Kansas City Blazers, 58.02. 12. Matt Gabrielson, Omaha Suburban, 58.35. 13. Salomon Castro, Unat., 58.36. 14. Bill Nelson, North Shore, 58.42. 15. Charlie Stevens, Riverside, 58.93. 16. Keith Dennison, Swim Devils, 59.82.

200 Fly (Finals): 1. Robert Sturman, Kansas City Blazers, 2:05.51. 2. Scott Frontis, Swim San Diego, 2:05.74. 3. Van Montoya, Space City, 2:06.05. 4. Jimmy Giottonini, Tiger, 2:06.81. 5. Matt Gabrielson, Omaha Suburban, 2:06.76. 6. Mike Travis, Irvine Nova, 2:06.89. 7. Andrew Cukurs, Industry Hills, 2:06.93. 8. Mike Hagen, Arden Hills, 2:06.96. (Consols): 9. Kelly Parsons, Swim San Diego, 2:06.83. 10. Sean McKenzie, City of Plano, 2:07.05. 11. Erik Engnell, Gopher, 2:07.13. 12. Sean Quackenbush, Rochester, 2:07.74. 13. Gary Van Boxtel, Mission Viejo, 2:07.91. 14. Jeff Barman, Fullerton, 2:08.90. 15. Charlie Stevens, Riverside; Terry Flock, Alameda City, 2:09.28.

200 IM (Finals): 1. Victor Wales, Santa Barbara, 2:08.61. 2. Jason Callahan, Buena, 2:09.69. 3. Matt Gabrielson, Omaha Suburban, 2:10.16. 4. Frank Wattles, Mission Viejo, 2:10.35. 5. Matt Hill, Little Rock, 2:10.69. 6. Ross Takai, Rainbow, 2:11.75. 6. Patrick Hamilton, Chinook, 2:11.94. 8. Scott Frontis, Swim San Diego, 2:12.86. (Consols): 9. Jason Morgan, Multnomah, 2:12.56. 10. Matt Dietrich, Omaha Westside, 2:12.65. 11. Brian Nabeta, Golden Bear, 2:12.81. 12. Mark Kunde, Multnomah, 2:12.84. 13. Erik Engnell, Gopher, 2:13.35. 14. John Guerin, Heartland, 2:13.40. 15. Jorge Alarcon, Mission Viejo, 2:13.69. 16. Joey Rossetti, Santa Rosa, 2:14.51.

400 IM (Finals): 1. Bobby Koob, Sugar Creek, 4:36.27. 2. Glenn Peoples, Woodland, 4:37.45. 3. Victor Wales, Santa Barbara, 4:37.71. 4. Jason Callahan, Buena, 4:37.77. 5. Mark Dietrich, Omaha Westside, 4:40.06. 6. Matthew Covington, Multnomah, 4:40.23. 7. Gary Van Boxtel, Mission Viejo, 4:40.86. 8. Mark Kunde, Multnomah, 4:42.27. (Consols): 9. Dan Lee, Omaha Westside, 4:38.62. 10. Matt Westphal, Evergreen, 4:40.72. 11. Eric Weitz, Class, 4:41.22. 12. Ross Takai, Rainbow, 4:43.59. 13. Matt Barager, Omaha Suburban, 4:43.61. 14. Joe Umphenour, Chinook, 4:44.01. 15. John Guerin, Heartland, 4:47.28. 16. Kelly Parsons, Swim San Diego, 4:52.33.

400 MR (Timed Finals): 1. Las Vegas Gold, 4:01.96. 2. Mission Viejo, 4:03.30. 3. Arden Hills, 4:04.71. 4. Irvine Nova, 4:04.85. 5. Buena, 4:04.95. 6. The Woodlands, 4:04.98. 7. Swim San Diego, 4:05.57. 8. Alamo Area, 4:06.84. 9. Temple Area, 4:07.41. 10. Gopher, 4:07.56. 11. Dads Club, 4:07.90. 12. Rainbow, 4:08.06. 13. Multnomah, 4:08.41. 14. Chinook, 4:08.65. 15. City of Plano, 4:08.91. 16. Industry Hills, 4:08.99.

400 FR (Timed Finals): 1. Irvine Nova, 3:33.36. 2. Mission Viejo, 3:35.64. 3. Dads Club, 3:35.87. 4. Little Rock, 3:36.78. 5. Industry Hills, 3:37.86. 6. North Jeffco, San Jose, 3:38.23. 7. The Woodlands, 3:38.43. 9. Tacoma, 3:40.10. 10. Alamo Heights, 3:40.30. 11.

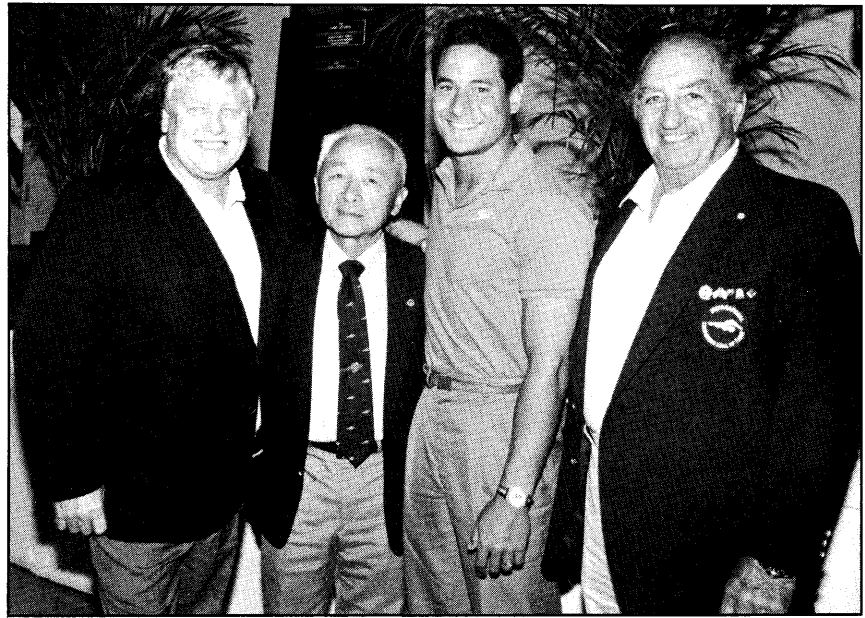


Photo courtesy International Swimming Hall of Fame

Heartland, 3:40.52. 12. Buena, 3:40.75. 13. Rainbow, 3:41.17. 14. Swim San Diego, 3:41.46. 15. Mission Viejo B, 3:41.56. 16. Marin Pirates, 3:42.24.

800 FR (Timed Finals): 1. Irvine Nova, 7:47.53. 2. Tacoma, 7:50.96. 3. Mission Viejo, 7:51.02. 4. Buena, 7:55.72. 5. Industry Hills, 7:56.04. 6. Dads Club, 7:56.11. 7. North Jeffco, 7:58.69. 8. San Jose, 7:58.95. 9. Swim San Diego, 8:00.32. 10. Rainbow, 8:00.69. 11. Multnomah, 8:01.61. 12. Mission Viejo B, 8:02.37. 13. The Woodlands, 8:03.27. 14. City of Plano, 8:03.36. 15. Chinook, 8:04.38. 16. Little Rock, 8:04.67.

DIVING

SWEDISH CUP Ronneby, Sweden June 26-28, 1987

WOMEN

Springboard: 1. Tristan Baker-Schultz, USA, 446.45. 2. Kattrin Bensing, GDR, 446.75. 3. Silke Kruger, GDR, 477.70. 4. Anita Rossing-Brown, SWE, 477.45.

MEN

Springboard: 1. Ron Meyer, USA, 642.75. 2. Doug Shaffer, USA, 632.10. 3. Albin Killat, FRG, 664.60. 4. Niki Stajkovic, GDR, 602.50.

VOLKSBANK INTERNATIONAL Vienna, Austria July 3-5, 1987

WOMEN

Springboard: 1. Brita Baldus, GDR, 525.36. 2. Heidemarie Grecka, TCH, 477.30. 3. Michele Mitchell, USA, 473.25. 4. Tatiana Aljabieva, USSR, 466.77. 5. Debbie Fuller, CAN, 466.17. 6. Anita Rossing-Brown, SWE, 447.78. 7. Kim Fugett, USA, 441.60. 8. Laura Schermi, ITA, 435.00. **Platform:** 1. Michele Mitchell, USA, 440.16. 2. Xu Jie, CHN, 415.35. 3. Debbie Fuller, CAN, 387.06. 4. Laura Schermi, ITA, 377.70. 5. Hana Novotna, TCH, 377.19. 6. Maria Elena Carmuzo, CUB, 366.69. 7. Angela Borthwick, CAN, 359.70. 8. Yulin Li, CHN, 353.55. 9. Valerie Beddoe, AUS, 352.47.

MEN

Springboard: 1. Greg Louganis, USA, 735.63. 2. Albin Killat, FRG, 656.16. 3. Niki Stajkovic, GDR, 647.76. 4. Edgar Ospina, CUB, 625.41. 5. Li Kongzheng, CHN, 625.11. 6. Kent Ferguson, USA, 618.36. Abel Ramirez, CUB, 616.29. 8. Patrick Jeffrey, USA, 614.55. **Platform:** 1. Li Kongzheng, CHN, 636.36. 2. Greg Louganis, USA, 634.86. 3. Patrick Jeffrey, USA, 597.60. 4. Dimitri Sautin, USSR, 568.29. 5. Feng Gao, CHN, 551.91. 6. Steffen Haage, GDR, 538.68. 7. Piero Italiani, ITA, 527.79. 8. Willi Meyer, FRG, 522.36. 9. Kent Ferguson, USA, 505.38.

BOLZANO INTERNATIONAL Bolzano, Italy July 8-9, 1987

WOMEN

Springboard: 1. Michele Mitchell, USA, 476.07. 2. Dana Kruger, GDR, 473.19. 3. Anita Rossing-Brown, SWE, 440.55. 4. Julianne Aor, ITA, 438.96. 5. Laura Schermi, ITA, 437.94. 5. Sveta Alexeva, USSR,

427.50. **Platform:** 1. Michele Mitchell, USA, 403.95. 2. Debbie Fuller, CAN, 381.99. 3. Doris Pecher, FRG, 375.96. 4. Laura Schermi, ITA, 372.75. 5. Nicole Dietrich, GDR, 368.52. 6. Elke Heinrichs, FRG, 365.46.

MEN

Springboard: 1. Greg Louganis, USA, 687.63. 2. Kent Ferguson, USA, 598.50. 3. Patrick Jeffrey, USA, 596.10. 4. Piero Italiani, ITA, 590.19. 5. M. Castellani, ITA, 589.50. 6. Holger Winkowski, GDR, 568.59. **Platform:** 1. Greg Louganis, USA, 646.02. 2. Patrick Jeffrey, USA, 580.44. 3. Kent Ferguson, USA, 561.84. 4. Willi Meyer, FRG, 526.68. 5. Piero Italiani, ITA, 525.81. 6. Robert Morgan, GBR, 519.39.

WORLD UNIVERSITY GAMES Zagreb, Yugoslavia July 13-18, 1987

WOMEN

Springboard: 1. Li Qiaoxian, CHN, 524.97. 2. Lin Xiaoni, CHN, 520.23. 3. Brita Baldus, GDR, 525.45. 4. Karen LaFace, USA, 498.57. 5. Wendy Williams, USA, 486.15. 6. Heidemarie Grecka, TCH, 485.34. **Platform:** 1. Lu Wei, CHN, 458.76. 2. Angela Stasulevich, USSR, 448.56. 3. Lin Xiaoni, CHN, 422.13. 4. Alla Lobankina, USSR, 421.17. 5. Bianca Meyer, GDR, 417.48. 6. Laura Schermi, ITA, 380.67. 8. Cokey Smith, USA, 369.27. 9. Mary Fischbach, USA, 368.79.

MEN

Springboard: 1. Tan Liangde, CHN, 674.91. 2. Li Deliang, CHN, 662.40. 3. Ron Meyer, USA, 622.82. 4. Doug Shaffer, USA, 607.62. 5. Niki Stajkovic, AUT, 603.84. 6. Abel Ramirez, CUB, 601.53. **Platform:** 1. Li Kongzheng, CHN, 631.71. 2. Tong Hui, CHN, 620.61. 3. Georgi Chogovadze, USSR, 598.18. 4. Matt Scoggin, USA, 582.18. 5. Ron Meyer, USA, 569.46. 6. Piero Italiani, ITA, 560.88.

PHILLIPS 66/U.S. DIVING OUTDOOR CHAMPIONSHIPS Bartlesville, Okla. July 28-Aug. 1, 1987

WOMEN

1-Meter Final Results: 1. Megan Neyer, MBAY, 438.84. 2. Kim Fugett, MCD, 433.89. 3. Mary Fischbach, KIM, 432.21. 4. Wendy Lucero, Unat., 421.89. 5. Katie Connors, STAN, 396.51. 6. Alison Maisch, LSU, 393.81. 7. Michele Mitchell, MBAY, 388.98. 8. Lisa Decker, HURR, 383.16. 9. Karla Goltman, MVN, 376.92. 10. Kelli Hill, MBAY, 375.63. 11. A. Jill Schlachach, RRI, 372.81. 12. Nancy Brunet, LADT, 371.43. 13. Terri Millmer, DRD, 368.70. 14. Robyn Benincasa, SDD, 365.79. 15. Britt Williams, MVN, 363.60. 16. Krista Wilson, MVN, 359.61. 17. Kelly Jenkins, COUGAR, 356.49. 18. Dana Kozimor, BAD, 353.19. 19. Jenny Greene, Unat., 351.51. 20. Marina Smith, HURR, 350.13. 21. Laurie Gaudes, SCHR, 345.66. 22. Elizabeth O'Keefe, PENN, 344.40. 23. Clara Trammell, KIM, 343.35. 24. Paula Craib, GAME, 344.10. 25. Kristy Kindig, RAIN, 343.35. 26. Christy Ramos, MBAY, 339.45. 27. Bonnie Pankopf, KIM, 336.08. 28. Eileen Richeitell, JPD, 336.00. 29. Beth Lemon, DIABLO, 335.20. 30. Julie Farrell, Unat., 333.72. 31. Michele Lucci, HOBE, 332.67. 32. Laura Tilly, DIABLO, 331.26. 33. Julie May, NEB, 329.22. 34. Darci Dominick, MBAY, 322.62. 35. Terri Seipel, COUGAR, 313.58. **3-Meter Final:** 1. Kelly McCormick, MCD, 552.39. 2. Megan Neyer, MBAY, 544.29. 3. Kim Fugett, MCD, 512.70. 4. Wendy Lucero, Unat., 510.63. 5. Wendy Lian Williams, HURR, 495.30. 6. Karen LaFace, MCD, 484.14. 7. Tristan Baker-Schultz, Unat., 483.51. 8. Michele Mitchell, MBAY, 482.34. 9. Mary Fischbach, KIM, 470.70. 10. Bonnie Pankopf, KIM, 443.52. 11. Jenni Wagner, LONG, 443.46. 12. Lisa Decker, HURR, 408.21. **Prelims:** 1. Kim Fugett, MCD, 470.25. 2. Karen LaFace, MCD, 464.31. 3. Wendy Lian Williams, HURR, 463.77. 4. Kelly McCormick, MCD, 462.62. 5. Wendy Lucero, Unat.,

Greg Larson (above, third from left) recently received the Sammy Lee Award on behalf of the World Diving Coaches Association. From left are Johnny Bower, Lee, Louganis and Steve Accardi.

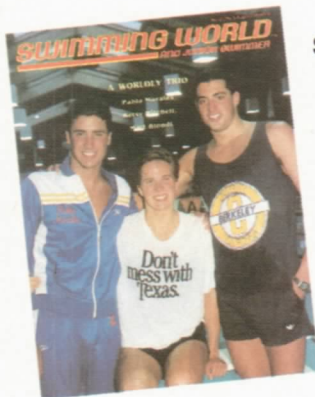
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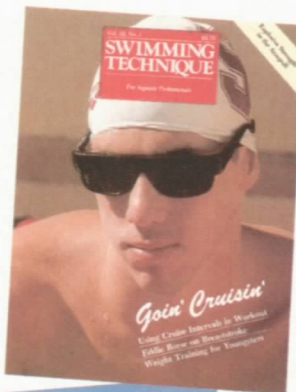


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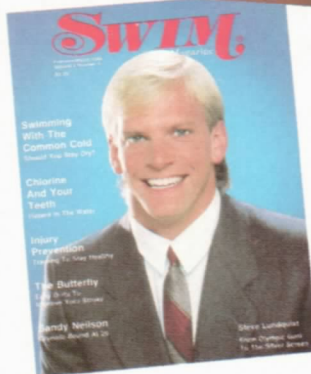
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For the Record

453.75. 6. Tristan Baker-Schultz, Unat., 452.28. 7. Michele Mitchell, MBAY, 438.24. 8. Mary Fischbach, KIM, 433.65. 9. Bonnie Pankopf, KIM, 422.31. 10. Megan Neyer, MBAY, 418.47. 11. Jenni Wagner, LONG, 418.11. 12. Lisa Decker, HURR, 414.93. 13. Sue Cribari, Unat., 413.37. 14. Kelly Jenkins, COUGAR, 411.57. 15. Michele Brown, CDA, 407.16. 16. Mary Ellen Clark, MCD, 396.64. 17. Karla Goltman, MVN, 395.76. 18. Britt Williams, MVN, 386.22. 19. Tami Merrill, STD, 385.41. 20. Krista Wilson, MVN, 384.78. 21. Emily Sullivan, LONG, 384.36. 22. Darcy Dominick, MBAY, 383.67. 23. Robbi Dalton, MBAY; Elizabeth O'Keefe, PENN, 382.56. 25. Courtney Nelson, STAN, 381.60. 26. Lori Rizzuto, RRI, 381.48. 27. Alison Maisch, LSU, 380.76. 28. Jennifer Middleton, MBAY, 379.59. 29. Leisa Johnson, MBAY, 375.99. 30. Becky Martin, Unat., 375.24. 31. Susan McDaniel, RAIN, 375.12. 32. Reyne Borup, Unat., 370.23. 33. Nancy Brunet, LADT, 366.48. 34. Clara Trammell, KIM, 359.88. 35. Tami Schubert, SCHR, 359.70. 36. Katie Connors, STAN, 359.22. 37. A. Jill Schlabach, RRI, 350.64. 38. Kristin Stanley, WYMC, 343.32. 39. Jenny Greene, Unat., 335.97. 40. Christy Ramos, MBAY, 335.91. 41. Donna Flach, PITT, 281.88.

10-Meter Finals: 1. Mary Ellen Clark, MCD, 396.09. 2. Michele Mitchell, MBAY, 386.46. 3. Karen LaFace, MCD, 384.90. 4. Mary Fischbach, KIM, 384.42. 5. Alison Maisch, LSU, 378.72. 6. Cokoey Smith, KIM, 378.24. 7. Mary Hummer, MBAY, 363.54. 8. Courtney Nelson, STAN, 347.97. 9. Genna Weiss, Unat., 331.92. 10. Lisa Tretzger, RRI, 331.35. 11. Katie Connors, STAN, 315.48. 12. Lori Rizzuto, RRI, 315.24. **Prelims:** 1. Cokoey Smith, KIM, 356.49. 2. Alison Maisch, LSU, 344.04. 3. Michele Mitchell, MBAY, 342.99. 4. Genna Weiss, Unat., 340.14. 5. Mary Fischbach, KIM, 338.52. 6. Courtney Nelson, STAN, 338.07. 7. Lori Rizzuto, RRI, 337.11. 8. Karen LaFace, MCD, 335.76. 9. Mary Hummer, MBAY, 332.97. 10. Lisa Tretzger, RRI, 330.00. 11. Katie Connors, STAN, 325.23. 12. Mary Ellen Clark, MCD, 323.37. 13. Jennifer Middleton, MBAY; Sue Cribari, Unat., 318.27. 15. Bonnie Pankopf, KIM, 316.23. 16. Darcy Dominick, MBAY, 310.86. 17. Wendy Lian Williams, HURR, 310.80. 18. Kelli Hill, MBAY, 308.01. 19. Reyne Borup, Unat., 305.25. 20. Kelly Jenkins, COUGAR, 303.69. 21. Amy Hansen, KIM, 303.66. 22. Stacia Johnson, Unat., 298.56. 23. Becky Martin, Unat., 294.27. 24. Nancy Brunet, LADT, 293.91. 25. Christy Ramos, MBAY, 289.50. 26. Lisa Hecker, MVN, 288.24. 27. Susan McDaniel, RAIN, 285.96. 28. April Tassi, MBAY, 281.07. 29. A. Jill Schlabach, RRI, 276.57. 30. Allison Bookless, MCD, 275.16. 31. Leisa Johnson, MBAY, 275.07. 32. Stella Kahn, RRI, 274.08. 33. Clara Trammell, KIM, 270.27. 34. Kristin Jensen, Unat., 269.94. 35. Katy Ketoff, USDD, 269.31. 36. Jennifer Tarara, GCD, 254.43. 37. Julie Greyer, LONG, 238.05.

MEN

1-Meter Final Results: 1. Doug Shaffer, MBAY, 587.40. 2. Greg Louganis, MBAY, 585.93. 3. Kent Ferguson, MBAY, 539.37. 4. Ron Meyer, LSU, 534.81. 5. Perry White, STD, 528.24. 6. Bret Kobel, HOBIE, 507.66. 7. Eric Ognibene, NEB, 496.05. 8. Zeke Crowley, MUST, 483.80. 9. Shawn McLane, HURR, 476.49. 10. Jeff Symons, MVN, 474.90. 11. Scott Donie, MBAY, 468.60. 12. Roy Botsko, HURR, 467.13. 13. Matt Frowley, STAN, 462.87. 14. Michael Bayerl, KIM, 458.37. 15. Jeff Reinholz, LSU, 457.35. 16. Pat Tully, JPD, 453.60. 17. Brian Scotty, CDA, 448.92. 18. John Klueck, WISC, 448.68. 19. Lewis Meyers, NEB, 446.58. 20. Chuck Wade, Unat., 445.86. 21. Scott Upper, MBAY, 443.61. 22. Brent Lichty, Unat., 443.10. 23. Jim Fischer, HOBIE, 442.23. 24. Edward Morse, HURR, 441.87. 25. Scott Whiddon, MBAY, 440.94. 26. Mark Gabos, GCD, 438.69. 27. Curt Bendell, SCHAUM, 436.20. 28. Wes Reed, MCD, 434.67. 29. Lawrence Reddick, NEB, 430.50. 30. Kevin Machemer, MVN, 414.90. 31. Jonathan Fisher, GAME, 411.39. 32. Doug Kirkman, STAN, 408.72. 33. Todd Watkins, LADT, 404.49. 34. John Frayne, Unat., 403.05.

3-Meter Finals: 1. Greg Louganis, MBAY, 714.69. 2. Kent Ferguson, MBA, 674.19. 3. Doug Shaffer, MBAY, 672.90. 4. Ron Meyer, LSU, 663.12. 5. Mark Bradshaw, MCD, 634.11. 6. Patrick Jeffrey, MCD, 596.61. 7. Scott Donie, MBAY, 595.29. 8. Mike Wantuck, MCD, 594.90. 9. Bruce Kimball, KIM, 591.75. 10. Shawn McLane, HURR, 561.96. 11. Lawrence Roddick, NEB, 561.78. 12. Perry White, STD, 544.83. **Prelims:** 1. Greg Louganis, MBAY, 638.61. 2. Ron Meyer, LSU, 620.64. 3. Doug Shaffer, MBAY, 614.73. 4. Mike Wantuck, MCD, 601.05. 5. Mark Bradshaw, MCD, 593.40. 6. Kent Ferguson, MBAY, 584.70. 7. Patrick Jeffrey, MCD, 557.76. 8. Shawn McLane, HURR, 552.45. 9. Lawrence Roddick, NEB, 534.42. 10. Scott Donie, MBAY, 529.05. 11. Perry White, STD, 527.22. 12. Bruce Kimball, KIM, 527.19. 13. Pat Evans, RRI, 527.13. 14. Matt Scoggin, LONG, 526.92. 15. Bret Kobel, HOBIE, 525.95. 16. Brian Scotty, CDA, 522.42. 17. Kevin Machemer, MVN, 519.99. 18. Eric Ognibene, NEB, 512.81. 19. Scott Whiddon, MBAY, 499.32. 20. Jeff Reinholz, LSU, 496.89. 21. Wes Reed, MCD, 494.19. 22. Jim Fischer, HOBIE, 493.89. 23. Sean Briscoe, STAN, 491.61. 24. Lewis Meyers, NEB, 486.69. 25. Mark Lenzi, HOBIE, 477.69. 26. Todd Watkins, LADT, 476.26. 27. David Pichler, Unat., 475.77. 28. Edward Morse, HURR, 473.19. 29. Kurt Bubnis, LONG, 471.63. 30. Zeke Crowley, MUST, 471.45. 31. Jeff Symons, MVN, 468.48. 32. John Klueck, WISC, 468.21. 33. Mark Gabos, GCD, 454.53. 34. Chuck Wade, Unat., 444.39. 35. Matt Breeden, LSU, 442.77. 36. Tom Scotty, CDA, 432.63. 37. Pat Hand, LSU, 423.27.

10-Meter Finals: 1. Greg Louganis, MBAY, 657.12. 2. Matt Scoggin, LONG, 628.41. 3. Kent Ferguson, MBAY, 619.71. 4. Bruce Kimball, KIM, 613.98. 5. Patrick Jeffrey, MCD, 597.12. 6. Ron Meyer, LSU, 587.97. 7. Mike Wantuck, MCD, 565.26. 8. Scott Donie, MBAY, 562.59. 9. Pat Evans, RRI, 500.28. 10. Scott Whiddon, MBAY, 496.32. 11. David Pichler, Unat., 486.69. 12. Andy Beachler, MCD, 450.57. **Prelims:** 1. Greg Louganis, MBAY, 586.92. 2. Bruce Kimball, KIM, 576.21. 3. Ron Meyer, LSU, 566.13. 4. Matt Scoggin, LONG, 560.58. 5. Patrick Jeffrey, MCD, 546.99. 6. Kent Ferguson, MBAY, 522.96. 7. Scott Donie, MBAY, 511.92. 8. Mike Wantuck, MCD, 505.47. 9. Pat Evans, RRI, 497.58. 10. Scott Whiddon, MBAY, 482.19. 11. Andy Beachler, MCD, 466.89. 12. David Pichler, Unat., 462.96. 13. Wes Reed, MCD, 460.65. 14. Mark Virts, LONG, 452.82. 15. Edward Morse, HURR, 452.73. 16. Chuck Wade, Unat., 442.59. 17. Lewis Meyers, NEB, 432.99. 18. Shawn McLane, Unat., 428.55. 19. Jason Rhodes, LONG, 420.21. 20. Sean Briscoe, STAN, 417.39. 21. John Frayne, Unat., 414.15. 22. Jeff Reinholz, LSU, 410.23. 23. Patrick Levy, MVN, 410.04. 24. Cliff Golumb, LONG, 409.05. 25. Eric Ognibene, NEB, 406.14. 26. Kurt Bubnis, LONG, 395.34. 27. David Cotton, RAIN, 395.04. 28. Michael Bayerl, KIM, 386.85. 29. Eric Lesser, MCC, 380.49. 30. Lawrence Roddick, NEB, 372.51. 31. Steve Hamerski, Unat., 365.70. 32. Jorge Rojas, HURR, 364.23. 33. Mike McCalley, PITT, 356.34. 34. Tom Scotty, CDA, 355.02.

FINAL TEAM STANDINGS

Combined: 1. Mission Bay, 331½. 2. McDonald's, 211. 3. Kimball, 99. **Women:** 1. McDonald's, 123. 2. Mission Bay, 120½. 3. Kimball, 70. **Men:** 1. Mission Bay, 211. 2. McDonald's, 88. 3. LSU Aquatics, 54.

For the Record

X PAN AMERICAN GAMES Indianapolis, Ind. Aug. 9-18, 1987

Games Record

WOMEN

Springboard (Aug. 9): 1. Kelly McCormick, USA, 562.77#. 2. Megan Neyer, USA, 544.32. 3. Deborah Fuller, CAN, 491.94. 4. Angela Ribelro, BRA, 461.22. 5. Jessica Ayala, MEX, 457.23. 6. Elsa Tenorio, MEX, 454.14. 7. Jennifer Tysdale, CAN, 411.48. 8. Vivian Alberty, PUR, 395.79. 9. Christina Ramos, PUR, 385.89. 10. Lori Roberts, BAH, 277.38. **Platform (Aug. 15):** 1. Michele Mitchell, USA, 453.96#. 2. Wendy Fuller, CAN, 391.32. 3. Veronica Ribot, ARG, 390.21. 4. Elsa Tenorio, MEX, 381.06. 5. Angela Ribelro, BRA, 379.62. 6. Mary Ellen Clark, USA, 378.99. 7. Deborah Fuller, CAN, 374.04. 8. Christina Ramos, PUR, 352.98. 9. Mary Alcalá, MEX, 333.66. 10. Vivian Alberty, PUR, 316.29.

MEN

Springboard (Aug. 10): 1. Greg Louganis, USA, 754.14#. 2. Doug Shaffer, USA, 684.39. 3. Jose Rocha, MEX, 659.07. 4. Abel Ramirez, CUB, 622.59. 5. John Frank Nash, CAN, 606.45. 6. Edgar Ospina, CUB, 591.42. 7. Jesus Mena, MEX, 570.81. 8. Larry Flewelling, CAN, 545.88. 9. Abraham Suarez, ECU, 518.27. 10. Marcello Zamora, CHI, 462.33. 11. Kenneth Vicens, PUR, 374.01. **Platform (Aug. 16):** 1. Greg Louganis, USA, 894.69#. 2. Matt Scoggin, USA, 596.94. 3. David Bedard, CAN, 548.33. 4. Jorge Mondragon, MEX, 543.51. 5. Jesus Mena, MEX, 528.74. 6. Jeffrey Hirst, CAN, 513.48. 7. Kenneth Vicens, PUR, 407.46.

SYNCHRO

U.S. OLYMPIC FESTIVAL Raleigh, N.C. July 16-26, 1987

Figures: 1. Betsy Visniski, North, 82.600. 2. Kristy Donn, East, 79.000. 3. Christine Youngpeters, North, 78.883. 4. Cheryl Schemenauer, North, 78.800. 5. Tammy Hunt, North, 78.534. 6. Denise Sawicki, North, 78.366. 7. Tia Harding, South, 77.850. 8. Anna Miller, West, 77.833. 9. Catherine Cramer, North, 77.350. 10. Amy Riedel, East, 77.017. 11. Maureen Wortman, East, 76.983. 12. Stephanie Ammirati, West, 76.984.

Solo Final: 1. Betsy Visniski, North, 177.600. 2. Tia Harding, South, 169.250. 3. Anna Miller, West, 168.833. 4. Kristy Donn, East, 167.800. 5. Jill Sudduth, West, 166.883. 6. Maureen Wortman, East, 166.783. 7. Amy Pryor, East, 163.968. 8. Margot Thlen, West, 162.650. 9. Diana Ulrich, South, 182.466. 10. Katie Killebrew, South, 160.817. 11. Sharon Dillon, North, 160.216. 12. Ruth Mannes, North, 157.833.

Duet: 1. Cathy Cramer & Tammy Hunt, North, 170.142. 2. Julie Doyle & Christine Youngpeters, North, 168.342. 3. Denise Sawicki & Cheryl Schemenauer, North, 166.786. 4. Anna Caci & Jane Hilbert, East, 166.159. 5. Tia Harding & Alice Reese, South, 165.317. 6. Laurie Martin & Jill Sudduth, West, 165.158. 7. Kristy Donn & Jennifer Bagley, East, 165.133. 8. Kelly Chur & Amy Riedel, East, 163.484. 9. Nadine Bekker & Stephanie Moon, West, 160.892. 10. Nicole Banks & Kim Cuffe, West, 180.309. 11. Katie Killebrew & Janet Wiercking, South, 157.909. 12. Carol Cochrane & Jennifer Freeman, South, 154.108.

Team: 1. North, 172.677. 2. West, 167.744. 3. East, 167.658. 4. South, 164.285.

PAN PACIFIC CHAMPIONSHIPS Brisbane, Australia July 18-19, 1987

Figures: 1. Carolyn Waldo, CAN, 95.197. 2. Karin Larsen, CAN, 92.834. 3. Sylvie Frechette, CAN, 91.214. 4. Traci Meades, CAN, 89.246. 5. Michelle Cameron, CAN, 89.028. 6. Mikako Kotani, JPN, 88.745. 7. Kathy Glen, CAN, 88.244. 8. Charlene Davis, CAN, 86.696. **Solo:** 1. Carolyn Waldo, CAN, 193.397. 2. Mikako Kotani, JPN, 185.745. 3. Tracy Fearnow, USA, 181.180. 4. Lourdes Candini, MEX, 174.878. 5. Ying Zhang, CHN, 189.944. 6. Lisa Critoph, AUS, 161.079. 7. Sue Kyung Ha, KOR, 158.915. 8. Alexandra Coombs, NZL, 149.764.

Duet: 1. Carolyn Waldo & Michelle Cameron, CAN, 190.712. 2. Mikako Kotani & Miyako Tanaka, JPN, 182.969. 3. Patti Lynn & Heather Simmons, USA, 181.188. 4. Lourdes & Susana Candini, MEX, 173.829. 5. Ying Zhang & Liheng Yan, CHN, 166.778. 6. Lisa Lieschke & Simone Rohloff, AUS, 163.963. 7. Hee Jun & Jung Yoon Choi, KOR, 158.312. 8. Ching Yee Pong & Ka Yi Tse, HKG, 109.120. **Team:** 1. Canada, 186.486. 2. USA, 179.791. 3. Japan, 178.700. 4. Mexico, 170.340. China, 168.717. 6. Korea, 156.666.

AMERICAN CUP III Orlando, Fla. July 30-Aug. 2, 1987

Figures: 1. Tracie Ruiz-Conforto, USA, 96.650. 2. Karen Josephson, USA, 95.050. 3. Sarah Josephson, USA, 93.150. 4. Mikako Kotani, JPN, 91.970. 5. Karen Madsen, USA, 89.670. 6. Patti Lynn, USA, 89.190. 7. Aki Takayama, JPN, 89.090. 8. Hisako Aoiishi, JPN, 88.080.

Solo Final: 1. Tracie Ruiz-Conforto, USA, 197.2500. 2. Mikako Kotani, JPN, 188.7700. 3. Alexandra Worlich, AUT, 181.1700. 4. Karin Singer, SUI, 181.0100. 5. Julie Bibby, CAN, 177.7400.

Duet: 1. Karen & Sarah Josephson, USA, 192.7000. 2. Mikako Kotani & Miyako Tanaka, Japan, 186.5700. 3. Edith Boss & Karin Singer, Switzerland, 181.1900. 4. Julie Bibby & Heather Bailey, Canada, 176.7800.

Team: 1. USA, 181.9682. 2. Canada, 178.9262. 3. Switzerland, 175.5550.

X PAN AMERICAN GAMES Indianapolis, Ind. Aug. 12-16, 1987

Solo: 1. Tracie Ruiz-Conforto, USA, 195.484. 2. Sylvie Frechette, CAN, 188.184. 3. Teresa Perez, CUB, 178.151. 4. Lourdes Candini, MEX, 177.851. 5. Maria Giusti, VEN, 169.084. 6. Paula Carvalho, BRA, 168.284. 7. Monica P. Berrio, COL, 161.001. 8. Laura Daners, URU, 153.318.

Duet: 1. Sarah & Karen Josephson, USA, 192.117. 2. Karen Sribney & Karen Fonteyne, Canada, 183.450. 3. Lourdes & Susana Candini, Mexico, 177.517. 4. Teresa Perez & Raisa Suarez, Cuba, 175.000. 5. Ana Amicarella & Maria Glusti, Venezuela, 171.775. 6. Chris Albuquerque & Eva Riera, Brazil, 168.659. 7. Nancy Duque & Monica Berrio, Colombia, 163.984. 8. Laura Daners & Raquela Carpin, Uruguay, 154.742.

Team: 1. USA, 190.598. 2. Canada, 183.777. 3. Mexico, 174.858. 4. Brazil, 171.198. 5. Colombia, 166.346.

WATER POLO

WORLD UNIVERSITY GAMES Zagreb, Yugoslavia July 9-18, 1987

Round 1: Group 1: USA 9-Cuba 9, Cuba 11-France 6, USA 9-France 8. **Group 2:** China 13-Turkey 5, Yugoslavia 8-Canada 3, Yugoslavia 20-China 6, Canada 10-Turkey 5, China 11-Canada 5, Yugoslavia 18-Turkey 4. **Group 3:** Korea 9-Japan 9, USSR 18-Great Britain 3, Korea 15-Great Britain 11, USSR 14-Japan 7, USSR 11-Korea 6, Japan 12-Great Britain 4. **Group 4:** Italy 8-Australia 7, Hungary 7-Australia 6, Hungary 10-Italy 10.

Rungway 10: Bottom 8: Canada 17-Great Britain 8, Australia 13-Korea 4, France 8-Turkey 4, Turkey 10-Great Britain 9, Canada 14-Korea 7, Australia 10-Turkey 7, Turkey 6-Great Britain 4, Australia 9-Canada 8, France 6-Korea 5, Canada 9-Turkey 3, Australia 8-France 6, Great Britain 7-Korea 6.

Top Eight Quarterfinals: Group 1: Yugoslavia 9-USA 6, Cuba 16-China 11, USA 13-China 10, Yugoslavia 12-Cuba 9. **Group 2:** USSR 10-Hungary 6, Italy 21-Japan 5, Japan 8-Hungary 7, Italy 8-USSR 8.

Round 3 Semifinals: Italy 8-Yugoslavia 6, Cuba 7-USSR 5, USA 10-Hungary 6, China 8-Japan 5.

7th-Place Game: Hungary 11-Japan 5. **5th-Place Game:** USA 12-China 11. **Bronze Medal Game:** Yugoslavia 13-USSR 6. **Gold Medal Game:** Italy 15-Cuba 14 (double OT).

FINAL TEAM STANDINGS
1. Italy, 4-0-2. 2. Cuba, 3-2-1. 3. Yugoslavia, 6-1-0. 4. USSR, 4-2-1. 5. USA, 4-1-1. 6. China, 3-4-0. 7. Hungary, 2-3-1. 8. Japan, 2-4-1. 9. Australia, 5-2-0. 10. Canada, 5-3-0. 11. France, 3-4-0. 12. Turkey, 2-6-0. 13. Great Britain, 1-7-0. 14. Korea, 1-6-1.

U.S. OLYMPIC FESTIVAL Raleigh, N.C. July 15-26, 1987

WOMEN

Round 1: West 10-North 8, East 9-South 8. **Round 2:** South 9-North 6, East 12-West 9. **Round 3:** South 8-West 5, East 9-North 5. **Round 4:** West 8-North 4, East 11-South 7. **Round 5:** East 12-West 6, South 11-North 6. **Round 6:** South 7-West 4, East 10-North 5. **Bronze Medal Game:** West 6-North 2. **Gold Medal Game:** East 9-South 8.

FINAL TEAM STANDINGS
1. East, 7-0-0. 2. South, 4-3-0. 3. West, 3-4-0. 4. North, 0-7-0.

LEADING SCORERS
1. Maureen Mendoza, East, 19. 2. Laura Baker, South, 15. 3. Marybeth Kolding, West, 14.

MEN

Round 1: West 6-North 4, South 7-East 5. **Round 2:** South 6-North 5, West 8-East 8. **Round 3:** South 6-West 3, East 12-North 10. **Round 4:** North 4-West 4, South 10-East 10. **Round 5:** South 12-North 6, East 9-West 8. **Round 6:** South 12-West 7, East 12-North 8. **Bronze Medal Game:** West 12-North 7 (OT). **Gold Medal Game:** South 10-East 7.

FINAL TEAM STANDINGS
1. South, 6-0-1. 2. East, 3-2-2. 3. West, 2-3-2. 4. North, 0-6-1.

LEADING SCORERS
1. Alexis Rousseau, South, 21. 2. Vince Tonne, North, 16. 3. Larry Mouchawar, West, 15.

X PAN AMERICAN GAMES Indianapolis, Ind. Aug. 16-22, 1987

Round 1: Cuba 12-Brazil 5, Canada 12-Puerto Rico 9, USA 10-Mexico 3. **Round 2:** Mexico 9-Brazil 8, Cuba 18-Puerto Rico 8, USA 12-Canada 4. **Round 3:** Brazil 8-Puerto Rico 7, Canada 8-Mexico 8, USA 5-Cuba 3. **Round 4:** Brazil 6-Canada 5, Cuba 10-Mexico 4, USA 17-Puerto Rico 3. **Round 5:** Cuba 10-Canada 6, Puerto Rico 7-Mexico 6, USA 15-Brazil 4.

Bronze Medal Game: Brazil 5-Canada 4. **Gold Medal Game:** USA 6-Cuba 4.

FINAL TEAM STANDINGS
1. USA, 6-0-0. 2. Cuba, 4-2-0. 3. Brazil, 3-3-0. 4. Canada, 1-4-1. 5. Mexico, 1-3-1. 6. Puerto Rico, 1-4-0.

LEADING SCORERS
1. James Bergeson, USA, 12. 2. Raul de la Pena, Mexico, 11. 3. Jody Campbell, USA, 10.

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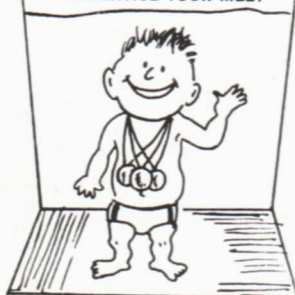
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9-11 Las Vegas, Nev.: Las Vegas Gold Oct. Swim Festival—702-385-7946
10 Pacific LSC, Calif.: SR Circuit, lc—415-383-7281
10-11 San Ramon, Calif.: Zone 2 Invt., sc—415-798-3742
10-11 Selma, Calif.: RCA ABC, sc—209-834-2435
10-11 Stockton, Calif.: Delta Valley Aquatics Invt., sc—209-478-6229
10-11 Woodland Hills, Calif.: Del Taco Stingrays ABC, sc
10-11 Coral Springs, Fla.: ABC County—305-757-0317
10-11 Dade Cty., Fla.: ABC County—305-963-6934
10-11 No. Palm Beach, Fla.: ABC County—305-626-4346
10-11 Port Charlotte, Fla.: Charlotte Aquatic ST AG/SR Open, sc—813-627-0816
16 Hartsdale, N.Y.: Condors 1000 & AG
17 Menlo Park, Calif.: K-8 Champs, sc—415-364-6272
17-18 Novato, Calif.: IVNA Relay/Sprint Invt., sc—415-897-1475
17-18 San Jose, Calif.: West Coast Aquatics B-A+, sc—408-238-0964
17-18 San Ramon, Calif.: Zone 2 Invt., sc—415-798-3742
17-18 Evansville, Ind.: Univ. of So. Ind. Aquatic Eagles Open Develop.—812-985-9613
17-18 Kokomo, Ind.: Kokomo YMCA Pumpkin Patch Splash—317-459-3516
17-18 Warsaw, Ind.: Warsaw Y Develop.—219-353-7989
18-19 Modesto, Calif.: City of Modesto ST Invt., sc—209-571-0386
23-25 Largo, Fla.: West Florida Lightning Aquatics AG/SR B, sc—813-595-6693
23-25 Charleston, W.Va.: 14th Debbie Kortz Memorial Mountaineer AB—304-357-4825
24 Tulare, Calif.: Tulare BC, sc—209-688-8025
24 Lynnville, Ind.: Tecumseh SC Invt./Develop.—812-922-5587
24 Dayton, Ohio: New Swimmers Meet—513-890-3768
24 Columbus, Ohio: GCST/First Third B Meet—614-890-1569
24-25 Saratoga, Calif.: West Valley AT JR/SR, lc—408-255-9905
24-25 Fort Myers, Fla.: Swim Florida AG/SR Open, sc—813-939-7946
24-25 Titusville, Fla.: North Brevard SA AG/ Open, sc—305-267-5649
24-25 Peoria, Ill.: Heart of Illinois Spooktacular, ABC—309-263-7885
24-25 Lafayette, Ind.: LAPS Pizza Hut Classic Invt.—317-474-3625
24-25 New York, N.Y.: Columbia ABC
24-25 White Plains, N.Y.: White Plains YMCA
24-25 Upper St. Clair, Pa.: Fall Festival—412-833-0845
24-26 Bunker Hill, Ind.: Maconaquah SC Fall Invt.—317-473-6171

- 25 Greenwood, Ind.: Greenwood AT Fabulous 50s Swim Own Age—317-888-9227
25 East Setauket, N.Y.: Three Village BC
31 Boca Raton, Fla.: SR Meet—305-488-2001
31 Elkhart, Ind.: Concord SC BC Invt.—219-875-7190
31 Cincinnati, Ohio: CPM Mini-Meet—513-761-3320
31-1 San Mateo, Calif.: Mid-Peninsula Mariners Invt., sc—415-594-0191
31-1 Dunedin, Fla.: Dunedin AC AG/SR Open, sc—813-736-5482
31-1 Jacksonville, Fla.: Amberjax AG/SR B Open, sc—904-246-1508
31-1 Ocala, Fla.: Central Florida CC AG/SR Open, sc—904-237-2111
31-1 St. Charles, Ill.: St. Charles Halloween Classic, ABC—312-584-5341
31-1 Lowell, Ind.: Lowell Dolphin SC Oktoberfest Develop./Invt.
31-1 Seymour, Ind.: Seymour Seahawk AC Fall Fling—812-522-6379
31-1 Tell City, Ind.: Tell City SC Develop.—812-547-4612
31-1 Tippecanoe Valley, Ind.: Tippecanoe Vly. AC Swim Your Own Age
31-1 Flushing, N.Y.: Flushing YMCA Daily News & 1000

NOVEMBER

- 6-8 Sarasota, Fla.: Sarasota YMCA AG/SR Open, sc—813-366-4348
6-8 Logansport, Ind.: Cass County Y 10th Watts Mem. ABC—219-722-1251
6-8 Poughkeepsie, N.Y.: Marist Unclash.
6-8 Dayton, Ohio: Dayton Raider Nov. Invt.—513-873-2271
6-8 Worthington, Ohio: Worthington Open—614-436-3128
7 Pacific LSC, Calif.: SR Circuit—415-383-7281
7 Tampa, Fla.: Carrollwood Village ST 12&u B Open, sc—813-962-4399
7 Fort Wayne, Ind.: SE Family Y 10&u Swim Own Age—219-747-3702
7 Madison, Ind.: Madison Area AC Super Sprint Meet
7 West Lafayette, Ind.: W. Lafayette SC C Lake Grove, N.Y.: Sachem Unclash.
7-8 Merced, Calif.: Merced Elks Skimmers Fall Champs, sc—209-722-6052
7-8 Pittsburgh, Calif.: Delta Waves A+, sc—415-634-SWIM
7-8 Vallejo, Calif.: Vallejo AC B-A+, sc—707-642-3315
7-8 Jacksonville, Fla.: ABC County—305-492-4173
7-8 Miami, Fla.: ABC County—305-596-3862
7-8 Palm Beach Cty., Fla.: ABC County—305-793-1488
7-8 Arlington, Ill.: Preppy Bowl—312-437-6441
7-8 Chicago, Ill.: RAF/Brother Rice Classic—312-776-5220
7-8 Morrison, Ill.: Morrison 2nd Novelty Meet—815-625-3652
7-8 Boonville, Ind.: Boonville Pirates ST Invt.—812-897-3650/812-897-4077
7-8 Indianapolis, Ind.—Carmel SC—317-848-9545
7-8 Michigan City, Ind.: Sullair Piranha SC Develop.—219-879-7678
7-8 Bronx, N.Y.: GAK-Fordham
7-8 Long Beach, N.Y.: Long Beach BC
7-8 Toledo, Ohio: GTAC JR—419-381-1453
13-15 Amersfoort, HOL: 12th Speedo Meet
13-15 Des Moines, Iowa: WestBank Capital Invt., AB—515-277-0244
13-15 Newburgh, Ind.: Newburgh Sea Creatures ABC—812-853-9470
13-15 Flushing, N.Y.: FLY Big Apple Classic
13-15 Metro LSC, N.Y.: N. Shore AA 8&u, BC
13-15 Poughkeepsie, N.Y.: Dutchess Devilfish
13-15 Greensboro, N.C.: John Dewey A Invt., AG/SR Open, sc—919-288-6404

- 13-15 Cincinnati, Ohio: Nov. Invt.—513-761-3320
13-15 Sylvania, Ohio: Sylvania Invt.—419-882-2761
14 Goshen, Ind.: Goshen Gators/Penn SC 10&u Swim Own Age—219-674-6175
14-15 Palo Alto, Calif.: Palo Alto SC B, sc—415-323-7403
14-15 Walnut Creek, Calif.: Walnut Creek Aquabears B, sc—415-284-7489
14-15 Wheeling, Ill.: Lake Forest SC Develop.—312-438-7706
14-15 Bloomington, Ind.: Bloomington SC Invt.—812-332-4615
14-15 Valparaiso, Ind.: Valparaiso SC Popcorn Paddle Invt.—219-462-8530
14-16 Moline, Ill.: Rock Island Y Fall Classic, AB SR—309-786-9761
15 Jacksonville, Fla.: Bolles School Sharks AG, sc—904-733-0176
20-21 Indiana: IHSAA Finals
20-22 Longwood, Fla.: Stars of Cent. Fla. AG/SR Open, sc—305-862-3232
20-22 Indianapolis, Ind.: Washington Township SC Holiday Invt.—317-255-5872
20-22 South Bend, Ind.: South Bend Y Dolphin Coca Cola Classic—219-277-6651
20-22 Connetquot, N.Y.: Connetquot BC
20-22 Hartsdale, N.Y.: Condors 1650, AG AB
20-22 Dayton, Ohio: Fall Invt.—513-426-5809
21 Fresno, Calif.: Fig Garden Dolphins BC Champs, sc—209-226-5123
21 San Diego, Calif.: All-Star Meet, sc
21 Kokomo, Ind.: Kokomo AT Teddy Bear Splash
21 New York, N.Y.: NYAC Unclash.
21-22 Pacific LSC, Calif.: Pleasanton Sea Hawks JR/SR, tf, sc—415-828-7923
21-22 Soquel, Calif.: Santa Cruz County AT A+, sc—408-462-5389
21-22 DeKalb, Ill.: McDonald's Huskie Sprint Classic—815-758-3551
21-22 Hinsdale, Ill.: Hinsdale 5th Fall Meet—312-325-6252
21-22 Columbus, Ind.: Donner SC Develop.—812-372-7311
21-22 Newburgh, N.Y.: Newburgh Dist., 8&u
22 Munster, Ind.: Munster SC Pepsi New Generation Swim Own Age—219-836-1588
27-29 Toronto, Ont., Canada: Esso Intl.
27-29 Orlando, Fla.: Justus Dolphins AG/SR, sc—305-646-2123
27-29 Barrington, Ill.: 8th Mustang Holiday Classic, AB—312-382-1586
27-29 Evanston, Ill.: Wildkit Thanksgiving Classic, ABC—312-864-4348
27-29 LaPorte, Ind.: Howmet Turbo SC Wendy's Maple City Classic—219-362-4467
27-29 Columbus, Ohio: Thanksgiving Invt.—614-451-2978
27-29 Toledo, Ohio: Turkey Invt.—419-381-1453
28-29 Pacific LSC, Calif.: AA+, sc—707-224-8811
28-29 Evansville, Ind.: Univ. of Evansville AC

DECEMBER

- 4-6 St. John, Ind.: Lake Central Barracudas Winter Meet—219-322-6757
5 Pacific LSC, Calif.: SR Circuit, lc—415-383-7281
5 Fort Lauderdale, Fla.: Santa Claus Invt.—305-492-4173
5 Jacksonville, Fla.: Navy Jax ST AG Open, sc—904-262-1302
5 Hempstead, N.Y.: Trots Finmen
5-6 Fowler, Calif.: RCA ABC—209-834-2435
5-6 Pacifica, Calif.: Pacifica Sea Lions B-A+, sc—415-359-5580
5-6 Pleasanton, Calif.: Pleasanton Seahawks B-A+, sc
5-6 Naples, Fla.: CCY Swim Florida AG/SR Open, sc—813-597-3148
5-6 Tampa, Fla.: Univ. SC AG/SR Open, sc—813-949-8008

Calendar

- 5-6 Deerfield, Ill.: Coho Classic, BC—312-945-6791/312-945-9603
- 5-6 Glen Ellyn, Ill.: Winter Splash—312-653-4714
- 5-6 Anderson, Ind.: Anderson Comm. AC Invit., ABC—317-649-3227
- 5-6 Fort Wayne, Ind.: SE Family Y Candy Cane Invit.—219-747-3702
- 5-6 Indianapolis, Ind.: Swim Indy 3rd Snowball Invit.
- 5-6 Reno, Nev.: Reno AC B-A+, sc—702-825-0938
- 5-6 Charleston, W. Va.: Sun Aquatics 14th Wishbone AB—304-357-4825/304-345-1959
- 6 Rock Island, Ill.: Rock Island Pentathlon Trophy Meet—309-786-7782
- 6 Crawfordsville, Ind.: Sugar Creek SC C—317-362-3882
- 6 Westerville, Ohio: COSA Mile Meet—614-552-5552
- 11-13 Fort Lauderdale, Fla.: Hall of Fame Trophy Meet—305-764-4822
- 11-13 Gainesville, Fla.: Holmes Lumber Gators AG/SR A, sc—904-378-4322
- 11-13 Elkhart, Ind.: Elkhart Y 3rd Rudolph Romp Invit.—219-264-3759
- 11-13 White Plains, N.Y.: Y-Mid t&f
- 11-13 Cincinnati, Ohio: CPM December Invit.—513-761-3320
- 11-13 Columbus, Ohio: First Third/GCST Holiday Invit.—614-890-1569
- 12-13 Bradford, England: City of Bradford Intl. Swim Meet—044-274-671658
- 12-13 Morgan Hill, Calif.: Morgan Hill SC B-A+, sc—408-779-1443
- 12-13 Pacific LSC, Calif.: LSC Champs, sc—707-224-8811
- 12-13 Palatine, Ill.: Palatine Splash—312-991-5736

- 12-13 Jasper, Ind.: Jasper Aquatic Wildkat Invit., ABC—812-482-3272
- 12-13 Marion, Ind.: Marion AC Invit., ABC—317-674-6417
- 12-13 Terre Haute, Ind.: Terre Haute AC Develop.—812-299-5439
- 12-13 Lenoir, N.C.: Marlin Open, ABC, sc—704-758-7361
- 12-13 Bowling Green, Ohio: Bowling Green Holiday Invit.—419-353-1654
- 13 Dix Hills, N.Y.: Half Hollow Hills BC
- 18-20 Kokomo, Ind.: Kokomo AT Invit.
- 18-20 New York, N.Y.: Columbia/Fordham AA Mod.
- 18-20 Poughkeepsie, N.Y.: Marist Unclass.
- 18-20 Pittsburgh, Pa.: 26th Allegheny Mtn. Christmas Meet—412-963-9496
- 20-22 Orlando, Fla.: U.S. Open—303-578-4578
- 27 Kankakee, Ill.: Kankakee Holiday Meet—815-939-3369

JANUARY 1988

- 2 Pendleton, Ind.: Pendleton SC Falls Invit./Develop.—317-778-4058
- 2-3 Peoria, Ill.: PAWW New Year's Meet—309-692-5645
- 2-3 St. Charles, Ill.: St. Charles Snowball Classic, ABC—312-584-5341
- 2-3 Indianapolis, Ind.: Lawrence ST JR. Invit., t&f—317-842-7963
- 2-3 Westerville, Ohio: New Year's Invit.—614-552-5552
- 8-10 Boca Raton, Fla.: New Year's Classic—305-488-2001
- 8-10 Evansville, Ind.: Univ. of Evansville AC
- 8-10 Indianapolis, Ind.: Carmel SC—317-848-9545
- 8-10 Dayton, Ohio: Kettering Invit.—513-890-3768
- 9 Converse, Ind.: Oak Hill SC Invit./Develop.—317-922-7655
- 9-10 Decatur, Ill.: Staley ABC, AG/SR—217-429-2728
- 9-10 Northbrook, Ill.: January Dazzle, BC—312-272-4795
- 9-10 Westmont, Ill.: Westmont SC Mid-America Classic, BC—312-665-0525
- 9-10 Crawfordsville, Ind.: Sugar Creek SC Invit.—317-362-3882
- 15-16 Glen Ellyn, Ill.: A.T.&T. Computer Classic, 14&u—312-983-1057
- 15-17 Evansville, Ind.: Univ. of So. Ind. Aquatic Eagles ST—812-985-9613
- 15-17 Madison, Ind.: Madison Area AC Winter Invit.
- 15-17 Cincinnati, Ohio: CPM January Invit.—513-761-3320
- 15-17 South Toledo, Ohio: STY Holiday Invit.—419-381-1225
- 16 Greenwood, Ind.: Greenwood AT Invit.—317-888-9227
- 16-17 Kokomo, Ind.: Marcia G. Kelley Invit., AB—317-459-3516
- 16-17 Zionsville, Ind.: Zionsville SC Invit.—317-873-6928
- 16-17 Columbus, Ohio: Twin Winner Invit.—614-451-2978
- 16-17 Delray Beach, Fla.: AB, 14&u—305-588-7129
- 17 Indianapolis, Ind.: Quadrangular Meet
- 22-24 Geneva, Switzerland: 23rd Intl. Champs. of Geneva—022.42.19.72
- 22-24 Highland, Ind.: Highland Hurricanes SC Winter Swim, AB—219-972-1284
- 23-24 Champaign, Ill.: Presidents' Classic, AB—217-398-2550
- 23-24 Chicago, Ill.: Shabbona 1650/Novelty Events—312-545-4218
- 23-24 Moline, Ill.: New Year's Swim Celebration, ABC SR—309-787-3913
- 23-24 Vincennes, Ind.: Vincennes ST Invit.—812-885-3367
- 23-24 West Lafayette, Ind.: W. Lafayette ST Winter Swim, AB

- 23-24 Defiance, Ohio: Ayersville Mid-Winter Invit.—419-782-2261
- 24 Michigan City, Ind.: Michigan City Y Barracudas Polar Bear Invit., AG/Open
- 29-30 Columbus, Ohio: Mike Peppe Classic
- 29-31 Kenton County, Ky.: Kenton County Mid-Winter Classic—606-341-9319
- 29-31 Indianapolis, Ind.: Swim Indy 5th Circle City Classic Invit., AB
- 29-31 Merrillville, Ind.: Merrillville AC Valentine Classic Invit., AB—219-980-5518
- 29-31 Worthington, Ohio: Kelly German Invit.—614-436-3128
- 30 Columbus, Ohio: Fifth/Third GCST B—614-890-1569
- 30-31 Delray Beach, Fla.: ABC County—305-588-7129
- 30-31 Fort Lauderdale, Fla.: ABC County—305-764-4822
- 30-31 Miami, Fla.: ABC County—305-596-1789
- 30-31 Oak Park, Ill.: Oak Park BC—312-771-2163
- 30-31 Jasper, Ind.: Jasper Aquatic Wildcats Kimballfest—812-482-3272
- 30-31 Terre Haute, Ind.: Wabash Valley SC Cannonball Invit.

MASTERS

- OCTOBER
- 24 Santa Fe Springs, Calif.: Long Event Meet—213-944-5509 (before 9 p.m. PST)
- NOVEMBER
- 14 Woodland Hills, Calif.: Turkey Shoot Swim Meet—818-992-1820
- 21-22 Anderson, S.C.: Electric City Invit., scm
- DECEMBER
- 6 Cerritos, Calif.: Cerritos Swim Meet—213-926-7548

DIVING

- DECEMBER
- 3-6 Boca Raton, Fla.: One-on-One Champs—305-488-2001
- 26-27 Boca Raton, Fla.: Mike Peppe Invit.—305-488-2001

WATER POLO

- OCTOBER
- TBA Florida: Men's SR Champs—303-578-4549
- TBA Merced, Calif.: JR Outdoor Natls.—303-578-4549
- NOVEMBER
- 28-30 Long Beach, Calif.: NCAA Men's Water Polo Champs

SYNCHRONIZED SWIMMING

Contact: 317-633-2000

- OCTOBER
- 22-25 Richmond, Va.: Masters Natls.

CLINICS

- OCTOBER
- 10-17 Colorado Springs, Colo.: 1987 Coaches College
- 15-17 Arlington, Va.: Natl. Conf. on Sport Psychology—303-578-4575
- 24-25 Valley Forge, Pa.: Eastern States Swim Coaches Clinic—Peter Daland, 213-743-2754
- 30-31 Daytona Beach, Fla.: Women & Strength Sports '87—303-578-4575

LONG DISTANCE

- NOVEMBER
- 21 Ala Moana, Hawaii: Nuuanu YMCA Turkey Swim, 2 km.—808-536-3556
- 22 Waikiki, Hawaii: Waikiki 3 mi. Swim—808-536-7540
- DECEMBER
- 20 Honolulu, Hawaii: Hawaiian Christmas Long Distance Invit.—808-988-7788
- JANUARY 1988
- 1 San Pedro, Calif.: New Year's Day Open Ocean Cold Water Swim, 1 mi.—213-833-1377

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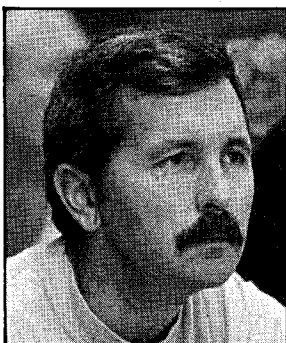
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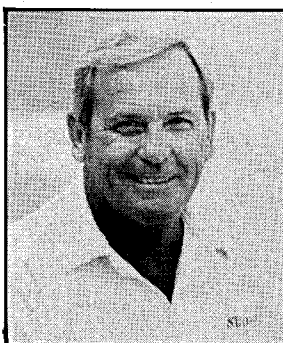
Finishing Touch

How many times can a swimmer go fast during a given season?



Randy Reese: I don't think that a person can shave more than three or four times a year. But as far as swimming close to it (best time) being unshaved, then I think you're looking at the

different classifications—sprinter, middle distance or distance swimmer. I think a lot of times, your sprinters should be able to get reasonably close to it, probably more often than your distance and middle distance people. I'd say that distance people can (shave) two to three times (per season); middle distance, three to four, and four to five times for sprinters. And then as far as swimming in meets, unshaved and semi-rested, to go reasonably good times, I think you can add another two on to each of those.



George Haines: Well, I don't know about personal bests, but I think they should be able to swim fast more than twice a year. They should be able to swim fast two or three times

during the short course season and then go swim their lifetime bests at nationals. This is what we always do and what I've done for 30 years. The only time they shave and taper is at nationals or if they have to make cuts . . . and there is nothing wrong with doing that either.



Mary Wayte: Depending on who you are and who your coach is, it varies. If you're Jager or Biondi, it's all the time. For me, I think two or three times in the

short course season; long course, definitely no more than two times. If people try to swim fast in every meet, it hurts at the end.



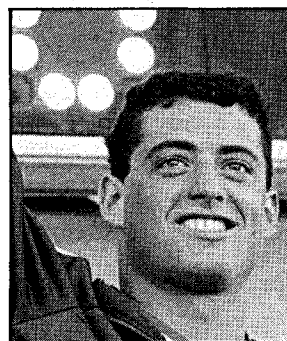
Sean Killion: I think you can swim fast everyday if you train the right way. Last year I only shaved once and did poorly at NCAAs. This year we're going to shave three times: for the U.S.

Open, NCAAs and Trials. Swimming fast only builds confidence and gets you ready to swim even faster. You should be able to swim fast at dual meets too. That doesn't mean rest for them or take a taper for a dual meet. It just means training to where you are not tired. You just have to be smart with your training.



Janet Evans: I think a distance swimmer can be fast about three times (in a year). Last year I did best times at the U.S. Open, Nationals and then long course nationals. For CIF I didn't

taper and shave. I did rest a little bit for them and did pretty well. I really think it depends on how hard a person works between tapers.



Matt Biondi: With the exception of maybe the sprint events, (you can't swim fast too often). You can't have a meet more than three times a year, just because of the way we train. You have the

mountain, the pyramid, where you go up to the peak, the top, and come down and taper and shave. You have to get broken down to swim fast. I could probably swim the 50 and 100 consistently all year long, and go 49-low in the 100. But if I want to go 48, I have to do the pyramid.

Preview



(Photo by Tim Morse)

Steve Bentley set two American records this summer.

The major competition calendar is winding down for 1987. It's been a busy year with the World University Games, Pan Pacific Championships, Pan American Games and European Championships.

Only the U.S. Open remains, which will showcase many of the top Americans against some of the world's elite just before Christmas.

That gives *Swimming World* an opportunity in our November issue to focus on a few of the athletes who made swimming news this year.

✓ Associate editor Sandra Todd will feature Steve Bentley, who had an outstanding summer, setting American records twice in the 200 meter breaststroke.

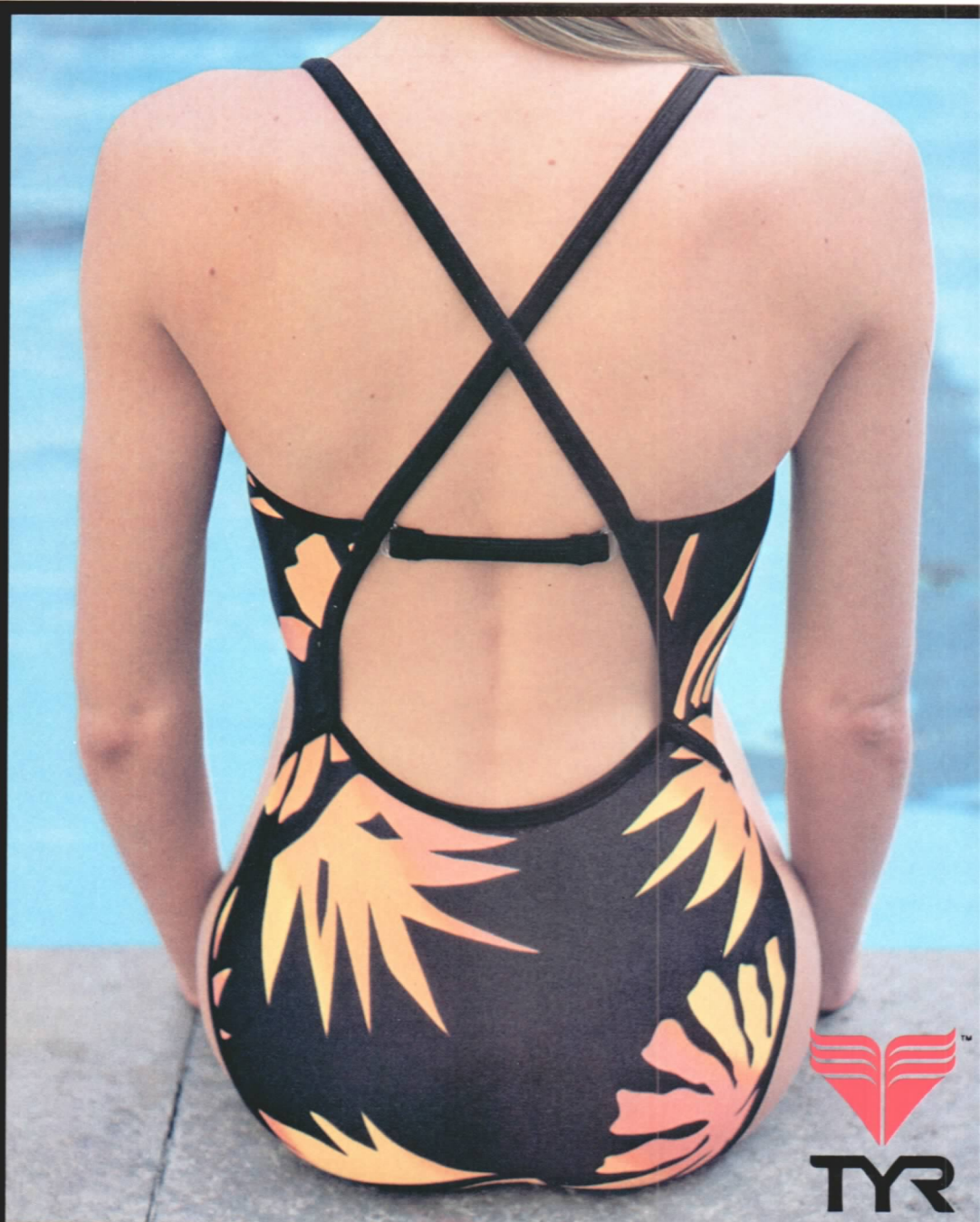
After breaking Steve Lundquist's four-year-old record at Clovis, Calif., with a 2:15.30, Bentley traveled to Brisbane, Australia, won the 200 breast at the Pan Pacific Championships and in so doing, became the first American to break 2:15 with his 2:14.99.

✓ Two other top American stars this year were Mitzi Kremer and Angel Myers. They both attended colleges in South Carolina without much of a swimming tradition. And Kremer and Myers themselves didn't have any distinctions in the sport until recently. Associate editor Russ Ewald will relate the story of how these two Southern belles burst upon the senior level swimming scene.

In November, *Swimming World* will also address the issue of alcohol and the club and college coach's role in dealing with it. A swim club in Ireland will be spotlighted. Results of the USA-USSR diving meet and synchronized swimming's FINA Cup in Cairo, Egypt, will also be published.

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