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## AND JUNIOR SWIMMER

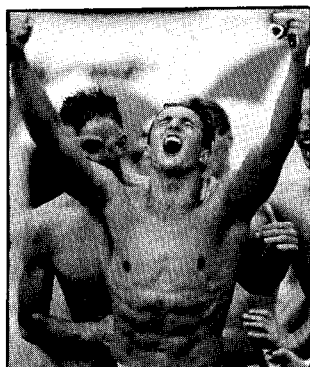
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### A FIRST FOR ITALY

Giorgio Lamberti became the first Italian male to set a world record in swimming as he, along with British swimmers Adrian Moorhouse and Nick Gillingham, highlighted action at the European Championships in Bonn.

By Mark Muckenfuss



### RECORD FEST AT JOs WEST

Between NJOs East and West, 17 new regional and national records were set, 12 of them at the West meet.

By Sandra Todd

### AMERICANS DON'T LAG

The U.S. swimming team overcame a long trip from Japan to crush the Soviet Union in their first dual since 1982.

By Russ Ewald



### SWIM AND DELIVER

Americans delivered a first-class message to the rest of the world by setting four world records in a span of 6½ hours at the Pan-Pacifics at Tokyo.

By Jeff Dimond

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### LOOKING AHEAD

*Swimming World* writers will present a variety of articles, including features on Mary Ellen Blanchard, Phillips 66 sponsorship of United States Swimming and the use of steroids among competitive swimmers.

### CREDITS

The fabulous foursome that set four world records on the same day, Aug. 20, at Tokyo were (from top left, clockwise) Janet Evans in the 800 free (8:16.22), Mike Barrowman in the 200 breast (2:12.89p), Dave Wharton in the 200 IM (2:00.11) and Tom Jager in the 50 free (22.12).

(Photos by Hiroshi Hatano)



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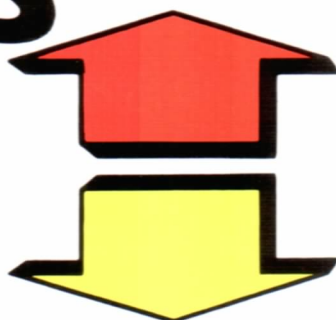


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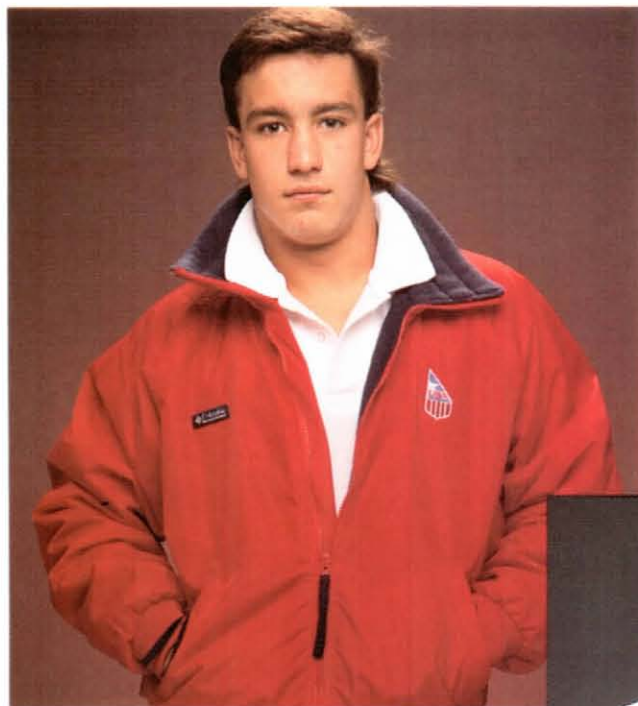
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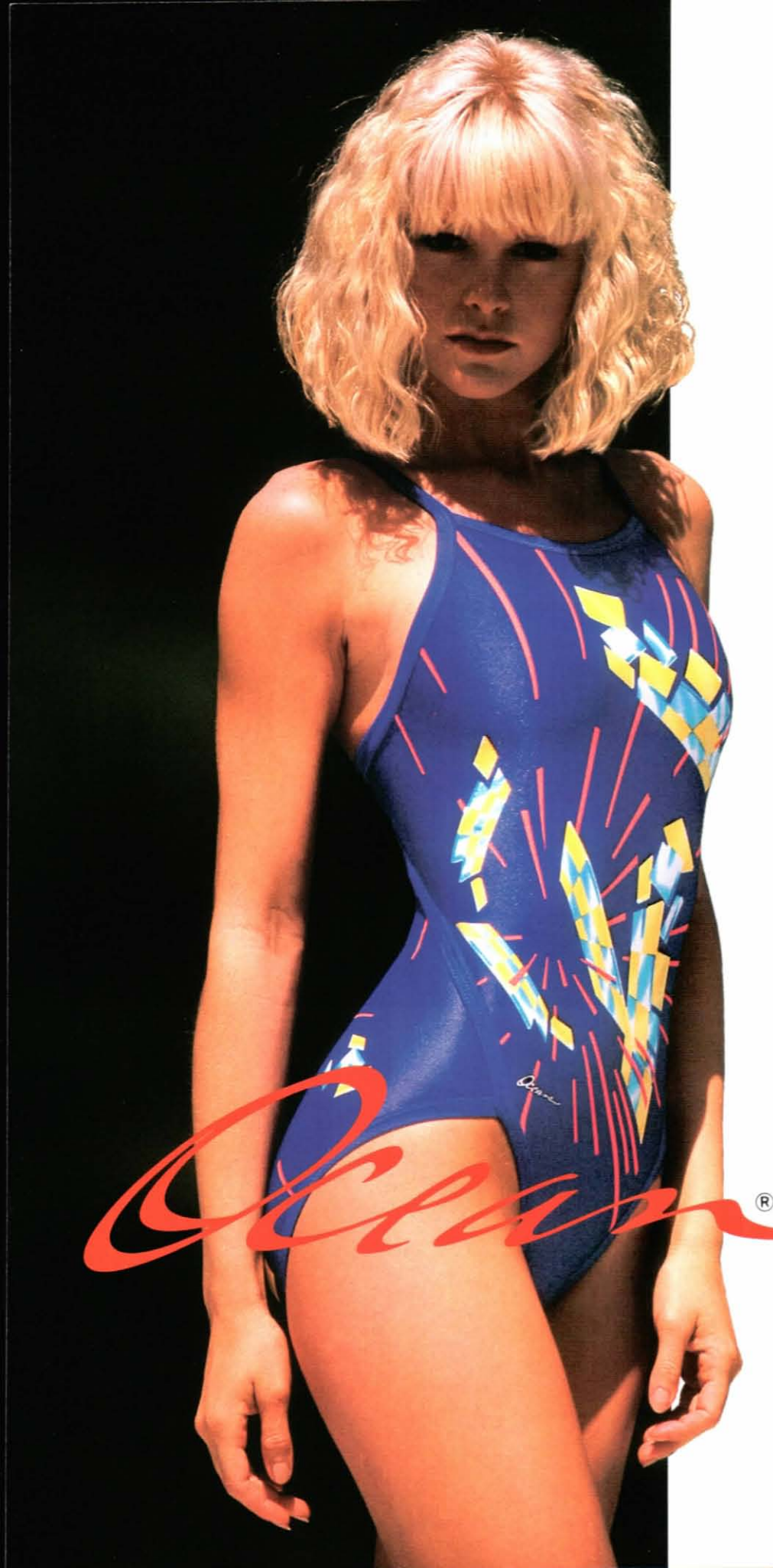


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## One Giant Stroke For U.S. Swimming

Wow! Four world records on the same day by four different swimmers! The feeling was electric. The day was tremendous. The happening was monumental for all of us in U.S. Swimming.



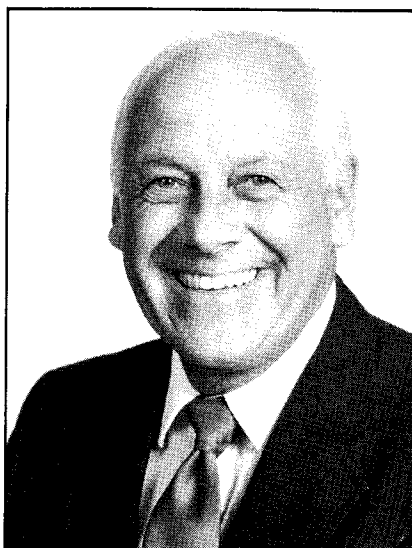
In one 10-hour period, U.S. Swimming made a strong statement to the rest of the world. We still swim fast in this country. We still can produce great swimmers. We still can produce the best in the world. We have not lost the touch. Our program still survives and is healthy.

I wish every swimming enthusiast in the world could have been in the stands on August 20th in Tokyo. There has not been such a swimming day for the United States since Aug. 6, 1983, when Rick Carey, Steve Lundquist and Matt Gribble combined for four world records. Certainly, I wish every U.S. Swimming coach and every registered swimmer in this country could have felt and seen the electricity, the expectancy and thrill to each swim on that day. If success breeds success, we are in for a fantastic build-up for Barcelona.

I was privileged to be with the team in Tokyo. We followed the results each day from the European Championships. We knew that they had established three world records and that they were having a very good meet in Bonn, Germany. The quality of swimming and numbers of good swims were impressive.

We were also having a good meet at the Pan Pacific Championships with outstanding quality in many events and many swimmers swimming lifetime best performances. We had several world-class performances in our meet, but we just did not explode until the last day.

What led up to this day and what caused this outbreak of great swims is worth contemplating. Of course it all started with the athletes themselves and their basic desire and commitment. It started with their attitude and belief in themselves and



**Phill Hansel**

their ability. It started with their training and coaching at home, long before qualifying to swim in Tokyo. Years of preparation and dedication went into the final assault on the world record. Years of planning and providing programs and competition for each of these athletes on the part of U.S. Swimming, high schools, colleges, etc., went into the development of each of these record holders.

In a sense, all of us connected with U.S. Swimming had a part in providing the opportunity for each of these record swimmers. We can all be proud in a positive way that we helped. If you held a stopwatch or judged a finish at the smallest meet, you did your part. If you but registered for U.S. Swimming and paid your fees, you did your part. If you are a sponsor or donor, you did your part. No matter how insignificant you may feel your role or how removed from these four world record holders you may be, rest assured you helped in their accomplishments.

Another very important contributor to the "World Record Day" was the spirit and support that was building within this team from the day they were chosen in Los Angeles. These kids had a fantastic training camp; they learned to work together,



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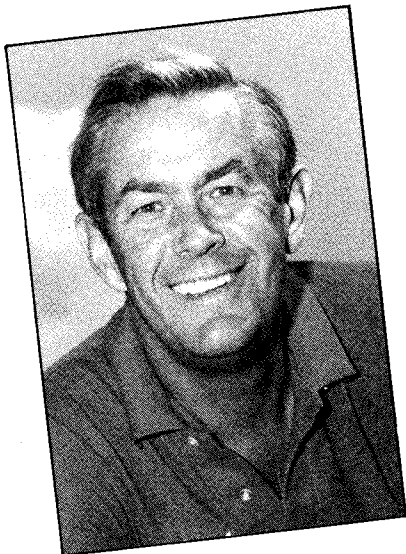
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**BUTTERFLY**—Race footage of the top stars, World Record Holder Mary T. Meagher and Pablo Morales, with an analysis of their particular kick and stroke techniques. Gambriel and Lundquist review their performances, give tips on body position, water entry, drills and dryland exercises.

**BACKSTROKE**—Coach Gambriel and Rowdy Gaines discuss everything from getting started in the stroke to refinement of techniques at the Olympic level. Film clips of Dave Wilson, Rick Carey and other Olympic backstroke swimmers and slow-motion analysis of the skills they utilize for backstroke sprint and distance events.

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## Perspective

travel together, play together.

There were not empty, hollow cheers, but, rather, sincere, caring, supportive yells. These kids responded to the leadership provided. We all pulled together. These kids just got tougher each day. One could see them growing and maturing as a team. Yes, we had four individuals set world records, but it was a team effort. We all helped out.

Proof of a changing attitude was again established when this same team was asked to fly from Tokyo to Atlanta on the 21st of August to swim a dual meet against the USSR starting on Aug. 24th. Just two days rest and jet lag was a real test.

The record again shows that these kids swam with pride and dignity and turned in many world-class swims. In most cases, they swam about as well as they did in Los Angeles, representing themselves and all of us in a first-class manner. We can all be proud.

This is an off-Olympic year, and past history has been that performance levels are expected to be slower. Not so this year. Between the two major championships, seven world records in one week. It certainly is a strong indicator that all of the swimming world is focusing on Barcelona with great determination. There can be no off years in the future. All of our planning and resources must continue to focus on 1992.

For the individual swimmers, the message is clear. Halfway efforts won't get the job done. Thinking about getting serious next year will not get the job done. Going on a trip to have a blast is not going to get the gold medal. Partying and dissipation will not get the job done.

This present season is as important as the spring of 1992. Now is the time to put in that extra effort, build the extra strength and endurance. Now is the time to build the strongest foundation possible. Now is the time to build the best possible base for your performance in 1992.

Yes, U.S. Swimming has taken one giant stroke toward credibility. But we must realize that this is just one stroke and many more must be taken to finish the race. This is only the beginning. ☐



## Backstroke Recommendation Offered

### The Technical Swimming Committee

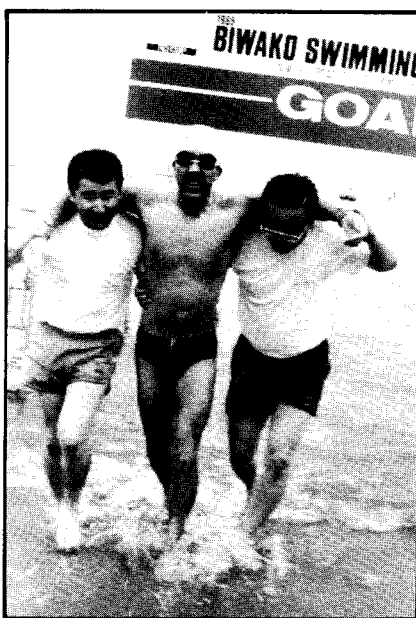
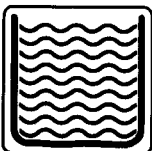
of FINA, the international governing body of swimming, has recommended to the Bureau that the 10 meter limit for underwater dolphin kick on the backstroke be extended to 25 meters off of the start and turns.

The Bureau will usually approve the recommendations given by the TSC; however, this item will not be reviewed until January of 1991, when the Bureau meets in Perth, Australia, at the World Championships. Until then, the 10-meter rule will hold.

U.S. Swimming has recommended that in looking ahead to the 1992 Olympics in Barcelona, it would be in American swimmers' and coaches' best interests to continue to identify and develop the underwater kicking skill. Until the rule is changed, however, backstrokers must try to be equally effective and competitive with the traditional surface style. During this period, only performances conforming to the 10-meter rule will be eligible for selection to U.S. national teams for international competition.

**In organizing the national team camps**, U.S. Swimming has made a concerted effort to minimize the disruption of the swimmers' academic and training programs. Details of the four-day camps are: National Team Camp—assembly, Thurs. evening, Oct. 20; departure, Tues. morning, Oct. 24; location, Northwestern University, Evanston, Ill. National "B" Team Camp—assembly, Thurs. evening, Oct. 27; departure, Tues. morning, Oct. 31; location, University of Kentucky-Lexington. National Junior Team Camp—assembly, Sat. morning, Nov. 18; departure, Wed. evening, Nov. 22; location, U.S. Olympic Training Center, Colorado Springs, Colo.

**The University of Arizona men's swimming program** was reprimanded



**Steven Munatones**

and handed one year's probation July 17 for violations by its former coach, Dick Jochums, which included entering an ineligible swimmer in competition under an assumed name, according to a report in an August issue of the *NCAA News*.

The action was announced by Pacific-10 Conference Commissioner Thomas C. Hansen.

Jochums resigned December 16 from Arizona and from any involvement with swimming following revelations that he swam an ineligible athlete at the National Dual Meet Championships the first week in December.

Hansen praised the school for its action in the case, saying, "The case could have been far more serious except for the swift, corrective actions taken by the university."

**Steven Munatones, 27**, a teacher of English and foreign affairs at Kokusai-Joho High School in Shiga, Japan, and who also is the "Long Distance Swimming" columnist for *Swimming World*, on August 6 became the first person ever to cross Lake Biwa, the largest lake in Japan.

Munatones completed the 27-mile

swim in 10 hours, 36 minutes. The swim took longer than expected due to the effects of an oncoming typhoon; however, the rain, high winds and heavy surface chop did not deter Munatones from maintaining his 80-84 strokes per minute pace.

RD Engineering, the primary sponsor of the swim, is now planning to stage a race along the same course in August 1990. Munatones' swim and the 1990 race helps call attention to RD Engineering's efforts to clean and maintain the pristine beauty of Lake Biwa.

Marathon swimmers interested in participating in the 1990 race should contact Steven Munatones, c/o RD Engineering, at 36 Ono, Ritto, Shiga, Japan, 520-30, 0775-54-0600.

**Four-time Olympic gold medalist**, Greg Louganis, recently gave \$2,000 to the Makos Aquatic Foundation in support of the divers at the Mission Bay Aquatic Training Center in Boca Raton, Fla. The Foundation is a tax-exempt organization with the sole purpose of raising training and travel money for the approximated 500 athletes at Mission Bay.

A former Mission Bay diver himself, Louganis donated the money to help offset the costs of travel and training for divers whose families cannot afford to send them to competitions.

**Stan Hooley on August 23** was named the Executive Director of the Amateur Athletic Union of the United States (AAU) effective Sept. 1. Hooley, 31, previously served as the AAU Associate Executive Director and AAU Director of Sports Programs. He replaces J. William Kleindorfer, who served as the AAU Executive Director since 1987.

Additionally, Jerry Duhamell has replaced Hooley as the AAU Director of Sports Programs; Ray Moringo was named the AAU Director of Association Services; and Don Shannon was named AAU Director of Administrative Services. ►

**Elizabeth M. Primrose**, former associate vice president of the Los Angeles Olympic Organizing Committee, has been named president and executive director of the U.S. Olympic Festival '91 in Los Angeles, according to an announcement by Harry L. Usher, chairman of the Festival's Board of Directors.

The Olympic Festival, which will be held July 12-21, 1991, will be the largest sporting event in Los Angeles since the 1984 Olympic Games. More than 3,500 amateur athletes from all over the United States will compete in 36 different sporting events at venues throughout L.A.

Primrose became president August 1, taking a leave of absence from her position as manager of external relations for the L.A. office of McKinsey and Company, Inc., an international management consulting firm. She is the first woman to serve as chief operating officer of an Olympic Festival.

**The Women's Sports Foundation** (WSF) and Secret Deodorant annually offer a boost to 10 aspiring athletes showing the potential of a future champion through the "Secret Up & Coming Athlete Awards." Eighty different sports are divided into 10 categories such as "artistic" or "endurance" so that one athlete from each group of sports with similar attributes is recognized.

The athletes receive not only deserved recognition for their efforts and achievements, but also receive a cash stipend from the Secret Up & Coming Athletes Fund toward their training and competition costs.

Winning in the "challenged" category is Julie Wallace, 25, a swimmer and skier from Winter Park, Colo. Wallace, who is fighting leukemia, lost her eyesight two years ago due to a cancer-related stroke. Only a year later, Wallace qualified for the U.S. National Long Course Swimming Championships, competing against sighted swimmers. Wallace won two gold medals in the 1989 U.S. Association for Blind Athletes Alpine Championships and nine golds at the USABA Summer Nationals, setting five records.

**Richard Bader**, head coach of the

Indian River Community College national championship swimming and diving teams for the past three years, is the new head coach of the men's swimming program at Michigan State University.

At IRCC, Bader, 30, coached his teams to 21 national records and produced 32 individual national champions in various events.

*The Olympic Festival (July 12-21, 1991) will be the largest sporting event in Los Angeles since the 1984 Olympic Games, involving more than 3,500 athletes.*

**Other recent coaching changes . . .**

**Al Holliday** stepped down as men's coach at Central Connecticut State to become assistant men's and women's swimming coach and assistant coach at Colby. Holliday was promoted from assistant swimming coach at Central Connecticut prior to last season. . . . **Mike Nye** resigned after four years at Case Reserve, where he coached a two-time Division III champ and four All-Americans. Nye, who also has been an assistant at Bowling Green, accepted a position with a securities firm in Columbus, Ohio. . . . **Diane Dudeck Maddox** resigned after three seasons as men's and women's diving coach at Arkansas to accompany her husband to a new home in Florida. Maddox was a five-time All-America diver at Michigan and Arkansas before coaching several other Razorback All-Americans. . . . **Brian Sharar** appointed at Western Illinois after two years as an assistant at North Carolina. The former Ball State swimmer replaces **Preston Hobbie**, who stepped down after four years.

**John Christie** was named the new men's and women's coach for California State University, San Bernardino. He formerly was an assistant for one year at The College of William and Mary in Williamsburg, Va. and for three years at the University of Kansas. Christie replaces **Bruce**

**Brown**. . . **Bill Duncan** appointed men's and women's coach at Centre, his alma mater, where he also will hold the title of aquatics director. He previously coached national-caliber junior swimmers at Mission Viejo. . . . **Michelle Ennis** has been appointed at Oberlin, where she also will coach women's tennis.

**Lance Cansdale**, a 20-time All-American and key member of Simon Fraser BC's 1983 championship team, has been named head coach at his alma mater, replacing **Sue Melody**, who resigned to accept a coaching position in Japan. . . . **Mary Bolich** was named at Penn State after a year on the staff at California. Bolich is a former head coach at Temple, where she also was a swimmer for three years, and she also has been an aide at Pittsburgh. She replaces **Bruce Bronsdon**, who was named aquatics director at Carnegie-Mellon. . . . **Rhonda Faunce** has been given duties as the aquatics director at Elmira, where she continues to serve as women's softball and volleyball coach and intramurals director.

**James C. Christy, Jr.**, a swimmer at Michigan during the 1930s who won a bronze medal in the 1500 freestyle at the 1932 Summer Olympics, died June 7 in Kalamazoo, Mich., at the age of 76. Christy was a successful businessman and was active in civic affairs and politics.

**Correction:** Little Rock's Matt Twillie was listed in the July issue of *Swimming World* (page 57) as a high school graduate who would attend Arkansas this fall as a freshman. Twillie will not attend Arkansas, nor any college this fall, as he does not graduate from high school until 1990.

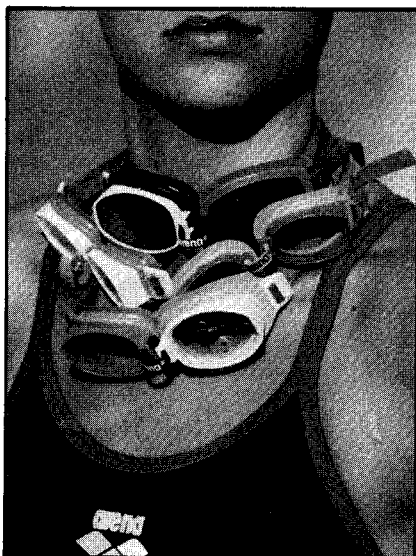
The results submitted to *Swimming World* for the 1989 YWCA Junior and Senior Swimming Championships (July 1989, page 64) were not representative of the final heat in each event, rather, the top eight times—regardless if swum in the prelims or finals—were compiled and sent in by the meet organizers. *Swimming World* regrets any confusion which may have occurred. □



# Swim Biz News

*Editor's Note: "Swim Biz News" will feature new product announcements, business success stories, personnel appointments, how to obtain catalogs and general news items of interest to individuals involved in competitive aquatics.*

*Send all items to "Swim Biz News," Swimming World, 116 W. Hazel St., Inglewood, CA 90302.*



## Swoggles

Watch out! **Swoggles** will be hitting your neighborhood soon! You can't miss them. Check out the trendiest pools and beaches for evidence of swoggling. Easily recognizable due to high visibility coloring and "I'm in the Fast Lane" attitude.

Manufactured by Arena U.S.A., Swoggles do all the things swim goggles should do: anti-fog, ultraviolet protection, and a lot more. Interchangeable parts in neon colors make it possible to mix and match. The whole concept is mind swoggling.

For information, contact the Arena dealer in your area, or write Arena U.S.A., 28 Engelhard Drive, Cranbury, NJ 08512.

NOTE: Swimming World magazine's Swim Biz News is a reader service and does not constitute an endorsement of products, manufacturers or distributors herein. Addresses and telephone numbers provided to Swimming World are included for readers seeking further information.

## Colorado Time Systems' Swimming IV

Colorado Time Systems introduces a new standard in computerized timing and scoring systems. **System IV**, a fourth-generation timer, is loaded with advanced features and simplicity of operation.

Swimming IV is the first complete hardware/software package available at an affordable price. An expanded race memory enables the system to store prelims and finals for an entire day's results—the first total "Meet Memory" ever offered.

Interfacing to a full-size printer replaces the old-fashioned strip printer and provides maximum printing flexibility. Now entire meet results can be printed in conjunction with "Meet Memory." The console contains a large LCD window giving a constant status readout for all lanes, allowing the operator to monitor full race activity at a glance.



The system operates on "D" cell battery power and includes automatic backup battery. A new compact design for portability enhances Swimming IV's design.

For further information, call Colorado Time Systems, (303) 667-1000, or write P.O. Box 1898, Loveland, CO 80539-1898.

## Waterwear Expands

Waterwear is pleased to announce that continued growth has prompted a move to larger facilities in New Hampshire. Waterwear specializes



in Lycra racing suits, made in traditional team colors, printed with the team's name and/or logo.

- Quality fabrics in many colors and designs are heavily inventoried to assure that your team's suit will be available for many years after the initial order.

- Sizing suits are provided free of charge, with the size boldly printed on the outside, to help insure that each swimmer orders the proper size.

- Female suits may be ordered with or without lining, at the individual swimmer's discretion, another indication of a commitment to personal service.

Almost all team orders are shipped within 10 days, and no suit is ever backordered. Additional suits are available any time during the season, with no minimums and at the same low team price.

The key to this combination of high quality, quick delivery and personalized service is a unique, entirely new production system installed in the new plant. Each operator has been equipped with a variety of the latest sewing machines, enabling the operator to make the entire suit, start-to-finish, without it ever changing hands.

For further information on products, the 10-day delivery policy, or for a copy of the new catalog, contact Waterwear at Riverview Mill, P.O. Box 687, Wilton, NH 03086, or call 1-800-321-SUIT; in New Hampshire, (603) 654-6855. □



# U.S. Swimming

## Report To The House Of Delegates

Portland, Oregon  
September 1989

I've just discovered that generation gaps really exist! How many of you remember *not* having a television set or have *never* written with a fountain pen? Do you remember women's dorm hours in college? And how many of you remember mixing yellow coloring into white margarine to make it look like butter?

I thought these insignificant memories a bit humorous, until I realized that it meant I'm getting older.

There is a generation gap in United States Swimming, too. How many of you were at Snowbird in 1979 or '80? We've come a long way and we must consider where we were in determining where we want to go; a sense of history never hurts. Perhaps we won't make the same mistake twice!

When we were a committee of the AAU, do you remember... wait a minute; how many of you know that we were the Competitive Swimming Committee of the AAU until 1978?

Anyway, do you remember when:

- there was only athlete membership, no non-athlete nor coach membership?

- *Swimming News* had a hand-drawn *New York Times* banner? It was the only AAU committee newsletter!

- *Swimming World* was published in New Haven, Conn.?

- there was no swimming insurance coverage?

- dues were \$2?

- there were no major pools in Austin, Orlando, Indianapolis, Gainesville, Cambridge, Buffalo,

Direct all questions to:  
**U.S. Swimming**  
**National Headquarters**  
1750 E. Boulder St.  
Colorado Springs,  
CO 80909  
(719) 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.

Oklahoma City, Fayetteville, Tuscaloosa, Mission Viejo (and lots of other places)?

- there were very few coaches on any AAU committees?

- athletes couldn't earn any swimming-related money—no how, no way? But we could lifeguard.

- there was no athlete representation in any way, shape or form in the administration of swimming?

- we were on television once a year?

- we swam in Broad Ripple, the Colosseum, Fleishhacker, Kelly, Waterworks, Crystal Plunge and Brennan pools?

- there was no Phillips Petroleum sponsorship?

And do you remember the following?

- the 220 and 440 freestyle with a flag finish?

- men's and women's separate rules committees?

- the Women's International?

- dues increase proposal of 50 cents, defeated in Snowbird?

- only two days of swimming meetings at AAU conventions?

The list is too long to continue, but it shows the history and progress, changes and growth of U.S. Swimming. We haven't been stand-

ing still.

Some issues have gone away or have been resolved, while some have remained:

- improving communication with in all segments of our organization;
- volunteerism as the administrative and financial foundation of our sport;

- age group swimming as the technical foundation of our sport;

- trying to improve in all areas;

- the lay community and the coaching community working cooperatively within U.S. Swimming.

As I review other annual reports I have made to this body, I see these issues—in one form or another—mentioned in every report and present in every convention agenda. As long as U.S.S. exists, I think these will continue to be major issues demanding our attention.

My, how we've grown! And in this growth is a new sophistication in analyzing our needs. We have more members than ever before, we have more programs and services for our membership than ever before, and we are aware of the make-up of U.S. Swimming's population in a much more sophisticated way.

The budget has grown in response to these needs and, while our dues have increased and we pay more for insurance, we are still not out of line when compared to similar non-profit or amateur sports organizations. Talk to your friends with kids in figure skating, gymnastics, tennis, hockey and equestrian events.

What about the future? I don't mean next year or even 1992—try 2010. We already know that the executive director will be pleading for better communication and increasing volunteer activity. But what will be radically different?

Here is what I see in my crystal ball:

- a staffed office in every LSC, subsidized by U.S. Swimming;

- clubs and LSCs providing transportation from school/pool/home for

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



afterschool practice for children of two-income families;

- instantaneous computer transmission of meet results with a weekly listing of top 10 times;

- the United States planning to host the World Swimming Championships;

- federal financial assistance for amateur sports;

- athletes being financially supported by United States Swimming during their training;

- U.S. Swimming providing college scholarships to swimmers;

- coaches being awarded academic credit by U.S.S. after attending a subsidized, one-year, college-style program;

- each club being serviced by a U.S. Swimming sports scientist with immediate access to necessary data;

- centralized entry into the national championships by computer;

- major indoor Olympic-style pools in New York, Chicago, Dallas, Philadelphia, Los Angeles, Phoenix, San Diego and other major markets;

- an amateur swimming league between cities;

- U.S. Swimming conducting the NCAA and various state high school championships;

- United States Swimming sponsoring a major resident camp program in the summer;

- a 45-second 100 meter freestyle men's world record;

- a 400 meter freestyle women's world record of 3:50;

- the Olympic aquatic events in a city of their own.

There are many other ideas that might be pursued; nothing is too far out. I don't think these are too wild, and some of them are within our reach. Why not let your mind free to think about the future?

This is not a typical annual Executive Director's report to a House of Delegates, but I hope it shows, in a little different way, where we've been and where we might be

heading.

I hope you will look into your own crystal ball and try to envision where the future may take us.

—By Ray Essick

## Swimmers Named To National Teams

Forty-three swimmers were named to the U.S. Swimming National "A" Team and another 37 were named to the National "B" Team following the summer competitions.

The "A" team is made up of swimmers whose times rank them among the top eight in the world in their events, and the "B" team is made up of swimmers ranked between ninth and 16th in the world.

The "A" team consists of 25 men and 18 women, with 13 men and only six women who are veterans of the '88 Olympic team. The "B" team has 19 men and 18 women; one man and two women are '88 Olympians.

### NATIONAL "A" TEAM

#### Women

Mary Ellen Blanchard	200 breast, 200 IM
Janet Evans	400-800 free, 200-400 IM
Leigh Ann Fetter	50 free
Julia Gorman	100-200 fly, 200 IM
Nicole Haislett	100 free
Andrea Hayes	400 free
Jenna Johnson	100 fly
Julie Kole	1500 free
Mitzi Kremer	200 free
Kristin Linehan	200 back
Lea Loveless	100 back
Tracey McFarlane	100 breast
Barb Metz	1500 free
Pam Minthorn	100-200 fly
Betsy Mitchell	100 back
Summer Sanders	200 fly, 200 IM
Jane Skillman	400 free
Jenny Thompson	50-100 free

#### Men

Mike Barrowman	200 breast
Matt Blondi	50 free
Steve Crocker	50 free
Geoff Cronin	100 back
Mark Dean	400 IM
Nelson Diebel	200 breast
Doug Gjertsen	100-200 free
Mark Henderson	100 fly

Tom Jager	50-100 free
Scot Johnson	100 back
Dan Jorgensen	400-800 free
Lars Jorgensen	1500 free
Ron Karnaugh	200 IM
Wade King	100 fly
Richard Korhammer	100 breast
Brent Lang	50-100 free
Eric Namesnik	400 IM
Bart Pippinger	200 fly
Jeff Rouse	100 back
Rich Schroeder	100 breast
Melvin Stewart	200 fly
Kirk Stackle	200 breast
Dan Veatch	200 back
Dave Wharton	200 fly, 200-400 IM
Eric Wunderlich	200 breast

### NATIONAL B TEAM

#### Women

Katy Arris	400 IM
Beth Barr	200 back
Allison Bock	50 free
Mitzi Braswell	1500 free
Suzy Buckovich	100 fly
Stacy Cassidy	800 free
Julie Cooper	100 free
Tori DeSilva	100 breast
Michelle Griglione	200 fly, 200-400 IM
Lori Helsick	100 breast
Lori Holmes	100 fly
Janel Jorgensen	100 fly
Karen Kraemer	400 IM
Molly Magill	1500 free
Anne Mahoney	100 back
Francie O'Leary	200 free
Amy Shaw	200-400 IM
Janie Wagstaff	100 back

#### Men

Brad Askins	200 back
Doug Boyd	50 free
Ray Carey	200 fly
Andy Gill	100 back
Jim Harvey	100 fly
Alex Kostich	800 free, 400 IM
Ray Looze	400 IM
John Miranda	100 free
Jeff Olsen	400 free
Jon Olsen	100-200 free
Todd Pace	50 free
Jeff Prior	200 IM
Sean Quackenbush	100 fly
Royce Sharp	200 back
Bill Stapleton	200 IM
Eric Topp	200 fly
Derek Weatherford	200 back
Adam Werth	200 free
John Witchel	200-400 free

The FINA International Officials Seminar will be held May 18-21, 1990, at the Olympic Training Center in Colorado Springs. Invitations to the seminar will be issued through FINA.

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# 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, type-written (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.*

**RAYMOND CAREY**  
**Bernal's Gator Swim Club**  
**Cambridge, Massachusetts**

When Ray Carey was 15, he took seventh place in the 200 fly at the national junior Olympics meet for the Eastern region of the country. His time was a 2:05.69 and ranked him seventh overall for his age group in the event.

Ray turned 16 in June and has shown what a difference one year can make. At Phillips 66/USS Long Course Nationals in August, he knocked off over five seconds from his NJO time from last year (2:00.25) and took fourth place for his highest-ever senior national finish.

His time also sheared nearly two seconds off of Chas Morton's national age group record, giving Carey the fastest time ever recorded by a 15-16 swimmer in the event.

A junior at St. John's Preparatory School, Ray is not only an achiever in swimming, he maintains a 93 percent average academically. He also makes time to enjoy long bike rides, waterskiing and sledding. He teaches CCD to third graders at his parish and is involved in the Liturgy Committee at his school.

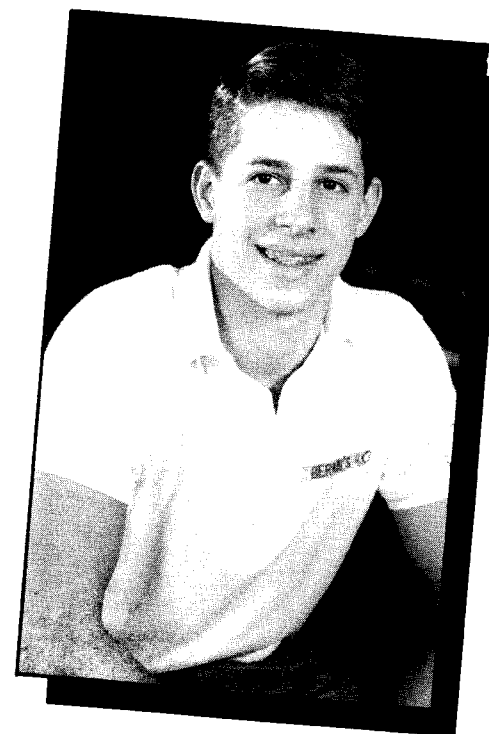
Eventually, Ray would like to attend Harvard University and participate in the NCAA Division I Championships. His ultimate goal is to follow in the footsteps of former teammate and Olympian Dave Berkoff.

Ray will be 19 when the 1992 Olympics in Barcelona unfold. We'll

wait to see how much more this young talent can improve in three years.

**JENNIFER ABBEY**  
**Glendale YMCA Swim Team**  
**Glendale, California**

Ten-year-old Jennifer Abbey is as versatile on the ballfield as she is in the water. A swimmers with events spanning the freestyles to the IMs,



**Ray Carey**

Jennifer also plays a number of different positions on the local Youth House League softball team in her hometown of La Canada.

At age 7, two years after joining a country club swim team, Jennifer advanced her swimming activities by becoming a member of the year-round program at the Glendale YMCA. She has excelled considerably under her age group coach, George Young.

Jennifer has numerous Southern California YMCA Championship League titles to her credit. This past YMCA short course season, she topped the national YMCA field in her age group for the 100 free with a time of 59.76. She also was listed in the National Age Group YMCA Top 16 in the following events: 50 free (28.32), 100 IM (1:10.61) and 50 back (33.13).

Over the past long course season, Jennifer continued to collect accolades in her age group. At the 1989 Younger JOs meet held at Industry Hills, she won four events and achieved U.S. Swimming national reportable times in each the 100 breast (1:28.89), 200 free (2:25.55), 100 back (1:19.36) and 200 IM (2:44.13). These swims also qualified

Jennifer as a member of the Southern California Swimming Western Zone team.

Her coach applauds her work habits and natural talent and adds that with the correct guidance, Jennifer will progress greatly throughout her swimming career.

## **DANNY ISELIN** **South Eastern Aquatics** **Racine, Wisconsin**

When 10-year-old Danny Iselin first joined South Eastern Aquatics the summer of 1988, he hadn't the faintest idea of what an age group time standard was. He wasn't in the dark for too long, however. Belonging to a YMCA and USS sanctioned swim club gave Danny something new to strive for—double-, triple- and quadruple-A times.

After a successful summer and fall season, Danny's mother found a paper taped to his mirror that thanked God for all his achievements and that listed his goals for 1989. Since he wanted to share the excitement of going to the state meet with his teammates, his top goal was that their medley and free relays qualify for State at sectionals.

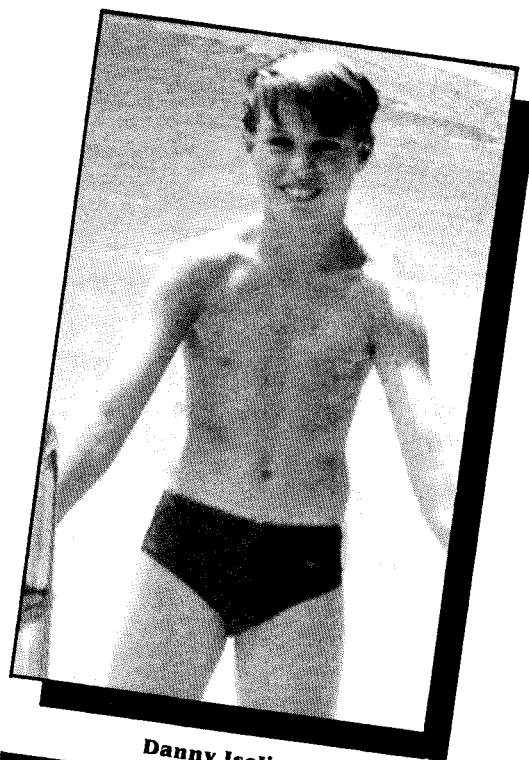
Next on the list was to reach quad-A times in his breaststroke, fly and IM events. In addition, he added to his list that once at the YMCA state championship meet, he wanted to lower those same times again.

Early in the season, Danny qualified to represent the Wisconsin team for Zones by swimming triple-A times in his 50 and 100 breaststrokes. He also was named to the Top 10 Wisconsin Swimming Honor Roll. Next came the Badger State Games where he won golds in his breast and fly events and a bronze in the IM.

Once at the Junior Olympics, Danny promptly collected golds in the 50 and 100 breaststrokes, a silver in the 50 fly and bronzes in the 100 IM and 100 fly. The goal of his relays making YMCA cuts came true.

Seeded third in both relays, the South Eastern Aquatics quartet went on to win the 200 medley (2:16.81) and take the silver in the 200 free (2:05.79).

Fired up by the realization of his top goals, Danny dominated the Y



**Danny Iselin**

state 9-10 boys competition by winning all his events and setting three new records: 50 fly (30.42), 50 breast (34.35) and 100 IM (1:10.47).

He finished his 9-10 years with those three records, nine club marks, triple-A times in his back and free, and quad-A times in his 50 and 100 breaststrokes, 50 and 100 flies and his 100 IM.

An honors student who likes to waterski, play soccer and kneeboard, Danny will attend Gilmore as a 6th grader this fall.

## **HEATHER HAIRFIELD** **Rappahannock Area YMCA** **Stingrays** **Fredericksburg, Virginia**

Not even a cast on her arm could prevent Heather Hairfield from getting in the water during the early part of the summer season. She opted to use a kickboard in practice rather than not swim at all while her right elbow healed from a joint irritation that is common to backstrokers.

A swimmer who was pretty much anonymous in the 10 and under national age group rankings, Heather burst suddenly onto the scene and ▶



**Jennifer Abbey**



**Heather Hairfield**

into the rankings when she was 12, says her coach at the Rappahannock Area Y "Rays," Peter Maloney.

"She really wasn't that outstanding as a 10 and under, but she worked hard and suddenly shot off and surprised everyone," he said. "She made some tremendous drops and came up to dominate a couple of events in the state."

During the 1988-89 short course season, she made her first top 16 showing, with a 29.05 in the 50 back, good for seventh place in the nation. She also made a national reportable time in the 100 back (1:03.53), which earned her 22nd place on the national rankings list. She swam both times at the Eastern Zones last March at Yale University. Her 100 back time also qualified her for the 1989 YMCA Nationals in Orlando, Fla.

The same day she returned from the Yale meet, she swam at a local time trial meet and made her cut in the 200 back for Y Nationals, giving her a second event for the meet. At 12, she was the youngest Stingray to make the trip to Orlando.

The problem with Heather's elbow flared up even before the Eastern Zone meet, where she had to wear

an arm clip to keep the nerve that had been popping out of her elbow joint in place. When she got to Orlando, however, the clip was not enough. As a result, Heather was swimming with some pain during her races. Upon return from Y Nationals, she was advised to have her arm casted to isolate the offending joint.

Although the problem still persists, Heather has the cast off and is back in the water. Maloney says he is impressed by the fact that Heather is improving her other strokes and becoming a well-rounded swimmer.

"I think she has got potential to really go a long way," he said. "She's got a good shot at juniors. She hasn't really made the jump yet from age group swimming, but when she's ready to turn it on, I think she is capable of doing anything she wants."

## **ELIZABETH "JANIE" WAGSTAFF**

**Kansas City Blazers  
Shawnee Mission, Kansas**

Last year Janie Wagstaff qualified for the Olympic trials in the 100 back and finished 37th with a time (1:05.44) close to her then-personal best.

One year later, at the Phillips 66/USS Long Course National Championships in Los Angeles, Janie took ninth overall in the 100 back, winning the consolation heat with a 1:03.32. Had she qualified for finals in the event, her time would have placed her in a tie for third overall, and potentially have earned her a berth on the Pan Pacific squad traveling to Tokyo.

Also at nationals, she took sixth in the 200 back (2:15.79), third in the consolation finals of the 200 free (2:03.51) and 28th in the 200 IM.

Two weeks before nationals, Janie, then 14, participated in the U.S. Olympic Festival in Oklahoma City, netting a silver in the 200 back (2:18.18), a bronze in the 200 free (2:05.04) and fourth place in the 100 back (1:05.53). Her individual efforts helped boost her North squad to the team title, a contest that was waged ferociously.

Wagstaff also is smart, making the academic honor roll every year and holding membership in the Beta

Honor Society as a sophomore at Shawnee Mission East High School.

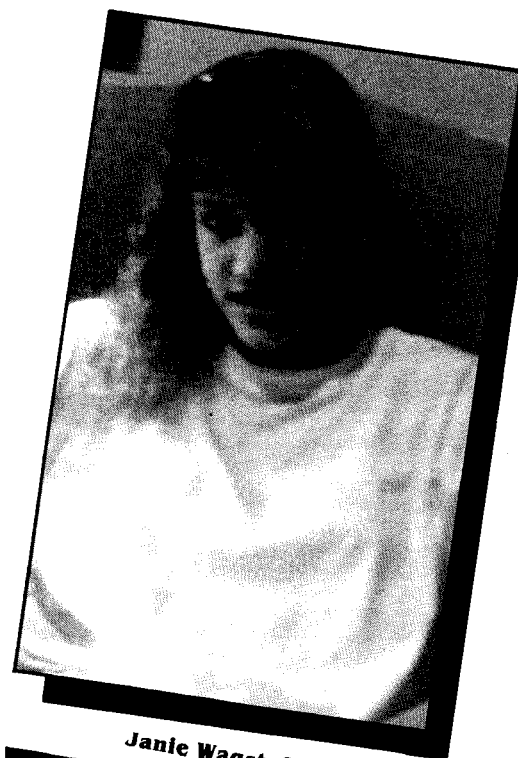
Peter Maloney, her coach at the KC Blazers, says he sees much potential in his 5-foot-10½-inch "racehorse" who has only recently begun full-time training, including weights.

"God gave her the size, the strength and the competitive spirit to work with," Maloney said. "She also has a great family unit, which will provide her the opportunity to do anything she wants."

"She has a good work ethic—she attended about 98.7 percent of workouts last year. She's been brought along progressively in our program and I see a great future for her if she can learn to get the job done every time she swims."

Before entering the realm of senior nationals, Janie was a champ at the junior national level, with titles at the long course championships in 1988 in the 100 and 200 frees. She also took the silver in the 100 back and ninth in the 200 free at that meet.

Janie's interests outside of swimming include horseback riding, tennis and sewing.



**Janie Wagstaff**



# The American Relay

## Arizona

Arizona Swimming hosted the 1989 Western Zone Championships August 16-20 at Arizona State's Mona Plummer Aquatic Complex in Tempe. This year's event drew the greatest number of competitors (1,013) in Western Zone history. New zone records were set in 57 events (36 individual and 21 relays). Leading the assault on the record books was Raymond Papa, 12, of the Southern California team. Papa broke Western Zone records in each of his six individual events and swam on three record-breaking relays. In the 50 meter free, Papa shattered the 11-12 national age group mark with a time of 25.66. Other Arizona record setters included Angie Diez, 12, who claimed three individual records; Arianna Higuera, 10, with two; and Jamie Dalsing, 15, and Mike Niblock, 17, with one each. Southern California was first in combined team scoring, followed by Pacific in second and Pacific Northwest in third. The host Arizona team finished fifth overall.

The Arizona Marlins Swim Club senior team of Phoenix took second-place honors at the Long Course 1989 State Championships. The Marlins fell 120 points short of winning the championship. Final standings: PSC (1,675), AZM (1,455), CTSC (1,356) and MESA (1,286).

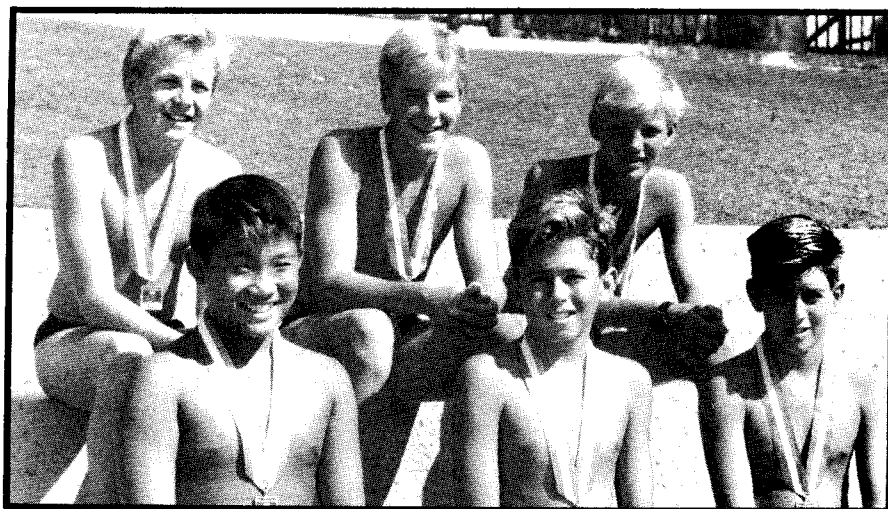
## Arkansas

Following are the results and high point winners from the 1989 Arkansas Swimming, Inc. Long Course Senior Championships, July 8-9: Team scores—Little Rock Racquet Club Dolphins (2,261); Clay-Platte YMCA Piranhas (1,926); Central Arkansas Swim Team (458); Searcy Swim Team (342); City of Alexandria Swim Team (176); Walton Life Fitness Center (130); Mountain Home Swim Team (21); Jonesboro Swim Team (19); and Hendrix Aquakids (4). High point winners—Kara Goodin

(CPYP); Tim McMullen (CPYP). Runners-up—Kim Brown (LRRC); Kenneth Rippetoe (WLFC).

## California

The Irvine Novaquatics 11-12 boys team spearheaded the attack toward the team title in this year's Southern California Long Course Junior Olympics, July 23-24 at Industry Hills. A quick 4:53.37 performance in the 400 medley relay by Andrew Lazenby, Tunch Doker, Brendon Watrous and Dawson Hughes earned the team a gold medal and one of the top national age group times this summer. Joined by Rod Novillo, Lazenby, Watrous and Hughes then teamed to turn in another gold medal swim in the 400 free relay (4:22.78). The same quartet also claimed the top place in the 200 free relay with a 1:59.75. Sammy Lee, swimming a powerful butterfly leg, assisted Lazenby, Doker and Watrous to a bronze in the 200 medley. All four times tumbled old Novaquatics team records.



*The Irvine Novaquatics 11-12 boys combined to win three golds and a bronze in relays at Calif. JOs. They are: (back row from left) Andrew Lazenby, Brendon Watrous, Dawson Hughes, (front from left) Sammy Lee, Rod Novillo, Tunch Doker.*

## Delaware

Christopher Ip, head swimming coach at the University of Delaware for the past five years, has been named the new head swimming and diving coach for Indian River Community College's (Fort Pierce, Fla.) 15-time national championship team. A former NCAA Division II All-American swimmer, Ip, 32, replaces Richard Bader, who recently left IRCC to accept a head coaching position at Michigan State University.

## Georgia

Emory University soon will have the only chlorine-free swimming pool in Georgia. Emory's water treatment system is being converted from chlorine to Tarn-Pure, a nonchemical electronic system that already is in use at the University of Texas, Austin, Louisiana State University and the University of South Carolina.

## Illinois

Matt Joganich, a swimmer from Tempe, Ariz., who attends the University of Illinois-Chicago, is among the 16 academically and athletically talented U of I scholars to be awarded Avery Brundage Scholarships for the 1989-90 academic year. The scholarships of \$1,250 each recognize exceptional academic and athletic excellence and are awarded to undergraduate and graduate students, as well as to students in any of the professional schools. Joganich is a pharmacy major and has completed his senior year on the UIC swim team. He holds the school mark in the 200 yard back.

## Indiana

Shawn Rogers, a member of the newly formed East Chicago Central Sharks and



*Spartanburg's Y-Spartaquatics (above), coached by John Vashbinder, won the National YMCA Long Course Championships, held in Cleveland, Ohio. Chad Patterson, a junior, broke national Y marks in the 1500 free, 200 back, 400 free and 200 free.*

a first-year diver, captured the gold medal in the 16-18 boys one-meter diving championship at the Indiana State Junior Olympics in Noblesville. He totaled 326.20 points for the win and then went on to add a fourth place showing in the three-meter competition with 286.25. Shawn's teammate, Darius London, also represented the Sharks well with a double-bronze medal performance in the one- and three-meter events. Darius scored 246.95 and 241.10, respectively. Congratulations on your first-year achievements!

### Kentucky

The Kentucky State Swimming Championships Aug. 4-6 showcased the talents of the state's top teams and set the stage for seven state records to fall. The top five teams were: Lakeside (4,632), Elizabethtown Dolphins (2,944), Brookhill Swim Club (2,200), Blairwood Express Swim Team (2,139), and Wildcat Aquatics (2,041). The records set were by: 9-10 girls—Kelly Tancredi (BEST), 50 breast (40.68); 11-12 boys—Chris Thomas (ETD), 50 fly (30.48); Mike Voss (BSC), 100 free (1:00.88) and 200 free (2:10.43); 13-14 boys—Eric Carter (LAK), 200 back (2:17.97); Josh Hamilton (LAK), 50 free (25.94), and Lakeside's 400 medley relay (4:26.72).



### Maryland

Montgomery College's (Tacoma Park) 400 free relay team was inadvertently omitted from the National Junior College Top 16 Teams list (August 1989, page 57). Their prelim swim of 3:15.09 would have ranked the team 14th for that event.

### Massachusetts

Coach Isabelle Fraser's Pioneer Valley Aquatic Club played host in July to the Canada Games Team from the Province of New Brunswick, Canada. The Canadian delegation and its coaches, Blair Tucker, Guy Bergeron and Diane Guinard trained at Springfield College during their week with Pioneer Valley and also competed in dual meets with Coastal Swim Club and the Wilton Wahoos.

Weston High School Coach and U.S. Naval Reserve Commander, Pete Foley, was honored by his swimmers, their parents and friends numbered 300 or more in late June for his 17 years of devotion to the city and students of Weston. Foley has led his teams to 10 Dual County League Championships, six MIAA North Regional Championships, two EMass Coed Championships and three MIAA State Championships, two of which were coed. Since 1972, his teams have tallied an impressive 222-21-1 record. It was revealed at the dinner that a scholarship henceforth would be given in his name annually to each a deserving girl and boy. The scholarship, named ICE, is an abbreviation for the basis of Foley's coaching style—Involvement, Commitment and Excellence.

### Minnesota

Although the next U.S. Olympic Festival is nearly a year away, the Twin Cities are already preparing for the largest all-sport domestic event besides the Olympics. In addition to the four indoor arenas with seating capacities of 15,000, at least two new facilities, designed with the Olympic Festival in mind, are being constructed—the University of Minnesota Swim Complex in Minneapolis and the National Sports Center in Blaine. Completion of the \$23.2 million swim complex on the old Memorial Stadium site is expected in March 1990. The 10-lane, 50-meter pool includes an integrated diving well and two warm-up pools.

### Nevada

The Las Vegas Gold Swim Team won its fourth consecutive Nevada State Championship August 12-14 in Reno. The GOLD rolled up 1,787 points to outdistance second-placing Reno Aquatic Club's 1,211. High point winners for the GOLD were Kristal Costillo (9-10 girls), Diane McGimsey (11-12 girls), David Koerner (11-12 boys), Courtney Carson (15-18 girls) and Alex Fedoror (15-18 boys).

### New York

On August 19, Kingsley, Australia, long-distance champion Shelley Taylor-Smith won her fourth title in the annual Manhattan Island Swim. Taylor-Smith, 28, the course record holder, swam the 28.5 miles around Manhattan in 7 hours, 32 minutes and 34 seconds. Second-place winner and men's champ, David Strasburg of Indianapolis, Ind., swam the course in 7:45.15. In all, 52 swimmers from the world over started the race, with 46 of them finishing. Six were pulled from the water during the swim due to hypothermia. Also of note was the performance of 14-year-old Susie Maroney from Kareela, Australia, who was the second woman to complete the race and the fourth overall in 7:52.13.

### North Carolina

Westover Swim Club hosted the first annual Firecracker Invitational in early July. High Point Swim Club reported an overall improvement rate of 81 percent. Swimmer of the meet honors went to Stephanie Shaw, 11, and Beth Bernthal, 11, both of whom were four for five in personal records with substantial time drops. Great job!

Nathan Queen of High Point led all North Carolina individuals in Swim-a-thon collections last year. Nathan collected \$1,083 for his club. Gaston Y Swim Association led all North Carolina Swimming clubs with Swim-a-thon



revenues of \$10,401. GYSA ranked fourth among all YMCAs in the nation.

## Ohio

The top teams from The 29th Annual Wright Brothers Invitational July 7-9 and hosted by the Wright Patterson Flying Fish were: DR (1,217), WPF (901), GNY (594), SPY (581), KCST (416½), PICY (397), FAST (253½), MMST (210½). High-point winners included: 8 and under—M. Deboo (SPY) and J. Shoemaker (KCST); 9-10—J. Nickels (SPY) and A. Edsall (PICY); 11-12—N. Simpson (WPF) and J. Bell (SPY); 13-14—C. Janssen (GNY) and M. Thar (WPF); Open—F. Bruner (WPF) and T. Harker (PICY).

## Oklahoma

The top placing teams at the Phillips 66 Long Course swim meet July 15-16 in Bartlesville were: TAC (772½), P66 (535), ST (409), TSA (339), KMSC (331), WYN (166), PSST (135), RAC (133), MAC (131). High-point winners included: 10 and under—Tiffany Dudley (TSA) and Thomas Hogan (MAC); 11-12—Tracy Evans (TAC) and Matt Herrold (TAC); 13-14—Dawn Wolf (PSST) and Jack Zedlitz (KMSC); Senior—Amy McCoy (TAC) and John O'Grady (PSST).

## Pennsylvania

Six boys from Allentown YMCA recently received national recognition in the YMCA's National Top 16 Times list for posting times faster than the criteria set by the national committee for their

age group. The 9-10 boys 200 yard medley relay team of Chris Skumin, Chris Hauser, Bryan Theiss and Matt Trexler took third nationally with a time of 2:13.67. The same quartet was ranked 14th in the 200 free relay (2:02.65). Hauser was 12th in the 50 breast (36.66) while Theiss was 9th in the 100 IM (1:11.75). In the 11-12 age group, Braxton Besz was 12th with a 2:22.16 in the 200 IM. All of the swimmers are coached by Pete Rile and Dennis Baus.

## Rhode Island

Rhode Island teams made a good showing at the New England Long Course Age Group Championships July 27-30 at Harvard. The Little Rhody Aquatic Club took fifth overall with the help of team members David Venech, Felicia Sexmith, Kimberly Ho and Chris Holt. All but Venech went on to compete at NJO-E. The Boys and Girls Club of East Providence finished 6th overall and won the small team category (15 swimmers or less) for their second consecutive title. New England champions from EPBC included: Brandi Blakely, Corey Blakely and Liz Kotch. Both Brandi Blakely and Kotch were high point winners.

Champions from other Rhode Island teams were: Greg Cardillo and Alex Lai from the Cumberland Area Swim Team, and Ocean State Aquatics' 10 and under boys relays, which claimed golds in the 200 FR, 400 FR and 200 MR.

## South Carolina

Spartanburg's Y-Spartaquatics,

coached by John Vasbinder, won the National YMCA Long Course Championships in Cleveland, Ohio. Chad Patterson, a junior, broke long course Y national marks in the 1500 free (16:37.21), 200 back (2:12.20), 400 free (4:08.80) and 200 free (1:56.82). Others who placed in the top three were: Barry Wynn, David Strasburg, Kirsten Sanders, Jenny Harper, Sarah Borowski and Beth Maguire. Y-Spartaquatics finished with 819 points, outdistancing Rochester, Minn., (416) and Harrisburg, Penn., (379). Although it is the team's first national title, Y-Spartaquatics claims 11-straight state championship crowns.

## Texas

The USS Southern Zone Meet August 8-12 was a huge success and a lot of fun, largely because of the hard work of the event's hosts, the Lewisville Aquatic Club. Held at the Rosemeade Swim Complex in Carrollton, the top six Zone finishers were: Florida Gold Coast (519), Georgia (437½), Florida (423), Louisiana (395), Kentucky (316½) and Gulf (276). "The parents of the Lewisville Aquatic Club are to be commended for running a very, very successful swim meet," said Meet Director Harry Schmidt. "With 510 swimmers plus parents and chaperones, a massive amount of preparation was necessary."

## Virginia

Waynesboro YMCA/SMAC turned in its greatest ever team performance at the Indy Meet June 29-July 2. The shaved and rested squad of 11 swimmers came away with 86 percent best times which resulted in 14 new team records. New record holders are: Scott Griffith, Tommy Thomson, Tom Woodworth, Julie Campbell, Ginny Griffith and Melissa Gordon.

## Washington

Cascade Swim Club of Seattle is pleased to announce that Steve Witcher, formerly assistant senior coach with San Jose (Calif.) Aquatics, has taken the position of head coach.

## West Virginia

George Klegez has moved from men's soccer head coach to take on the duties of the swimming program, which is being reinstated at West Virginia Wesleyan.

## Attention Contributors!

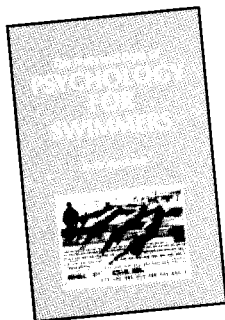
Swimming news from your state should be listed in the American Relay. Contributions are welcomed. Send short articles, newsletters and photos from your club and LSC to Sandra Todd, Grass Roots Editor at *Swimming World*, P.O. Box 45497, L.A., CA 90045.



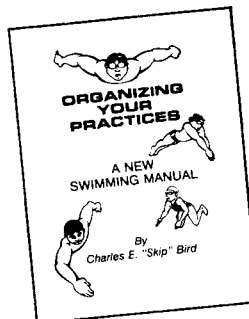
(Photo by David Peterson Photography)

The Florida Gold Coast team (above) proudly displayed their association banner at the opening of the USS Southern Zone Meet August 8-12. Held at the Rosemeade Swim Complex in Carrollton, Texas, Florida Gold Coast dominated the meet with 519 points, followed by Georgia (437½) and Florida (423).

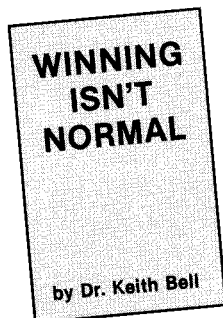
# Books for the Athlete, Coach and Parent



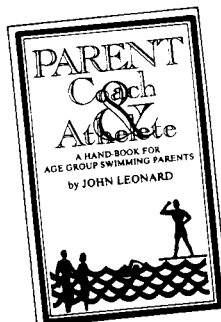
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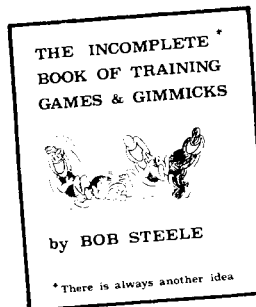
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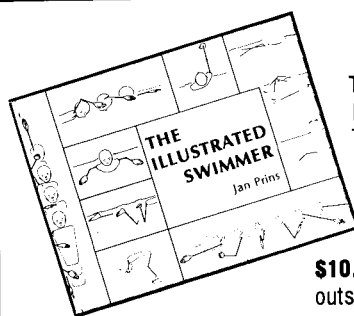
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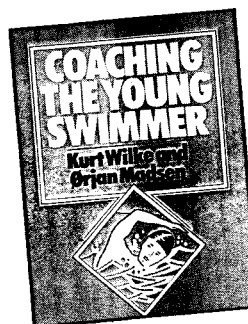
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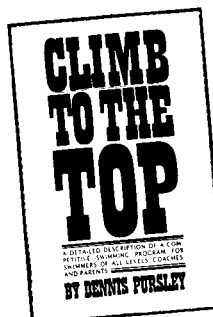
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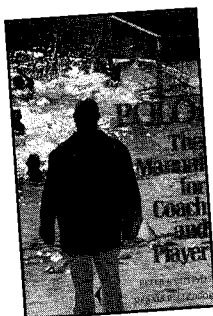


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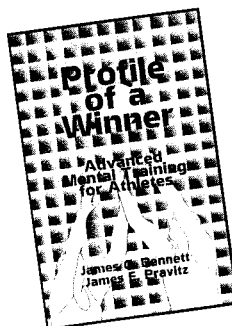


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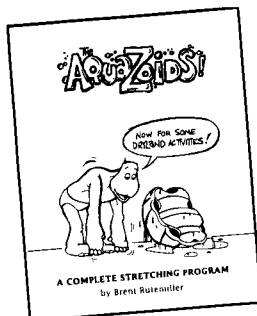




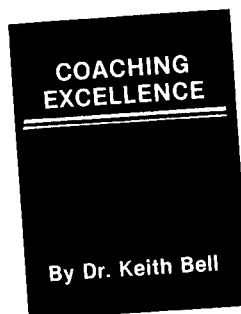
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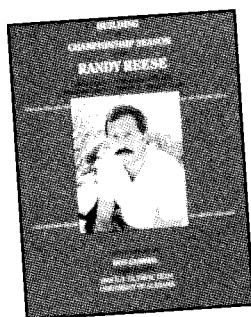
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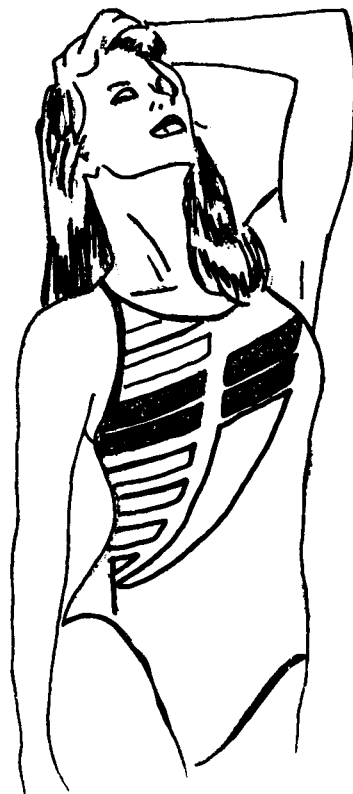
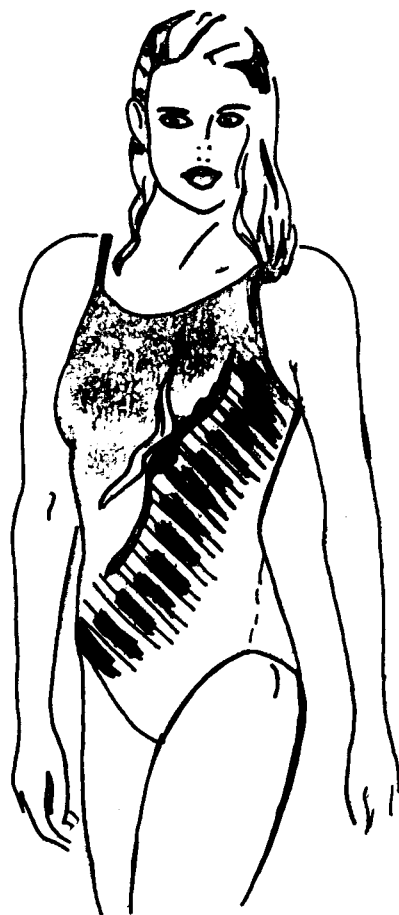
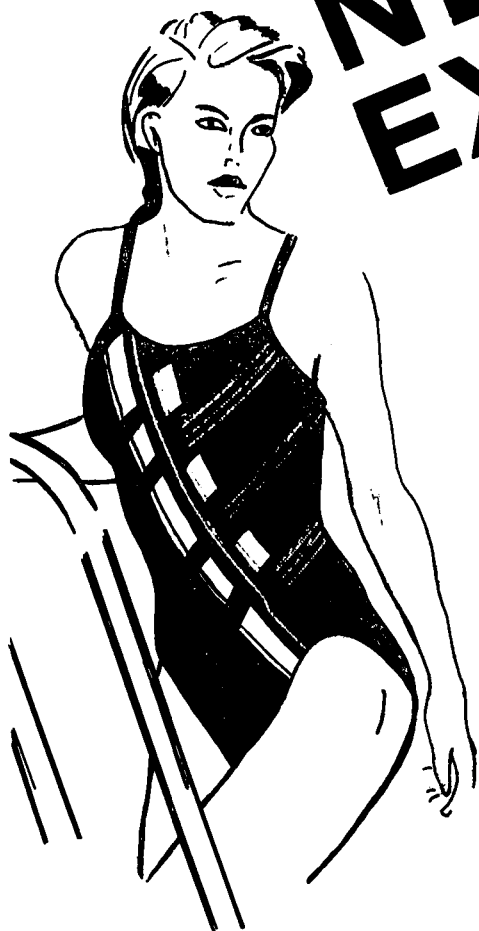
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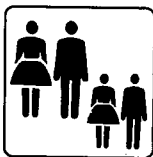


## All In The Family

Since departing the ranks of age group coaching two years ago (after a 15-year hitch), I've kept in touch with the sport by writing this column and by getting back into training and competition myself as a masters swimmer. Though I swam in college, and spent my age group coaching career hanging around various pools, I didn't take advantage of my access. So after a 16-year hiatus, I returned to active swimming last year and discovered that I can train and compete with a renewed appreciation for the joys of a challenging but satisfying workout or a well-swum race.

These experiences have also made clear to me how much age group swimmers can benefit from exposure to masters swimmers, and how much age group parents can benefit from the perspectives gained by training and competing themselves in masters swimming. I'm convinced that one of the best possible situations for young swimmers is to be blessed with parents who are masters swimmers—sort of the total swimming family.

These experiences brought to mind a conversation I had several years ago with Coach John Flanagan of the Alexandria YMCA in Virginia. Flanagan coaches some incredibly fast oldsters on the D.C. Masters, swims faster himself at 42 than he did at Syracuse University more than 20 years ago, and as an age group coach has developed such elite competitors as Michele Grigliione, a many-time national champion in the individual medley. Flanagan once told me that one of his age group parents had greatly improved her outlook on her child's swimming



after joining his masters program. How might that occur? There are many ways in which age group parents can benefit from experiencing our great sport from an inside perspective.

First and most obviously, there are the therapeutic effects on body, mind and soul of an organized program of training and competition in a sport that doctors heartily recommend for adult wellness and fitness. Far less obvious are the ways in which it can enhance your relationship with your child and your sensitivity to the demands (and rewards) of training and competing in swimming.

An important and seldom-considered dividend is in allowing your child to see you as a role model for lifetime health and fitness. A child who sees his parent enjoying masters swimming will be less likely to see swimming as a finite youth activity, and more likely to see it as the first step in a lifetime continuum that is the best health insurance of all. I can vouch for this from personal experience. My 14-year-old daughter, who divides her time between swimming, field hockey and lacrosse, has already told me that she can't wait until she's 25, so that she can swim in an adjoining lane to me in a master's meet.

Participating in even a moderate exercise program will give you a far better understanding of the rigors

and challenges of swim workouts. You'll be less likely to chide your child over "not working hard enough" or "not trying" once you've experienced a little lactate accumulation or oxygen debt yourself.

Swimming in a masters meet will help you experience competition in a new way. You'll see how much satisfaction can be gained simply from giving your best effort, demonstrating new proficiency, or improving on previous best times, and how little it matters, in those moments, whom you beat . . . or failed to beat.

Both you and your child will enjoy turning the tables and letting your child cheer you on at a meet—or tease you "for dying in that 200 free."

At the short course masters nationals last May in Mission Bay, I spoke with Leslie Osborne, a 35-year-old swimmer and mother of three age group swimmers (Josh, 11, Leslie, 9, and Brian, 6, who swim with the Michigan Stingrays). At Mission Bay, Leslie, also a member of the Michigan Stingrays, shattered the 35-39 age group national record in the 100 yard breaststroke with a 1:07.58 (seven seconds faster than her best time as a teen-ager!) in only her second year of masters swimming after an 18-year layoff. Her insights lend weight to the benefits I've cited above.

"I never considered myself to be a ►

### About the Author

Terry Laughlin was an age group and collegiate coach for 15 years, guiding a number of swimmers from the novice stage to world rankings. His coaching philosophy was to make all his programs an arena for child development. Since leaving coaching, he writes and lectures extensively on issues in youth sports. He also remains close to swimming as a swim parent and masters swimmer.

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## Age Group / Family

high-pressure swim parent, but I find I'm more patient and relaxed about my kids' swimming now because I'm not living vicariously through them," she said. "I'm able to go after my own goals rather than pushing them to accomplish things because of some unfulfilled wish of my own."

She added that training and rac-

*"I see parents who are so out of shape scolding their kids about losing, and I want to ask them how they'd like to try it."*

ing have given her a renewed understanding of the difficulties and frustrations her kids may experience. "I see quite a few parents who expect their kids to drop their times at every meet they enter, and masters swimming teaches you that you can't always do that even if you'd like to," she said.

Leslie's advice to other parents is to avoid acting negatively with their kids after a race. "Sometimes I see parents who are so fat and out of shape that they couldn't even swim a 25, scolding their kids about losing a race, and I want to ask them how they'd like to try it," she says.

"They should realize all the feelings of anxiety and putting pressure on yourself that swimming races can impose. They should know it's not such a great feeling when things don't work out. The other side, when things go well, is the great satisfaction that you have of knowing that you've done your best, that your work and conditioning have paid off, that your training was successful regardless of whether you win or lose."

For those who've never swum before, there's no reason to be discouraged or intimidated. Masters swimming is truly an all-comer's sport. Many people who never took their first strokes until middle age have gone on to satisfying and successful careers as masters swimmers. Your child's coach can probably tell you how to get involved, so go ahead and take the plunge. □

## Learning From The Dolphins

I begin writing this month's article with a sense of urgency and excitement because I have recently had an inspiring experience that I want very much to share. It is an experience such as this that makes me glad I committed my time to these articles and thankful for the vehicle to communicate to younger swimmers the activities, thoughts and perspectives which I feel constitute a higher quality of life.

Guided by the vision and determination of one man, Albert Stevens, five well-known competitive swimmers boarded an 86-foot catamaran chartered to locate and interact with a pod of Atlantic spotted dolphins that inhabit the white sand flats 42 miles north of Grand Bahama Island.

This dolphin adventure marks the first time top-level aquatic athletes have been brought together to interface freely with open ocean dolphins, and the results of our trip were both significant and promising. The very fact we were even able to see these animals under water demonstrates a willingness on the part of the dolphin to interact with humans.

Our group swam continuously on one encounter side by side with free dolphins for over two hours and 15 minutes. Based on my own two previous encounters with the same animals, I found the dolphins to be much more active and vocal when they witnessed the abilities of accomplished swimmers versus a random selection of free divers and snorkelers.

In addition to the dolphins' reaction to us, we were privileged to observe and record the method by which dolphins use highly specialized sound waves to echo, locate and expose fish and crabs from beneath the sand bottom.

Our Bahama adventure took one full year to plan, and each member



*Matt Biondi*

of the group was specifically selected on the basis of what he or she could contribute to the group.

I, along with Dave Berkoff, had the opportunity of representing the speed swimmers, based on our love for the natural world and our accomplishments in the competitive swimming pool. Tracie Ruiz-Conforto and Sarah and Karen Josephson had the task of adding to our group the agility and grace which is so much a part of synchronized swimming.

Together, along with Albert and his wife, a cameraman, a photographer, a reporter, a novelist, a medical physician and an artist, we spent 10 days on a boat miles from land, feeling honored to be approached and accepted by these gentle creatures.

One morning stands out in my mind as a wonderful example of what it is like to swim with free dolphins. I was awakened early by an energetic backstroker whom I knew 11 months previously as a member of our gold medal-winning relay team in Seoul. All he said to me was, "Dolphins."

I shot out of my bunk, jumped into my suit, and before I had the chance to clear the morning fog in my mind, I had my goggles and noseplug on and was leaping off the boat's dive platform into the ocean water. The sounds of whistles and clicks were all around me.

First, Dave dove in the water, attracting the attention of one dolphin named "Stubby," as they swam almost touching each other in a circle below me. Then from close by, the Josephson twins swam together with a dolphin watching very carefully over their shoulders. Then it was my chance to go eye-to-eye with a 6-foot dolphin with only a few inches separating the two of us.

There were six of us who woke up early to find 12 friendly dolphins breathing softly off our bow. After one full hour of dolphin kicking and holding our breath for considerable periods of time, we all felt well-exercised. At breakfast later that morning I felt very much at peace with myself—a feeling I sensed was shared by all of us, judging from the permanent smiles on our faces.

The truth behind my enthusiasm for dolphins stems from the way I envision a tremendous potential for ▶



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"Beyond Winning," a column by Olympic great Matt Biondi—winner of five gold and seven medals at the Seoul Olympics—appears courtesy of a grant from Delphis Swim Products.

## Beyond Winning

environmental education and social healing targeted specifically at the younger generation. The dolphins have a sense of community about them that seems to provide each pod member with great security and comfort—a philosophy that surely could benefit all of our lives.

From the dolphins I get the feeling of total acceptance despite the fact that I must look and act very un-

usual to them under water. Imagine the quality of life we could experience if racial differences didn't cause any conflicts. I admire the dolphins for the simple way they consistently respect each other and live without domination over their environment.

The strongest and most important message I've learned from the dolphins is they never demonstrate aggression as part of their behavior. I

am worried that we, as a society, are exposing our youth—through television and movie theaters—to an excess of violence and anger. Accordingly, we are witness to more youth-oriented problems than ever before.

I wish every kid across America could learn to appreciate the importance of overcoming obstacles without resorting to aggressive solutions. A youth campaign centered around the lifestyles of dolphins could replace elements of prejudice and aggression within our society with an understanding and appreciation for the interdependence of life and the natural world. To me, this is a goal worth working for.

My interest in swimming with marine mammals continues as I will leave later this month to swim with white whales off the coast of Argentina. This is the last of a three-part special on marine mammals to be aired on CBS in January. We have also begun planning our dolphin adventure of 1990, and I hope to remain involved with these special creatures for years to come.

In closing, I wish to respond to a question from Allyson Bratina of Harahan, La., who wrote to ask me if it is possible to work too hard and tire yourself out for the meets. There is little doubt among top-level coaches that peak performance is achieved after the body has recovered from physical conditioning. The problem remains, however, how do you swim fast during the season and also put in the hard work necessary to improve at the end of the season?

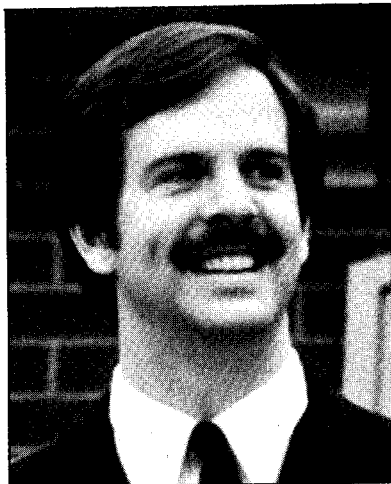
My approach to this problem is to think of every meet in the season as a way to test yourself and nobody else. Winning and losing is not as important as what the competition teaches you about yourself and your training methods. Focus and plan to swim your fastest at the very end of the season. No matter how slow you may swim during the year, if at the end, you swim your personal best time, I guarantee you will feel satisfied with the season's progress.

Thank you, Allyson, for your letter and for the dolphin picture you drew for me. I hope you continue to enjoy your swimming experience. □

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## Food, Water And Rest

Compared to other athletes, the dedication of swimmers is astounding. They often swim 10 miles per day, six days per week, 11 months per year. They invest more time and effort in trying to become better swimmers than in any other single activity of their lives except, hopefully, their schooling.



Sadly, many doom themselves to failure because they do not eat a proper diet, replace the fluids lost in training nor get sufficient rest. Let me discuss each of these aspects of "training away from the pool," starting with the diet.

The food athletes eat ultimately provides the fuel for their training. Where food is concerned, the problem is usually one of insufficient quality, not quantity. Most swimmers ingest enough calories per day to replace the fuel they used in training. However, a large portion of those calories (perhaps 40 to 50 percent) consist of foods high in fat.

Junk foods, such as sweets, fried foods and meats loaded with fat form a large part of the typical American diet (and, increasingly, the diets of athletes from other nations). The problem with fatty food is that they are slow to digest and even slower to be stored in muscles as glycogen, the major source of fuel for training and competition. It typically requires 48 hours for fatty foods to be converted to glycogen and stored in the muscles.

Swimmers on high-fat diets easily ingest more calories for dinner on Monday, for example, than they used for training that afternoon. However, those calories will not replace the muscle glycogen that was used to fuel that training session until Wednesday, 1-3 workouts later.

The dilemma is obvious. Swimmers on a high-fat diet cannot replace their muscle glycogen supply

between training sessions. Eating more food will not solve the problem. The swimmer's gas tank (stomach) is full, but the fuel is not getting to the engine (muscles) between training sessions. Thus, the swimmer must turn to stored sources of fuel. One of these is fat. However, fat burns slowly and the athlete will not be able to train at speeds that are sufficient to produce the improvements in aerobic endurance, anaerobic endurance and speed that are desired.

Another source of stored fuel is muscle protein. When swimmers use this source, they literally "cannibalize" their own muscle tissue for energy and soon lose endurance and power.

Cycling is one method for dealing with this problem. Interspersing fast and slow swimming, pulling and kicking and changing strokes in training are ways to (1) reduce the rate of glycogen depletion and (2) provide additional time for glycogen replacement between training sessions.

Another method is by replacing about half the daily quantities of fatty foods with foods that are high in carbohydrates. This change in the diet can shorten the muscle glycogen replacement time to 24 hours.

The advantages to swimmers are obvious. They will be able to train more intensely and more specifically for a greater number of sessions per week, and their dependence on muscle protein as a source of fuel will be reduced.

Good sources of carbohydrates are breads, cereals, pasta, noodles, pancakes, waffles, rice, corn, beans and peas. Fruits and fruit juices are also high in carbohydrate content because they contain natural sources of sugar in the forms of fructose or glucose which are rapidly stored as glycogen in the muscles. Baked goods, soft drinks and candies are not recommended even though they contain large amounts of sugar. They also contain large amounts of fat and very little else in the way of vitamins and minerals that are also necessary for the prevention of ▶

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### About the Author

Ernest W. Maglischo is the head men's swim coach at California State University-Bakersfield and the author of the book, *Swimming Faster*.

## The Finals Coaches Advisory Staff

training-related dietary deficiencies.

The next topic concerns fluid intake. A common misconception is that swimmers, unlike athletes who train on land, do not need to drink water during training because they don't sweat. Swimmers also lose large amounts of body water when they train because they do sweat and because they spend more hours per day training than many other athletes. The fluid loss is not noticed because most of it evaporates before reaching the skin and does not appear on the body as sweat.

If you have ever weighed swimmers immediately before and after training, you know that it is not uncommon for them to lose 2-3 pounds. Most of that weight loss is fluid.

Obviously, swimmers are not in the same danger of dehydrating as are runners. Nevertheless, water losses should be replaced as rapidly as possible. Better still, the fluid loss should have been prevented during the session in question so that

plasma volume and, consequentially, circulation could be maintained at optimal levels.

Swimmers should be encouraged to drink a glass of fluid (approximately 6-8 oz.) every 30 to 45 minutes during training sessions so that the weight loss following training does not occur or is minimal. Plain water is an excellent and adequate source of fluid replacement. However, commercial preparations that contain electrolytes and glucose are also advantageous.

Lastly, we come to the topic of rest and sleep. It is unfortunate that we know so little about this important aspect of training. We know in vague terms that people replace their energy during periods of rest and sleep. We know very little about how this is done, however. We also know very little about the quantitative and qualitative aspects of rest and sleep—that is, how much at a time, how often and whether it should be inactive or active in some mild way (i.e., walking, reading,

meditating, etc.).

We know from experience that athletes do not train as well when they are not getting enough sleep at night. Conversely, we have seen that athletes can tolerate much greater training loads when they have additional time to rest such as during vacation periods. The reasons probably have something to do with the fact that periods of rest and sleep reduce daily "non-training" energy use, leaving more available for training. It may also be that muscle and central nervous system fuels, hormone levels and, perhaps, "psychic energy" are replaced more rapidly when resting or sleeping.

It seems reasonable to assume, therefore, that athletes will be able to tolerate greater training loads and, thus, reap greater training benefits when they are getting at least 6-8 hours of sleep per night. It also seems advisable to recommend that athletes rest at least one or two hours each day when their schedule permits. □



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## Dangers Of Charcoal-Broiled Foods

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



**Q: I like to barbecue food on the grill. Someone just told me that grilling food can make food cause cancer. Is this true?**

**A:** Cooking food on a barbecue grill is many people's favorite way of preparing a meal. The whiff of charcoal smoke is the teaser for the distinctive charcoal-flavor that many people love.

Experts in nutrition and cancer prevention have raised a warning about too much of a good thing—charcoal-broiled foods. These experts believe there is no evidence that you will increase your risk of developing cancers by *occasionally* eating grilled food. They also point out that certain cancers have been linked to eating *excessive* amounts of charcoal-broiled foods. For these reasons, they recommend that people should eat charcoal-broiled food in moderation.

The reason for concern is that charcoal-broiling of foods, particularly meats, creates compounds that may cause cancer. Three factors are thought to be involved in forming cancer-causing substances called carcinogens:

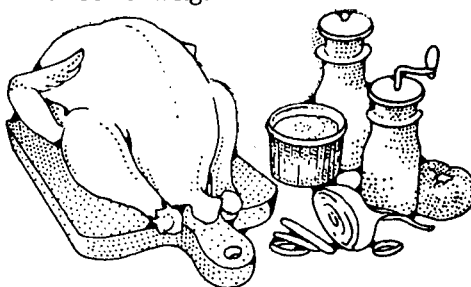
- Charring of the food
- Low temperatures used in outdoor cooking
- Smoke produced when fat drips on the coals and is carried back up to the meat.

Using a gas or electric grill doesn't eliminate these problems.

Nutrition experts at the American Cancer Institute recommend that people use the following suggestions

to help make grilling more healthful:

- Select meats for grilling that are low in fat, since research shows that the higher the level of fat in the charcoal-broiled meats, the more carcinogens are produced during grilling.
- Trim all excess fat from meat before cooking.



- Cook the meat until it is done *without charring* it.
- Remove any charred material that forms on the food's surface.
- Discourage flare-ups, since burning juice or fat can produce potentially harmful smoke.
- If smoke from dripping fat is very heavy, move the food to another section of the grill, rotate the grill, or reduce the heat.
- Whenever possible, use a drip pan to catch dripping fat and to prevent the fat from causing smoke to form.
- Rotisseries can help cook foods more evenly with less charring.
- To reduce cooking time on the grill, many foods such as ribs or chicken can be partially precooked in a microwave or by broiling, and then grilled briefly to add a subtle charcoal flavor.

**Q: Do hard daily workouts really deplete muscle glycogen to such low levels that swimming performance is impaired?**

**A:** A recent study conducted by Dr. Costill and his colleagues showed that swimmers who doubled their training load for 10 days experienced fatigue during training sessions and decreased their muscle glycogen content, but they had no measurable

loss in performance for sprint and endurance performance.

The purpose of Dr. Costill's research was to study the effects of intensified training on muscle glycogen and swimming performance. Twelve highly trained male swimmers were studied before, during and after 10 successive days of increased training in an attempt to determine the physical effects of this training overload.

Their average swimming distance was increased from 4,266 to 8,970 meters a day for 10 days, while swimming intensity was maintained at 94% of their maximum oxygen uptake. The average calorie cost of their training was 2,293 calories a day. The researchers also estimated that the swimmers used 2,374 calories per day at rest. Thus, their calorie needs during the study were 4,667 calories a day. ►

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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.



## Nutrition

The results of this study showed that most of the swimmers had the capacity to handle a two-fold increase in their training load over a 10-day period. Although all of the swimmers experienced local muscle fatigue and some difficulty in completing the intensified training sessions, only four of the 12 men were considered to be chronically fatigued.

Performance in both sprint (22.86 meter front crawl) and endurance events (365.8 meter front crawl) were unchanged as a result of the intensified training regimen. The findings of the study also showed that there were no changes in swimming power, aerobic capacity or the energy cost of swimming.

The researchers concluded that the 10-day period of intense training produced neither improvements nor losses in physical conditioning. The swimmers in the study experienced difficulty in completing the increased work loads in their intensified training sessions but their swimming power, sprint and endurance perfor-

mance were unchanged. If the study had continued for longer than 10 days, the effects of increased training loads on swim performance may not have been the same. It's possible that over-training syndrome could occur and that swimming performance could decrease.

The findings of Costill's study also suggested that the four swimmers who were most chronically fatigued and had the lowest level of muscle glycogen were not eating enough calories and carbohydrates to meet their training energy requirements.

Sports nutritionists recommend that all athletes who train for more than 60 to 90 minutes eat a diet that provides at least 60 percent or more of their calories from carbohydrates. This high level of carbohydrate intake can help minimize training fatigue due to inadequate levels of muscle glycogen. This study and others have made it clear that eating a high carbohydrate diet will help prevent glycogen depletion that can occur during heavy training.

### Q: Do carnitine supplements improve swimming sprint times?

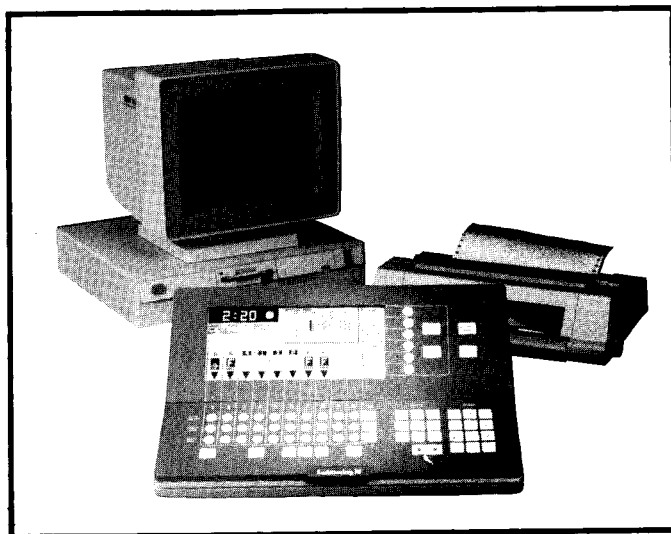
A: Carnitine is being promoted in some sports magazines and books as an ergogenic aid to increase the use of fat as muscle fuel during exercise. The basis for this ergogenic claim is that carnitine aids the transfer of fat into the mitochondria or engines in cells that produce ATP, the major muscle fuel.

The results of recent, but limited, studies have shown that carnitine supplementation does not increase the use of fat as an energy source for making ATP during exercise, nor does it improve important performance related physiological measurements such as maximal oxygen consumption. □

#### References

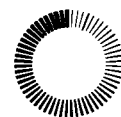
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Sports Medicine Digest. 11(7):5, 1989.

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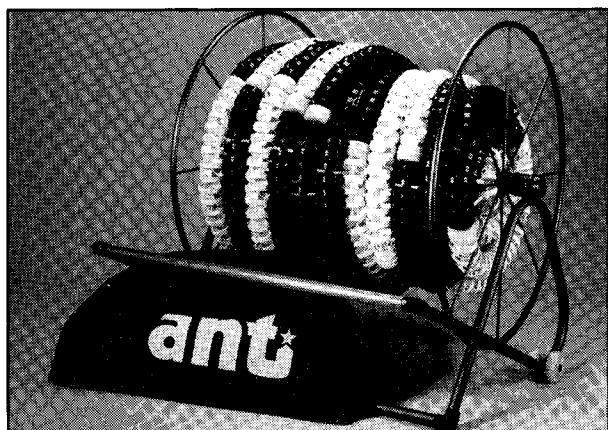
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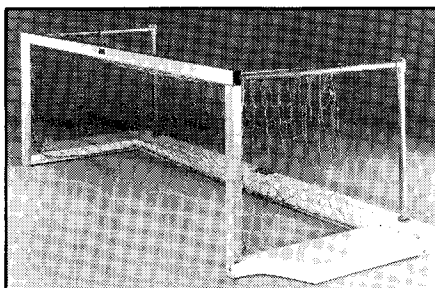
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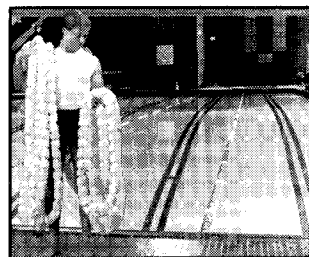
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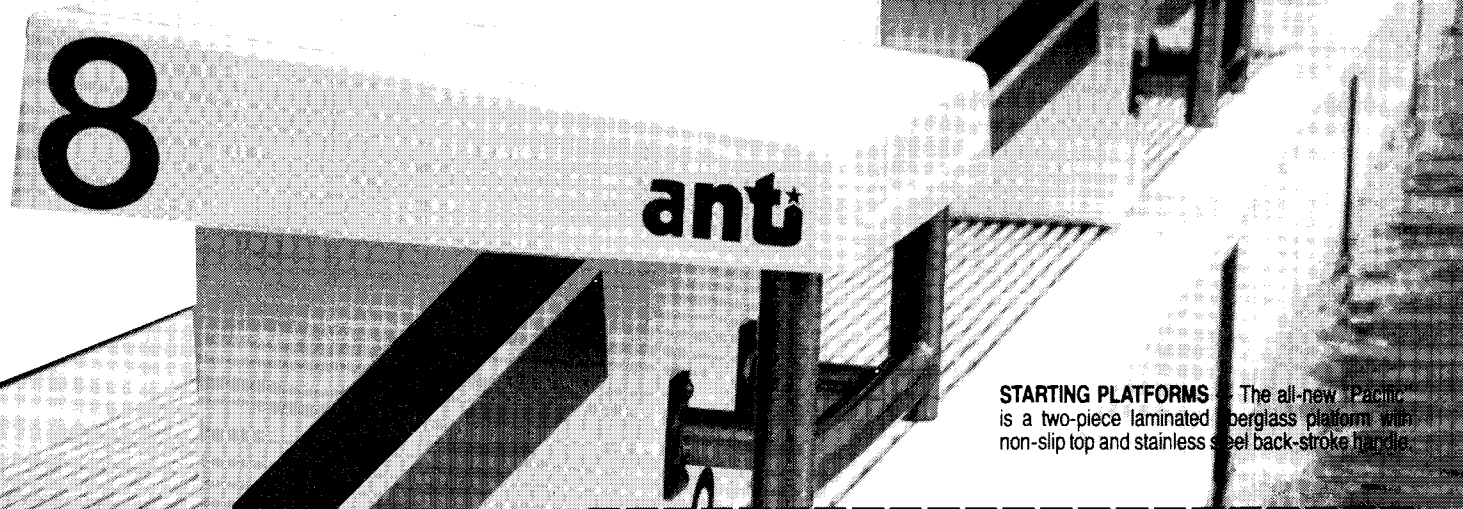
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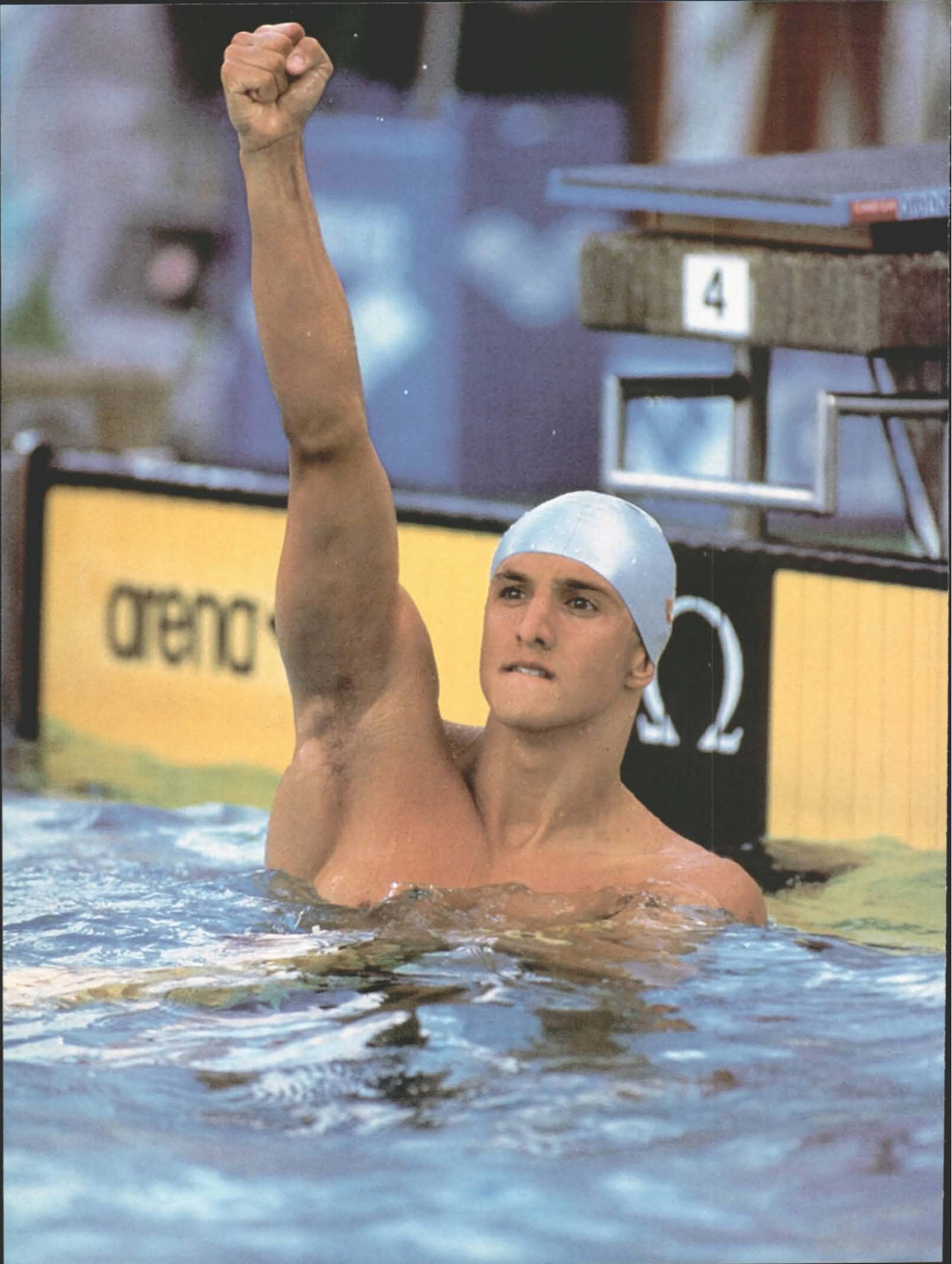
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# A First For Italy

*Not only did Giorgio Lamberti win two events at the European Championships, he also became the first Italian ever to hold a world record in swimming.*

**by Mark Muckenfuss**

BONN, West Germany—From 1983 until 1988, Michael Gross held the world record in the 200 freestyle, lowering his own record of 1:48.28 three times eventually to 1:47.94 in 1984 at the Los Angeles Olympics. Until last year's Games, that mark stood. But in Seoul, Duncan Armstrong streaked to a 1:47.25, doing to Gross what countryman Jon Sieben had done in the 200 fly at the 1984 Olympics.

This year, the record fell again, knocked off by the first Italian man to ever hold a world record, Giorgio Lamberti.

Lamberti roused the mostly German crowd gathered here for the 1989 European Swimming Championships the first night of the meet when he zipped ahead of the field in the first half of the 200, splitting 52.42, and held onto the lead to knock off the record with a 1:46.69. It was the second time in 11 months that the long-unchallenged record had dropped, and for Lamberti it was retribution for his disappointment at last year's Olympics, where he battled illness and disappointing performances.

It was the second world record of the day, the first coming in morning prelims when Adrian Moorhouse finally passed the mark he had been chasing for five years. Moorhouse failed to match his morning swim of 1:01.49, turning in a 1:01.71 in

**Giorgio Lamberti (opposite) was the star of the European Championships, breaking the world record in the 200 free on the meet's first day with a 1:46.69. He wasn't the first to set a world mark, however. That honor went to Great Britain's Adrian Moorhouse (above), who went 1:01.49 in the 100 breast prellms.**



(Photo by Simon Bruty/All-Sport)

finals to outdistance the Soviet Union's Dimitriy Volkov by 23-hundredths for the gold.

Nonetheless, the first day of competition pushed forward the promise of a fast meet, a promise that was largely unrealized as things progressed. What did stand out was Lamberti, the British breaststroker, both of whom set world records, and the failure of the traditionally dominating East German women to set a single world record—not only that, but their failure to even come close to a record in any event. Despite her stellar Olympic performance, Kristin Otto, who has returned to swimming only backstroke, her original specialty event, was not the outstanding woman at these championships. In fact, the most outstanding woman was not even an East German. It was France's Catherine Plewinski, who after making some noise at last year's Olympics, fully emerged to capture two races and equal the time

(59.08) of the third-fastest female 100 butterflyer ever.

For Lamberti, the first night was the start of a great half-meet, so great that it stacked up better than anyone else's whole meet.

"Germany's very lucky for me," Lamberti said after his win in the 200. "At another meet here, the Arena Meet, I made another record." Two actually. In February of last year, Lamberti knocked off Gross' world-best marks in the 200 and 400 freestyles, establishing himself as a top world swimmer and building expectations for his potential in Seoul.

But, he said, "In Seoul I was very ill; my batteries were very worn down." This year, he reportedly backed off a little on training volume. Prior to the championships, he trained for three weeks at altitude. Although he expected to swim well, he did not expect to set a record, he said. "I'm very surprised. ►

## European Championships

It really hasn't hit me yet. I won't feel it until this evening. It has great meaning for me to win this record (since it gives Italy its first men's world record in swimming). It gives me a lot of confidence."

Adrian Moorhouse hardly needed confidence-building. He has been at the top of the world breaststroke ranking at 100 meters for four years straight. What he did need was the record, a mark he had chased since watching Steve Lundquist finish ahead of him at the Los Angeles Olympics.

"I was next to Lundquist when he set that record (1:01.65)," Moorhouse said. "Topping the world list every year is something, and in Seoul I won the gold, but I only won by 1-hundredth, which didn't prove anything. But now I can say I'm the best. Even if I only hold it for a couple of hours, so what? Now I can say I was the best ever at this point in time."

A few months prior to the championships, Moorhouse questioned whether he would even be ready to swim at the meet. Three days after his return from Seoul last year, he was in an automobile accident and broke the scaphoid bone in his wrist. He wore a cast for four months and did not get back in the water to train until February of this year.

"I didn't think I'd make it here," he said. "I lost a lot of muscle, and I didn't think I'd be ready in time. But they say as you get older it takes less time to get back into shape. I've been swimming well here all week. I planned to swim for the record this morning. I thought I could do it. I think I can go faster tonight."

Moorhouse was wrong on that prediction, although he did best Volkov for the gold medal in the finals, going 1:01.71.

"I was a bit nervous before the race trying to go a record again. I hesitated at the start. I thought I false-started and that the start was going to be called back. By the time I got to concentrating, I was 30 meters into the race. I was a little too hurried, and at the end I paid for it. I was fortunate to win. I'm a little disappointed because I think I can go faster. The next time I'm going to try is in Orlando (Fla.) in December."



(Photos by Mark Muckenfuss)

Moorhouse's countryman, Nick Gillingham, was third in the 100 breast with a 1:02.12, surprising some observers since he is thought of more as a 200 breaststroke swimmer—he was second in that event at the 1988 Olympics.

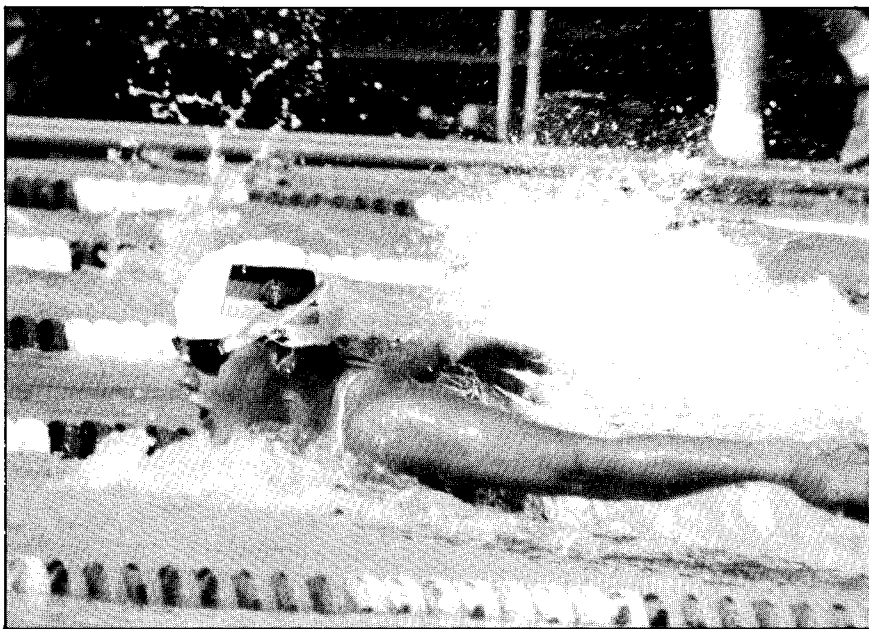
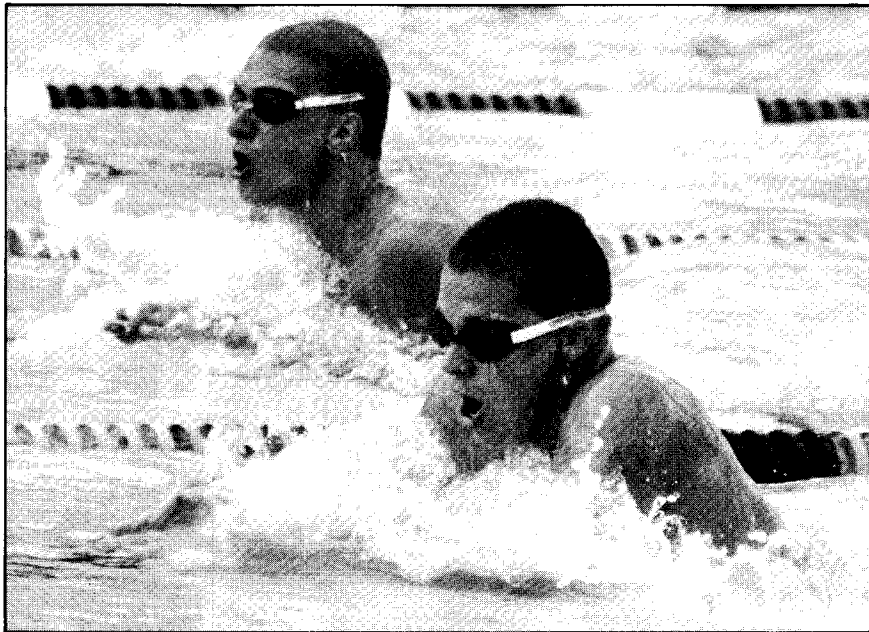
"That surely sets me up for a gold medal in the 200 maybe," he said of his performance, "and who knows?"

Gillingham was hinting at a world record, and it was all the talk among the British coaches, so expectations were high when he leapt from the blocks in the final of that event. Gil-

*Great Britain's Nick Gillingham (above) sped to a 2:12.90 in the 200 breast, tying American Mike Barrowman's world mark. Two days later, however, Barrowman went 2:12.89 at Pan-Pacifics. Hungary's Tamas Darnyi (top right) and Patrick Kuehl of East Germany went 1-2 in the 400 IM, with Darnyi also winning the 200 IM and 200 fly. Daniela Hunger (bottom right) captured both women's IMs and took second in the 50 free for the GDR.*



## European Championships



lingham was out faster than the record pace by 47-hundredths at 1:04.66, and won with a 2:12.90, tying the world record set by Mike Barrowman 15 days earlier at the U.S. nationals.

"I knew I had to find one more second in the first 100 and still make it easy," Gillingham said, analyzing his race. "But it really came down to the crowd. They were there every time I breathed. When my tempo changed, the tempo of the crowd changed. That really helped me."

Gillingham said he wasn't bothered

by tying rather than breaking the world record. "It is the fastest time," he said. "It's a European record. So, no; no displeasure at all." That feeling may have changed when word came in on the final day of the meet that Barrowman had broken the record again at the Pan Pacific meet in Tokyo with a 2:12.89.

Also notable was the second-place finish of Gary O'Toole, who was not only the first Irish swimmer to gain a spot in the championship finals of a European Championships, but ended up with a silver

medal as well. O'Toole was a bit overcome by it all.

"When I touched the wall, I looked up and saw 2:15," he said. "Then I had to look again to see the place. When I did, I was delighted. This just hasn't sunk in yet. I knew third was up for grabs, but to beat Jozsef (Szabo) was marvelous."

For the Hungarians, it was a less than ideal meet. Not only did Szabo not swim well, neither did the country's new female star Kristina Egerszegi. Tamas Darnyi, world record holder in both IM events when the meet began, won those two races plus the 200 fly, but none of his swims were record times. Both he and Egerszegi complained of being sick with flu-like symptoms. Still, no one but Darnyi had more than two individual titles in the meet.

In the 400 IM, Patrick Kuhl stayed with Darnyi through the breaststroke leg of the race, but when it came to the freestyle, he couldn't keep up with the Hungarian, falling behind, 4:15.25-4:16.08.

"I knew by the 300-meter mark I had control of the race and I would win, so I swam the final 100 to win," Darnyi said. "It was a very difficult race, and in addition, I wasn't feeling that well. I had a bit of a flu, a sore throat and a temperature this morning."

Despite not feeling 100 percent, Darnyi managed a 1:58.87 in the 200 fly for a gold and went 2:01.03 in the 200 IM. In the latter race, Darnyi said he was motivated by David Wharton's Pan Pacific swim of 2:00.11 earlier in the day, which allowed Wharton to take away Darnyi's position as world record holder in the event. But the Hungarian again blamed his illness on keeping him from getting close to the new record.

The only other male performances of note came in the freestyle events. In the 400, Artur Wojdat found himself in the unusual position of being with the leaders in the first half of the race. Normally a come-from-behind swimmer, Wojdat found that no one was taking out a fast enough pace for him. Wojdat still pulled away in the final 100, winning the race, 3:47.78-3:48.68 over West Germany's Stefan Pfeiffer. ►

## European Championships

"I was aiming at not just first place, but a good time," Wojdat said. "But with this field it's hard to go out fast. You need a rabbit to push you. I think I could have gone faster tonight. The world record was my goal tonight."

Pfeiffer, on the other hand, was a little surprised with his silver medal. "This really motivates me for the 1500," he said.

That race turned out to be one of the most exciting battles of the meet. Pfeiffer and East Germany's Jorg Hoffmann raced stroke for stroke nearly the entire race. Less than 2-tenths of a second separated the two through much of the race, with Pfeiffer leading the way. But it was Hoffmann who pulled away in the final 100 meters to beat Pfeiffer and take the gold 15:01.52-15:01.93.

Lamberti captured his second gold in the 100 freestyle, surprising even himself by swimming away with a 49.24-50.13 win over Soviet swimmer Yuri Bashkatov. Third was Bashkatov's countryman Raimundos Mazhoulis. The Soviets also had a strong dual showing in the 50 free with Vladimir Tkachenko beating teammate Evgeniy Kotriaga 22.64-22.67 for the gold. Lamberti also set a world best 200 free split the night before the 100 free, anchoring the



(Photo by Simon Bruty/All-Sport)

Italian 800 free relay to a gold medal win with a 1:45.53, bettering Matt Biondi's mark of 1:46.44 by nearly a second.

The standout in the women's events turned out not to be an East German swimmer, as is usually the case, but France's Catherine Plewinski. Plewinski, who began making a name for herself in Seoul last year where she captured a bronze medal in the 100 free, was one of four women to win two events, the others being Daniela Hunger, Susanne Bornicke and Anke Mohring, all of East Germany. Plewinski won the 50 free in 25.63 and the 100 fly with a 59.08, tying for fourth-fastest performance ever in that event. She was also fourth in the 100 freestyle (55.66).

Asked how she felt about her accomplishments after the 50 free on the final day, Plewinski said, "I don't know that I'm an international star, but I feel good. Before the race tonight I felt very cool and relaxed. If I had felt that good before the 100, I think I could have won that race, but I was very tight."

Mohring won both the 400 and 800 freestyles, the former a European record of 4:05.84, giving East Germany two of its best swims of the meet. Outside of those races and a fast time by Bornicke in the 200

breast (2:27.77), the East German swimmers appeared to be but a shadow of their usual selves.

Only one women's event, the 200 fly, won by Kathleen Nord (2:09.33), boasted a time faster than the winning Olympic time from last year, and Mohring's European record in the 400 free was the only mark broken. In contrast, the European Championships in 1987 produced three world and one European records for the women.

What stood out more than anything was the failure of top swimmers like Otto and Hungary's Egerszegi to build upon past performances. Heike Friedrich, who won two individual medals at last year's Olympics (a gold and a silver), failed to medal in the 200 freestyle (she is the world record holder in the event) and was over four seconds slower (4:10.14) than her best time in the 400 freestyle, although she placed second.

It could be that the East Germans are no different than their Western colleagues when it comes to post-Olympic motivation. Otto readily admitted that she had found it difficult to return to training.

"It was difficult for me to concentrate on my swimming this year because people look at me in light of my success in the Olympics, and it's



(Photo by Mark Muckenfus)



## European Champions

affected me," Otto said. "There were many days when it was very difficult for me to put my heart into the swim training. It helped me to train with a very good team. That pulled me along and once I started swimming good times, it was easier to train."

The East Germans may also have been suffering some stress from paranoia. This summer the Western press, particularly the press in West Germany has been full of stories by former East German athletes and officials claiming the wide use of steroids in the country's athletic programs. How much of this press the East German athletes are aware of is anyone's guess, but when Susanne Bornicke was asked about the situation in a press conference, she quickly cut the interview off and referred the question to her coach.

Spurred at least in part by the attention on the East Germans and the Ben Johnson affair, an anti-doping movement by the athletes themselves, initiated by France's Stephan Caron, took shape at the meet. Caron, Michael Gross (who is sitting out the year competitively, but was at the meet as a television commentator), and Moorhouse, issued a joint statement calling for certain actions by meet organizers and administrators of the sport. The three proposed drug testing at all international meets and threatened boycotting meets where officials refused to test; a requirement that any world record must be swum at a meet where testing takes place in order to be officially recognized; and in-season, random testing for athletes, with 48-hour notification of an impending test.

Other athletes were asked to sign the statement. By meet's end, the national teams of France, Great Britain and West Germany had reportedly all joined their leading countrymen.

*France's Catherine Plewinski (opposite, top) captured both the 50 free and 100 fly titles. Artur Wojdat of Poland (below) was victorious in the 400 free-style. In men's water polo West Germany grabbed the gold. Dirk Thelsman (above, right) moves in for a shot against Spain.*



(Photo by Mark Muckenfuss)

The Hungarian team and East Germany's Otto had reportedly added their signatures as well. Gross said the movement would not limit itself to Europe and that swimmers from throughout the world would be contacted and asked to join in the effort.

"The big problem is the IOC and FINA," Gross said, noting the reluctance of the major governing bodies to make a strong enforcement move on doping detection. "This should be a start to push the officials. They have to act faster on this. If we do this, the officials will see that the athletes are unified and have no problem with training tests. The only way to control doping is to do doping tests all around the world at national and international meets and big meets."

In fact, the athletes' initiative, depending upon how much support it receives, could very well be the most important thing to come out of these European Championships. Gillingham's world record was gone in two days, Moorhouse stands a good chance of breaking his own mark in the near future. Lamberti's 200 free record may be the only one with a good chance to last for awhile. If the Italian swimmer can stay on course and the athletes' initiative takes off, the two may indeed blossom together.

## Water Polo

At the 1986 World Championships rule changes made a tie in the final-round games impossible. Overtime was implemented to avoid a situation where a gold medal could be decided upon goal differential. As if on cue, the final game between Italy and Yugoslavia was tied at the end of regulation and went into overtime. At the end of the first overtime period the score was still tied and the game went into overtime again. And then again. Theoretically the contest could have gone on forever. Almost mercifully, both for the worn-out crowd and the exhausted players whose reserves had dwindled to nothing due to foul-outs, the game ended in the final second of the third overtime period. Yugoslavia won the gold.

At these European Championships, officials implemented a sudden-death provision after one overtime period. That was fortunate. Otherwise the crowd might never have gotten to go home.

On the final day of men's water polo competition, both medal games went into overtime and then into sudden death. The fallout was a bronze medal for Italy, in a 12-11 victory over the Soviet Union, and ▶

## European Championships

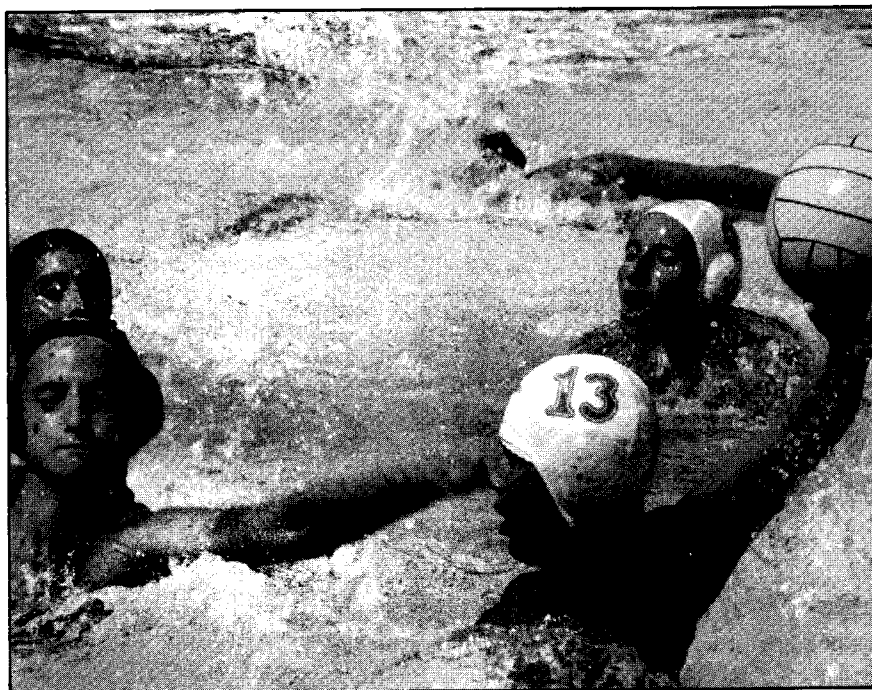
West Germany beating Yugoslavia 10-9 to win the gold before the home crowd.

The loss was a particularly disappointing one for the Yugoslavians, who have been on a major winning streak since taking the gold at the 1984 Olympics. The team has won every major world tournament it has been in save one (the 1984 FINA Cup) since that time, but it has still failed to capture a European Championship title. In fact, never in the history of the European Championships has Yugoslavia won a men's water polo gold medal.

Through the third quarter of the game, it looked like they would change that historical skunk. Up 9-6, the Yugoslavians appeared to be in control. But in the final quarter, they not only failed to score, but they gave up two goals on four-meter penalties and one more from the field. With one minute left in the game, the score was tied 9-9. The Yugoslavs had a chance to end the game with a win when West German captain Rainer Osselmann was ejected with 46 seconds left in the game. But the opportunity was wasted. The Germans failed to score on their final possession and the game went into overtime.

For the 1,800 fans packed into the bleachers it had already been an ordeal. Most were of course rooting for the West Germans. There was a small contingent of Yugoslavian fans chanting and cheering for their countrymen, but they had been drowned out before the game even began by shouts of, "Deutsch-land! Deutsch-land! Deutsch-land!" Besides going through the agony of watching the home team get down by three points, and the subsequent adrenaline rush as it came back to tie, it was an uncharacteristically hot day, well into the 90s, breezeless and with no shade in sight. Shirtless and less, the crowd picked clean any beer or ice cream vendor that came in range. But rather than wear the spectators down, the heat seemed to work them into more of a frenzy as the game wore into extra time.

Despite two man-up opportunities for the Yugoslavians and one for the West Germans, neither team scored in the two three-minute overtime



periods. The crowd chewed on its nerves as the game went into sudden death, especially when Yugoslavia won the opening sprint for the ball. But the Yugoslavs failed to convert on their opportunity, and 33 seconds into the sudden death period, Osselmann whipped in the decisive goal.

Driven by their rejoicing and, undoubtedly, relief from the heat, the fans soon filled the pool with their celebration. The players seemed to welcome them—the West German players anyway.

"The crowd was fantastic," player Frank Otto, who scored three goals during the game, said afterwards. "It reminded me of my time in Italy (where he played in the professional league there). I think this made for good publicity for water polo in Germany. I think the sport will become more popular now. At least I hope so."

For the German team, Otto said, just getting to the finals—after a bad start where the team lost its first game, 14-12, to Spain—was "like winning the contest." To then come away with the gold was a career highlight.

"The Yugoslavians wanted to win very badly," Otto said. "This is the only title they haven't added to their collection. We didn't hope to have to play that (long), but it makes me

even more happy that we won such a spectacular match."

Nicola Stamenic, who took the helm as the Yugoslavian national coach this year, expressed his disappointment, although, he said, "it is a fair result. I want to praise the performance of both teams, but not that of the referees."

Both teams had serious disagreements with the officiating throughout the match. In fact, the officiating in general had come under attack numerous times in the final rounds of the tournament. Italian coach Federico Dennerlein suggested that his federation might protest their semi-final loss to Yugoslavia based upon the officiating. When Italy went on to beat the Soviets for the bronze, Soviet team captain Sergei Naumov had his own comments.

"It is very difficult and complicated to play against Italy and two referees," Naumov said. "I think the referees in this tournament were not sufficiently experienced."

Dennerlein made no comment on the officiating after the Italian win.

The Soviet-Italian match was a good warmup for the crowd, leading into the gold medal game. Swamped early by a Soviet offensive, the Italians found themselves down 4-1 early in the second period.

## European Championships

By the end of that period, however, they had come back to tie the game 5-5, and at the end of four quarters, the teams were still even, 8-8. Naumov put the Soviets up by two, 11-9 with only 59 seconds remaining, seemingly sending the game out of reach. But Alessandro Campagna scored 10 seconds later, and with :16 on the clock, Massimiliano Ferretti evened things at 11, scoring on a man-up situation.

Only 31 seconds into sudden death, Sergej Iwlew was ejected for the Soviets, and in the ensuing five-on-six situation, Francesco Prozio pumped in the winning goal.

"It was a great match," Dennerlein said afterwards. "I'm so happy about our victory that I don't know what to say. This was a long game, but a nice one."

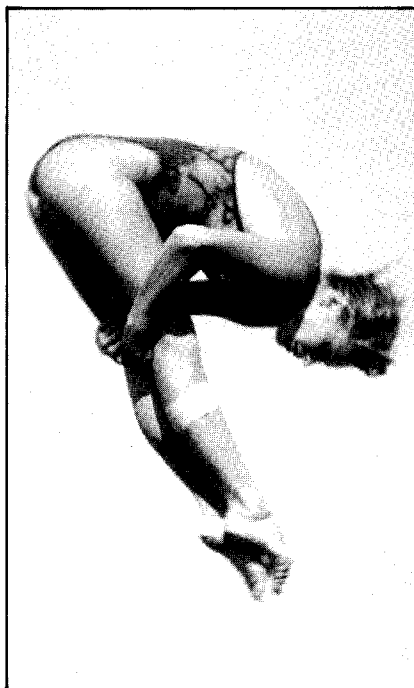
While the final two matches in men's water polo featured upsets, there were no surprises in women's water polo. Fresh from a first-place finish at the FINA Cup, the women's team from Holland breezed through the tournament, beating Hungary in the gold medal game 14-11. That was by far the closest any team came to the Dutch. The next narrowest margin of victory for the team was a nine-point win over West Germany, 13-4.

### Diving

Few names have changed in European diving since the last time around. Of the 1987 European champions in the men's events, both winners repeated this year. In the women's springboard, Marina Babkova, who was second in 1987, moved up to take the gold. Only the women's platform event saw a crop of new faces. None of the top three medalists there were even in the competition two years ago.

Ute Wetzig led the platform list

*Hedda Verdam (opposite, with ball) and the rest of the Holland women's water polo team scored almost at will on all their opponents. The Soviets dominated the diving competition. Inga Afonina (above) was second in the platform.*



(Photos by Mark Muckenfus)

with a convincing win over Soviet Inga Afonina. Wetzig placed sixth in preliminaries which, she said, allowed her to relax a little more in the finals.

"Yesterday (in prelims) I had a lot of pressure," she said. "But after placing sixth, I felt I had nothing to lose today. I was glad I could dive before the divers that placed better than me in prelims."

Wetzig placed second at the junior European championships weeks earlier. She said diving in Bonn was actually easier.

"The competition was not quite as tough here," she said. "But in a way, today it was tougher, because I had to compete with the West German girls." Neither of the West German girls, however, medaled in the event.

After Afonina was Wetzig's fellow countrywoman Jana Eichler, who was competing internationally for the first time.

"I'm very surprised," Eichler, 15, and the youngest diver at the meet, said. "I expected to place in the top six." Asked if she thought she would be a contender at the World Championships in 1991, Eichler said, "It's too early to say. There are two years to come, but maybe, based on my performance of today, I would say yes."

Despite finishing second in her first European Championships, Afonina said she was not satisfied. "Some of my dives were good," she said, "but I made some mistakes, and so I got second."

The Soviets and East Germans completely dominated the women's events, no other country won a medal, with the Soviets taking the top spots in the 3-meter and 1-meter (new to the schedule) springboard. On the 3-meter, Babkova led the entire way, enjoying a comfortable lead through the seventh dive. But on her eighth dive, a reverse 2½ tuck, she received only 5.5s, dropping her to within striking range of East Germany's Brita Baldus. On her ninth dive, Babkova received 6.5s, while Baldus pulled straight 7.0s and moved to within three-hundredths of a point. But on the final dive, Babkova nailed a reverse 1½ with 2½ twists to capture the gold, 514.23-510.72.

Baldus went on to beat Babkova on the 1-meter springboard, but again she wound up with the silver medal as Babkova's teammate Irina Lashko won the gold, leading the field of four after the second dive. Babkova, who collapsed at the diving venue the morning of the competition, came back to place third in the event. Her collapse was blamed on the hot weather.

The Soviets had good luck in the men's platform event as well, taking first and third with East Germany taking the silver. For Georgiy Chogovadze, it was his second straight European title, as he passed Jan Hempel in the standings on the sixth dive and held on to win easily, 639.69-578.43. The win was nearly a replay of the 1987 platform competition. In that event Chogovadze came from behind to overtake Hempel with three dives left.

Hempel took the silver medal without regret.

"When I saw how absolutely perfect Georgiy made his dives today, it was just a matter of defending my silver medal," Hempel said. "I am very happy. Georgiy and I always have hot battles."

Hempel was not the only East German to praise the Soviet champion. "He dived brilliantly," East

## European Championships



(Photo by Mark Muckenfus)

German coach Heiner Rothe said. "The gap between Chogovadze and his contenders was just too great."

"I have never before performed like today," said Chogovadze, obviously thrilled with the win. "I have never celebrated such an impressive victory." He said he is preparing to be a strong contender at the World Championships and what he must work on is mental concentration. "I believe I have a chance to beat the Chinese if I can combine my mental strength with my technique."

In the 3-meter springboard, Albin Killat, fresh from a win at the Europe Cup, successfully defended his title for West Germany. It was the only medal for West Germany, one of only two countries besides East Germany and the Soviet Union to win a medal in diving. The other country was Holland, whose representative, Edwin Jongejans won the 1-meter springboard.

Officials at the meet were pleased on the whole with the initiation of the 1-meter event, and it appears that it will enjoy at least something of a future.

"There is a new challenge in our sport with this event," Uwe Fische, an East German coach, said. "It has been popular for quite some time in America, Australia and China. I hope we can now offer some competition."

### Synchro

Karine Schuler missed a clean sweep by less than two points.

The synchronized swimmer from France was awarded gold medals in the duet and team events in synchronized swimming at the European Championships, but was second to the Soviet Union's Khristina Falasinidi in the solo routine. Falasinidi not only broke the French lock on synchronized swimming—France won gold in all three events in 1987—but also became the Soviet Union's first gold medal winner in the sport.

Not only was she surprised at her accomplishment, but Falasinidi said her teammates and coaches were startled and overjoyed as well. "We were all surprised," she said. "This is our first gold medal at a European Championship."

For Schuler, it was her first international competition in solo routine, and although France has been the dominant European country in the sport, she was pleased with her silvery outcome.

"I was quite pleased to be able to swim here at all," she said. "Muriel Hermine was so strong for such a long time that nobody could endanger her. My competitors had greater experience, but I hope to count myself among the experienced

swimmers shortly."

Schuler scored 182.87 to Falasinidi's 184.56. Switzerland's Karin Singer, here for her swan-song performance, was third with 181.83.

Schuler teamed with Marianne Aeschbacher in the duet competition, and triumphed over the Soviet team of Maria Cherniaeva and Elena Forschevskaia, 182-502-179.970. Third place went to the Swiss team, where Singer teamed with Edith Boss and finished just three tenths (179.652) behind the Soviets.

Schuler said she and her teammate were actually more worried about the Swiss team prior to the competition than about the Soviets. But since they were ahead in the figures scores, they felt confident going into the routine, she said.

Cherniaeva and Forschevskaia received the most enthusiastic crowd response during their routine, and were disappointed not to have done better. But, said Cherniaeva, "We are now content with the silver."

After looking at the duet results, you could almost have forgone the team competition as the outcome, country-wise, was exactly the same. France nudged the Soviets, 180.365-179.945, who, in turn, easily outdistanced the Swiss, 174.080.

"We're very happy about our second successfully defended title," Schuler said. "Our aim now is to get closer to the United States and Japan," the perennial leaders, along with Canada, in the sport.

Contrary to their dissatisfaction following the duet competition, the Soviets claimed they were pleased to have taken second place in the team final. "It was a success for the whole team," Falasinidi said. "We're not disappointed."

For Singer, it completed a sweep of third place and a career.

"My farewell to the international scene was bronzed with three medals," she said. "I am content with the results, but I leave the international scene with a tear in my eyes." □

*East Germany's Ute Wetzlg (above) topped the competition in the women's platform event. It was her first performance at a European Championships.*



# Swim And Deliver

*After a less-than-anticipated performance at Seoul last year, it was time for the Americans to stand up and deliver. From the Pan-Pacifc at Tokyo, their message was delivered first class with four world records in a span of 6½ hours!*

**by Jeff Dimond**

TOKYO, Japan—This whole business of breaking four world records on one day at the 1989 Pan Pacific Swimming Championships in Tokyo's Yoyogi Pool probably started with Brent Lang. Lang drew the unenviable task of telling Mike Barrowman, his University of Michigan teammate, that Great Britain's Nick Gillingham tied the world record in the 200 meter breaststroke in 2:12.90 at the European Championships.

Two days later, Aug. 20, American swimmers had broken four world records in a span of 6½ hours. Not since Aug. 6, 1983 had American swimmers set four world records on the same day. That was when Rick Carey, Steve Lundquist and Matt Gribble broke four world records (Carey did it twice in the 100 back) at the U.S. nationals in Clovis, Calif.

American swimmers have also broken five world records on the same day, but the feat in Tokyo is believed to be the first time that four different swimmers from the same country set world records on the same day in four different individual events.

First, Barrowman shaved his 200 meter breaststroke time during prelims to 2:12.89, then Janet Evans added another moon later that day in finals to her not-of-this-world 800 meter freestyle, touching in 8:16.22. David Wharton erased any bad memories of Seoul with a 2:00.11 in the 200 meter individual medley, and Tom Jager clipped Matt Biondi's 50 meter freestyle mark in 22.12 sec-

*Dave Wharton (above) buried any bad memories of last year's 9th-place Olympic performance in the 200 individual medley by setting a world mark of 2:00.11.*



(Photo by Tim Morse)

onds.

In Barrowman's case, it didn't help matters that the results of the 200 meter breaststroke were late getting to Tokyo from Bonn that day and that he had left the pool thinking that the Europeans had taken the traditional rest day in the middle of the meet.

So, when Lang, accompanied by another Wolverine, Eric Namesnik, got back to the New Takanawa Prince Hotel, they went to Barrowman's room to break the news. "Um, Mike?" Lang said, "I've got to tell you something."

Barrowman broke away from watching CNN—the only English television station available in Tokyo—and looked up.

"What?"

After hesitating, Lang decided the direct approach would be the best. "Gillingham tied your record yesterday, see ya." Outside the closed door

Lang and Namesnik heard Barrowman's first response. It wasn't pretty.

Soon, however, Barrowman emerged from the room with fire in his eyes. "At least he didn't break it," the Rockville, Md., native said.

Then he started the duckwalk, an exercise he does to strengthen his breaststroke kick, followed by the mid-air stroke drills. This continued long after the rest of the team returned to the pool for the evening finals, leaving Barrowman to contemplate his 200 meter breaststroke swim in the next morning's prelims. It turned out to be the perfect psyche job, as Barrowman raced to a new world record of 2:12.89 in the 200 meter breaststroke prelims and re-establish himself as the king of that event.

"I was ready to swim the event last night," Barrowman said after breaking the barrier. "I think I can go faster, and I would like to do it ►"

## Pan-Pacific Championships

tonight. But the pressure is off of me now, so I'll swim first to win and then for a record."

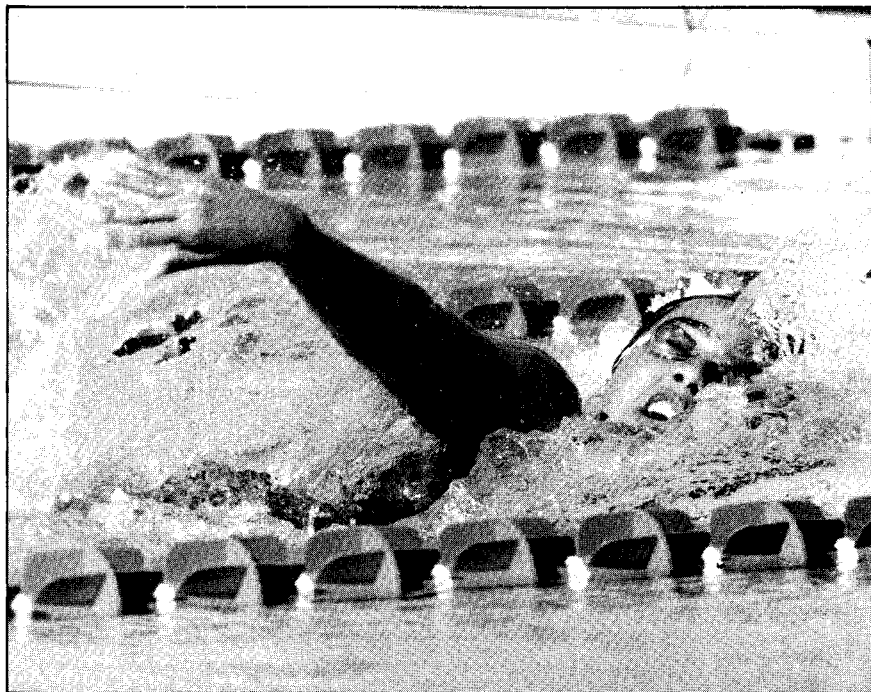
No U.S. team had ever left the site of the 1964 Olympic swimming events without setting at least one world or American record. With the final day of the meet almost done and no record other than the men's and women's 200 meter medley relays set in the meet, the pressure was on. Barrowman's swim in the heats was like the little Dutch boy taking his finger out of the dike.

Sunday night's events were already heated by the intense competitive fires that burn deeply within Evans. The superstar of U.S. Swimming had not lost a race since the 1987 800 meter freestyle at the Pan Pacifics in Brisbane. And now, fired up by her memories of that loss, a large crowd of 8,000, and Barrowman's earlier swim, she set out on an incredible 800 meters of freestyle that brought a normally polite Tokyo crowd to its feet. The crowd, which Evans said "really helped," was spurred on by an impromptu U.S. team cheerleading effort during the race.

After China's Lin Li won the women's 200 meter individual medley in a meet record 2:14.69, Wharton got ready to swim the men's 200 IM. "I was still amazed at Janet's swim," Wharton would say later, "but I wanted to redeem myself for Seoul (where he qualified ninth in the 200 meter IM and was out of the finals)."

When the Warminster, Pa., native touched the halfway point in 57.20 seconds, Dick Shoulberg, the head women's coach of the Pan Pac team and Wharton's coach at Foxcatcher Swim Club, yelled out, "He's really moving, baby. This could be something special."

Indeed it was as Wharton touched the 150 meter point in 1:32.32—12-hundredths faster than Hungary's Tamas Darnyi had swum his world record in Seoul. For the final 50 meters of the race, the American team was on its feet; the Tokyo crowd, again whipped up by the U.S. cheerleaders, got loud and Shoulberg raced for the finish line to hug his protegee. As soon as the clock for lane 4 stopped at 2:00.11,



(Photo by Tim Morse)

Shoulberg was there to repeat his emotional scene from Brisbane with Wharton.

Finally Jager capped off the historical evening by blistering the 50 meter freestyle field in 22.12 seconds. Not only had he gained a bit of revenge for his second-place finish in Seoul, but he had redeemed himself for being disqualified for a false start at the Phillips 66/U.S. Swimming Long Course Nationals in Los Angeles. He also did just what Matt Biondi had told him not to do. "Don't break the 50 free record in Tokyo," Biondi had said to Jager in the post-50 free press conference in L.A.

Barrowman's swim would be the final one of the night. Could the 200 breaststroke record fall again? Could a crowd of 8,000 people witness the fifth world record swim of one day? Barrowman easily got the win, but it came in 2:13.09. The difference of 20-hundredths is about 12 inches in the water. He was on pace for the entire race, but it just wasn't to be.

The U.S. team picked up two more relay wins in the 400 meter medley and returned for the hotel for an end-of-the-meet dance and to prepare to face the Soviets in the Alamo Cup in Atlanta in three days.

But the emotional clock was still running. Darnyi still had a final 200 meter IM in Bonn to swim, and for the next 12 hours the entire American delegation held its collective breath, waiting to hear what the Hungarian's time in the European Championships would be. Surely history would not repeat itself. It was just two years ago that Wharton had broken the world record in the 400 meter IM in Brisbane, only to have Darnyi break it five days later.

Once again it fell to Lang, the man who started the whole thing, to break the news. He walked into the dining room of the hotel where Shoulberg was sitting and said nonchalantly, "Did you hear about Darnyi going two-oh-one in the 200 IM last night?"

With that, Shoulberg—in this order—whooped so loud that he startled the hotel's kitchen staff, almost toppled a glass of water and thrust his fist in the air, yelling, "Yes!"

Not only had history been made; this time it had stuck.

The '89 Pan Pacifics were the first meet for U.S. National Team Director Dennis Pursley, and virtually every swimmer on the team expressed strong confidence that the

## Pan-Pacific Championships

next three years under Pursley's leadership were going to be a great and exciting time for America's swimming efforts.

"I believe strongly in the team concept," Pursley said, "and after a few misunderstandings were solved, the entire group really came together. I couldn't be prouder of a group of swimmers and coaches than I am of this one."

"Those four world records on the last day were as much a team effort as they were individual efforts because of all the support on the sidelines," he said.

But, aside from the world records, there was a lot of good news for U.S. Swimming coming out of the Pan Pacific meet. Much of it came in the form of an American women's team the likes of which haven't been seen since 1978.

Evans is the obvious ringleader of the new wave of women, but behind her are seven 16-year-old standouts in Summer Sanders, Mary Ellen Blanchard, Jenny Thompson, Nicole Haislett, Julie Kole and Jane Skillman.

Evans was the model of consistency as she won the 400 meter individual medley in 4:39.38, claimed the 400 meter freestyle in 4:04.53 (the second fastest time in history) and set a world record in the 800 meter free. She also got to swim on her first U.S. national team relay as she swam the third leg of the 800 meter free relay which set a meet record of 8:03.33. The other swimmers on that relay were Mitzi Kremer, Stacy Cassiday and Kole.

Sanders, of Roseville, Calif., and the California Capital Aquatics, recorded the fastest time in the world up to that point in the 200 meter butterfly with a 2:10.99 prelim swim, and then was second in the 200 meter individual medley in 2:16.09.

*While the fabulous foursome were busy setting world records, including Janet Evans (above) in the 800 free (8:16.22), the USA had other top times as well. Jeff Rouse (opposite) swam a 55.65 100 back relay leadoff to lead the '89 world rankings.*



(Photo by Tim Morse)

Blanchard, who was third in the 100 meter breaststroke in 1:11.08 behind Canada's Keltie Duggan (first, 1:09.79) and Tracey McFarlane (1:09.81), found herself mired in fourth place halfway through the 200 meter breast. But the Norcross, Ga., swimmer used a strong third 50 meters of the race to move into a virtual three-way tie for second with McFarlane and China's Xiaomin Huang.

Down the stretch the three swimmers gained on Canada's Nathalie Giguere, and at the touch Blanchard lunged for the finish—a trick she had picked up in training camp from Barrowman. It paid off as the final results showed Blanchard first in 2:32.02, Giguere second in 2:32.12, McFarlane third in 2:32.13 and Huang fourth in 2:32.15.

Thompson, of Dover, N.H., and Haislett, of St. Petersburg, Fla., woke up the echoes of Jill Sterkel and Sippy Woodhead as Thompson won the 50 meter freestyle in 25.85 seconds, defeating world record holder Wenyi Yang (25.95) and American record holder Leigh Ann Fetter (25.96) in the process. Fetter's prelim swim of 25.72 became the new meet standard. Thompson was fourth in the 200 meter free in 2:01.75.

In the 100 meter freestyle, Thompson was out in 27.08, but had to settle for second in 55.84 as China's Yong Zhuang used a strong second 50 to win it in 55.68. Haislett touched third in 55.99 to mark the first meet since the '84 Olympics that two American women were faster than 56 seconds in the 100 meter freestyle.

Haislett also anchored the 400 meter freestyle relay that missed setting the American record by only 2-tenths of a second and marked the occasion by slamming the touchpad. "Next time, that record is ours," she said after the race. The U.S. relay of Thompson, Julie Cooper, Carrie Steinseifer and Haislett touched in 3:43.63.

In 1986 Kole was the youngest gold medalist at the U.S. Olympic Festival in Houston, Texas. In Japan, the Baltimore, Md., native was second in the 1500 meter freestyle (16:28.25), third in the 800 meter freestyle (8:32.56), was 4:14.68 in the prelims of the 400 meter freestyle and contributed a 2:01.33 anchor leg for the 800 meter freestyle relay.

Skillman, of Princeton, N.J., was the silver medalist in the 400 meter freestyle in 4:11.46 and registered times of 8:43.12 in the 800 meter free and 16:39.53 in the 1500 meter free.

America's "older" backstrokers, Lea Loveless (18), Dede Trimble (19) and Anne Mahoney (18), each medaled in their events. Loveless, with a blazing opening 50 meters (29.81), won the 100 meter back in 1:02.69, with Mahoney and Australia's Nicole Livingstone tied for second in 1:03.52. Trimble claimed the 200 back in 2:13.76 while Loveless, who led at the 100 mark in 1:05.38, faded to fifth and a time of 2:14.81.

Canada's Patty Noall won the 200 meter freestyle in a meet record 2:00.87, while Australia's Janelle Elford won an "Evansless" 1500 meter freestyle in 16:10.58.

Without Mary T. Meagher, the U.S. women found the going a bit rough in the butterfly events. The Chinese duo of Hong Qian (1:00.45) and Xiahong Wang (1:00.81) recorded a 1-2 sweep over Jenna Johnson, third in 1:01.01 and Lori Holmes, fourth in 1:01.29. ►



## Pan-Pacific Championships



(Photo by Tim Morse)

Julia Gorman's 2:11.45 in the 200 fly earned her a silver medal, but Japan's Rie Shito was the victor in 2:11.29 and Wang of China took third in 2:11.55. Pam Minthorn, who had two unshaved times in the 2:13 range this summer, was fourth in 2:12.30.

The U.S. women claimed every relay over the four days of the Pan Pacifics, including a world best 1:53.28 from the 200 meter medley relay of Loveless, McFarlane, Johnson and Fetter on the first night of competition.

Later in the meet, the same U.S. women, with Thompson substituting on the anchor leg, just missed another American record as they clocked 4:09.93 in the 400 meter medley relay.

For the first time in five years, the U.S. national team went to a meet without Matt Biondi. It hardly seemed to matter as the American men won every event except the 400, 800 and 1500 meter freestyles and the 100 meter butterfly in which Surinam's Anthony Nesty pulled his second upset in as many years, out-touching Wade King, 53.80 to 53.86.

Australia's Glen Housman won the 1500 free in 15:06.00 to Lars Jorgensen's 15:14.45. Michael McKenzie, another Aussie, took the 800 meter free in 7:59.99 and was third in the 1500 free. Dan Jorgensen got two silvers, the 800 meter free in 8:01.29 and the 400 meter free in

3:53.85. Canada's Turlough O'Hare won the 400 free in 3:52.89.

Everything else was all red, white and blue. Lang, the town crier of the hotel, won the 100 meter freestyle in 49.56 with Australia's Andrew Baidon second in 50.03 and Doug Gjertsen third in 50.11.

Gjertsen and Jon Olsen gave the United States a 1-2 finish in the 200 meter freestyle with times of 1:49.09 and 1:49.47, respectively. In the morning heats, Gjertsen just missed Biondi's American record with a top qualifying mark of 1:47.97. Canada's Turlough O'Hare was third in 1:50.23.

Melvin Stewart successfully defended his Pan Pacific 200 meter butterfly title in 1:59.40, but the primary challenge didn't come from New Zealand's Anthony Mosse who was third in 2:00.03; rather, it was teammate Dave Wharton, who stayed stroke for stroke with Stewart and finished second just 16-hundredths behind.

For Wharton, it was just a tremendous week. Besides setting a world record in the 200 IM and capturing a silver in the 200 fly, the Warminster, Pa., product dominated the 400 meter individual medley in 4:16.14—just 2-hundredths off his '87 time that stood for five days as a world record. Behind Wharton was Eric Namesnik, who clocked 4:17.02 to become the second fastest American and the world's No. 4 performer

in this race.

Jeff Rouse and Scot Johnson were another gold and silver American pair in the 100 meter backstroke with Rouse touching in 56.34 seconds and Johnson right behind in 56.52. On the record-crazed final night of the meet, Rouse opened the 400 meter medley relay in 55.65 seconds.

Dan Veatch, who only a year ago was seventh in the 200 meter back in Seoul, came out of retirement to win that event in Tokyo in 2:01.27 and establish a new meet record. Canada's Gary Anderson was second (2:02.34) and New Zealand's Olympic bronze medalist Paul Kingsman was third (2:03.14), just outtouching Johnson who was fourth in 2:03.15. The 100 meter breaststroke was an embarrassment of "Riches" for the United States, as Korhammer won the 100 meter breaststroke in 1:02.95 and knocked Rich Schroeder off of the medley relay. The fastest American in the event, however, was Chicago, Ill., native Nelson Diebel, who won the B final in 1:02.68.

In the 200 meter breaststroke, Barrowman won the final in 2:13.09, and Diebel, almost unnoticed in the world record hoopla, chased Barrowman up and down the pool for two minutes, 14.94 seconds and became the second fastest American ever in that event.

A final analysis showed the U.S. team with a commanding lead in the medal count. The U.S. men left town with 29 medals (14-11-4), and the American women won 26 (10-7-9).

Australia, with 17 (3-6-8), was the nearest competitor in total medals, while Canada won 15 (3-5-7) for a third-place finish in the medal count. China showed surprising strength, earning 12 medals (2-5-5), while Japan, New Zealand and Surinam combined for six. □

*It was quite a disappointment for Tom Jager (above) to be disqualified in the 50 free at the U.S. senior nationals in Los Angeles. But he more than made up for it on his second chance by lowering Matt Biondi's world standard to 22.12 seconds.*



# Record Fest At JOs West

*Between NJOs East and West, 17 new regional and national records were set, 12 of them at the West meet.*

**by Sandra Todd**

It seems the talent pool in junior national swimming suddenly has shifted back over to the Missouri side of the Mississippi.

For at least the past three years, the NJO-East meet in both the spring and summer has brought forth more national records and newly qualified senior national swimmers than has the Western event. But this year, all of that changed.

The East could muster only 11 faster winning times in both the women's (five faster) and men's (six faster) events, marking the most dramatic turnaround in junior national swimming in recent history. Five of the 11 swifter times came in relays.

Mecklenburg Aquatic Club of North Carolina pulled off its first-ever NJO-E national team titles August 8-12 at the University of Buffalo, New York, claiming the combined (450) and women's (295) while the MAC men finished third (155) behind repeat champs Swim-Atlanta (330½) and Peddie (245). SwimAtlanta, overall titlists this past spring, had to settle for the runner-up place with 345½ points. The Michiana Marlins claimed third in the combined team race (304½) and second in the women's (295). Rounding out the women's top three scoring teams was Star-Florida, which tallied 158.

After taking second in both the women's and combined categories at the spring meet, the Mecklenburg



(Photo by S.K. Wilson)

swimmers gained some extra confidence in their capability to score high on the national level, said MAC Head Coach Jeff Gaeckle.

"Those were by far our highest-ever finishes as a team at junior nationals," he said. "The kids were really excited about that and I think that performance helped to inspire them to set their goals higher for this summer. This was just one of those meets where, fortunately, everyone seemed to be on and everything shook out just right."

The same held true for the Mission Viejo Nadadores in the West, as the team marched off from the Texas Swim Center with its third consecutive NJO-West team championship and second place in each

the men's and women's divisions. Tualatin Hills, which also took the men's competition (240-211-172) ahead of Mission and Nebraska Aquatics, respectively, was second overall (384), with Industry Hills filling in the top three (325). The Fullerton Aquatics women scored 236 ahead of the Nadadores' 199 for the title, while the contest for third place came down to a three-team battle that ended with the Woodland Swim Team eking it out by a point (171). Industry Hills had 170 and Las Vegas Gold was just another notch behind in fifth with 169.

Between the two meets, a total of 17 regional and national records were set, with the West breaking 12 of them. The tally for national marks was split four each between the men in the West and East, while eight of the nine regional records were set in the West.

Tumbling two of the national records in what ultimately turned out to be a quadruple-gold showing was Nebraska Aquatics' 18-year-old Paul Nelsen. The 6-foot-seven-inch high school senior who will attend the University of Minnesota next year, sped to national records in the 400 IM (4:29.36) and 100 breast (1:04.85), and completed a near-miss in the 200 IM with a 2:06.45, just 2-hundredths short of the junior national and NJO-W record. Nelsen's multiple wins were topped off with the gold in the 200 breast (2:22.04).

Nelsen's coach, Rick Paine, who is also the distance coach at Nebraska, said that both coach and swimmer ideally had preferred to be at senior nationals in Los Angeles, but Nelsen did not reach qualifying times during the course of the summer. His performances at JOs West erase any doubts that he will compete at spring nationals.

"He definitely peaked at the right ►

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**Nebraska Aquatics' Paul Nelsen (above) was the standout performer of both the East and West meets. The 18-year-old claimed four golds individually, setting national marks in the 100 breast and 400 IM. He missed the NJO record in the 200 IM by just .02.**

## Junior Nationals

time," Paine said. "We had hoped for seniors by now, but he just missed making cuts at a senior meet in Texas earlier this summer. I think his edge for junior nationals was his ability to take the pressure well.

"He's got a good attitude about diluting the pressure. He set his goals a little bit slower than what he performed, so I think by doing that he was able to have a lot of fun with

it."

Although Nelsen focused mainly on IM training during the past year—specifically, the longer medley—his and Paine's biggest surprise came when he turned in his record time in the 100 breast.

"We spent a lot more time training for the 400 IM and on butterfly speed training moreso than breast. I was really shocked that he went that

fast," Paine said.

Nelsen quite possibly could have had the national mark in the 200 IM, but as soon as he dove in, his cap slipped halfway up his head and "hung there like a pancake for the rest of the race," said Paine. "Physically, it was definitely a distraction and the drag created by it probably cost him the 2-hundredths. But he put it together anyway and had a good swim."

Other multiple winners in the West men's division included Barracuda Swimming's Chad Rolfs, 17, who won the 50 free with a fast 23.66, missing the regional JO record by just 1-hundredth. Rolfs compensated for missing that standard by taking down the national mark in the 100 free with a 51.55. Additionally, he took the silver in the 200 free and fourth in the 200 IM.

Going the distance for Space City was Kelan Holloway, who dominated the long freestyle events with a gold medal performance in the 800 (8:18.36) and a tough regional record swim in the mile of 15:45.09.

Rounding out the individual double gold medalists was 17-year-old Can Ergenekan. The versatile Tualatin Hills swimmer kept busy with a regional record in the 200 fly (2:03.59), a gold in the 200 back (2:07.54), a silver in the 800 free and a bronze in the 400 free.

Also capturing gold and filling in the final national record of the meet was Scott Hubbard, a 17-year-old from Arden Hills Rancho Arroyo, who got down to business early during his morning swim of the 400 free with a quick 3:57.80 for the record. He later won finals with a 3:58.28.

Garnering valuable relay points for Mesa Aquatics was the quartet of Rusty Pooler, Fort Guerin, Dave Pohlman and Mike McQuitty, which combined to win the 400 free relay (3:33.94) and 400 medley relay (3:57.06).

Despite no national records being set by the women in the West, the competitors were able to put five new regional records on the board.

The only individuals earning two golds each were San Pedro Peninsula Y's Deborah Kory and Woodland Swim Team's Margaret Reece, who

### Comparison of Junior Olympic Records—Men

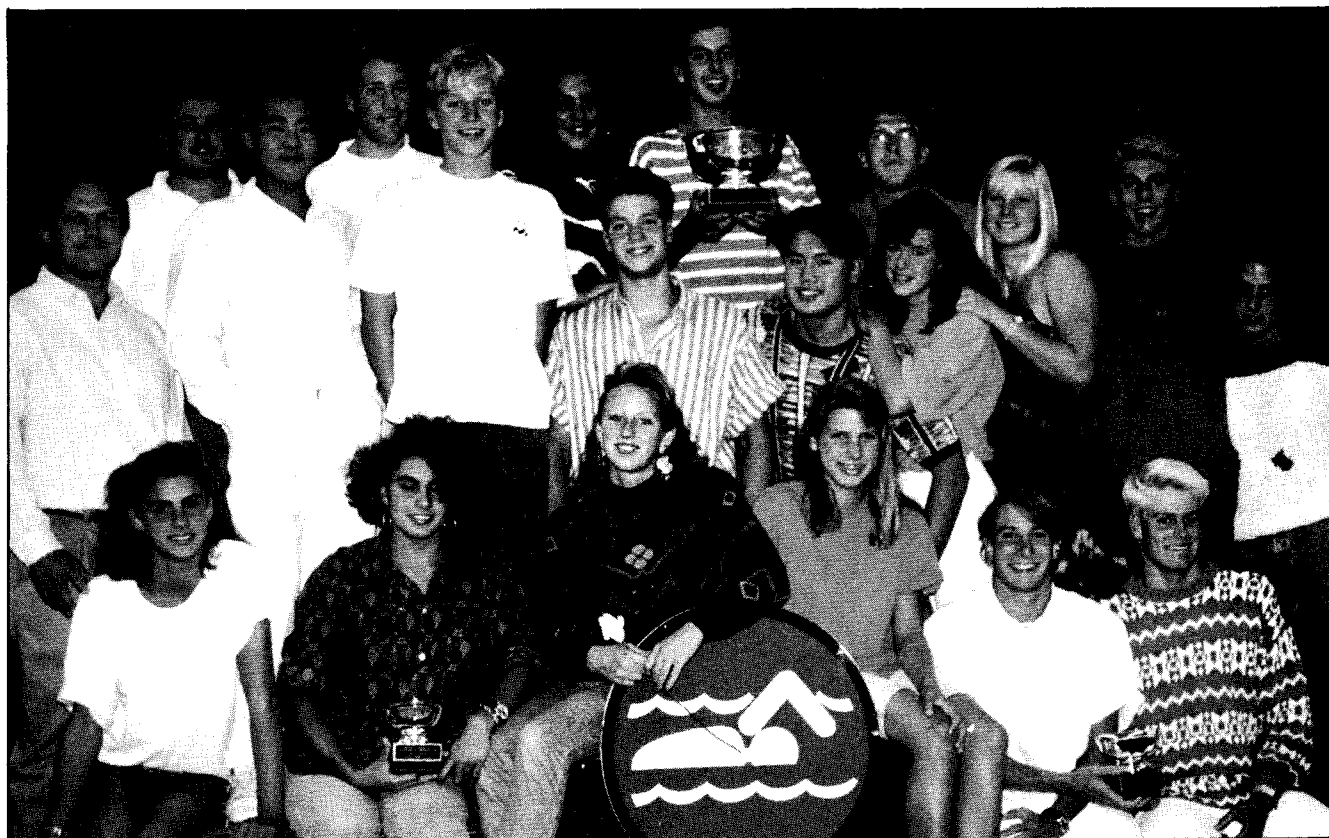
Event	'89 NJO East Champion	NJO East Record	'89 NJO West Champion	NJO West Record
50 Free	Chris Compton Greensboro 23.72	Blaise Matthews West Chester 23.67 (1982)	Chad Rolfs Barracuda 23.66	Doug Dickinson City of Midland 23.65 (1988)
100 Free	Joe Hudepohl Cinci. Pepsi Marlins 51.91	E. Maurer/G. Mihallik Lake Forest/Palatine 51.79 (1988)	Chad Rolfs Barracuda 51.55**	Noel Strauss Little Rock 51.59p (1987)
200 Free	Alec Mull Spartan 1:53.74	John Kennedy Jersey Gators 1:52.18 (1988)	Brian Retterer Reno 1:52.97	Scott Hubbard Arden Hills 1:51.64 (1988)
400 Free	Brian Barnes Michiana Marlins 4:03.26	Mark Kolman Wilmington 3:58.78 (1988)	Scott Hubbard Arden Hills 3:57.80p**	Chad Hudebey Irvine Nova 4:00.87 (1986)
800 Free	Brian Barnes Michiana Marlins 8:22.50	Alex Kostich Bernal's Gator 8:12.04 (1985)	Kelan Holloway Space City 8:18.36	Mike Hlinka Simi Valley 8:14.08 (1983)
1500 Free	Sean Gowrie Phoenix 15:58.71	Rob Darzynkiewicz Badger 15:42.82 (1988)	Kelan Holloway Space City 15:45.09*	Chad Hudebey Irvine Nova 15:48.71 (1986)
100 Back	Robert Brewer Tara Tarpons 58.25**	Jeff Rouse Quantico 58.30 (1985)	Andy Kurtz ABC 58.76*	John Green Omaha Suburban 58.86 (1986)
200 Back	James Wells Peddie 2:05.35**	Peter Cicale Marist 2:06.13 (1988)	Can Ergenekan Tualatin Hills 2:07.54	Trip Zedlitz Kerr-McGee 2:06.86p (1988)
100 Breast	Matt Monaghan Marauders 1:06.54	Michael Haynes North Baltimore 1:05.16 (1988)	Paul Nelsen Nebraska 1:04.85**	Victor Wales Santa Barbara 1:05.23 (1988)
200 Breast	Eric Jones Seacoast 2:24.08	Nelson Diebel Peddie 2:21.53 (1987)	Paul Nelsen Nebraska 2:22.04	Erik Colwill West Valley 2:20.27 (1988)
100 Fly	Ray Carey Bernal's Gators 56.19	Lance Robertson Brevard 55.26 (1985)	Casey Hall Industry Hills 56.34	Alan Lake Fort Worth W.W. 55.86 (1988)
200 Fly	Mike Merrell Mecklenburg 2:03.76	Brian Gunn Hinsdale 2:01.08 (1988)	Can Ergenekan Tualatin Hills 2:03.59*	Mike Johnson Des Moines 2:03.76 (1986)
200 IM	Jonathan Jennings SwimAtlanta 2:07.19*	Steven Leissner Lake Forest 2:07.23p (1988)	Paul Nelsen Nebraska 2:06.45	Victor Wales Santa Barbara 2:06.43 (1988)
400 IM	Jeb Slowik Peddie 4:33.15	Kris Habi Badger 4:29.54 (1988)	Paul Nelsen Nebraska 4:29.36**	Andy Lloyd Chinook 4:31.02 (1986)
400 MR	SwimAtlanta 3:53.77**	Pine Crest 3:55.52 (1985)	Mesa 3:57.06	Tualatin Hills 3:56.34 (1988)
400 FR	SwimAtlanta 3:29.69**	Pine Crest 3:30.10 (1987)	Mesa 3:33.94	Industry Hills 3:31.94 (1988)
800 FR	SwimAtlanta 7:46.18	Pine Crest 7:38.51 (1988)	The Woodlands 7:48.22	Industry Hills 7:46.56 (1988)

\*\* National NJO Record

\* Regional NJO Record

Note: The NJO East record is also the national NJO record in all events except for the 50-100-200-400 frees, 100-200 breast and 200-400 IM.

## Junior Nationals



(Photo by S.K. Wilson)

dominated the breaststrokes and butterflys, respectively.

Kory, a lanky 15-year-old, stroked to a record 2:38.78 in the 200 breast and added her other win in the shorter breaststroke (1:13.96). Reece claimed the flys in 1:03.89 and 2:18.26.

Mission Viejo's Lorenza Munoz, 18, and teammate Natasha Kohne, 15, went 1-2 in the 400 IM, with Munoz repeating her spring title in the event with the bonus of a West record, 4:56.90. Both Nadadores joined on the MVN 800 free relay to take first in 8:29.42 along with Cindy Wold and Lisa Jacob.

The final three West records were set by: Mary Edwards, 17, of the Solo Swim Club, who went 1:05.12 in the 100 back; Industry Hills'



(Photo by S.K. Wilson)

*The Mission Viejo Nadadores (top) won their third-straight combined junior national title in the West, while San Pedro's Deborah Kory (bottom) commanded the women's breaststroke events, setting an NJO-West record in the 200 (2:38.78).*

Natalie Norberg, 15, who turned in a 2:19.36 to win the 200 back; and the Tualatin Hills foursome of Pilar Tyson, Lisa Urban, Marsha Trachi and Ronda Lusty, which combined to win the 400 medley relay in

4:26.10.

The women's competition in the East showcased neither national nor regional records, however, much young talent and depth among the swimmers bode well for the future.

Mecklenburg's Heather Blackmon, 15, was the closest to becoming a multiple winner of the women in the East. During the course of the week, she was awarded four silver medals, missing gold in all four of her swims by a cumulative total of .75 seconds. Gaeckle, her coach, was impressed by the fact that she was beaten by four different swimmers: Tina Hinton of Decatur in the 50 (26.69-26.81); Jennifer Berger, 16, of the Michiana Marlins (58.35-58.45) in the 100 free; Megan Kleine, 14, of Brookhill (1:13.46-1:13.84) in 100 breast; and Darby Chang, 13, from Old Dominion (2:22.62-2:22.77) in 200 IM.

Blackmon was a member of Mecklenburg's two top relays, combining with Jamie Sorrentino, Susie Gill and Amy Klein in the 400 medley relay (4:25.68), and with Klein, Beth Rillema and Trish McHardy—who also was an individual winner in the

## Junior Nationals

200 free (2:06.27)—to win the 400 free relay (3:56.90). Both times were faster than the winning relay times at NJO-West.

Only three other gold medalists were faster than the West swimmers: Hinton in the 50; Brookhill's Megan Kleine, 14, in the 100 breast (1:13.46); and Somerset Valley's Mary Ellen Dwane, 17, in the 100 fly (1:02.97).

The remaining event winners were: Berger, winner of the 100 free, who also combined with teammates Karen Barnes, 17,—winner of the 800 free (8:58.55)—Bonnie Schrems and Lisa Rhodes to take top honors in the 800 free relay (8:33.37); Dynamo's Michelle Reed, 17, in the 400 freestyle (4:20.75); Mimosa Mc Nerney, 15, of Badger in the mile (17:04.80); Wilmington's Melissa

Dalrymple, 15, in the 100 back (1:05.55); Julie Weaver, 16, of Olympia Athletic in the 200 back (2:20.84); North Baltimore's Brandy Wood, 15, in 200 breast (2:38.98); Ashli Gaines, 17, of Greenville Gator in 200 fly (2:20.36); and Pine Crest's Hillary Krug in 400 IM (5:00.94).

On the men's side of the East, four national and one regional record highlighted the week in Buffalo, especially for repeat titlists Swim-Atlanta. Winning all three relays, two in national record time, Swim-Atlanta demonstrated what relay points can do for a team. Led by 18-year-old Jonathan Jennings, the winner and regional record setter in the 200 IM (2:07.19), the team of Max Dersch, Clay Tippins and Rob Hudock turned in a national record 3:53.77 in the 400 MR. A 3:29.69 earned Tippins, Alain Sergile, Jennings and Hudock the gold and another national mark in the 400 FR. Finally, Tippins, Hudock, Matthew Stansbury and Sergile joined for a gold-medal 7:46.18 in the 800 FR.

A couple of 15-year-olds turned in impressive times in the backstrokes, both for new national standards. Peddie Aquatics' James Wells first won the 200 back in 2:05.35. Two days later, Robert Brewer of the Tara Tarpons went 58.25 in the 100 back. Wells also completed bronze-medal swims in the 200 and 400 frees, and took fifth in the sprint back. Brewer was seventh in the longer back. Another 15-year-old, Joe Hudepohl of the Cincinnati Pepsi Marlins, won the 100 free (51.91) and took the bronze in the 50.

The only double winner on the men's side was the Michiana Marlins' Brian Barnes. The 16-year-old took the 400 free by 14-hundredths (4:03.26) over Phoenix Aquatics' Sean Gowrie, winner of the mile (15:58.71). Barnes also won the 800 free in 8:22.50.

Ray Carey, 16, of Bernal's Gator, performed the only other time of the men's meet that surpassed a champion's time in the same event in the West. The 16-year-old, who took the bronze in the 200 fly at senior nationals in Los Angeles at 2:00, flew to a 56.19 for the gold. □

### Comparison of Junior Olympic Records—Women

Event	'89 NJO East Champion	NJO East Record	'89 NJO West Champion	NJO West Record
50 Free	Tina Hinton Decatur 26.69	Grace Cornelius Suburban 26.53 (1985)	Alison Terry Heartland 26.78	Erika Bass Mach III Flyers 26.60 (1988)
100 Free	Jennifer Berger Michiana Marlins 58.35	Ashley Tappin Brandon Blue Wave 57.29 (1988)	Wendy Cuthbert City of Plano 58.26	Marti Robinson Buena 57.00 (1984)
200 Free	Trish McHardy Mecklenburg 2:06.27	Yvette Robling Anderson 2:03.14 (1988)	Megan Oesting Chinook 2:04.47	Cheryl Simmons Las Vegas Y 2:03.89 (1985)
400 Free	Michelle Reed Dynamo 4:20.75	Jane Skillman Peddie 4:17.86 (1988)	Kim Martin Fullerton 4:19.62	Cheryl Simmons Las Vegas Y 4:18.50 (1985)
800 Free	Karen Barnes Michiana Marlins 8:58.55	Heather Gibbons Central Jersey 8:45.74 (1988)	Christine Otto Golden West 8:52.49	Laurie Jacobson Las Vegas Gold 8:48.98 (1988)
1500 Free	Mimosa Mc Nerney Badger 17:04.80	Jane Coontz Evansville, S.C. 16:48.04 (1980)	Karin Crowley Woodland 17:03.08	Laurie Jacobson Las Vegas Gold 16:50.10 (1988)
100 Back	Melissa Dalrymple Wilmington 1:05.55	Heather Ray North Baltimore 1:04.44 (1988)	Mary Edwards Solo 1:05.12*	Heather Welch Nebraska 1:05.17 (1988)
200 Back	Julie Weaver Olympia 2:20.84	Nathalie Wunderlich Berkeley 2:18.23 (1988)	Natalie Norberg Industry Hills 2:19.36*	Kristina Stinson Space City 2:19.64 (1988)
100 Breast	Megan Kleine Brookhill 1:13.46	Brooke Hanley Sharks 1:13.15 (1985)	Deborah Kory San Pedro YMCA 1:13.96	Michelle Couture Sugar Creek 1:13.48 (1988)
200 Breast	Brandy Wood North Baltimore 2:38.98	Tricia Tyner Carmel 2:37.39 (1988)	Deborah Kory San Pedro YMCA 2:38.78*	Andrea Ciro Cypress-Fairbanks 2:40.26 (1986)
100 Fly	Mary Ellen Dwane Somerset Valley 1:02.97	Barb Pranger Coho 1:02.39 (1987)	Margaret Reece Woodland 1:03.89	Andrea Niedermeyer City of Plano 1:02.90 (1988)
200 Fly	Ashli Gaines Greenville Gator 2:20.36	Angie Fariss Roanoke Valley 2:15.65 (1988)	Margaret Reece Woodland 2:18.26	Sue Bartholomew Beach 2:17.11 (1984)
200 IM	Darby Chang Old Dominion 2:22.62	Becky Bruch Coho 2:20.29 (1988)	Katy Lukens Las Vegas Gold 2:22.37	Sheila Conway Clayton Shaw Park 2:21.24 (1988)
400 IM	Hillary Krug Pine Crest 5:00.94	Heather Ray North Baltimore 4:55.77 (1988)	Lorenza Munoz Mission Viejo 4:56.90*	Heather Reagan Click Tucson 4:59.33 (1988)
400 MR	Mecklenburg 4:25.68	Pine Crest 4:25.00 (1985)	Tualatin Hills 4:26.10*	Clayton Shaw Park 4:26.53 (1988)
400 FR	Mecklenburg 3:56.90	SwimAtlanta 3:56.39 (1985)	Southern California 3:58.83	Mission Viejo 3:57.06 (1988)
800 FR	Michiana Marlins 8:33.37	Peddie 8:27.77 (1988)	Mission Viejo 8:29.42	Mission Viejo 8:29.29 (1988)

\*\* National NJO Record

\* Regional NJO Record

Note: The NJO-East record is also the national NJO record in all events except for the 100 free.



# Americans Don't Lag

*The U.S. swimming team overcame a long trip from Japan to crush the Soviet Union in their first dual since 1982.*

**by Russ Ewald**

ATLANTA, Ga.—After the warmup swims on the second day of the USA-USSR dual meet Aug. 24-26 at Emory University, the U.S. women grabbed some towels and started waving them to lead the sell-out crowd of 800 in a U-S-A spellout and hand clap.

All during the three-day meet, the national team resembled a college squad with its spirit. It is part of the new direction of Dennis Pursley who was chosen to lead the U.S. program after last year's disappointing performance in the Olympics.

"We shifted our focus from how fast we wanted to swim to team unity," said Pursley following the meet where the U.S. team beat the Soviet Union, 201-136. "On down the road, the performances will come."

After the nationals the first week of August, the U.S. team went to a training camp in Guam to prepare for the Pan Pacific Championships in Tokyo the week prior to the dual meet. Last year, the national team worked out in Hawaii prior to the Olympics. Besides a different location, Pursley instituted a more disciplined, one-for-all, all-for-one approach and split the team, appointing 1984 Olympic coach Don Gambriel men's coach and Dick Shoulberg women's coach. The female swimmers were forced to stay in their rooms for an afternoon period to ensure them getting rest.

"Our camp started out real shaky," Pursley admitted. "There had been a loose structure in the past. We all thought in the past that to be loose and let people be individuals was the way. It was the social trend. But we haven't done well in previous years and decided to take a tighter structure."

The early returns are favorable for the new leadership. The team set four world records the final night of

the Pan Pacifics. Overall, U.S. swimmers improved their performances from nationals 31 out of 56 swims. At last year's Olympics, only Janet Evans, Matt Biondi and Chris Jacobs had better times in the finals than at the U.S. trials.

"In 1987 and last year, the big thing was to make the team," said Evans. "Dennis makes the point that you should swim fast again (at the international meet). On our overseas trip, swimming was the priority."

Evans doesn't mean this as a criticism of Olympic coach Richard Quick, whom she will swim under this fall at Stanford.

"I think the position is better," she said, meaning Pursley is in charge of the U.S. national program fulltime. Quick also had his duties as a college coach.

Only a couple of U.S. team members swam their fastest times of the season against the Soviets, but there were a number of factors working against good performances in the dual meet.

Most significantly, the U.S. team arrived just three days before the meet following a trip halfway around the world from Japan. The swimmers found themselves waking up during the night and dozing at afternoon workouts. Noting a starting time of 7 for the opening night of competition, Mitzi Kremer remarked: "This should be interesting. Most of our team is falling asleep by 8:30."

There was no warmup pool at the Emory facility and the competition pool was only four feet deep in the shallow end.

The dual competition didn't figure to be close anyway. No nation has the depth to match the U.S. swimmers in a dual meet. The Soviets, while usually third in the medal counts at major meets behind the German Democratic Republic and

USA, faced the Americans five times previously—the last in 1982—with the closest score a 203-141 U.S. win in Kiev in 1981. This Soviet squad was little better off physically than the U.S. team, having competed the previous week at the European Championships in Bonn, West Germany.

Nevertheless, none of these obstacles stopped Mike Barrowman, the hottest U.S. swimmer. Barrowman, who set a world record at the nationals (2:12.90) and again at the Pan Pacifics (2:12.89) in the 200 meter breaststroke, won his specialty against the Soviets in 2:13.25 to earn the Performance of the Meet award. It was the fourth time in the month that the University of Michigan junior went under the old world mark of 2:13.34 that had lasted for five years.

Certainly, mastering the "wave-action" stroke taught by Jozsef Nagy is most responsible for the 20-year-old breaststroker's tremendous improvement this year after placing only fourth at the Olympics. But Barrowman felt the new enthusiasm on the national team played a role in his success.

"The team here is close," he said. "I really felt people wanted me to swim fast. I had people come up and encourage me before my race. The members of this team want to be the best in the world like '76."

"I originally thought all that team stuff was old-fashioned. This meet has changed my mind. Dennis Pursley is the biggest reason. He's showed me a better way. If someone is an extremely authoritative figure and a tough leader 100 percent of the time, you have a feeling of power from that leader."

For Barrowman, the Olympic dream turned into more like a nightmare a year ago. "I did not enjoy the ►

## USA-URS Dual Meet

experience at all," he stated. "The team was a bunch of individuals. Maybe it was because we were together so long. If you're with each other that much, I don't care if you're a bunch of saints, you begin to have differences. Nobody wanted to do things together."

Wade King didn't qualify for the past Olympics, but he might make the next one the way he's improving. The 22-year-old South Carolina graduate beat the Soviets in the 100 butterfly with a personal best of 53.71, the second-fastest time in the world this year and better than the winning performance at either the European or Pan Pacific meets.

Jet lag posed no problem to King, who said, "It's mostly mental. If you want to let the traveling and swimming three meets in a month get to you, it will be a detriment. If you go in positive, there's no reason you can't do your best."

While the Soviets never challenged the U.S. team in the overall scoring race, the competition between the men's squads remained tight through much of the meet. The visitors captured the opening two events with Olympic bronze medalist Dimitriy Volkov taking the 100 breaststroke in 1:01.96 and ex-world record holder Sergey Zabolotnov following with a 2:01.88 victory in the 200 backstroke. Igor Polianskiy, the Olympic gold medalist in the 200 back, chose not to make the trip with the Soviet team.

Only a strong closing rush by Doug Gjertsen got the Americans a victory in the 200 freestyle. Gjertsen edged Veniamin Tajanovich, 1:49.68 to 1:49.78. It was no contest in the 400 individual medley, though, as Dave Wharton was ahead of his American-record splits for two legs (57.06-57.80, 2:04.79-2:05.49) before tiring. He won in 4:18.75 with Eric Namesnik second (4:21.00) for a U.S. sweep.

However, the Soviets came back to take a 31-29 lead at the end of the first day with a stunning upset in the 400 free relay. Vladimir Tkacenko and Alex Borislavskiy went under 50 seconds on the middle legs to get their team the lead and Yury Bashkatov held on for a 3:19.95 win. The Americans finished in 3:20.44 as

neither Jon Olsen, Doug Boyd or Gjertsen broke 50 after Brent Lang got ahead with a 50.01 leadoff.

"The Russians had never beaten us in a relay," moaned Ray Essick, executive director of U.S. Swimming.

Far more significant, a U.S. national team had never lost a men's 400 free relay in a major long course competition, such as the Olympics, World Championships, Pan Pacifics or dual meets.

The Americans definitely needed a lift the second day and got one when local boy Gjertsen, from Dunwoody, Ga., and an ex-member of SwimAtlanta, moved up to the 400 freestyle and edged the Soviet Union's Alexander Gaidukevich with a personal-best 3:54.48. U.S. national champion Dan Jorgensen, battling the flu, placed only fifth. King then made it two straight U.S. victories with his fleet 100 fly.

Tkacenko and Zabolotnov, the only competitors to have also swum in the last USA-USSR dual in 1982, narrowed the American margin with back-to-back victories. European champion Tkacenko, 24, came from behind to nip the USA's Steve Crocker in the 50 in 22.67—another shocking upset since the Americans had never lost a 50 going back to when it became an international event in 1986. World record holder Tom Jager passed up the meet because he couldn't afford to miss any more time off his job. The 26-year-old Zabolotnov, second in the 100 backstroke (56.45) at the European meet held outdoors, found the indoor pool here more to his liking and blazed to a 56.08 win to complete a back double. Only the USA's Jeff Rouse, who was second in 56.31, has gone faster this year with a 55.65 relay leg in Tokyo.

The 200 IM, which concluded men's action the second day, matched Wharton, coming off a world record (2:00.11) in Tokyo, against Soviet Vadim Yaroshuk, Olympic bronze medalist. The American standout got out ahead of his record pace on butterfly (26.08-26.15) but couldn't maintain it and won in 2:01.64 for an IM double. Yaroshuk, who has trained less seriously this year, was never a factor and finished third

(2:04.38) behind the USA's Kar-nough (2:03.20). That sweep extended the lead to 61-54 for the U.S. men at the end of the second day.

The final day proved easier for the Americans. With Olympic gold medalist Vladimir Salnikov at the meet as head coach of the Soviet team instead of as a competitor, the 1500 became a U.S. victory for once. Lars Jorgensen still had a battle on his hands from the Soviet's Gaidukevich, who led the opening 500 meters. Jorgensen then assumed command and withstood a late challenge to win in 15:21.71. Gaidukevich, 21, had a personal-best 15:23.00 in placing second. A 1-2 finish in the 200 butterfly by Melvin Stewart (1:58.94) and Wharton (1:59.67) clinched the men's competition for the U.S. team which won the other two individual events with Lang going 50.03 in the 100 freestyle and Barrowman routing the opposition in the 200 breast.

A disqualification of the U.S. team in the final-event 400 medley relay made the final score in the men's competition, 91-78. The American team finished ahead of the Soviets, 3:40.23 to 3:41.65, but lost because of an illegal turn charged to breast-stroker Rich Korhammer.

The women's competition was cut and dried. Soviet swimmers swept the breaststrokes and the Americans swept everything else.

Janet Evans led the U.S. women with a triple, extending her unbeaten streak to 26 consecutive races at major long course meets that dates back to the 1987 Pan Pacifics. Although her winning times were slower than in Tokyo, she went faster than anyone else has this year in the 400 IM (4:41.23) and better than every swimmer except the GDR's Anke Mohring in the 400 (4:06.97) and 800 (8:24.73) freestyles. On the second day, Evans

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*Mike Barrowman (opposite page, above) now owns 4 of the 5 fastest performances of all time and 6 of the top 9 in the 200 meter breaststroke, following his 2:13.25 victory against the Soviets. Barrowman's barrage beat the old record four times.*

## USA-URS Dual Meet



Photo by Tim Morse

tried vainly to attack the world record in the 400 (4:03.85) and was under her record splits the opening half (59.93-59.99, 2:02.03-2:02.14) before fading badly the third 100.

"I just decided to take it out and try to hold on," said Evans. "If I went out slow, I wouldn't be able to pick up the pace."

Although Evans described the trip from Tokyo as "feeling like I was in a plane for a week," she didn't blame the slower performances on exhaustion. Rather, because of the three meets so close together, she said, "I think we lost a lot of conditioning, especially the distance swimmers."

In the rest of the victories, the U.S. women shared honors with none capturing more than one race.

Just as King in the men's competition, Mitzi Kremer proved the exception to the rule among the American gals by taking the 200 free in a time faster than the winning performance at either the U.S. nationals or Pan Pacifics. Her 2:00.47 ranked Kremer sixth in the world this year behind five Europeans.

"I don't feel so bogged down," explained Kremer. "I like swimming for a team again. It's like college. It's easier getting up and pushing yourself for a team than for yourself."

"We are swimming together as a team. There's no in-fighting. We're helping each other. That's the big difference."

Summer Sanders, just 16, turned in another impressive performance in the 200 butterfly with a 2:11.69

victory. In Tokyo, the youngster from Roseville, Calif., had gone 2:10.99 for the fastest clocking by an American other than Mary T. Meagher since 1986. Sanders only took up the 200 fly because of the new event order at nationals which put the IMs and breaststrokes on the same day. She swam it for the first time at a nationals last March.

There were some competitive races between Americans. After two false starts in the 100 free, U.S. national champion Haislett used her patented late charge to catch Jenny Thompson and the two touched simultaneously at the finish in 56.56. In the 200 IM, Mary Ellen Blanchard utilized her strong breaststroke to get ahead and edged Sanders, 2:16.65 to 2:16.94. Blanchard, like Gjertsen, is from the Atlanta area and enjoyed extra boisterous support from the sellout crowds during the three days. The 50 saw U.S. champion Leigh Ann Fetter avenge a defeat by Thompson in Tokyo, winning 25.88 to 26.18.

Pan Pacific champions Lea Lovelless and Dede Trimble repeated victories in the 100 (1:03.18) and 200 (2:14.87) backstrokes, respectively.

Jenna Johnson, at 21 the oldest of a young U.S. women's team, took the 100 butterfly in 1:00.65.

The Soviet women were just as young as the Americans with an average age of 18. The team was without its leading swimmer, Elena Dendeberova, who decided to take a year off after collecting the 200 IM

silver medal at the Olympics. Natalia Shibaeva, out of action last year while having a baby, was back but not in near the form that got her third in the 100 back at the 1986 World Championships. Apparently, Mother Russia no longer is foremost under the new regime in the Soviet Union.

But some things never change, such as the tradition of a strong Soviet breaststroke corps. Elena Volkova led USSR sweeps with a season-best 1:10.07 in the 100 breast and 2:30.67 in the 200 breast.

"In the Soviet Union, there are more competitors and more competitions in that stroke," explained Volkova, 21. "The breaststroke winners of the past like (Olympic champ) Marina Koshevaia, Julia Bogdanova and Svetlana Varganova (all past world record holders) teach the current swimmers."

Pursley is hoping to instill that type of winning tradition throughout the U.S. program. He was satisfied with the results at the dual meet but will continue investigating ways to improve the performances.

"I'm probably more proud of what they did in this meet than Tokyo," he said. "Ideally, you like to train and peak for one main event. To try to do it a third time around . . . usually you're lucky if you can hit the mark once. I was real concerned that this could have been a disaster. But they decided to get the job done."

Pursley doesn't claim to have all the answers. He added: "There is still room for disagreements. It's never 100 percent, and we're all going to make mistakes. But if the unity is there, we can overcome them. We've progressed dramatically as far as scientific and coaching education is concerned. But we kind of neglected some basic factors like motivation and team orientation."

Butterfly standout Stewart summed up the new attitude: "Usually, we start off well (at a meet) and get worse. Now, we build our momentum. I didn't feel like we were much of a team last year. This team is pulling together. It's nice to have a world record holder at the side of the pool yelling for you. It's like the song, 'Lean on Me.' " □

## Unity And Focus

Times have changed in competitive swimming. Gone forever are the days when we could wait until March of the Olympic year, after the NCAA Championships, to focus on Olympic competition and expect to be successful. This is why our most basic quadrennial objective is to "unite behind a strategy focused on Olympic success and to evaluate everything in light of its impact on Olympic performance."



As you read this, your opponents are already preparing for 1992. Since September of last year, their planning, training (mental and physical), competition program and even their personal lives have all been focused on success in Barcelona.

Fortunately, many aspects of our normal routine are compatible with this objective. But those that aren't must be changed if we are going to be satisfied with our effort in 1992.

Even more important than the approach that we take in preparation for Barcelona is the extent to which we unite behind and support that approach. No program will succeed at this level unless it is fully supported.

We have to be willing to support the aspects of the national team program that don't suit our personal preferences as well as those that do. It is this unconditional support and unity that distinguishes successful teams from those that fail.

Those who say that swimming is not a team sport and that a team approach is not appropriate are missing out on one of the most powerful and rewarding aspects of participation. With team support, most of us can more successfully deal with the many challenges, obstacles and frustrations that stand between us and Olympic success.

Competing for team goals provides double the incentives and double the rewards that individual goals

can offer alone. In a spirited team atmosphere, most of us can more easily perform up to the best of our ability. These are the things that set the USA apart from the rest of the world a few years ago.

Other nations have learned from our example, and in some cases, have "beaten us at our own game." In the competitive world of swimming today, we are faced with the challenge to respond with a higher level of unity, support and spirit than ever before. If we meet this challenge, our experience in Barcelona will be one of the most rewarding and thrilling of a lifetime.

There are only three years remaining before the next Olympic Games in Barcelona. Following is the USS National Team quadrennial plan:

### 1989-90

**October**  
20-23 Training Camp  
27-30 "B" Team Camp  
**November**  
18-22 Jr. Team Camp  
**December**  
3-5 U.S. Open  
**January**  
5-7 International Meet—Perth  
**March**  
19-23 Nationals/Goodwill Games Trials  
**May**  
26-28\* Optional Competition  
**June**  
10-30 Optional Altitude Camp  
**July**  
21-24 Goodwill Games/World Champs. Trials  
29-3 Nationals/World Champs. Trials  
**August**  
9-12 LEN Competition—Rome  
TBD Training Camp

### 1990-91

**October**  
19-22 National Team Training Camp  
**November**  
30-2\* U.S. Open  
**December**  
22 Depart for Perth and FINA World Champs. (Pan Pac and Pan Am Trials)  
**January**  
7-13 FINA World Championships  
**March**  
17-22 Nationals (LC)/Pan Pac, Pan Am Trials  
**May**  
25-27\* Optional Competition  
**June**  
16-7\* Optional Altitude Camp  
**July**  
29-2 Nationals/Pan Pac, Pan Am Trials  
**August**  
5-8\* Pan Pacifics  
11-17 Pan American Games

### 1991-92

**October**  
13-20\* Training Camp  
**November**  
29-1\* U.S. Open  
**January**  
17-19\* Optional Competition  
**February**  
14-16\* Optional Competition  
**March**  
1-6 Olympic Trials  
**April**  
5-18 Training Camp—Barcelona  
**May**  
17-22 Training Camp  
23-25 Competition  
(Olympians compete as USA team)  
**June**  
8-30 Altitude Training Camp (Optional)  
12-14 Optional Competition  
**July**  
3-5 Competition  
(Olympians compete as USA team)  
6 Depart for Barcelona  
26-31 Olympic Swimming  
**August**  
10-14 National Championships  
\* Tentative Dates

The 1989 U.S. Open Meet, to be held December 3-5 in Orlando, Fla., has been designated a World Cup event and will feature many of the world's best swimmers. Already committed to the meet are the GDR, Soviet Union, West Germany, Great Britain and Italy. We encourage all of our national level coaches and athletes to participate.

The Technical Swimming Committee of FINA has recommended to the Bureau that the 10 meter limit for underwater dolphin kick on the backstroke be extended to 25 meters (off of the start and turns).

The Bureau will usually approve the recommendations of the TSC. However, this item will not be reviewed until January 1991, so we have to live with it until then.

Looking ahead to Barcelona, it will obviously be in our best interest to continue to identify and develop the underwater kicking skill. But until the rule is changed, our backstrokers have to be equally effective at the traditional surface backstroke.

During this period, only performances conforming to the 10 meter rule will be eligible for selection to USA national teams for international competition. □

#### About the Author

Dennis Pursley is United States Swimming's national team director.



## Veterans Rule Outdoor Nationals

You can't beat experience.

At least, that seems to be the prevailing trend in United States diving.

Although four-time gold medalist Greg Louganis finally retired after last year's Olympics at age 29 and two-time silver medalist Michele Mitchell called it quits following Seoul at 26, veteran competitors still dominated the U.S. nationals.

Wendy Lucero and Kent Ferguson, both 26, swept the springboard events, while Wendy Wyland, 24, and Matt Scoggin, another 26-year-old, took the platform competition at the Phillips 66/U.S. Diving Outdoor Championships Aug. 16-19 at Raleigh, N.C.

Lucero became the first diver ever to win two titles the same day when she captured the rain-delayed 1-meter event one morning and the 3-meter that afternoon. The former NCAA champion at Southern Illinois scored consistently in the 7-8 range to take both events easily with scores of 472.05 and 502.77. Defending champions Julie Farrell and Kelly McCormick were second with 444.24 and 468.15 in the 1- and 3-meter events, respectively.

"I went back to the hotel after the 1-meter event to rest," said Lucero. "I was yawning a lot during the 3-meter at the start. I guess it had a mesmerizing effect, which was probably good."

Because of lack of funds, Lucero originally planned on the nationals being the last meet of her career. But the Aurora, Colo., resident got in contact with a sponsor who read about her in a *Denver Post* article. She trains only sporadically with her coach, Dick Kimball, at his club in

**Wendy Lucero (above) was the only 1988 Olympian of the five at the nationals to win an event. She also became the first woman to sweep the springboards since Megan Neyer in 1986.**



(Photo by Brian Spurlock)

Michigan. Most of the time she works out in her hometown with just her mother watching the dives.

Kimball thinks Lucero could be on the verge of stardom.

"She's learning to compete well," he told the *Raleigh News and Observer*. "By staying consistent on her dives, she has the key it takes to be the best. I believe she has the ability to be the best in the world."

"The biggest difference in her diving has been confidence. I think it was making the Olympic team that did it for her because you get that maturity that comes with going to the Olympics."

Lucero had not won a U.S. title since 1985. The victory on 3-meter was the first of her career. She'd won twice previously on 1-meter.

Ferguson also won his events handily. The Mission Bay diver, who just missed making the Olympic team last year while competing with a dislocated shoulder, was exceptional on 3-meter with an average score of 8 on his dives in amassing a total of 671.82 points. He capped the competition with 8.5s and 9s on his most difficult dive, a reverse 1½ somersault with 3½ twists (3.3 degree of difficulty) for 86.13

points.

"Today, I put together the most consistent, if not the best, list of my whole diving career," Ferguson said. "I'm ecstatic. Winning and performing to the best of my ability is a great experience."

It was the third 3-meter national title for Ferguson and second in a row: Olympian Mark Bradshaw finished second on 3-meter with 636.96 points.

The preceding day in the 1-meter competition, Ferguson took the lead in the fifth round with scores of 8.5 and a 9 on a reverse 1½ with 1½ twists (2.6). He wound up with 577.20 points for his first national title on the low board. Dean Panaro, an 18-year-old from Cincinnati, was the runner-up with 564.78.

In the platform competition, both Wyland and Scoggin repeated as champions, but barely.

Wyland, who led the women's 10-meter event from the fourth round, was only four points ahead of 20-year-old Courtney Nelson going into the final round. On her last dive, Nelson earned 7s and 7.5s on a back 1½ with 2½ twists (2.8) for 61.32 points. Wyland, diving last in the order, scored 6.5s and 7s on a for- ▶

## Diving

ward 1½ with 3 twists (2.9) for 57.42 points to win the competition by just 18-hundredths of a point. Her total was 412.68.

Wendy Lian Williams, the 1989 World Cup champion on platform, was in second place until she missed a reverse 2½ in the next-to-last round. She wound up third with 387.39 points.

For Wyland, it was an amazing comeback after having been hospitalized with viral meningitis just a month prior to the meet. The Mission Bay diver had been training for only 2½ weeks before the championships. Earlier in the competition, she didn't qualify for the finals on 3-meter with a 13th place finish in the prelims.

"It's kind of scary getting up there and not knowing what your body is going to do," she said. "I just burned out in the end because my endurance is low. I felt strong and confident, but I was shaking, too. It was really important to me to do well on 10-meter because I dedicated it to Ron

(O'Brien, her coach). It's our 10th anniversary training together."

Nelson, a Brigham Young University junior who trains with the Stanford Diving Club, has shown tremendous improvement in the last year. She made her first national final at the indoor championships

*"I'd rather have the chance to nail the final dive than to have to depend on the luck of someone else."*

*—Matt Scoggin*

and placed seventh. She uses a very difficult list.

"I'm not all the way there yet," she said. "I'm entering clean, but I'm not ripping yet. It's something I want to work on."

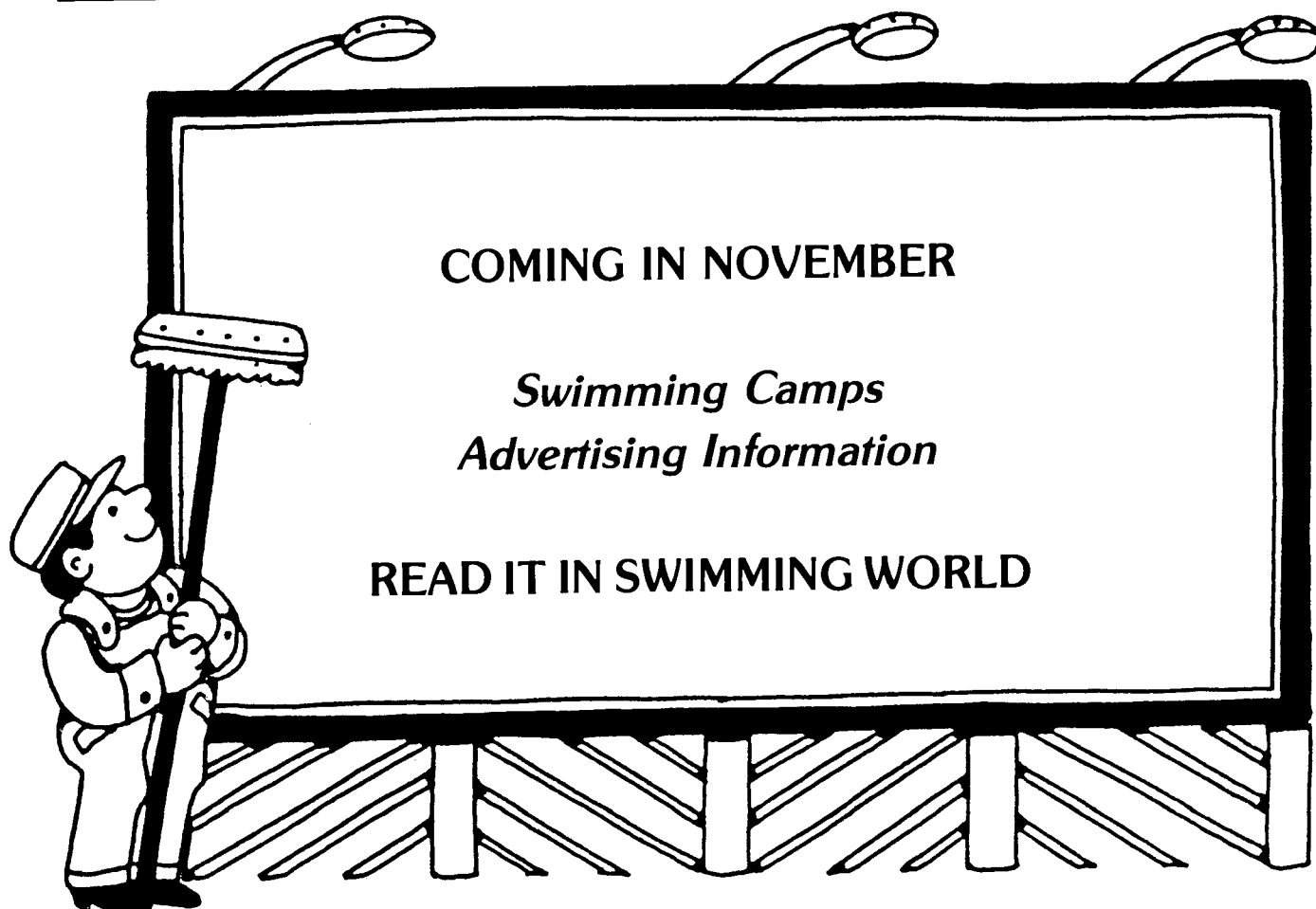
In the men's platform final, Longhorn's Scoggin and Scott Donie of Mission Bay alternated the lead down the wire. Donie was ahead by

1.4 points going into the final round. Both contenders performed a back 1½ with 3½ twists (3.2) for their last dive. Donie got 7.5s and 8s on his for 74.88 points. Scoggin, last in the order, responded with a dive that received five 8.5s and two 9s for 82.56 points and the victory. His total was 621.45.

"I knew I needed 8.5s or 9s because he had the same dive," said Donie. "It's a real good dive for him."

Scoggin didn't mind being in the situation of having to come through. "I'd rather have the chance to nail the final dive than to have to depend on the luck of someone else," he said, but adding, "I'd rather be going into the last dive with a 100-point lead."

Ohio State Diving won the combined team title for the second successive nationals with 224 points. Mission Bay finished second with 203. Ohio State also captured its second consecutive men's championship. Kimball Divers took the women's team competition. □



# A Time To Toot One's Horn

Occasionally, it is useful to remind our members of—or introduce prospective members to—the many services available to NISCA members. While this does sound a bit as if we were tooting our own horn, we deserve it!



In the first place, we have a newly-designed NISCA magazine, containing news and reports, information about coming events, discussion of rules proposals, training articles, instructions on applying for All-America, data on awards and much more. This magazine grew from our previous newsletter, largely through the efforts of our fine secretary/editor Donald R. Allen. The NISCA magazine also provides our members with a forum for debate, a means of suggesting changes and a platform for publishing ideas; submit material to Don Allen, Glenbrook South High School, 4000 W. Lake Ave., Glenview, IL 60025.

NISCA provides an opportunity for many high school and private school coaches of boys and girls swimming, diving and water polo to become leaders in their sport. Each state has its own NISCA delegate. There are eight zone directors who coordinate NISCA affairs in their

### About the Author

NISCA publications editor **Charles E. "Skip" Bird** is the boys' swim coach at Valparaiso High School, Ind.

geographic regions. There are four major elected officers: president (Glenn Kaye), president-elect (Joe Groscost), secretary (Don Allen) and treasurer (Bill Wolff). Additionally, some 16 chairpersons are appointed to the NISCA committees.

Other committees include water polo, convention, marketing and promotions, independent schools, constitution, archives and records, publications, All-America, special projects, professional awards, top times and power rankings, diving and NISCA rules.

Members of NISCA receive our monthly newsletter, already described above. Membership in NISCA also brings you savings on your subscriptions to *Swimming World* and *Swimming Technique*. Periodically, NISCA members receive the annual NISCA Business Report, the NISCA Constitution and the Collegiate Aquatics Survey. There are also savings on certificates and joint memberships available to NISCA members.

NISCA awards are presented to coaches and others in the following categories: hall of fame, outstanding service, pioneer, 25-year service, professional, past president, appreciation and collegiate-scholastic. If you are or if you know of a coach who might be worthy of being considered for one of these important awards, contact Bill Stetson, 31 Spartina Ct., Hilton Head Island,

SC 29928.

Student-athletes and aquatic teams are recognized in our All-America programs: girls and boys swimming and diving, in both high school and tuition-based schools; girls and boys high school water polo; and our new academic All-America award. Top ten awards and power point team champions are annually presented by NISCA.


At our annual membership meeting/convention, held in conjunction with the NCAA Division I Men's Swimming and Diving Championships, we have business meetings to discuss NISCA affairs and rules proposals (NISCA is your most influential route to rules changes), several excellent clinic speakers, an incomparable awards banquet, many dozens of door prizes, a NISCA/college coaches social gathering plus much fellowship and exchange of ideas.

NISCA has been working closely with ASCA, and there is a system for joining both organizations.

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Join now! Contact William R. Wolff, NISCA Treasurer/Membership, New Trier High School, 385 Winnetka Ave., Winnetka, IL 60093. ☐

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## Upbeat Down Under

Ocean swimming enjoys immense popularity in Australia. Near-perfect conditions attract thousands



to the summer races. The festive atmosphere, the broad spectrum of competitors and the scenic courses reflect the adventurous and cheerful temperament of the Australian organizers.

Among the largest and most prestigious swims are the three-mile Yarra Superswim in Melbourne and the two-kilometer Cole Classic in Sydney.

The Yarra Superswim, inaugurated in 1987, is a re-creation of the original Yarra River Swim that was held from 1913-1963. (In 1963, increasingly harmful levels of pollution forced the cancellation of the event.)

Olympian Rob Woodhouse, winner of the first two Superswims, was back to defend his title. Scott Goldie, 18, second to Woodhouse in 1988 by five seconds, also was back. The two pre-race favorites were eager to capture the \$1,000 first-place award.

Six hundred twenty five swimmers lined up at the water start amid much hoopla and excitement. At the sound of the starting cannon and a thunderous roar from the crowd, the field headed downstream. A large S-curve near the start slowed down the field, creating a logjam of thrashing arms and bobbing heads.

By 500 meters Woodhouse and Goldie had already broken from the main pack. The top two women, Nicole Livingstone and Donna Proctor, also got off to a good start and followed closely behind. The lead group, all within 10 meters of each other, continued bunched together under the four bridges that spanned the race course. With less than 1000 meters to go, the swimmers separated slightly and began their final

sprint.

It was still anyone's race 300 meters from the finish. Goldie, cutting a beeline to the finish with a rapid turnover, slowly pulled away to win, setting a new record in 42:20. Hamish Cameron, a close second, finished in 42:31, with Woodhouse third in 42:59. Livingstone won the women's division in 43:18, breaking the old record by nearly a minute.

The Cole Classic, modeled after the Waikiki Roughwater Swim, was spoiled by an unusual pollution problem. Biondi Beach, one of Sydney's finest beaches, was rancid with raw sewage due to runoff from a seasonal rain.

Despite the awful stench and large brown stain that stretched across the course, 800 swimmers showed up at the start, intent on participating in Australia's largest race.

Competition among the top swimmers was especially intense as the top male and female winners were to be rewarded with a trip to Hawaii.

In a short beach-start-and-finish race, the winner is often the one with the best start and finish. The

Cole Classic proved to be no different.

The top three men, David O'Brian, Richard Ford and Brad Turner, swam nearly goggle-to-goggle for the entire race. The swimmers fought it out from the start, often hitting arms, taking calculated chances and drafting off one another.

O'Brian went off to the right as the trio entered the surfbreak near the finish. He caught a wave and bodysurfed to the lead. O'Brian, running madly to maintain his slim lead, exited the water with Ford and Turner at his feet. O'Brian dove across the finish line and won in 17:38. Ford was second in 17:42 and Turner third in 17:44. Bronwyn Burns, 16, won the women's division, finishing eighth overall in 18:13.

Paul Asmuth, *Swimming World's* 1988 Long Distance Swimmer of the Year, admits the English Channel record, set by Penny Dean in 1979, "is a great one." After competing on the professional marathon swimming circuit, Asmuth was planning

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#### About the Author

Steven Munatones is a professional long distance swimmer who won the Long Distance Swimming Championships at Lake Windermere in 1982.

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More and more retail stores throughout the country have begun to discover that teaming up with **Swimming World** makes for good business. The following is a partial listing of stores currently selling **Swimming World**. If you don't see your favorite swim shop listed—why not pass the word and tell them to start supplying **Swimming World** each month. It's simple to join the team. Just contact Circulation Director, **Swimming World**, P.O. Box 45497, Los Angeles, CA 90045; 213-674-2120.

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Oakland, CA 94612  
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**Master Sports**  
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**Swimskin**  
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**Different Strokes**  
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**Rochester Books Inc.**  
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**World Wide News**  
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Rochester, NY 14604  
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Nashville, TN 37215  
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**Swimmers Complete**  
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## Long Distance

to head over to England in August to attempt his second Channel crossing. In 1986, on his first attempt, Asmuth set the men's record of 8:12. (His record was lowered by Philip Rush of New Zealand in 1987.)

Asmuth is probably the best bet to set a new record (no one besides Dean has ever broken eight hours). Dean, who didn't think her record of 7:40 would last for 10 years, says, "The Channel can be swum in under seven hours." Crossing the 21-mile channel *can* be done in seven hours, but only under optimal conditions—something the Channel rarely offers to its challengers.

As with any attempt, Asmuth will hope for an absence of wind, waves and adverse currents. Provided such conditions prevail, 1989 may see someone, possibly Asmuth, achieve a seven-hour Channel crossing.

The 1989 Pan Pacific Masters Aquatic Games will be held in Indianapolis on October 7-11. This is the first time long distance swimming will be included with the other four aquatic disciplines at an international competition. The schedule includes one-, two- and four-and-a-half-mile swims held every other day. This format allows interested swimmers to compete in both the long distance and pool events.

The two-mile swim will double as the USMS two-mile national championship event. For more information, contact 1989/Third Pan Pacific Masters Aquatic Games, 901 West New York St., Room 204, Indianapolis, IN 46223; (317) 274-3363.

Claudio Plit of Argentina, one of the most successful professional marathon swimmers of the 1980s, will defend his title at the 40-mile International Crossing of Lake St. John. Plit earned \$20,000 last year in winning his fourth straight Crossing in 17 hours and 36 minutes, only three minutes ahead of second-place Nasser El Shazly of Egypt. This year the field will include Shazly, Asmuth, Rush, Monique Wildshut of Holland, Mohammed El Missiry of Egypt, Nathalie Patenaude of Canada, and a 1972 Olympic gold medalist and former professional marathon swimmer, John Kinsella. □

## Does Swimming Make You Sick?

In every swimming program there is always the handful of swimmers who seem to always be coming down with the persistent cold, be struck down by the flu or otherwise not be in the greatest apparent state of health. Unfortunately many of these athletes often incur these minor (and sometimes major) ailments during the most important phase of the coach's training program or within weeks of major competitions.

Often, as coaches, we are quick to assume that the athlete has not been taking adequate care of himself. Undoubtedly, the swimmer is assumed to be staying up late at night, not eating the right foods, not taking those mega-vitamins or the carbohydrate replacement concoctions.

It seems odd that the swimming athlete, training as intensively as he might, would be susceptible to the common cold or "flu bug" or some other attacking virus bringing on such diseases as mononucleosis. However, could it be that the athlete has trained himself "sick"?

We generally regard regular exercise as being healthful, but it is becoming rather clear that excessive exercise and especially intensive athletic training may, in fact, facilitate the onset of disease.

To fully understand this potential phenomena, we need to first look at the body's complex and elaborate immune system which is sidled with the responsibility of protecting the body against invading microorganisms.

It is important, first, to understand the body's ability to delineate between "self" and "non-self." In other words, the body is able to discriminate between its own cells and the cells of invading organisms. Because of this capability, the body can

mount a defense (the immune response) against the invading creatures.

The body accomplishes this in many ways by enlisting battalions of white blood cells (as opposed to the red blood cells, which carry oxygen to the muscles). Like little soldiers, these cells are called up to the front line where the invading enemy is located whereupon the bacteria is destroyed.

*It is becoming rather clear that excessive exercise and intensive athletic training may, in fact, facilitate the onset of disease.*

The mechanism by which this is accomplished is, in itself, amazing. Specialized white cells, called neutrophils and macrophages, surround the invading virus/bacteria and engulf them, thereby protecting the rest of the body from assault.

In order for the immune defenses to be adequate, like any world military force, there needs to be sufficient troops to mount an attack on the invading forces. Many of the specialized cells (e.g., T cells, B cells, Natural Killer cells, etc.) need to be present in sufficient numbers to be able to suppress the onslaught of viral/bacterial organisms that are constantly invading the body.

It is the observation that such cells of the immune defense are decreased as a result of intensive exercise which may be responsible for the occurrence of some athletes who are easily susceptible to colds and flu, etc.

It has been demonstrated, in both trained and untrained individuals asked to exercise to exhaustion, that dramatic decreases in the specialized cells of the immune system results (Fitzgerald, *Life Science Trends*,

2:1-12, 1988).

While this effect is thought to be only temporary, lasting a few hours, it may be sufficient for microorganisms to mount an initial attack on the body and gain a stronghold before an immune response can be initiated.

In other words, the body's specialized immune cells are caught napping during the invasion, allowing viruses to infiltrate and lead to infection of the athlete.

The elite athlete may even be more susceptible to infection than less elite or recreational athletes, as there appears to be a cumulative suppression of the body's immune defenses. As the athlete continues to train intensively through the course of the season, the immune defenses never quite regain their normal level. Instead of trying to fight disease with the strength of the hydrogen bomb, the defenses are limited to the single shot of a low-caliber pistol. This is further compounded by the observation that as the intensity of exercise increases, e.g., from training session to training session, the ability of the immune system (especially the ability of the neutrophils to engulf bacteria) is increasingly suppressed.

Clearly, the body's defensive immune system is suppressed as the result of intense exercise. This suppression (seen as a decrease in the specialized cells of the immune system) does appear to be temporary, as it has been observed that following a single bout of intense exercise, the levels of the specialized cells rise again to normal following several hours of recovery.

Most interesting, in many studies, the return to normal occurs after 20-24 hours of recovery. The 24-hour time point appears to be a critical factor influencing the return to homeostasis of the body following intensive exercise. It is becoming increasingly evident that for efficient athlete training for peak performance, a 24-hour training cycle should be employed. □

### 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.

# For the Record

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## WORLD

### 13th MACCABIAH GAMES Tel Aviv, Israel July 6-11, 1989 (50 M)

#### \* Maccabiah Games Record

##### WOMEN

50 Free	27.00*	Jenny Susser, USA
27.82	Iris Koman, ISR	
28.18	Anat Levitt, ISR	
100 Free	57.77*	Jenny Susser, USA
1:00.74	Revital Vinai, ISR	
1:00.76	Dorian Green, USA	
200 Free	2:07.11	Jenny Susser, USA
2:07.55	Patricia Amorim-Filler, BRA	
2:09.89	Michal Amin, ISR	
400 Free	4:23.64*	Patricia Amorim-Filler, BRA
4:25.14	Michal Amin, ISR	
4:26.13	Laurie Zelger, USA	
800 Free	9:01.15	Patricia Amorim-Filler, BRA
9:01.92	Laurie Zelger, USA	
9:08.89	Michal Amin, ISR	
100 Back	1:09.08	Hadas Padsee, ISR
1:09.12	Janna Promislow, CAN	
1:09.67	Beth Rosenbluth, USA	
200 Back	2:28.08	Ruth Grodsky, USA
2:29.47	Ravit Alon, ISR	
2:30.46	Beth Rosenbluth, USA	
100 Breast	1:15.38	Irit Efrati, ISR
	(1:14.68p*)	
1:15.51	Ruth Grodsky, USA	
1:18.14	Orat Bash, ISR	
200 Breast	2:40.29*	Ruth Grodsky, USA
2:40.82	Irit Efrati, ISR	
2:40.82	Joanna Zelger, USA	
100 Fly	1:05.00	Dorian Green, USA
1:05.50	Iris Koman, ISR	
1:05.78	Erika Moore, USA	
200 Fly	2:18.46	Chantal Harrison, CAN
2:19.79	Mariene Bruten, MEX	
2:20.09	Sherly Segal, USA	
400 IM	5:01.75*	Ruth Grodsky, USA
5:04.15	Patricia Amorim-Filler, BRA	
5:04.40	Joanna Zelger, USA	
400 FR	4:26.94*	USA
4:30.12	Israel	
4:46.52	Brazil	
400 FR	4:01.81	USA
4:07.36	Israel	
4:10.89	Canada	
800 FR	8:41.58	Israel
8:50.58	USA	
8:52.57	Canada	
MEN		
50 Free	23.65*	Keith Kaplan, USA

23.94	Raziel Rimmer, ISR
23.97	Andrew Geller, USA
100 Free	
52.57	Keith Kaplan, USA
52.62	Andrew Geller, USA
52.82	Rick Aronberg, USA
200 Free	
1:52:51*	Rick Aronberg, USA
1:53.68	John WitcheI, USA
1:54.78	Yoav Bucher, ISR
400 Free	
3:55:64*	Rick Aronberg, USA
4:00.54	Raz Dar, ISR
4:01.97	Segev Porat, ISR
1500 Free	
15:37.66	Rick Aronberg, USA
16:11.87	Raz Dar, ISR
16:22.58	John WitcheI, USA
100 Back	
58.08*	Joshua Mikesell, USA
58.67	Erin Garoumi, ISR
59.17	Michael Kanner, USA
200 Back	
2:05:50*	Michael Kanner, USA
2:05.87	Tamas Deutsch, HUN
2:07.48	Erin Garoumi, ISR
100 Breast	
1:05.39*	Samuel Schwartz, USA
1:05.81	Michael Gissman, USA
1:06.42	Eyal Stigman, ISR
200 Breast	
2:22:81*	Sidney Appelboom, BEL
2:24.39	Samuel Schwartz, USA
2:26.17	Sage Stigman, ISR
100 Fly	
55.71*	Erin Garoumi, ISR
56.69	Jeffrey Abrams, USA
57.40	Andrew Geller, USA
200 Fly	
2:04.80*	Erin Garoumi, ISR
2:05.45	Jeffrey Abrams, USA
2:07.30	Amir Sternfeld, ISR
400 IM	
4:32:81*	Charles Rose, USA
4:32.85	Gilaad Chen, ISR
4:35.43	Stephen Merker, CAN
400 MR	
3:51.43	USA
3:51.93	Israel
4:07.64	Canada
400 FR	
3:28.27*	Israel
3:31.05	USA
3:42.64	Canada
800 FR	
7:36.57*	USA
7:39.99	Israel
8:17.29	Canada

### 19th EUROPEAN CHAMPIONSHIPS Bonn, West Germany Aug. 15-20, 1989 (50 M)

#### w World Record e European Record

##### WOMEN

50 Free	Aug. 20
25.63	Catherine Piewinski, FRA
25.64	Daniela Hunger, GDR
25.87	Katrin Meissner, GDR
25.94	Gitta Jensen, DEN
26.11	Marion Alzopors, FRG
26.12	Caroline Woodcock, GBR
26.13	Marianne Muls, HOL
26.21	Tamara Costache, ROM
100 Free	Aug. 15
55.38	Karin Meissner, GDR
55.40	Manuela Stellmach, GDR
55.61	Marianne Muls, HOL
55.66	Catherine Piewinski, FRA
56.24	Mildred Muls, HOL
56.87	Karen Pickering, GBR
56.89	Gitta Jensen, DEN
56.97	Marion Alzopors, FRG
200 Free	Aug. 16
1:58.93	Manuela Stellmach, GDR
1:59.96	Marianne Muls, HOL
2:00.35	Mette Jacobsen, DEN
2:00.48	Heike Friedrich, GDR
2:00.55	Catherine Piewinski, FRA
2:02.35	Irene Dalby, NOR
2:03.08	Cecile Prunier, FRA
2:03.69	Heike Luennschloss, FRG
400 Free	Aug. 17
4:05.84	Anke Mohring, GDR
4:10.14	Heike Friedrich, GDR
4:10.89	Manuela Melchiorri, ITA
4:11.51	Irene Dalby, NOR
4:13.09	Orietta Patron, ITA
4:14.41	Isabelle Arnould, BEL
4:16.49	Sandra Cam, BEL
4:19.44	Noemi Lung, ROM
800 Free	Aug. 19
8:23.99	Anke Mohring, GDR
8:28.24	Astrid Strauss, GDR
8:28.59	Irene Dalby, NOR
8:28.92	Cristina Secchi, ITA
8:36.57	Manuela Melchiorri, ITA
8:45.98	Heike Luennschloss, FRG
8:47.67	Isabelle Arnould, BEL

53:01	Karyn Faure, FRA
100 Back	Aug. 17
1:01:86	Kristin Otto, GDR
1:02:44	Kristina Egerszegi, HUN
1:03:10	Anja Eichhorst, GDR
1:03:63	Sandra Voelker, FRG
1:03:64	Marion Alzopors, FRG
1:03:80	Elien Elzerman, HOL
1:04:60	Katharine Read, GBR
1:04:80	Natalia Shibaeva, URS
200 Back	Aug. 20
2:12:46	Dagmar Hase, GDR
2:12:61	Kristina Egerszegi, HUN
2:14:29	Kristin Otto, GDR
2:14:94	Elien Elzerman, HOL
2:15:92	Lorenza Vigarani, ITA
2:16:50	Natalia Shibaeva, URS
2:16:85	Katharine Read, GBR
2:18:73	Marion Zoller, FRG
100 Br.	Aug. 18
1:09:55	Susanne Bormicke, GDR
1:09:65	Tania Dangalakova, BUL
1:10:39	Manuela Dalla Valle, ITA
1:10:47	Elena Volkova, URS
1:10:60	Brigitte Becue, BEL
1:11:24	Lorraine Coombes, GBR
1:11:32	Svetlana Kuzmina, URS
1:11:63	Suki Brownson, GBR
200 Br.	Aug. 16
2:27:77	Susanne Bormicke, GDR
2:27:77	Brigitte Becue, BEL
2:29:94	Elena Volkova, URS
2:30:11	Manuela Dalla Valle, ITA
2:31:67	Svetlana Kuzmina, URS
2:33:37	Virginie Bojaryn, FRA
2:34:09	Beata Kaszuba, POL
2:35:78	Suki Brownson, GBR
100 Fly	Aug. 18
59:08	Catherine Piewinski, FRA
59:08	Jacqueline Jacob, GDR
1:00:81	Kathleen Nord, GDR
1:01:31	Jacqueline Delord, FRA
1:01:48	Judith Anema, HOL
1:01:85	Manuela Carosi, ITA
1:01:94	M. Scarborough, GBR
1:02:28	Mette Jacobsen, DEN
200 Fly	Aug. 20
2:09:33	Kathleen Nord, GDR
2:09:34	Jacqueline Jacob, GDR
2:12:63	Mette Jacobsen, DEN
2:14:23	Berit Puggaard, DEN
2:14:75	Gabi Reha, FRG
2:15:53	Cecile Jeanson, FRA
2:16:80	Ina Beyersmann, FRG
2:17:81	Maria L. Fernandez, ESP
400 IM	Aug. 19
4:54:03	Daniela Hunger, GDR
4:54:03	Marianne Muis, HOL
4:56:28	Julia Bogacheva, URS
4:56:28	Nuria Castello, ESP
400 MR	Aug. 19
4:07:40	GDR
4:10:78	Italy
4:11:53	Netherlands
4:12:26	West Germany
4:13:45	Great Britain
4:15:48	URS
4:17:11	Denmark
4:17:27	Bulgaria
400 FR	Aug. 17
3:42:46	GDR
3:43:66	Netherlands
3:46:15	West Germany
3:46:94	Denmark
3:47:04	France
3:48:87	Great Britain
3:52:20	Sweden
3:52:21	URS
800 FR	Aug. 15
7:58:54	GDR
7:58:54	Netherlands
8:08:00	Netherlands
8:10:49	Italy
8:11:53	Denmark
8:15:08	URS
8:18:10	West Germany
8:31:51	Belgium
8:41:25	Ireland
MEN	
50 Free	Aug. 19
22:64	Vladimir Tkachenko, URS
22:67	Evgeniy Kotliarskiy, URS
22:76	Nils Rudolph, GDR
22:89	Dano Halsall, SUI
23:06	Nor Dekker, HOL
23:13	Stefan Volery, SUI
23:22	Christophe Kalfayan, FRA
23:36	Bernd Hoffmeister, FRG
100 Free	Aug. 17
49:24	Giorgio Lamberti, ITA
49:24	Yuriy Bashkatov, URS
50:13	Raimundus Mazhoulis, URS
50:15	Stephen Caron, FRA
50:16	Tommy Warner, SWE
50:46	Roberto Gleria, ITA
50:61	Peter Sitt, FRG

51.32	Franz Mortensen, DEN
200 Free	Aug. 15
1:46.69w	Giorgio Lamberti, ITA (25.14, 52.42, 1:19.74)
1:47.96	Artur Wojdat, POL
1:48.06	Anders Holmertz, SWE
1:48.37	Roberto Gleria, ITA
1:49.06	Peter Sitt, FRG
1:49.31	Steffen Zesner, GDR
1:49.62	Uwe Dassler, GDR
1:50.27	Vladimir Tajanovich, URS
400 Free	Aug. 18
3:47.78	Artur Wojdat, POL
3:47.68	Stefan Pfeiffer, FRG
3:48.29	Marlusz Podkoscilny, POL
3:49.58	Anders Holmertz, SWE
3:49.78	Uwe Dassler, GDR
3:50.52	Jorg Hoffmann, GDR
3:52.68	Zoltan Szilagyi, HUN
3:55.36	Jure Bucar, YUG
1500 Free	Aug. 20
15:01.52	Jorg Hoffmann, GDR
15:01.53	Stefan Pfeiffer, FRG
15:01.93	M. Podkoscilny, POL
15:02.73	Stefan Persson, SWE
15:25.15	Kevin Boyd, GBR
15:25.28	A. Gaydukovich, URS
15:28.50	E. Logvinov, URS
15:43.84	B. Massimiliano, ITA
100 Back	Aug. 19
56.44	Martin Lopez-Zubero, ESP
56.45	Sergey Zabolotnov, URS
56.52	Dirk Richter, GDR
56.66	Frank Hoffmeister, FRG
56.97	Igor Polianskiy, URS
57.04	Tino Weber, GDR
57.56	Tamas Deutsch, HUN
57.69	Lars Sorensen, DEN
200 Back	Aug. 17
1:59.96	Stefano Battistelli, ITA
2:00.02	Vladimir Selkov, URS
2:00.54	Tino Weber, GDR
2:01.44	Frank Hoffmeister, FRG
2:02.31	Martin Lopez-Zubero, ESP
2:02.93	David Holderbach, FRA
2:04.29	Marek Ranis, TCH
2:08.72	Tamas Deutsch, HUN
100 Br.	Aug. 15
1:01.71	Adrian Moorhouse, GBR
1:01.49w(Split: 29.01)	
1:01.94	Dmitry Volkov, URS
1:02.12	Nick Gillingham, GBR
1:02.33	Gianni Minervini, ITA
1:02.56	Ron Dekker, HOL
1:03.05	Tamas Debnar, HUN
1:03.31	Vadim Alexeev, URS
1:03.57	Mark Warnecke, FRG
200 Br.	Aug. 18
2:12.90w	Nick Gillingham, GBR (30.67, 1:04.66, 1:38.77)
2:15.73	Gary O'Toole, IRL
2:16.05	Jozsef Szabo, HUN
2:16.37	Radek Belinhaus, TCH
2:16.66	Sergio Lopez, ESP
2:16.90	Tamas Debnar, HUN
2:17.74	Valeri Lozik, URS
2:19.24	Joaquin Fernandez, ESP
100 Fly	Aug. 16
54.47	Rafal Szukala, POL
54.50	Bruno Gutzeit, FRA
54.54	Martin Herrmann, FRG
54.55	Nils Rudolph, GDR
54.59	Vadim Yaroshuk, URS
54.65	Hrvylo Baric, YUG
54.85	Vladimir Kovalskiy, URS
55.34	Jose Luis Ballester, ESP
200 Fly	Aug. 19
1:58.87	Tamas Darnyi, HUN
2:00.62	Rafal Szukala, POL
2:00.73	Kozel Matijaz, YUG
2:00.87	Wojciech Wygza, POL
2:01.05	Christophe Bordenau, FRA
2:01.12	Tim Jones, GBR
2:01.36	Marco Braida, ITA
2:02.22	Martin Herrmann, FRG
400 IM	Aug. 20
4:54.49	Tamas Darnyi, HUN
4:54.49	Raik Hannemann, GDR
4:56.21	Josef Hladky, FRG
4:56.21	Vadim Yaroshuk, URS
4:56.21	Patrick Kuhl, GDR
4:56.21	Frederic Lefevre, FRA
4:56.21	Jan Bidman, SWE
4:56.21	Peter Bormel, FRG
400 IM	Aug. 16
4:56.21	Tamas Darnyi, HUN
4:56.21	Patrick Kuhl, GDR
4:56.21	Frederic Lefevre, FRA
4:56.21	Jan Bidman, SWE
4:56.21	Peter Bormel, FRG
4:56.21	Stefano Battistelli, ITA
4:56.21	Christine Gessner, GDR
4:56.21	Josef Szabo, HUN
4:56.21	Luca Sacchi, ITA
4:56.21	Sergey Marinkov, URS
4:56.21	C. Papantolou, GRE
400 MR	Aug. 20
4:56.21	USA
4:56.21	France
4:56.21	Italy
4:56.21	West Germany
4:56.21	Great Britain
4:56.21	GDR
4:56.21	Spain
4:56.21	Netherlands
400 FR	Aug. 18
4:56.21	West Germany
4:56.21	France
4:56.21	Sweden
4:56.21	URS
4:56.21	GDR
4:56.21	Italy

3:23.98	Holland
DQ	Great Britain
800 FR	Aug. 16
7:15.39	Italy
7:17.38	FRG
7:17.79	GDR
7:20.76	Sweden
7:22.14	URS
7:25.19	Poland
7:26.95	Hungary
7:37.24	Spain

#### SWIMMING CUP STANDINGS

773	GDR
529	URS
517	West Germany
464	Italy
370	Great Britain
336	France
322	Holland
233	Hungary
221	Denmark
198	Sweden

### PAN PACIFIC SWIMMING CHAMPIONSHIPS Tokyo, Japan August 17-20, 1989 (50 M)

#### w World Record

##### WOMEN

50 Free	Aug. 20	25.85	Jenny Thompson, USA
25.95	Wenli Yang, CHN		
25.96	Leigh Ann Fetter, USA		
26.05	Yong Zhuan, CHN		
26.35	Karen Van Wierden, AUS		
26.35	Ayako Nakano, JPN		
26.36	Lisa Curry-Kenny, AUS		
26.41	Kristin Topham, CAN		
100 Free	Aug. 18	55.68	Yong Zhuan, CHN
55.84	Jenny Thompson, USA		
55.99	Nicole Halslett, USA		
57.03	Chunli Sun, CHN		
57.39	Angela Mullens, AUS		
57.65	Susan O'Neill, AUS		
57.76	Ayako Nakano, JPN		
57.96	Allison Higon, CAN		
200 Free	Aug. 17	2:00.87	Patricia Noal, CAN
2:01.18	Mitzi Kremer, USA		
2:01.44	Yong Zhuan, CHN		
2:01.75	Jenny Thompson, USA		
2:02.59	Chikako Nakamori, JPN		
2:04.04	Allison Higon, CAN		
2:04.98	Yoko Shimao, JPN		
2:05.59	Susan O'Neill, AUS		
400 Free	Aug. 19	4:04.53	Janet Evans, USA
4:11.46	Jane Skillman, USA		
4:12.57	Janelle Elford, AUS		
4:13.37	Donna Procter, AUS		
4:18.44	Phillipa Langrell, NZL		
4:19.45	Joanne Currah, CAN		
4:19.55	Naho Sasamura, JPN		
4:19.67	Chikako Nakamori, JPN		
800 Free	Aug. 20	1:00.25	Jenny Thompson, USA
1:02.22w	(Splits: 1:00.20, 2:02.53 3:05.12, 4:07.92, 5:10.27, 6:15.62, 7:15.44)		
8:31.16	Janelle Elford, AUS		
8:32.55	Julie Koile, USA		
8:41.06	Julie McDonald, AUS		
8:45.02	Debbie Wurzberg, CAN		
8:47.38	Phillipa Langrell, NZL		
8:54.49	Michelle Sallee, CAN		
8:54.73	Miki Wakahol, JPN		
1500 Free	Aug. 17	16:10.58	Janelle Elford, AUS
16:28.25	Julie Koile, USA		
16:35.12	Julie McDonald, AUS		
16:40.31	Mitzi Braswell, USA		
16:49.19	Chikako Nakamori, JPN		
16:50.84	S. Schwechuck, CAN		
16:52.67	Naho Sasamura, JPN *		
17:15.73	Miki Wakahol, JPN		
200 Back	Aug. 17	1:02.69	Lea Loveloes, USA
1:03.52	Nicole Livingstone, AUS		
1:03.52	Anne Mahoney, USA		
1:04.16	Sima Simic, NZL		
1:04.28	Anne Barnes, CAN		
1:04.28	Li Lin, CHN		
1:04.34	Anne-M. Andersen, CAN		
1:04.39	Chikako Takase, JPN		
200 Back	Aug. 19	2:13.76	Ade Trimble, USA
2:14.21	Ana Simic, NZL		
2:14.22	Nicole Livingstone, AUS		
2:14.67	Chikako Takase, JPN		
2:14.81	Lea Loveloes, USA		
2:17.17	Yuka Akityama, JPN		
2:18.61	Lori Mellen, CAN		
2:18.81	Karen Lord, AUS		
400 Back	Aug. 18	1:09.81	Julie Duggan, CAN
1:09.81	Tracy McFarlane, USA		
1:11.08	Mary Ellen Blanchard, USA		
1:11.15	Lara Hoelvdal, AUS		
1:11.65	Chifumi Yamaga, JPN		
1:12.23	Xiaomin Huang, CHN		
1:12.42	Aoasu Natsumge, JPN		



## For the Record

15:28.66 Harry Taylor, CAN  
15:33.55 Masashi Kato, JPN  
15:41.40 Dan Jorgensen, USA  
15:51.55 Tomohiro Noguchi, JPN  
**100 Back Aug. 17**  
56.34 Jeff Rouse, USA  
56.52 Scott Johnson, USA  
56.65 Mark Tewksbury, CAN  
57.24 Paul Kingsman, NZL  
57.65 Shigemori Maruyama, JPN  
57.69 Dede Botsford, CAN  
58.70 Kirk Torrance, NZL  
59.47 Kaito Soraoka, JPN  
**200 Back Aug. 19**  
2:01.27 Dan Veatch, USA  
2:02.34 Gary Anderson, CAN  
2:03.14 Paul Kingsman, NZL  
2:03.15 Scott Johnson, USA  
2:03.20 Kevin Draxinger, CAN  
2:04.13 Rogerio Romero, BRA  
2:05.12 Peter Dolg, NZL  
2:07.08 Sang Joon Ji, KOR  
**100 Br. Aug. 18**  
1:02.95 Richard Korhammer, USA  
1:03.09 Rich Schroeder, USA  
1:03.19 Jianhong Chen, CHN  
1:03.27 Jon Cleveland, CAN  
1:04.02 Phillip Rogers, AUS  
1:04.39 Rob Fox, CAN  
1:04.47 Hsin-Yen Tsal, TPE  
1:05.72 Javier Careaga, MEX  
**200 Br. Aug. 20**  
2:13.09 Mike Barrowman, USA  
2:12.89 (Splits: 30.72, 1:04.81, 1:38.63)  
2:14.94 Nelson Diebel, USA  
2:15.76 Jon Cleveland, CAN  
2:16.83 Rodney Lawson, AUS  
2:17.60 Kenji Watanabe, JPN  
2:18.15 Phillip Rogers, AUS  
2:19.28 Hiroshi Fujieda, JPN  
2:19.76 Javier Careaga, MEX  
**100 Fly Aug. 19**  
53.80 Anthony Nesty, SUR  
53.86 Wade King, USA  
54.13 Mark Henderson, USA  
54.47 Jianqiang Shen, CHN  
54.53 Anthony Mosse, NZL  
54.56 Andrew Baildon, AUS  
55.74 Stephanie Hebert, CAN  
55.83 Martin Roberts, AUS  
**200 Fly Aug. 17**  
1:59.40 Melvin Stewart, USA  
1:59.56 Dave Wharton, USA  
2:00.03 Anthony Mosse, NZL  
2:00.50 Jon Kelly, CAN  
2:00.82 Kunio Sugimoto, JPN  
2:00.99 Martin Roberts, AUS  
2:01.86 Gary van der Meulen, CAN  
2:03.09 Anthony Nesty, SUR  
**100 IM Aug. 20**  
2:00.11w Dave Wharton, USA  
(26.15, 57.20, 1:32.32)  
2:02.83 Ron Karnaugh, USA  
2:03.19 Gary Anderson, CAN  
2:03.66 Darren Ward, CAN  
2:06.59 Rodrigo Gonzalez, MEX  
2:07.35 Shuichi Nakamura, JPN  
2:07.52 Jun Xie, CHN  
2:08.33 Alex Macorig, AUS  
**400 IM Aug. 18**  
4:16.14 Dave Wharton, USA  
4:17.02 Eric Namesnik, USA  
4:23.61 Raymond Brown, CAN  
4:28.26 Takahiro Fujimoto, JPN  
4:28.81 Brent Harding, AUS  
4:31.48 Mike Melidrum, CAN  
4:32.40 Alex Macorig, AUS  
4:33.35 Shuichi Nakamura, JPN  
**400 MR Aug. 20**  
3:39.27 USA  
3:43.42 Canada  
3:46.75 Australia  
3:47.81 China  
3:50.87 New Zealand  
3:56.86 Korea  
DQ Japan  
**400 FR Aug. 19**  
3:17.75 USA  
3:22.39 Australia  
3:24.23 Canada  
3:28.68 Japan  
3:49.27 Guam  
DQ New Zealand  
**800 FR Aug. 18**  
7:20.87 USA  
7:25.13 Canada  
7:25.56 Australia  
7:39.33 Japan  
7:43.41 New Zealand

**USA-URS DUAL MEET**  
**Woodruff P.E. Center Pool**  
**Emory University**  
**Atlanta, Georgia**  
**Aug. 24-26, 1989 (50 M)**

**WOMEN**  
**50 Free**  
25.88 Leigh Ann Fetter, USA  
26.18 Jenny Thompson, USA  
26.96 Elena Kurchina, URS  
27.12 Svetlana Isakova, URS  
**Non-scoring:**  
26.47 Nicole Halslett, USA  
26.81 Allison Bock, USA

27.30 Natalia Tretlova, URS  
**100 Free**  
56.56 Jenny Thompson, USA  
56.56 Nicole Halslett, USA  
57.92 Natalia Tretlova, URS  
57.98 Elena Kurchina, URS  
**Non-scoring:**  
57.37 Mitzi Kremer, USA  
57.55 Allison Bock, USA  
58.15 Svetlana Isakova, URS  
**200 Free**  
2:00.47 Mitzi Kremer, USA  
2:02.52 Julie Kole, USA  
2:03.28 Natalia Tretlova, URS  
2:04.08 Iyana Shamirova, URS  
**Non-scoring:**  
2:03.35 Jenny Thompson, USA  
2:03.49 Barb Metz, USA  
2:08.20 Evgeniya Malisheva, URS  
**400 Free**  
4:06.97 Janet Evans, USA  
4:13.14 Mitzi Kremer, USA  
4:21.84 Natalia Tretlova, URS  
4:29.84 Evgeniya Malisheva, URS  
**Non-scoring:**  
4:14.46 Julie Kole, USA  
4:16.40 Barb Metz, USA  
**800 Free**  
8:24.73 Janet Evans, USA  
8:42.20 Julie Kole, USA  
8:49.42 Iyana Shamirova, URS  
9:22.40 Evgeniya Malisheva, URS  
**Non-scoring:**  
8:45.22 Barb Metz, USA  
**100 Back**  
1:03.18 Lea Loveless, USA  
1:03.65 Anne Mahoney, USA  
1:04.06 Natalia Shibaeva, URS  
1:09.75 Elena Kurchina, URS  
**Non-scoring:**  
1:05.44 Dede Trimble, USA  
**200 Back**  
2:14.87 Dede Trimble, USA  
2:16.02 Lea Loveless, USA  
2:18.07 Natalia Shibaeva, URS  
**100 Breast**  
1:10.07 Elena Volkova, URS  
1:11.56 Svetlana Kuzmina, URS  
1:11.98 Mary Ellen Blanchard, USA  
1:12.18 Lori Heisick, USA  
**Non-scoring:**  
1:12.59 Julia Bogacheva, URS  
**200 Breast**  
2:30.67 Elena Volkova, URS  
2:30.96 Svetlana Kuzmina, URS  
2:33.56 Mary Ellen Blanchard, USA  
2:36.18 Lori Heisick, USA  
**Non-scoring:**  
2:31.05 Julia Bogacheva, URS  
**100 Fly**  
1:00.65 Jenna Johnson, USA  
1:01.48 Jenny Thompson, USA  
1:02.70 Natalia Iakovleva, URS  
1:03.95 Svetlana Isakova, URS  
**Non-scoring:**  
1:01.93 Pam Minthorn, USA  
1:02.28 Lori Holmes, USA  
**200 Fly**  
2:11.69 Summer Sanders, USA  
2:13.39 Pam Minthorn, USA  
2:18.93 Natalia Iakovleva, URS  
**Non-scoring:**  
2:13.76 Michelle Grigione, USA  
**200 IM**  
2:16.65 Mary Ellen Blanchard, USA  
2:16.94 Summer Sanders, USA  
2:18.00 Iyana Shamirova, URS  
2:19.63 Julia Bogacheva, URS  
**Non-scoring:**  
2:19.00 Michelle Grigione, USA  
**400 IM**  
4:41.23 Janet Evans, USA  
4:51.36 Michelle Grigione, USA  
4:59.14 Julia Bogacheva, URS  
Iyana Shamirova, URS  
**400 MR**  
4:09.78 USA  
4:13.93 USSR  
**Non-scoring:**  
4:14.10 USA B  
**400 FR**  
3:46.21 USA  
3:53.10 USSR  
**Non-scoring:**  
3:51.00 USA B

**MEN**  
**50 Free**  
22.67 Vladimir Tkachenko, URS  
22.69 Steve Crocker, USA  
22.96 Brent Lang, USA  
23.06 Evgeniy Kotriaga, URS  
**Non-scoring:**  
23.17 Doug Boyd, USA  
23.26 Raimundas Mazuolis, URS  
23.58 Dmitriy Volkov, URS  
**100 Free**  
50.03 Brent Lang, USA  
50.37 Doug Gjertsen, USA  
50.72 Raimundas Mazuolis, URS  
50.82 Alexey Borislavsky, URS  
**Non-scoring:**  
50.68 Jon Olsen, USA  
50.95 Yuriy Bashkatov, URS  
51.24 Veniamin Tajanovich, URS  
51.28 Doug Boyd, USA  
**200 Free**  
1:49.68 Doug Gjertsen, USA  
1:49.79 Veniamin Tajanovich, URS

1:50.26 Melvin Stewart, USA  
1:53.24 Yuriy Bashkatov, URS  
**Non-scoring:**  
1:53.66 Dan Jorgensen, USA  
**400 Free**  
3:54.48 Doug Gjertsen, USA  
3:55.69 A. Gaidukovich, URS  
3:56.74 Jon Olsen, USA  
3:56.86 Veniamin Tajanovich, URS  
**Non-scoring:**  
3:58.18 Dan Jorgensen, USA  
3:58.58 Evgeniy Logvinov, URS  
**1500 Free**  
15:21.71 Lars Jorgensen, USA  
15:23.00 A. Gaidukovich, URS  
15:37.23 Eric Namesnik, USA  
15:42.91 Evgeniy Logvinov, URS  
**100 Back**  
56.08 Sergey Zabolotnov, URS  
56.31 Jeff Rouse, USA  
57.34 Scott Johnson, USA  
57.41 Vladimir Selkov, URS  
**200 Back**  
2:01.88 Sergey Zabolotnov, URS  
2:02.03 Dan Veatch, USA  
2:02.32 Vladimir Selkov, URS  
2:02.78 Scott Johnson, USA  
**100 Breast**  
1:01.96 Dmitriy Volkov, URS  
1:02.73 Richard Korhammer, USA  
1:03.20 Vadim Alexeev, URS  
1:03.30 Nelson Diebel, USA  
**Non-scoring:**  
1:03.76 Valery Lozik, URS  
**200 Breast**  
2:13.25 Mike Barrowman, USA  
2:18.71 Valery Lozik, URS  
2:19.38 Ron Karnaugh, USA  
2:20.58 Vadim Alexeev, URS  
**100 Fly**  
53.71 Wade King, USA  
54.68 Vadim Yaroshuk, URS  
55.15 Melvin Stewart, USA  
55.79 Alexander Savchenko, URS  
**Non-scoring:**  
56.02 Vladimir Kovalskiy, URS  
**200 Fly**  
1:58.94 Melvin Stewart, USA  
1:59.87 Dave Wharton, USA  
2:01.81 Vadim Yaroshuk, URS  
2:03.04 Alexander Savchenko, URS  
**200 IM**  
2:01.64 Dave Wharton, USA  
2:03.20 Ron Karnaugh, USA  
2:04.38 Vadim Yaroshuk, URS  
2:06.71 Mikhail Zubkov, URS  
**Non-scoring:**  
2:05.18 Eric Namesnik, USA  
2:07.17 Sergey Mariniuk, URS  
**400 IM**  
4:18.75 Dave Wharton, USA  
4:21.00 Eric Namesnik, USA  
4:26.59 Sergey Mariniuk, URS  
4:29.60 Mikhail Zubkov, URS  
**400 MR**  
3:41.65 URS  
DQ USA  
**400 FR**  
3:19.95 URS  
3:20.44 USA

### NATIONAL

**U.S. SWIMMING**  
**JUNIOR OLYMPIC**  
**CHAMPIONSHIPS-EAST**  
**State University at Buffalo**  
**Buffalo, New York**  
**August 8-12, 1989 (50 M)**

**\*\* National Junior Olympic Record**  
**\*\* Junior Olympic-East Record**

**WOMEN**  
**50 Free**  
26.69 Tina Hinton, Decatur  
26.81 Heather Blackmon, Meck.  
27.07 Amy Klein, Meck.  
27.12 Jessica Montegut, Dayton  
27.24 Sarah Newman, CYMCA  
27.27 Andrea Morrison, Nashville  
27.33 Stacy Porter, APT  
27.45 Patty Koehler, Maconaquah  
**100 Free**  
58.35 Jennifer Berger, Michiana  
58.45 Heather Blackmon, Meck.  
58.57 Tina Hinton, Decatur  
58.76 Kathleen Wilcox, AASC  
58.92 Anne Wozniak, Amherst  
59.02 Jenny Kleeman, Palatine

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# Nationals, Major Meet Comparisons

\*\* World Record  
\* National Record

WOMEN		50 Free	100 Free	200 Free	400 Free	800 Free	100 Back	200 Back	100 Breast	200 Breast	100 Fly	200 Fly
PAN-PACIFIC		Jenny Thompson USA 25.85	Yong Zhuang CHN 55.68	Patricia Noall CAN 2:00.87	Janet Evans USA 4:04.53	Janet Evans USA 8:16.22**	Lea Loveless USA 1:02.69	Dede Trimble USA 2:13.76	Kellie Duggan CAN 1:09.79	Mary E. Blanchard USA 2:32.02	Hong Qian CHN 1:00.45	Rie Shito JPN 2:11.29
EUROPEAN CHAMPIONSHIPS		Catherine Plewinski FRA 25.63	Katrin Meissner GDR 55.38	Manuela Stellmach GDR 1:58.93	Anke Mohring GDR 4:05.84	Anke Mohring GDR 8:23.99	Kristin Otto GDR 1:01.86	Dagmar Hase GDR 2:12.46	Susanne Bornicke GDR 1:09.55	Susanne Bornicke GDR 2:27.77	Catherine Plewinski FRA 59.08	Kathleen Nord GDR 2:09.33
USA-USSR DUAL		Leigh Ann Fetter USA 25.85	Jenny Thompson USA 56.56	Mitzi Kremer USA 2:00.47	Janet Evans USA 4:06.97	Janet Evans USA 8:24.73	Lea Loveless USA 1:03.18	Dede Trimble USA 2:14.87	Elena Volkova USA 1:10.07	Elena Volkova USA 2:30.67	Jenna Johnson USA 1:00.65	Summer Sanders USA 2:11.69
EUROPEAN JUNIORS			Sandra Henke GDR 57.65	Sandra Gutsche GDR 2:02.65	Sandra Gutsche GDR 4:15.52	Carola Kynast GDR 8:46.63	Kristina Egerszegi HUN 1:02.24	Kristina Egerszegi HUN 2:10.69	Julia Landik URS 1:10.88	Marina Tarasova URS 2:32.69	Peggy Conrad GDR 1:02.89	Peggy Conrad GDR 2:12.19
NJO-EAST		Tina Hinton Decatur 26.69	Jennifer Berger Michiana Marlins 58.35	Trish McHardy Mecklenburg 2:06.27	Michelle Reed Dynamo 2:07.75	Karen Barnes Michiana Marlins 8:58.55	Melissa Dalrymple Wilmington 1:05.55	Julie Weaver Olympia 2:20.84	Megan Kleine Brookhill 1:13.46	Brandy Wood North Baltimore 2:38.98	Mary Ellen Dwane Somerset Valley 1:02.97	Ashli Gaines Greenville 2:20.36
NJO-WEST		Alison Terry Heartland 26.78	Wendy Cuthbert City of Plano 58.26	Megan Oesting Chinook 2:04.47	Kim Martin Fullerton 4:19.82	Christine Otto Golden West 8:52.49	Mary Edwards Solo 1:05.12	Natalie Norberg Industry Hills 2:19.36	Deborah Kory San Pedro Y 1:13.96	Deborah Kory San Pedro Y 2:38.78	Margaret Reece Woodside 1:03.89	Margaret Reece Woodside 2:18.26
AUSTRALIA		Karen Van Wierdum 26.53	Karen Van Wierdum 57.27	Donna Procter 2:04.26	Donna Procter 4:14.14	Janelle Elford 8:35.75	Nicole Livingstone 1:04.41	Nicole Livingstone 2:16.35	Lara Hooiveld 1:11.44	Lara Hooiveld 2:36.41	Fiona Allesandri 1:01.75	Megan Johnston 2:14.58
CANADA		Kristin Topham 26.26	Jane Kerr 57.42	Patricia Noall 2:03.13	Joanne Currah 4:19.06	Michelle Saltee 8:50.30	Anne-M. Andersen 1:04.25	Anne Barnes 2:17.90	Kellie Duggan 1:10.01	Nathalie Giguere 2:32.61	Nancy Sweetnam 1:02.21	Mojca Cater 2:15.09
CZECHOSLOVAKIA		Linda Svetlikova 27.35	Linda Svetlikova 59.19	Silvia Rusinova 2:07.70	Dilga Spichalova 4:19.98*	Dilga Spichalova 8:51.74*	Jana Korbasova 1:05.43	Jana Korbasova 2:18.66*	Magda Spichalova 1:12.73	Magda Spichalova 2:35.46	Eva Klatova 1:02.42	Eva Klatova 2:22.52
DENMARK		Gitta Jensen 26.18*	Gitta Jensen 56.19*	Mette Jacobsen 2:01.88	Mette Jacobsen 4:17.51	Eva Mortensen 8:50.51	Mette Jacobsen 1:07.06	Tine Lund 2:22.58	Malena Mantzius 1:14.18	Lina Ronn Poulsen 2:40.36	Mette Jacobsen 1:02.15*	Mette Jacobsen 2:14.82*
GDR		Daniela Hunger 25.51	Katrin Meissner 55.72	Manuela Stellmach 1:58.66	Anke Mohring 4:08.63	Anke Mohring 8:29.13	Kristin Otto 1:01.77	Kristin Otto 2:12.74	Silke Horner 1:08.33	Susanne Bornicke 2:28.42	Kathleen Nord 1:00.95	Kathleen Nord 2:11.31
GREAT BRITAIN		Caroline Woodcock 26.49	Karen Pickering 58.21	Joanna Coull 2:05.23	Karen Mellor 4:22.37	Karen Mellor 8:53.39	Katharine Read 1:04.70	Katharine Read 2:16.11	Suki Brownson 1:11.55	Debbie Tubby 2:47.33	M. Scarborough 1:02.05	Samantha Purvis M. Scarborough 2:15.24
ITALY		Silvia Persi 27.08	Silvia Persi 57.74	Orietta Patron 2:02.98	Manuela Melchiorri 4:14.81	Manuela Melchiorri 8:40.97	Lorenza Vigarani 1:04.02	Lorenza Vigarani 2:14.11*	Manuela Dalla Valle 1:11.47	Annalisa Nisiro 2:32.79	Manuela Carosi 1:02.34	Manuela Melchiorri 2:16.26
JAPAN		Mayumi Yamashita 26.90	Ayako Nakano 57.98	Suzu Chiba 2:04.44	Miki Wakahoi 4:21.14	Tomomi Hosoda 8:55.41	Chikako Takase 1:03.98	Chikako Takase 2:14.37*	Chifumi Yamaga 1:12.26	Asako Natsume 2:36.77	Rie Shito 1:01.71	Rie Shito 2:13.90
ROMANIA		Tamara Costache 26.51	Luminita Dobrescu 57.40	Luminita Dobrescu 2:02.29	Luminita Dobrescu 4:15.51	Carmen Rosioru 8:56.31	Aneta Patrascolu 1:04.23	Aneta Patrascolu 2:17.01	Tamara Costache 1:15.37	Beatrice Coadă 2:39.28	Diana Ureche 1:03.70	Stela Pura 2:14.23
SWEDEN		Helena Aberg 26.46	Eva Nyberg 57.98	Eva Nyberg 2:05.09	Eva Nyberg 4:22.94	Asa Blom 8:02.94	Johanna Larsson 1:05.90	Johanna Larsson 2:17.84	Anna-K. Persson 1:13.36	Anna-K. Persson 2:38.53	Therese Lundin 1:02.64	Therese Lundin 2:18.41
USA		Leigh Ann Fetter 25.55	Nicole Haislett 56.15	Julie Kole 2:06.73	Janet Evans 4:06.73	Janet Evans 8:22.11	Betsy Mitchell 1:02.37	Kristen Linehan 2:14.01	Tracey McFarlane 1:09.88	Mary E. Blanchard 2:31.59	Pam Minthorn 1:01.12	Pam Minthorn 2:11.88
USSR		Irina Gapon 26.82	Natalia Treflova 57.21	Natalia Treflova 2:01.96	Natalia Treflova 4:14.65	Natalia Treflova 8:45.82	Natalia Shibaeva 1:04.41	Natalia Shibaeva 2:15.10	Elena Volkova 1:10.38	Elena Volkova 2:30.13	Natalia Yakovleva 1:02.91	Natalia Yakovleva 2:17.04
WEST GERMANY		Marion Alzporz 26.20	Marion Alzporz 56.97	Stephanie Ortwig 2:01.66	Stephanie Ortwig 4:14.19	Sonja Nimitz 8:42.69	Marion Alzporz 1:03.73	Marion Zoller 2:18.44	Alexandra Hanel 1:10.96	Alexandra Hanel 2:33.31	Susanne Bosserhof 1:02.24	Gabi Reha 2:13.97
MEN		50 FREE	100 FREE	200 FREE	400 FREE	1500 FREE	100 BACK	200 BACK	100 BREAST	200 BREAST	100 FLY	200 FLY
PAN PACIFIC		Tom Jager USA 22.12**	Brent Lang USA 49.56	Doug Gjertsen USA 1:49.09	Turlough O'Hare CAN 3:52.89	Glen Housman AUS 15:06.00	Jeff Rouse USA 56.34	Dan Vatch USA 2:01.27	R. Korhammer USA 1:02.95	Mike Barrowman USA 2:12.89p**	Anthony Nesty SUR 53.80	Meivyn Stewart USA 1:59.40
EUROPEAN CHAMPIONSHIPS		Vladimir Tkachenko URS 22.64	Giorgio Lamberti ITA 49.24*	Giorgio Lamberti ITA 1:48.69**	Artur Wojdat POL 3:47.78	Stefan Pfeiffer FRG 15:14.96	M. Lopez-Zubero ESP 56.44	Stefano Battistelli ITA 1:59.96	Adrian Moorhouse GBR 1:01.71	Nick Gillingham GBR 2:12.90**	Rafai Szukala POL 54.47	Tamas Darnyi HUN 1:58.87
USA-USSR DUAL		Vladimir Tkachenko URS 22.67	Brent Lang USA 50.03	Doug Gjertsen USA 1:49.68	Doug Gjertsen USA 3:54.48	Lars Jorgensen USA 15:21.71	Sergey Zabolotnov URS 56.08	Sergey Zabolotnov URS 2:01.88	Omitry Volkov URS 1:01.96	Mike Barrowman USA 2:13.25	Wade King USA 53.71	Malvin Stewart USA 1:58.94
EUROPEAN JUNIORS			Raymondas Majolis URS 50.41	Christian Keller FRG 1:51.48	Sebastian Wiese GDR 3:56.76	Sebastian Wiese GDR 15:29.13	Ralf Braun GDR 59.05	Ralf Braun GDR 2:04.78	F. Postiglione ITA 1:05.03	F. Postiglione ITA 2:21.97	Dimitri Kudinov URS 56.06*	Dimitri Kudinov URS 2:03.19
NJO-EAST		Chris Compton Greensboro 23.72	Joe Huddephol Pepsi Marlins 51.91	Alec Mull Spartan 1:53.74	Brian Barnes Michiana Marlins 4:03.26	Sean Gowrie Phoenix 15:58.71	Robert Brewer Tara Tarpons 58.25	James Wells Peddie 2:05.35	Matt Monaghan Marauders 1:06.54	Eric Jones Seacoast 2:24.08	Ray Carey Bernal's Gators 56.19	Mike Merrell Mecklenburg 2:03.76
NJO-WEST		Chad Rolfs Barracuda 23.66	Chad Rolfs Barracuda 51.55	Brian Retterer Reno 1:52.97	Scott Hubbard AHR 3:58.28	Kelan Holloway Space City 15:45.09	Andy Kurtz ABC 58.76	Can Ergenekan Tualatin Hills 2:07.54	Paul Nelsen Nebraska 1:04.85	Paul Nelsen Nebraska 2:22.04	Casey Hall Industry Hills 56.34	Can Ergenekan Tualatin Hills 2:03.59
AUSTRALIA		Andrew Baildon 23.16	Andrew Baildon 50.3	T. Stachewicz 1:49.78	Glen Housman 3:54.58	Glen Housman 15:11.25	T. Stachewicz 57.45	Matthew McQuadi 2:07.53	Philip Rogers 1:04.08	Rodney Lawson 2:27.12	Andrew Baildon 54.83	Martin Roberts 1:59.68
CANADA		Sandy Goss 23.50	Sandy Goss 50.45*	Turlough O'Hare 1:51.43	Chris Bowie 3:55.73	Harry Taylor 15:32.58	Mark Tewksbury 56.95	Gary Anderson 2:02.91	Jon Cleveland 1:02.77	Jon Cleveland 2:17.79	Marcel Gery 54.53	Tom Ponting 2:01.19
CZECHOSLOVAKIA		Petr Klaviva 23.43	Petr Klaviva 51.51	Ludek Burian 1:55.00	Andrej Fabisik 4:02.84	Jaromir Henys 15:59.60	Jiri Petrovic 56.13	Marek Ranis 2:04.81	Alexander Marcek 1:04.49	Radek Beinhauer 2:17.57	Vladimir Dornak 55.94	Jiri Mikula 2:05.98
DENMARK		Peter Rohde 23.44	Peter Rohde 51.50	Franz Mortensen 1:52.36	Franz Mortensen 4:03.72	Casper Jorgensen 16:09.58	Lars Sorensen 57.06	Lars Sorensen 2:02.75*	Christian Toft 1:06.45	Lars Bang 2:25.85	Jan Larsen 56.43	Jan Larsen 2:03.17
GDR		Nils Rudolph 22.75	Nils Rudolph 50.61	Uwe Dassler 1:50.17	Uwe Dassler 3:51.93	Jorg Hoffmann 15:14.96	Tino Weber 56.62	Tino Weber 2:01.39	Ralph Farber 1:02.76*	Thomas Muller 2:18.59*	Uwe Schnabel 55.54	Raik Hannemann 2:01.75
GREAT BRITAIN		Mike Fibbens 23.87	Mike Fibbens 51.68	J. Broughton 1:53.34	Campbell McNeil 3:58.84	Kevin Boyd 15:44.19	Gary Binfield 58.52	Gary Binfield 2:05.26	Adrian Moorhouse 1:03.31	Nick Gillingham 2:18.45	David Parker 55.33	Alastair Quinn 2:05.08
ITALY		Antonio Consiglio 23.54	Massimo Trevisan Alessandro Ciucci 51.79	Giorgio Lamberti 1:48.17	Massimo Trevisan 3:53.08	Massimiliano Bensi 15:19.92	Mauri Marini 58.50	Stefano Battistelli 2:00.98	Lorenzo Carbonari 1:04.45	M. Capelli 2:18.08	Marco Braica 55.65	Marco Braica 2:01.45
JAPAN		Katsunori Fujiwara 24.24	Katsunori Fujiwara 52.63	Hidenori Yamanaka 1:55.05	Takafumi Asahara 4:01.03	Masashi Kato 15:51.77	S. Maruyama 57.92	Hajime Itoi 2:05.68	Takeshi Tanaka 1:05.20	Hiroshi Fujieda 2:22.00	Kunio Sugimoto 56.14	Kunio Sugimoto 2:01.84
ROMANIA		Ionut Musat 23.20	Robert Sovar 53.00	Cristian Ponta 1:56.32	Cristian Ponta 4:09.25	Catalin Hazota 16:04.84	Marius Crisan 59.93	Marius Crisan 2:08.51	Laszlo Bay Dan Dragulet 1:08.45	Dan Oragulet 2:27.74	Flavius Visan 56.09	Flavius Visan 2:04.60
SWEDEN		Goran Titus 23.08	Tommy Werner 50.69	Anders Holmertz 1:48.15	Anders Holmertz 3:53.72	Stefan Persson 15:29.05	Nicklas Hakansson 58.27	Anders Kroon 2:06.76	Jan Stansson 1:04.78	Jan Bidman 2:20.94	Christer Wallin 55.87	Christer Wallin 2:02.41
USA		Matt Biondi 22.36	Brent Lang 50.17	Doug Gjertsen 1:48.70	Dan Jorgensen 3:50.88	Lars Jorgensen 15:17.33	Geoff Cronin 56.14	Dan Vatch 2:02.09	Rich Schroeder 1:02.46	Mike Barrowman 2:14.74	Wade King 2:12.90**	Meivyn Stewart 53.72
USSR		Vladimir Tkachenko 22.85	Raymondas Majolis 50.37	V. Tajanovich 1:50.10	Evgeni Logvinov 3:54.36	A. Gaydukevich 15:29.29	Sergei Zabolotnov 56.43	Vladimir Selkov 2:01.46	Vladim Alekseev 1:02.11	Valeri Lozik 2:17.05	Vladimir Kovalski 55.05	Vadim Yaroshuk 2:00.61
WEST GERMANY		Bernd Hoffmeister 23.30	Andre Schadt 50.77	Peter Sitt 1:50.13	Stefan Pfeiffer 3:51.78	Stefan Pfeiffer 15:18.83	Frank Hoffmeister 56.95	Frank Hoffmeister 2:01.53	Mark Warnecke 1:03.26	Jens Beck 2:18.70	Martin Herrmann 54.94	Martin Herrmann 2:01.49

# For the Record

<b>PAN PACIFIC</b>	<b>200 IM</b> Lin Li China 2:14.69	<b>400 IM</b> Janet Evans USA 4:39.38	<b>400 MR</b> USA 4:09.93	<b>400 FR</b> USA 3:43.63	<b>800 FR</b> USA 8:03.33
<b>EUROPEAN CHAMPIONSHIPS</b>	Daniela Hunger GDR 2:13.26	Daniela Hunger GDR 4:41.82	GDR 4:07.40	GDR 3:42.46	GDR 7:58.54
<b>USA-USSR DUAL</b>	Mary E. Blanchard USA 2:16.65	Janet Evans USA 4:41.23	USA 4:09.78	USA 3:46.21	
<b>EUROPEAN JUNIORS</b>	Kristina Egerszegi HUN 2:16.03	Kristina Egerszegi HUN 4:45.42	GDR 4:16.36	GDR 3:51.13	GDR 8:19.38
<b>NJO-EAST</b>	Darby Chang Old Dominion 2:22.62	Hillary Krug Pine Crest 5:00.94	Mecklenburg 4:25.68	Mecklenburg 3:56.90	Michlana Marlins 8:33.37
<b>NJO-WEST</b>	Katy Lukens Las Vegas Gold 2:22.37	Lorena Munoz Mission Viejo 4:56.90	Tualatin Hills 4:26.10	So. California 3:58.83	Mission Viejo 8:29.42
<b>AUSTRALIA</b>	Leah Broderick 2:19.10	Donna Procter 4:44.88			
<b>CANADA</b>	Nancy Sweetnam 2:18.66	Patricia Noall 4:52.52	Etoilcoke Pepsi 4:18.11	Etoilcoke Pepsi 3:51.67	North York 8:21.45
<b>CZECHOSLOVAKIA</b>	Hana Cerna 2:23.71	Hana Cerna 5:02.75	Vysobe s. Praha 4:27.94	Ruda h. Brno 4:03.32	Carvena h. Kosice 4:47.54
<b>DENMARK</b>	Gitta Jensen 2:20.46	Annette Poulsen 4:59.69	Holstebro 4:34.36	SGI Esbjerg 4:00.65	Kvik Kastруп 8:42.05
<b>GDR</b>	Daniela Hunger 2:13.69	Grit Muller 4:42.42	DHMK Leipzig 4:09.54	Dynamo Berlin 3:43.24	Dynamo Berlin 8:15.64
<b>GREAT BRITAIN</b>	Sharon Davies 2:19.28	Suki Brownson 4:51.91	Wigan Wasps 4:27.29	City of Birmingham 4:58.54	
<b>ITALY</b>	Roberta Felotti 2:19.88	Roberta Felotti 4:53.11	Lib. SA-FA 4:21.23	Roma N. 3:57.40	RN Calpeda Veneto 8:31.53
<b>JAPAN</b>	Eri Kimura 2:21.44	Eri Kimura 4:54.33			
<b>ROMANIA</b>	Aneta Patrascolu 2:19.51	Noemi Lung 4:50.78	Dinamo Bucuresti 4:25.10	Dinamo Bucuresti 3:58.70	Resita 8:32.60
<b>SWEDEN</b>	Helena Kalvehed 2:21.32	Anna-Lena Nilsson 5:02.81	Kristianstads SLS 4:26.61	Heisingborgs SS 3:56.18	Malmö KK 8:29.93
<b>USA</b>	Janet Evans 2:15.15	Janet Evans 4:39.36	Longhorn 4:13.73	Longhorn 3:45.92	Longhorn 8:11.54
<b>USSR</b>	Yana Shamara 2:18.22	Julia Bogacheva 4:54.10	Russia 4:16.55	Russia 3:51.59	Russia 8:17.08
<b>WEST GERMANY</b>	Alexandra Hanel 2:19.02	Petra Haussmann 4:56.09	EDSC Offenbach 4:22.38	EDSC Offenbach 3:54.31	EDSC Offenbach 8:25.91
<b>PAN PACIFIC</b>	<b>200 IM</b> Dave Wharton USA 2:00.11**	<b>400 IM</b> Dave Wharton USA 4:16.14	<b>400 MR</b> USA 3:39.27	<b>400 FR</b> USA 3:17.75	<b>800 FR</b> USA 7:20.87
<b>EUROPEAN CHAMPIONSHIPS</b>	Tamas Darnyi HUN 2:01.03	Tamas Darnyi HUN 4:15.25	URS 3:41.44	FRG 3:19.68	ITA 7:15.39
<b>USA-USSR DUAL</b>	Dave Wharton USA 2:01.64	Dave Wharton USA 4:18.75	USA 3:40.23	URS 3:19.95	
<b>EUROPEAN JUNIORS</b>	Christian Keller FRG 2:07.05	Ralf Domschke GDR 4:33.02	URS 3:50.21	URS 3:25.42	URS 7:33.91
<b>NJO-EAST</b>	Jonathan Jennings SwimAtlanta 2:07.19	Jeb Slowik Piedmont 4:33.15	SwimAtlanta 3:53.77	SwimAtlanta 3:29.69	SwimAtlanta 7:46.18
<b>NJO-WEST</b>	Paul Nielsen Nebraska 2:06.45	Paul Nielsen Nebraska 4:29.36	Mesa 3:57.06	Mesa 3:33.94	The Woodlands 7:48.22
<b>AUSTRALIA</b>	Martin Roberts 2:05.16	Brent Harding 4:26.61			
<b>CANADA</b>	Gary Anderson 2:03.62	Raymond Brown 4:27.16	Univ. of Calgary 3:44.80	Etoilcoke Pepsi 3:28.46	Univ. of Calgary 7:32.66
<b>CZECHOSLOVAKIA</b>	Andrej Fabisek 2:07.37	Andrej Fabisek 4:33.65	Ruda h. Brno 3:49.60*	Ruda h. Brno 3:29.69*	Ruda h. Brno 7:49.08
<b>DENMARK</b>	Lars Sorensen 2:04.58	Lars Sorensen 4:23.44*	Holstebro 3:54.00	Holstebro 3:32.33*	Holstebro 7:43.86*
<b>GDR</b>	Ralf Hannemann 2:02.75	Patrick Kuhl 4:16.63*	Dynamo Berlin 3:47.34	Dynamo Berlin 3:23.81	Dynamo Berlin 7:24.70
<b>GREAT BRITAIN</b>	Grant Robins 2:06.05	Paul Brew 4:26.45	City of Leeds 3:49.27	City of Leeds 3:30.14	
<b>ITALY</b>	Stefano Battistelli 2:03.61	Luca Sacchi 4:23.61	Carabinieri 3:53.07	Leonessa N. 3:26.78	Leonessa N. 7:38.67
<b>JAPAN</b>	Y. Mizumoto 2:07.02	Y. Mizumoto 4:30.06			
<b>ROMANIA</b>	Marian Satolnaru 2:08.97	Marian Satolnaru 4:41.70	Steaua Bucuresti 4:00.10	Dinamo Bucuresti 3:33.23	Dinamo Bucuresti 8:01.89
<b>SWEDEN</b>	Jan Bidman 2:05.29	Jan Bidman 4:23.50	Stockholms. IF 3:52.41	Upsala SS 3:27.82	Malmö KK 7:32.04
<b>USA</b>	Dave Wharton 2:01.48	Dave Wharton 4:15.93*	Fort Lauderdale 3:45.26	Longhorn 3:22.00	Longhorn 7:22.78
<b>USSR</b>	Vadim Yaroshuk 2:04.63	Sergei-Marinuk 4:25.69	Ukraine 3:47.66	Ukraine 3:22.15	Moscow 7:38.34
<b>WEST GERMANY</b>	Peter Bernel 2:04.47	Peter Bernel 4:29.20	SG Oarmstadt 3:48.53	SV Rhenania Köln 3:24.96	SV Rhenania Köln 7:30.35

59.41	Amy DeVasher, Tuscaloosa	400 FR	Mecklenburg
1:00.12	Erin Jones, C-B	50 Free	Chris Compton, Greensboro
2:06.27	Trish McHardy, Meck.	23.82	Clyde Lundgren, BP
2:06.28	Jennifer Berger, Michiana	23.90	Joe Hudspeth, CPM
2:06.42	Karen Barnes, Michiana	24.27	R. Van Tassel, Alex. Y
2:06.46	Michelle Reed, Dynamo	24.36	D. Alan Nelson, FLST
2:06.57	Lisa Rhodes, Michiana	24.43	Alan Sergie, SA
2:06.99	Ellen Lucey, Rock-Mont	24.50	Chad Alston, Fort Eustis
2:08.34	Clare McShane, Phoenix	100 Free	51.91
2:08.35	Jenny Kleeman, Palatine	51.91	Joe Hudspeth, CPM
4:20.75	Michelle Reed, Dynamo	52.22	Clyde Lundgren, BP
4:24.23	Annette Salmeen, AAC	52.27	Rob Hudock, SA
4:24.75	Trish McHardy, Meck.	52.41	Chris Compton, Greensboro
4:25.59	Karen Barnes, Michiana	52.50	R. Van Tassel, Alex. Y
4:26.06	Julie Mills, DBY	52.88	D. McDaniels, Greensboro
4:26.87	Regan Stacey, Malvern	52.98	Alec Mull, Spartan
4:28.79	Erika Orms, Sylvania	53.13	Tony Blake, Joliet Jets
4:31.19	Jennifer Berger, Michiana	200 Free	1:53.74
8:58.55	Karen Barnes, Michiana	1:53.90	Stephanie Campbell, DR
9:00.59	Trish McHardy, Meck.	1:54.15	Lori Williams, Kids
9:01.89	Katie Girard, Zwicker	1:54.98	Alec Humphrey, Marist
9:04.18	Jennifer Schmidt, ODAC	1:55.25	Michelle DeBar, Phoenix
9:04.18	Jessica Grass, Pilot	1:55.38	Chris Desmarais, NBAC
9:05.58	Kim Madden, NJW	1:57.02	Kath Green, GAX
9:05.58	Minissa McNeerney, Badger	1:58.69	Rob Hudock, SA
9:07.25	Julie Mills, DBY	400 Free	4:03.26
15:00 Free		4:03.40	Sean Gowrie, Phoenix
15:01.80	Milosa McNeerney, Badger	4:03.78	James Wells, Peddie
15:05.82	Heather Gravin, Hurr.	4:05.43	Austin Lindsey, Trinity
15:07.22	Kim Madden, NJW	4:05.87	Jeb Slowik, Peddie
15:07.89	Karen Barnes, Michiana	4:06.30	Mitch Cretzer, STAR
15:08.86	Jessica Grass, Pilot	4:08.15	Benjamin McBride, Peddie
15:15.40	Katie Girard, Zwicker	4:13.70	Timothy Herwig, C-B
15:15.40	Erika Orms, Sylvania	800 Free	8:22.50
15:16.03	Jennifer Schmidt, ODAC	8:23.54	Michael Covert, Metro
100 Back		8:23.74	Peter Wright, JW
1:05.55	Melissa Dairymple, Wilm.	8:27.89	Brian Varnell, GAX
1:05.99	Stephanie Campbell, DR	8:27.93	Brian Livingston, Seacoast
1:06.07	Lori Williams, Kids	8:28.19	Jim Petrichelli, NJW
1:06.29	Alec Humphrey, Marist	8:29.25	Kevin Doherty, Huntsville
1:06.41	Michelle DeBar, Phoenix	8:29.82	Rory Callaghan, Michiana
1:06.51	Heather Pearson, Memphis	15:00 Free	15:58.71
1:07.05	Laura Brown, CCG	15:58.71	Sean Gowrie, Phoenix
1:07.18	Stephanie Bowers, Alex. Y	16:00.25	Jim Petrichelli, NJW
200 Back		16:04.84	Michael Covert, Metro
2:20.84	Julie Weaver, Olympia	16:10.17	Brian Livingston, Seacoast
2:21.55	Jodi Schwab, STAR-Fla.	16:14.68	Jordan Vaneza, LIAC
2:21.64	Alec Humphrey, Marist	16:15.73	Rory Callaghan, Michiana
2:22.18	Natalie Karner, SA	16:15.78	Peter Wright, JW
2:22.58	Jamie Sorrentino, Meck.	16:15.82	Shawn Sathoff, Pine Crest
2:22.98	Stephanie Bowers, Alex. Y	100 Fly	58.25*
2:23.37	Stephanie Campbell, DR	58.25*	Robert Brewer, Tara
2:23.41	Jennifer Miller, Retriever	58.47	Tim Carver, Hurr.
11:46.45	Megan Kleine, Brookhill	58.83	Sean Goudson, Bernal's
11:46.86	Heather Blackmon, Meck.	59.00	Jonathan Jennings, SA
11:46.86	Michael Flaherty, KCO	59.03	James Wells, Peddie
11:51.61	Katie Carroll, Indian River	59.83	Terry Watts, ODAC
11:51.61	J. Bastalich, Maconaquah	1:00.05	Michael Andrews, BAY
11:58.88	Kelly Leaman, CPM	1:00.30	B. Bridgewater, STAR-Fla.
11:58.88	Megan Malchak, Retriever	200 Back	2:05.35*
200 Breast		2:05.69	B. Bridgewater, STAR-Fla.
2:38.98	Brandy Wood, NBAC	2:05.94	Sean Goudson, Bernal's
2:40.80	S. Munson, Poseidon	2:08.13	Brad Hoffman, B. Vernon
2:41.05	Jennifer Cohen, LFSC	2:08.67	John Lardas, Lake Erie
2:41.40	J. Bastalich, Maconaquah	2:09.09	Ariel Rad, Peddie
2:41.71	Megan Kleine, Brookhill	2:10.60	Robert Brewer, Tara
2:42.42	J. Peterson, STAR-Fla.	2:11.58	David Galluzzi, GAK
2:43.89	Michael Flaherty, KCO	100 IM	1:06.54
2:47.04	Katie Carroll, Indian River	1:06.58	Joe Sheehan, S&S
100 Fly		1:07.04	Eric Jones, Seacoast
1:02.97	Mary Ellen Dwane, SVLY	1:07.19	Ed Paradise, Malvern
1:04.07	Lisa Dubbe, ODAC	1:07.37	Max Dersch, SA
1:04.31	Annette Salmeen, AAC	1:07.72	David Hargis, G. Auburn
1:04.50	Rachel Slade, Allegheny N	1:07.78	Brent Cummings, Nashville
1:04.53	Jodi Schwab, STAR-Fla.	1:08.13	Chad Englehart, Decatur
1:05.57	Leslie Ramsey, CG	200 Breast	2:24.08
1:05.60	Erin Jones, C-B	2:24.18	Eric Jones, Seacoast
1:05.61	Jodee Lake, STAR-Fla.	2:24.67	Brent Woods, TO
200 Fly		2:25.34	Brent Cummings, Nashville
2:20.36	Ashli Gaines, Greenville	2:27.35	Joseph Rodriguez, TVSC
2:21.57	Alyson Dunleavy, WYW	2:27.47	Brian Roberts, Athens
2:21.77	Julie Veremey, Peddie	2:28.07	Matt Kohn, Peoria
2:21.88	Holly Sorensen, Badger	2:28.59	J. Fogglin, Atomic City
2:21.89	Heather Kelly, Gr. Pens.	100 Fly	56.19
2:22.05	Courtney Wald, Poseidon	56.19	Ray Carey, Bernal's
2:24.07	Dawn Stewart, Bolles	56.44	Clay Tiplins, SA
2:24.07	Kristen Owen, Huntsville	56.48	Mike Merrell, Meck.
2:22.62	Darby Chang, ODAC	56.71	Stephen Ware, Huntsville
2:22.77	Heather Blackmon, Meck.	56.99	Henry Farris, Greenville
2:23.41	Kristin Brinser, Poseidon	57.04	Dean Fradette, Seacoast
2:23.47	Brandy Wood, NBAC	57.27	Rob Hudock, SA
2:24.13	Hillary Krug, Pine Crest	57.58	Bryan Kelly, NJW
2:24.55	Jennifer Smith, Greenville		
2:24.95	Larissa Herold, Seacoast		
2:26.01	Melissa Dairymple, Wilm.		
400 IM			
5:00.24	Hillary Krug, Pine Crest		
5:01.63	Anne Kampfe, Decatur		
5:01.63	Kristin Brinser, Poseidon		
5:02.76	Kim Madden, NJW		
5:05.14	Jennifer Smith, Greenville		
5:06.36	Kelly Leaman, CPM		
5:07.51	Jamie Sorrentino, Meck.		
5:10.51	Darby Chang, ODAC		
400 MR			
4:25.68	Mecklenburg		
4:26.70	Retriever		
4:28.36	Poseidon		
4:28.81	Star-Florida		
4:30.14	Jersey Wahos		
4:30.22	Wilmington		
4:31.40	Cur-Burke		
4:31.59	Retriever B		

200 Fly	2:03.76	Mike Merrell, Meck.
	2:04.51	Michael Pfister, Pitt
	2:05.18	Dean Fradette, Seacoast
	2:05.39	Clay Tiplins, SA
	2:06.27	Ian Mull, Spartan
	2:06.66	Peter Wright, JW
	2:06.66	Jay Toth, Peters Twnshp.
	2:07.48	Ivan Ditscheiner, MBAY
200 IM	2:07.19*	Jonathan Jennings, SA
	2:09.09	Henry Farris, Greenville
	2:09.95	Jeb Slowik, Peddie
	2:10.29	Danny Ott, Sun
	2:10.53	Ariel Rad, Peddie
	2:10.66	Clay Tiplins, SA
	2:11.01	Aun Summerlin, Roanoke
	2:12.52	Dustin Lindsey, Trinity
400 IM	4:33.15	Jeb Slowik, Peddie
	4:35.42	Peter Wright, JW
	4:35.96	Richard Dzavik, Peddie
	4:36.68	Pedro Costa, C-B
	4:37.27	Ron Orris, Lvonla
	4:40.20	Keith Eberle, Poseidon
	4:41.82	Matt McCormack, R-M
	4:41.82	Ilan Rzakowski, Hurr.
400 MR	3:53.77*	SwimAtlanta
	3:57.25	Mecklenburg
	3:59.87	Gotham Kings
	4:00.10	Bernal's Gators
	4:01.33	Cur-Burke
	4:01.34	Rockville-Montgomery
	4:01.50	Malvern Swimming
	4:01.57	Seacoast
400 FR	3:29.69*	SwimAtlanta
	3:30.79	Pepsi Marlins
	3:33.18	Joliet Jets
	3:33.97	Mecklenburg
	3:34.37	Alexandria YMCA
	3:34.67	Greensboro
	3:35.49	Pine Crest
	3:36.89	Jersey Wahos
800 FR	7:46.18	SwimAtlanta
	7:48.78	Cur-Burke
	7:49.31	Peddie
	7:50.07	Pepsi Marlins
	7:51.50	Mecklenburg
	7:52.95	Bernal's Gators
	7:54.45	Gotham Kings
	7:54.58	Michlana Marlins
<b>FINAL TEAM STANDINGS</b>		
<b>Combined</b>		
450	Mecklenburg	
345%	SwimAtlanta	
304%	Michlana Marlins	
268	Peddie	
234	Cur-Burke	
190	Star-Florida	
187	Bernal's Gators	
186	Pepsi Marlins	
171	Pine Crest	
151	Seacoast	
<b>Women</b>		
295	Mecklenburg	
210%	Michlana Marlins	
158	Star-Florida	
139	Retriever	
128%	Poseidon	
109	Pine Crest	
105	Cur-Burke	
103	Dynamo	
91	Old Dominion	
81%	Decatur	
<b>Men</b>		
330%	SwimAtlanta	
145	Peddie	
135	Mecklenburg	
142	Bernal's Gators	
133	Seacoast	
129	Cur-Burke	
123	Pepsi Marlins	
110	Gotham Kings	
94	Michlana Marlins	
86%	Jersey Wahos	

## U.S. SWIMMING JUNIOR OLYMPIC CHAMPIONSHIPS-WEST Texas Swim Center Austin, Texas August 8-12, 1989 (50 M)

\*\* National Junior Olympic Record  
\* Junior Olympic-West Record

<b>WOMEN</b>	
<b>50 Free</b>	
26.78	Allison Terry, HSA
26.81	Ronda Lusty, THSC
26.92	Wendy Cuthbert, COPS
27.15	Sarah Suhadolnik, C
27.24	Devon Coellier, WSC
27.37	Indira Allick, AHAC
27.58	Lisa Rhodes, TWST
27.66	Amy Van Dyken, CRST
<b>100 Free</b>	
58.26	Wendy Cuthbert, COPS
58.29	Stacie Dorman, CPH
58.90	Christina Schweiger, ATEX
59.03	Joyce Murphy, WYAT
59.19	Stephanie Mangie, FESC

# For the Record

59.23 Stephanie Scheetz, WCA  
59.28 Ronda Lusty, THSC  
59.35 Pia Westesson, WCA

**200 Free**  
2:04.47 Megan Osting, C  
2:05.21 Kim Martin, FAST-CA  
2:05.71 Teresa Mauck, KCBIAZ  
2:05.85 Natalie Norberg, IHAC  
2:06.18 Christine Otto, GWSC  
2:06.43 Wendy Cuthbert, COPS  
2:07.77 Robin Olson, GOLO  
2:09.71 Jill Mykkanen, IHAC

**400 Free**  
4:19.62 Kim Martin, FAST-CA  
4:19.75 Natalie Norberg, IHAC  
4:21.07 Christine Otto, GWSC  
4:21.61 Marianna York, WOOD  
4:23.03 N. Williamson, FAST-CA  
4:23.13 Lisa Jacob, MVN  
4:23.45 Robin Olson, GOLO  
4:26.80 Stacie Dorman, CPH

**800 Free**  
8:52.49 Christine Otto, GWSC  
8:56.68 N. Williamson, FAST-CA  
8:57.29 Marianna York, WOOD  
8:58.23 Karin Crowley, WOOD  
8:58.48 Robin Olson, GOLO  
8:59.68 Natalie Norberg, IHAC  
8:59.90 Julie Moore, MAC-OR  
9:00.14 Stacy St. Martin, FAST-CA

**1500 Free**  
17:03.08 Karin Crowley, WOOD  
17:03.22 Lisa Jacob, MVN  
17:07.77 Julie Moore, MAC-OR  
17:09.91 Mariana York, WOOD  
17:10.44 Stacy St. Martin, FAST-CA  
17:11.70 Sionnain Marcoux, SCAL  
17:12.47 Lisa Arent, OSAC  
17:15.54 Michelle Clark, ASR

**100 Back**  
1:05.12\*\* Mary Edwards, SOLD  
1:05.20 Diana Fridley, GOLD  
1:06.03 Karen Iverson, EBSC  
1:06.56 Wendy Oksanen, COR  
1:06.81 Amy Potz, EDI  
1:06.92 Shannon Hoes, BEAR  
1:06.99 Kristen Carlson, TSA  
1:07.64 Ansl Leskovsky, WA

**200 Back**  
2:19.36\*\* Natalie Norberg, IHAC  
2:21.91 Amy Potz, EDI  
2:22.03 Christy Watts, KCBIAZ  
2:22.11 Jill Barber, SLAJ  
2:22.40 Kerl Seeliger, BD  
2:22.76 Christine Otto, GWSC  
2:22.97 Kyla Hagan, FAST-SO  
2:24.67 Katy Lukens, GOLD

**100 Breast**  
1:13.96 Deborah Kory, SPY  
1:14.03 Jill Barber, SLAJ  
1:14.96 Kris Zeller, EDI  
1:15.35 Kristine Quance, VAST  
1:15.41 Laura Berta, MESA  
1:15.41 Paige Freiman, BD  
1:15.50 Marsha Trachi, THSC  
1:15.79 Rhonda Rhoades, TSC

**200 Breast**  
2:38.78\*\* Deborah Kory, SPY  
2:38.92 Laura Berta, MESA  
2:39.55 Michelle Ham, GWSC  
2:41.96 Kris Zeller, EDI  
2:42.41 Andrea Reade, FAST-CA  
2:43.67 Jennifer Lewis, PKWY  
2:46.48 Peggy Payton, PKWY  
2:46.45 Karen MacRill, GWSC

**100 Fly**  
1:03.89 Margaret Reece, WOOD  
1:04.05 Stacy Bechel, SEMS  
1:04.46 Kristie Krueger, P66  
1:04.53 Lisa Urban, THSC  
1:04.59 Mary A. Torgerson, TAC  
1:04.59 Alison Terry, HSA  
1:04.69 Lynn Almi, CSP  
1:04.92 Wrenn Terrill, CSP

**200 Fly**  
2:18.26 Margaret Reece, WOOD  
2:20.24 Jenny Ankeny, THSC  
2:20.27 Kathy-Lyn Allen, HIA  
2:20.33 Nicole Ressler, FAST  
2:21.49 Wrenn Terrill, CSP  
2:21.49 Lori Vanith, CUOA  
2:22.14 Lisa Jacob, MVN  
2:23.14 Vanessa Lacoss, KCB

**200 IM**  
2:23.37 Katy Lukens, GOLD  
2:23.60 Lorenza Munoz, MVN  
2:23.82 Natasha Kohn, MVN  
2:23.89 Megan Osting, C  
2:24.53 Kristine Quance, VAST  
2:24.71 Mary A. Torgerson, TAC  
2:25.06 Andrea Ciro, LA  
2:25.75 Alison Terry, HSA

**400 IM**  
4:56.90\*\* Lorenza Munoz, MVN  
4:58.22 Natasha Kohn, MVN  
5:01.46 Heather Chaplin, NJSC  
5:02.61 Katy Lukens, GOLD  
5:04.14 Kristine Quance, VAST  
5:06.70 Jill Teeples, IHAC  
5:07.99 Robin Olson, GOLD  
5:08.00 Laurel Hooper, AAA

**400 MR**  
4:26.10\*\* Tualatin Hills  
4:28.17 Phoenician  
4:28.92 Las Vegas Gold  
4:29.59 Golden Bear  
4:30.59 Badger Dolphins  
4:30.76 Fullerton  
4:30.91 South East Metro Sharks

4:31.08 Edina  
4:30.88  
4:30.83 Southern California  
3:59.70 Cypress Fairbanks  
3:59.94 Industry Hills  
4:00.16 The Woodlands  
4:00.29 Badger Dolphins  
4:00.74 Kerr-McGee  
4:01.05 Tualatin Hills  
4:01.06 K.C. Blazers  
8:29.42  
8:29.42 Mission Viejo  
8:35.29 Fullerton  
8:37.84 K.C. Blazers  
8:38.09 Woodland  
8:39.64 Industry Hills  
8:41.08 Heartland  
8:41.19 Las Vegas Gold  
8:41.61 Chinook

**MEN**  
**50 Free**  
23.66 Chad Rolfs, CUD  
23.69 Mike McGuitty, MESA  
23.93 Jason Fink, OADS  
24.07 Ugur Taner, C  
24.15 Murray Easton, AHAC  
24.22 Ernie Lee, ASA  
24.28 Scott Evans, RENO  
24.37 Seddon Keyter, NA

**100 Free**  
51.55 Chad Rolfs, CUD  
51.56 Brian Retterer, RENO  
52.08 Mike McGuitty, MESA  
52.18 Jason Fink, OADS  
52.21 Scott Hubbard, AHRA  
52.26 Jeff Anton, SCAL  
52.56 Brian Jacobson, BAC-CA  
52.82 Eric Diehl, MVN

**200 Free**  
1:52.97 Brian Retterer, RENO  
1:53.94 Chad Rolfs, CUD  
1:54.82 Ugur Taner, C  
1:54.75 Sean Easton, WOOD  
1:55.87 Gavin Arroyo, SCAL  
1:56.02 Chris Baskett, UNAT  
1:56.90 Danny O'Keeffe, SCSC-OZ  
1:57.18 Jason Miller, SCSC-PC

**400 Free**  
3:58.28 Scott Hubbard, AHRA  
3:57.80\*\*  
4:01.30 Kelan Holloway, SCAT  
4:02.57 Can Ergenekan, THSC  
4:03.00 Ryan Cox, MVN  
4:03.36 David Gillespie, IHAC  
4:03.75 Chris Younger, SCSC-OZ  
4:05.03 John Blaney, MVN  
4:06.13 David Salzano, TWST

**800 Free**  
8:18.36 Kelan Holloway, SCAT  
8:19.35 Can Ergenekan, THSC  
8:23.31 Ryan Cox, MVN  
8:23.51 Kevin May, LA  
8:26.86 Stewart Maurer, SLAJ  
8:28.90 Daniel Kindron, SBSC  
8:29.12 J. Szymanski, AHRA  
8:29.49 David Salzano, TWST

**1500 Free**  
15:45.09\*\* Kelan Holloway, SCAT  
15:59.58 Ryan Cox, MVN  
16:08.55 John Blaney, MVN  
16:09.76 Chris Younger, SCSC-OZ  
16:11.40 Kevin May, LA  
16:12.35 Stewart Maurer, SLAJ  
16:13.15 David Salzano, TWST  
16:13.70 Brian Williams, SVA-PC

**100 Back**  
58.76\*\* Andy Kurtz, ABC  
59.06 Jason Stelle, CLSS  
59.08 Wyatt Russo, COPS  
59.29 Kit Patterson, AAA-ST  
59.76 Fort Guerin, MESA  
59.91 Thomas Westcott, GWSC  
1:00.13 Gary Larson, NOVA  
1:00.14 Mike Perkins, PKWY

**200 Back**  
2:07.54 Can Ergenekan, THSC  
2:07.98 John Hudspeth, COPS  
2:08.06 Chris Covington, CRST  
2:08.22 Chris Carlisle, FAST-SW  
2:09.35 Mike Perkins, PKWY  
2:10.33 David Gillespie, IHAC  
2:10.75 Sean Easton, WOOD  
2:11.14 Chris Baskett, UNAT

**100 Breast**  
1:04.85\*\* Paul Nelsen, NA  
1:04.94 Jeffery Connings, NCM  
1:06.06 Tom Campbell, C  
1:06.18 Steve Kinnier, LAKE  
1:06.19 Chuck Jennings, CDR  
1:06.24 Steven West, GWSC  
1:06.48 Ryan McKinney, AAA-ST  
1:06.98 Brian Jacobson, BAC-CA

**200 Breast**  
2:22.04 Paul Nelsen, NA  
2:22.57 Steven West, GWSC  
2:24.28 Matt Brown, THSC  
2:24.37 Tom Campbell, C  
2:24.52 Danny O'Keeffe, SCSC-OZ  
2:24.58 Jason Hodder, CTSC  
2:26.05 Josh Snyder, THSC  
2:26.54 Kevin Henricks, MVN

**100 Fly**  
56.34 Casey Hall, IHAC  
56.42 Douglas Swan, AAA-CO  
56.89 Todd Newman, GES  
56.92 Wyatt Russo, COPS  
57.06 John Nienow, LAKE  
57.20 Curt Hanson, LA

57.29 Steve Keller, OSAC  
57.39 Eric Skow, CPH

**200 Fly**  
2:03.59\*\* Can Ergenekan, THSC  
2:04.82 Daizo Mitsuoka, IHAC  
2:04.98 Doug Garland, ATEX  
2:05.05 Steve Keller, OSAC  
2:05.07 Randy Hartley, SMC  
2:05.44 Sean Easton, WOOD  
2:06.29 Eric Skow, CPH  
2:08.28 Brent Lorenzen, WAVE

**200 IM**  
2:06.45 Paul Nelsen, NA  
2:07.61 Brian Retterer, RENO  
2:08.48 Danny O'Keeffe, SCSC-OZ  
2:08.54 Chad Rolfs, CUD  
2:09.39 Chris Covington, CRST  
2:09.60 Pat Kavan, THSC  
2:09.76 Shawn Stevens, ACE  
2:10.05 Matt Westphal, ESC

**400 IM**  
4:29.36\*\* Paul Nelsen, NA  
4:35.07 Wyatt Russo, COPS  
4:35.19 John Blaney, MVN  
4:35.20 Matt Lenz, North  
4:36.01 Josh Snyder, THSC  
4:37.39 Pat Kavan, THSC  
4:38.87 Steve Keller, OSAC  
4:40.91 J. Szymanski, AHRA

**400 MR**  
3:57.06 Mesa  
3:58.16 Nebraska  
3:59.30 City of Plano  
3:59.48 Tualatin Hills  
3:59.57 RENO  
4:00.45 Alamo Area  
4:01.22 Industry Hills  
4:02.39 Indian Valley

**400 FR**  
3:33.94 Mesa  
3:34.56 Mission Viejo  
3:35.05 Southern California  
3:35.10 Nebraska  
3:35.13 Industry Hills  
3:35.42 RENO  
3:35.79 Tualatin Hills  
3:36.18 City of Richardson

**800 FR**  
7:48.22 The Woodlands  
7:50.78 Industry Hills  
7:51.23 City of Richardson  
7:51.69 Chinook  
7:52.25 Tualatin Hills  
7:52.32 Mission Viejo  
7:52.54 Omaha Suburban  
7:53.84 RENO

**FINAL TEAM STANDINGS**  
**Combined**  
410 Mission Viejo  
384 Tualatin Hills  
325 Industry Hills  
219 City of Plano  
211 Woodland  
201 Chinook  
196 Mesa  
186 Southern California  
179 Nebraska  
166 The Woodlands

**Women**  
236 Fullerton  
199 Mission Viejo  
171 Woodland  
170 Industry Hills  
169 Las Vegas Gold  
144 Tualatin Hills  
108 Kansas City Blazers  
102 Golden West  
100 Chinook  
99 Southern California

**Men**  
240 Tualatin Hills  
211 Mission Viejo  
172 Nebraska  
166 Mesa  
159 City of Plano  
155 RENO  
114 The Woodlands  
101 Chinook  
96 City of Richardson

## DIVING

### U.S. OLYMPIC FESTIVAL Oklahoma City Community College Oklahoma City, Oklahoma July 26-30, 1989

**WOMEN**  
**3-METER**  
480.45 Wendy Lucero, North  
458.40 Allison Malsch, East  
448.60 Eileen Richtel, West  
448.55 Krista Wilson, South  
445.80 Julie Farrell, North  
440.80 Mary Ellen Clark, East  
434.50 Linda Pask, West  
432.80 Karla Goltman, South  
431.60 Laura Profumo, East

424.75 Courtney Nelson, West  
410.10 Britt Williams, North  
311.70 Jennifer Dixon, PRE  
305.70 Carrie Zarze, ROC

**PLATFORM**  
380.35 Cokey Smith, North  
378.95 Darcy Dornick, South  
374.50 Alison Malsch, East  
351.90 Vanessa Bergman, West  
350.40 Laura Profumo, East  
346.10 Katie Connors, West  
344.80 Courtney Nelson, West  
338.00 Jill Schlabach, South  
336.45 Patty Overmeyer, South  
332.15 Stella Kahn, West  
327.35 Kathy Carboy, West  
298.40 Rayne Borup, West

**MEN**  
**3-METER**  
639.75 Kent Ferguson, South  
636.05 Mark Bradshaw, East  
611.15 Pat Jeffrey, East  
583.40 Matt Scoggin, South  
560.90 Scott Donie, South  
552.00 Matt Lenz, North  
537.35 Pat Evans, West  
534.85 David Pichler, East  
507.00 Chuck Wade, North  
506.75 Jeff Reinholdt, East  
502.40 Michael Bayerl, North  
501.70 Jim Fischer, North

**PLATFORM**  
413.80 Matt Scoggin, South  
565.05 Scott Donie, South  
530.00 Pat Jeffrey, East  
538.70 David Pichler, East  
498.20 Mark Lenz, North  
486.30 Steve Hamerski, North  
480.80 Russ Bertram, North  
363.20 Tony Mims, MOS  
362.20 Patti Thompson, MCC  
361.75 Amy Garner, SOD  
361.45 Daryl Dolan, LA  
357.80 Laurie Gaudes, SDC

### SPEEDO/U.S. DIVING JUNIOR OLYMPIC CHAMPIONSHIPS The Woodlands, Texas Aug. 8-12, 1989

**GIRLS**  
**13 and under**  
1-METER  
284.90 Angie Trostel, Unat.  
282.80 Sandy Zubrin, MVN  
278.45 Sheila Priestly, BAD  
273.85 Beth Clark, PAQ  
272.10 Kathy Pesek, COU  
267.70 Lauren Lehrer, MUG  
265.95 Summer Brown, MVN  
264.30 Sarah Henderson, ORL  
263.80 Jenny Lingamfelter, LHD  
260.45 Tracy Wilcox, LYO  
258.40 Melanie Mabry, DST  
257.25 Heather Lawrence, NWR

**3-METER**  
275.10 Sheila Priestly, BAD  
272.10 Tracy Wilcox, LYO  
270.15 Amy Sloan, MVN  
268.20 Cathy Citrin, TUC  
267.25 Jenny Lingamfelter, LHD  
265.50 Jenny Kalm, MBM  
259.20 Summer Brown, MVN  
256.70 Kathy Pesek, COU  
253.80 Becky Ruehl, STG  
248.30 Darlene Robinson, LAS  
248.10 Gaylen Felix, STA  
247.00 Sarah Henderson, ORL

**PLATFORM**  
244.20 Jenny Keim, MBM  
239.80 Jenny Lingamfelter, LHD  
235.20 Summer Brown, MVN  
234.75 Tracy Wilcox, LYO  
233.40 Cathy Citrin, TUC  
231.10 Sandy Zubrin, MVN  
218.40 Minu Aghevali, CAP  
212.30 Heather Lawrence, NWR  
209.50 Julie Sweet, LYO  
203.60 Kathy Pesek, COU  
203.40 Carissa Zenorini, MUG  
202.25 Kortney Schell, NWS

**14-15**  
**1-METER**  
371.05 Sherry Wigginton, LHD  
367.60 Angel Sargent, COU  
353.20 Joy Burkholder, MVN  
345.05 Stefanie Forrest, LYO  
325.15 Catherine Frins, PCD  
324.70 Sara Dorrrough, LAD  
323.65 Chula Ammerman, NWR  
322.20 Julie Henderson, ORL  
321.65 Jennifer Cook, JON  
320.50 Tammy Christensen, JON  
316.60 Jennifer Dixon, PRE  
315.40 Laurie Wagner, LYO

**3-METER**  
386.10 Joy Burkholder, MVN  
383.00 Sherry Wigginton, LDC  
371.65 Angel Sargent, COU  
336.10 Liane Gallagher, RHD  
331.60 Stefanie Forrest, LYO  
328.65 Catherine Frins, PCD  
325.25 Megan McDowell, STA  
315.04 Cristina Conn, DEL

312.65 Julie Henderson, ORL  
312.15 Hilary Gubb, DBL  
311.70 Jennifer Dixon, PRE  
305.70 Carrie Zarze, ROC

**PLATFORM**  
251.95 Megan McDowell, STA  
245.75 Joy Burkholder, MVN  
242.70 Stefanie Forrest, LYO  
241.35 Melissa Brown, TEC  
238.85 Sherry Wigginton, LHD  
236.25 Rachel Tindman, LDC  
234.95 Eileen Duley, CAN  
230.50 Kelly McCready, MVR  
224.80 Lynelle Auringer, MAR  
222.40 Erin Gillooly, ORL  
220.55 Kate Moran, CAP  
219.15 Megan Oakley, MBM

**16-18**  
**1-METER**  
399.10 Vanessa Bergman, STA  
391.70 Eileen Richtel, JPO  
378.55 Kristen Walls, LAD  
369.90 Laurie Gaudes, SDC  
350.20 Amy Garner, SOD  
345.65 Patti Thompson, MCC  
344.30 Erin Mosher, LAD  
342.15 Tony Mims, MOS  
342.15 Stacey Blankenship, ORL  
341.45 Stacey Cooper, Unat.  
334.20 Jennifer Griffith, LAD  
333.25 Daryl Dolan, LA

**3-METER**  
413.80 Eileen Richtel, JPO  
399.10 Vanessa Bergman, STA  
387.55 Kathy Carboy, STG  
384.65 Karen Dalton, SDC  
373.70 Kristen Walls, LAD  
372.80 Tara Justice, STG  
371.20 Donna Flatch, LAS  
363.20 Tony Mims, MOS  
362.20 Patti Thompson, MCC  
361.75 Amy Garner, SOD  
361.45 Daryl Dolan, LA  
357.80 Laurie Gaudes, SDC

**PLATFORM**  
333.95 Cinnamon Woods, LYO  
328.90 Vanessa Bergman, STA  
321.50 Kathy Carboy, STG  
317.15 Amy Garner, SOD  
313.85 Sharon Marsh, MVN  
295.85 Shannon McCloy, SOD  
292.50 Kristen Walls, LAD  
291.75 Jennifer Mahaney, STG  
284.30 Amy Palmer, MVN  
282.65 Susie Mullaney, MVN  
272.60 Kelly Mackarovich, HUR  
271.55 Robin Carter, WDT

**BOYS**  
**13 and under**  
**1-METER**  
301.70 Bryan Gillooly, ORL  
292.60 John Eisler, TUL  
276.95 Tyce Routson, RAI  
276.70 Chad Shelton, MOS  
271.65 Matt Whitfield, NWS  
255.50 Devan Porter, DST  
245.00 Trey Hart, MOS  
237.70 Michael Gaughen, ATL  
237.30 Michael McIntyre, ORL

**3-METER**  
324.25 Sean Bigner, STG  
229.15 Michael Nels, STG  
225.30 Brandon Bunting, SCT

**3-METER**  
335.00 Bryan Gillooly, ORL  
305.80 Tyce Routson, RAI  
293.40 Sean Bigner, STG  
273.45 Trey Hart, MOS  
269.25 Grant Gritzmacher, JPD  
268.55 Mark Natfanel, LHD  
254.75 John Eisler, TUL  
250.50 Danny Bergman, STA  
250.20 Michael Nels, STG  
248.30 Chad Shelton, MOS  
246.75 Bud Campbell, MOS  
241.65 Michael McIntyre, ORL

**PLATFORM**  
291.75 Bryan Gillooly, ORL  
253.65 Tyce Routson, RAI  
253.20 John Eisler, TUL  
242.30 Michael Nels, STG  
235.10 Grant Gritzmacher, JPD  
225.60 Michael Gaughen, ATL  
224.25 Sean Bigner, STG  
218.30 Trey Hart, MOS  
212.45 Danny Bergman, STA  
211.35 Mark Natfanel, LDC  
204.00 Troy Dumais, LAD  
195.55 Brandon Gustafson, RRI

**14-15**  
**1-METER**  
416.35 Adam Terrell, MOS  
412.45 Jace McNeil, SUN  
344.65 Jack Hemby, HUN  
342.95 Nakea Gibson, ORL  
332.00 Kevin Shima, MUG  
320.95 Jeff Moss, MOS  
316.10 P.J. Bogart, SOD  
312.55 Brian Humphrey, ORL  
307.95 Zachary Williams, IRV  
307.70 Tom Tretter, CLA  
305.65 Stephen Reinholdt, EOM  
305.30 Chris Vonk, MVN

**3-METER**  
413.90 Adam Terrell, MOS  
397.00 Jeff Moss, MOS  
390.45 Jace McNeil, SUN  
370.75 P.J. Bogart, SOD  
375.45 Stephen Reinholdt, EDM

352.20 Kevin Shima, MUG  
343.45 Chris Vonk, MVN  
341.15 Zachary Williams, IRV  
332.50 Jack Hemby, HUN  
326.85 David Johns, CAP  
326.75 Nakea Gibson, ORL  
302.60 Brian Humphrey, ORL

**PLATFORM**  
290.55 Nakea Gibson, ORL  
288.55 P.J. Bogart, SOD  
252.95 Jeff Moss, MOS  
252.50 Adam Terrell, MOS  
247.65 Kevin Shima, MUG  
244.10 Jace McNeil, SUN  
241.95 Scott Wager, WDT  
236.20 Zachary Williams, IRV  
230.10 Stephen Reinholdt, EOM  
228.00 Jason Hubbard, MVN  
227.05 C. Wes Tyler, CAN

**16-18**  
**1-METER**  
521.40 Dean Panaro, STG  
480.70 Edward Morse, HUR  
472.15 Brian Ramos, MBM  
459.90 Brian Earley, MVN  
454.35 Brandon Gardner, MBM  
438.45 Greg Triefenbach, Unat.  
436.70 Mark Krause, ATL  
425.70 Andy Kendrick, STG  
420.00 Ricky Wood, LAD  
392.25 Tom Wright, ALP  
388.50 David Zarze, Unat.  
387.90 Mike Moak, OST

**3-METER**  
601.60 Edward Morse, HUR  
559.30 Dean Panaro, STG  
526.95 Brian Ramos, MBM  
489.80 Brandon Gardner, MBM  
468.50 Brian Earley, MVN  
454.45 Mark Krause, ATL  
449.95 Andy Kendrick, STG  
448.70 Mike Moak, DST  
444.75 Travis Myers, Unat.  
440.85 Jason Baumann, NEB  
438.55 Ricky Wood, LAD  
436.30 Greg Triefenbach, Unat.

**PLATFORM**  
493.30 Dean Panaro, STG  
475.40 Greg Triefenbach, Unat.  
473.40 Edward Morse, HUR  
472.80 Brian Earley, MVN  
405.55 Brian Ramos, MBM  
393.70 Shannon Bailey, MBM  
392.10 Matt Borman, STG  
390.05 Andy Kendrick, STG  
387.75 Tony Iglesias, COU  
375.30 Curt Billings, LYO  
355.00 Travis Myers, Unat.  
349.10 Mike Coury, PAQ

### PHILLIPS 66/U.S. DIVING OUTDOOR CHAMPIONSHIPS Raleigh, North Carolina August 16-19, 1989

**WOMEN**  
**1-METER**  
**Finals**  
472.05 Wendy Lucero, KIM  
444.24 Julie Farrell, SPR  
427.23 Krista Wilson, MST  
424.32 Alison Malsch, LSU  
415.26 Cokey Smith, KIM  
413.19 Karla Goltman, Unat.  
407.58 Wendy Wyland, MBM  
400.17 Katie Connors, BDO  
396.12 Lee Ann Fletcher, STD  
397.86 Eileen Richtel, JPD  
397.80 Courtney Nelson, STO  
373.65 Jenny Greene, LDC

**Platform**  
423.87 Wendy Lucero, KIM  
402.27 Alison Malsch, LSU  
398.25 Julie Farrell, SPR  
395.34 Lee Ann Fletcher, BDO  
390.54 Krista Wilson, MST  
389.40 Katie Connors, STD  
387.33 Jenny Greene, LDC  
378.96 Wendy Wyland, MBM  
378.84 Courtney Nelson, STD  
378.72 Karla Goltman, Unat.  
378.35 Eileen Richtel, JPD  
377.13 Cokey Smith, KIM  
376.92 A. Jill Schlabach, PIT  
376.20 Britt Williams, Unat.  
375.42 Robbie Dalton, Unat.  
374.91 Rayne Borup, Unat.  
373.59 Betsy Givran, MBM  
369.27 Mary Ellen Clark, OSD  
368.49 Linda Pesek, CGR  
365.13 Kristen Walls, LAD  
365.10 Vanessa Bergman, STD  
361.23 Laurie Gaudes, SCH  
356.55 Laura Tilly, DBL  
355.65 Karla Helder, CSD  
339.38 Laura Profumo, OSD  
330.78 Sharon Cleary, STO  
329.43 Kathy Klotz, DRD  
326.58 Heather Hassinger, RBA  
322.23 Heather Clevely, Unat.  
319.68 Teri Lukes, Unat.  
318.12 Jennie Graviss, Unat.

**3-METER**  
**Finals**  
502.77 Wendy Lucero, KIM



## For the Record

468.15 Kelly McCormick, OSD  
453.72 Reyne Borup, Unat.  
452.76 Robbie Dalton, Unat.  
444.75 Krista Wilson, MST  
437.64 Mary Ellen Clark, OSD  
432.84 Julie Farrell, SPR  
430.86 Alison Malsch, LSU  
419.43 Katie Connors, STD  
419.07 Laura Profumo, OSD  
405.30 Cokey Smith, KIM  
401.52 Betsy Girvan, MBM

**Platform**  
464.16 Wendy Lucero, KIM  
448.74 Mary Ellen Clark, OSD  
427.77 Krista Wilson, MST  
422.40 Reyne Borup, Unat.  
420.39 Kelly McCormick, OSD  
417.66 Alison Malsch, LSU  
417.36 Betsy Girvan, MBM  
416.31 Robbie Dalton, Unat.  
415.77 Katie Connors, STD  
415.26 Cokey Smith, KIM  
408.36 Julie Farrell, SPR  
408.06 Laura Profumo, OSD  
407.88 Wendy Wyland, MBM  
399.18 Jenny Greene, LDC  
392.97 Eileen Rickett, JPD  
390.12 Kara Gottman, Unat.  
381.24 Courtney Carr, HUR  
378.51 Lee Ann Fletcher, BDO  
378.39 A. Jill Schlachbach, PIT  
377.82 Britt Williams, Unat.  
373.65 Vanessa Bergman, STD  
372.84 Beth Wadlington, Unat.  
372.42 Courtney Nelson, STD  
372.30 Linda Pesek, CGR  
371.55 Heather Cleveley, Unat.  
366.27 Melissa Kuller, STD  
355.28 Katey Ketoff, DRD  
324.99 Lara C. von Seelen, PEN  
314.01 Heather Hasslinger, RBA

**Platform**  
412.68 Wendy Wyland, MBM  
412.50 Courtney Nelson, STD  
387.39 Wendy Lian Williams, HUR  
385.80 Cokey Smith, KIM  
375.06 Vanessa Bergman, STD  
352.74 Jennifer Mahaney, CIN  
348.60 Linda Pesek, CGR  
343.89 Alison Malsch, LSU  
324.33 Kathy Carboy, CIN  
323.88 A. Jill Schlachbach, PIT  
320.31 Betsy Girvan, MBM  
300.53 Kristan Jensen, STD

**Platform**  
400.95 Wendy Wyland, MBM  
360.30 Wendy Lian Williams, HUR  
360.27 Cokey Smith, KIM  
349.89 Courtney Nelson, STD  
337.83 Alison Malsch, LSU  
336.24 Vanessa Bergman, STD  
331.68 Linda Pesek, CGR  
321.27 Betsy Girvan, MBM  
314.25 A. Jill Schlachbach, PIT  
314.19 Jennifer Mahaney, CIN  
310.80 Krista Jensen, STD  
309.45 Kathy Carboy, CIN  
306.12 Jill Campbell, STD  
300.78 Cinnamon Woods, LYD  
297.54 Katie Connors, STD  
296.16 Sarah Marsh, MVN  
287.43 Rebecca Martin, ARK  
285.84 Tara Justice, CIN  
285.72 Shannon McCloy, SDO  
281.16 Reyne Borup, Unat.  
278.16 Stella Kahn, STD  
275.25 Patty Overmyer, LDC  
273.09 Julie Greyer, KIM  
269.67 Molly Knight, CIN  
267.81 Laura Profumo, OSD  
267.66 Lara C. von Seelen, PEN  
220.47 Stacy Peshkopia, KIM  
216.15 Emily Adams, MBM

### MEN

#### 1-METER

**Platform**  
577.20 Kent Ferguson, MBM  
564.78 Dean Panaro, CIN  
562.56 Scott Donie, MBM  
551.22 Patrick Jeffrey, OSD  
531.57 Jeff Reinholdt, LSU  
527.46 Mark Bradshaw, OSD  
526.23 Lee Michael, KIM  
525.84 David Pichler, OSD  
521.61 Scott Whiddon, MBM  
516.78 Chuck Wade, KIM  
510.66 Jim Fischer, HOB  
489.69 Steve Bell, CIN

**Platform**  
547.56 Kent Ferguson, MBM  
524.58 Mark Bradshaw, OSD  
489.54 Lee Michael, KIM  
488.07 Scott Donie, MBM  
480.00 Jeff Reinholdt, LSU  
476.28 Patrick Jeffrey, OSD  
475.74 David Pichler, OSD  
474.87 Scott Whiddon, MBM  
471.15 Dean Panaro, CIN  
471.03 Jim Fischer, HOB  
469.35 Chuck Wade, KIM  
468.48 Steve Bell, CIN  
467.46 Pat Evans, CIN  
453.75 Jim Quinlivan, OSD  
447.84 Scott Upper, Unat.  
447.84 Andy Kendrick, CIN  
445.44 Tom Mulhern, LYD  
432.69 Michael Bayeri, KIM

430.02 Brian Earley, MVN  
413.31 Sean Briscoe, MST  
410.97 Lewis Meyers, NEB  
407.97 Terry Butler, BDO  
406.77 Patrick Levy, LDC  
399.36 Brandon Gardner, MBM  
397.98 Brian Ramos, MBM  
395.04 Mark Kraus, ADA  
385.80 Rob Silverman, KIM  
379.05 Bryant Watson, HUR  
349.32 Michael Naylor, PIT  
339.30 Jeff Schoeneman, DBL

#### 3-METER

**Platform**  
671.82 Kent Ferguson, MBM  
636.96 Mark Bradshaw, OSD  
612.12 Patrick Jeffrey, OSD  
611.13 Scott Donie, MBM  
583.71 Lee Michael, KIM  
581.79 Pat Evans, CIN  
552.99 Matt Scogglin, LDC  
552.00 David Pichler, OSD  
546.36 Dean Panaro, CIN  
515.97 Lewis Meyers, NEB  
512.73 Jim Quinlivan, OSD  
508.95 Chuck Wade, KIM

**Platform**  
612.18 Kent Ferguson, MBM  
594.57 Patrick Jeffrey, OSD  
592.02 Mark Bradshaw, OSD  
583.05 Scott Donie, MBM  
581.52 Matt Scogglin, LDC  
565.65 Pat Evans, CIN  
556.29 Dean Panaro, CIN  
532.83 Jim Gray, LDC  
524.61 Lee Michael, KIM  
521.73 David Pichler, OSD  
511.65 Chuck Wade, KIM  
508.23 Jim Quinlivan, OSD  
498.02 Brian Ramos, MBM  
496.02 Tom Mulhern, LYD  
492.81 Scott Whiddon, MBM  
489.51 Sean Briscoe, MST  
480.96 Jim Fischer, HOB  
480.48 Wesley Reed, OSD  
476.01 Andy Kendrick, CIN  
461.79 Russ Bertram, HOB  
460.71 Matt Breeden, LSU  
459.84 Mike Bayeri, KIM  
454.86 Steven Bell, CIN  
445.38 Pat Tully, Unat.  
422.73 Andy Beachler, OSD  
414.66 Brian Earley, MVN  
378.47 Jason Baumann, NEB

**Platform**  
612.45 Matt Scogglin, LDC  
605.70 Scott Donie, MBM  
537.12 Patrick Jeffrey, OSD  
532.08 Pat Evans, CIN  
504.78 David Pichler, OSD  
484.71 Matt Breeden, LSU  
478.62 Brian Ramos, MBM  
440.34 Russ Bertram, HOB  
439.71 Jim Quinlivan, OSD  
435.33 John Frayne, OSD  
431.73 Michael Bayeri, KIM  
424.62 Steve Hamerski, KIM

**Platform**  
543.39 Matt Scogglin, LDC  
523.74 Scott Donie, MBM  
486.87 David Pichler, OSD  
479.97 Patrick Jeffrey, OSD  
455.76 Russ Bertram, HOB  
438.21 Pat Evans, CIN  
434.31 Jim Quinlivan, OSD  
430.17 Brian Ramos, MBM  
427.32 Matt Breeden, LSU  
424.08 Michael Bayeri, KIM  
420.81 John Frayne, OSD  
419.70 Steve Hamerski, KIM  
417.96 Lee Michael, KIM  
417.57 Chuck Wade, KIM  
409.29 Greg Trifembach, Unat.  
408.63 Brian Earley, MVN  
407.85 Scott Upper, Unat.  
403.29 Dean Panaro, CIN  
403.26 Rob Silverman, KIM  
399.21 Mark Virts, LDC  
398.43 Scott Whiddon, MBM  
397.68 Lewis Meyers, NEB  
392.79 Sean Briscoe, MST  
369.99 Jeff Reinholdt, LSU  
363.96 Jim Fischer, HOB  
358.95 Shannon Bailey, MBM  
355.23 Patrick Levy, LDC  
336.39 Chip Jones, SDO  
317.46 Brad Lambert, KIM  
281.70 Curt Billings, LYD

**Platform**  
543.39 Matt Scogglin, LDC  
523.74 Scott Donie, MBM  
486.87 David Pichler, OSD  
479.97 Patrick Jeffrey, OSD  
455.76 Russ Bertram, HOB  
438.21 Pat Evans, CIN  
434.31 Jim Quinlivan, OSD  
430.17 Brian Ramos, MBM  
427.32 Matt Breeden, LSU  
424.08 Michael Bayeri, KIM  
420.81 John Frayne, OSD  
419.70 Steve Hamerski, KIM  
417.96 Lee Michael, KIM  
417.57 Chuck Wade, KIM  
409.29 Greg Trifembach, Unat.  
408.63 Brian Earley, MVN  
407.85 Scott Upper, Unat.  
403.29 Dean Panaro, CIN  
403.26 Rob Silverman, KIM  
399.21 Mark Virts, LDC  
398.43 Scott Whiddon, MBM  
397.68 Lewis Meyers, NEB  
392.79 Sean Briscoe, MST  
369.99 Jeff Reinholdt, LSU  
363.96 Jim Fischer, HOB  
358.95 Shannon Bailey, MBM  
355.23 Patrick Levy, LDC  
336.39 Chip Jones, SDO  
317.46 Brad Lambert, KIM  
281.70 Curt Billings, LYD

**Platform**  
543.39 Matt Scogglin, LDC  
523.74 Scott Donie, MBM  
486.87 David Pichler, OSD  
479.97 Patrick Jeffrey, OSD  
455.76 Russ Bertram, HOB  
438.21 Pat Evans, CIN  
434.31 Jim Quinlivan, OSD  
430.17 Brian Ramos, MBM  
427.32 Matt Breeden, LSU  
424.08 Michael Bayeri, KIM  
420.81 John Frayne, OSD  
419.70 Steve Hamerski, KIM  
417.96 Lee Michael, KIM  
417.57 Chuck Wade, KIM  
409.29 Greg Trifembach, Unat.  
408.63 Brian Earley, MVN  
407.85 Scott Upper, Unat.  
403.29 Dean Panaro, CIN  
403.26 Rob Silverman, KIM  
399.21 Mark Virts, LDC  
398.43 Scott Whiddon, MBM  
397.68 Lewis Meyers, NEB  
392.79 Sean Briscoe, MST  
369.99 Jeff Reinholdt, LSU  
363.96 Jim Fischer, HOB  
358.95 Shannon Bailey, MBM  
355.23 Patrick Levy, LDC  
336.39 Chip Jones, SDO  
317.46 Brad Lambert, KIM  
281.70 Curt Billings, LYD

### SYNCHRO

**EUROPEAN CHAMPIONSHIPS SYNCHRONIZED SWIMMING**  
Aug. 15-18, 1989

#### SOLO—Aug. 15

**Figures**  
87.967 Kristina Falasindli, URS  
87.550 Karine Schuler, FRA

86.317 Karin Singer, SUI  
86.150 Kerry Shacklock, GBR  
81.184 Eva Lopez Morales, ESP  
80.133 Paola Celli, ITA  
79.017 Marjolijn Both, HOL  
77.967 Beatrix Muellner, AUT

**Final Results**  
184.56 Kristina Falasindli, URS  
182.87 Karine Schuler, FRA  
181.63 Karin Singer, SUI  
179.75 Eva Lopez Morales, ESP  
173.22 Paola Celli, ITA  
171.09 Marjolijn Both, HOL  
169.65 Beatrix Muellner, AUT

#### DUET—Aug. 16

182.502 Karine Schuler & Marianne Aeschbacher, FRA  
179.970 Maria Cherniava & Elena Foschetskaia, URS  
179.652 Karin Singer & Edith Boss, SUI  
177.322 Kerry Shacklock & Sarah Northey, GBR  
170.793 Paola Celli & Giovanna Burlando, ITA  
170.562 Eva Lopez Morales & Nuria Ayala Miravilla, ESP  
169.447 Marjolijn Both & Barbara Smit, HOL  
168.909 Doris Elsenhofer & Margit Schreib, FRG

#### TEAM—Aug. 18

180.365 France  
179.945 USSR  
174.080 Switzerland  
173.299 Great Britain  
169.890 Italy  
168.607 West Germany  
167.932 Netherlands  
166.909 Spain

### FIRST JUNIOR WORLD CHAMPIONSHIPS

Call, Colombia

July 17-23, 1989

#### FIGURES

79.03 Becky Dyoen, USA  
77.36 Karen Clark, CAN  
76.93 Jill Savery, USA  
76.25 Kerry Closson, CAN  
75.88 Kerry Shacklock, GBR  
75.85 Fumiko Okuno, JPN  
75.81 Jennifer Ringross, CAN  
75.76 Jill Suduth, USA

#### SOLO

174.55 Becky Dyoen, USA  
171.60 Karen Clark, CAN  
169.65 Fumiko Okuno, JPN  
168.56 Kerry Shacklock, GBR  
166.25 Gaelle Quelin, FRA  
163.71 Olga Philippuk, URS  
161.22 Min Tan, CHN  
160.99 Marjolijn Both, HOL

#### DUET

172.84 Becky Dyoen & Jill Suduth, USA  
171.60 Karen Clark & Keri Closson, CAN  
168.34 Chikaki Yamamura & Nina Enkaku, JPN  
167.60 Kerry Shacklock & Sara Northey, GBR  
165.64 Gaelle Quelin & Celine Leveque, FRA  
164.33 Elena Azarova & Natalia Gruzdeva, URS  
163.55 Min Tan & Jiang Jie, CHN  
160.07 Marjolijn Both & Sandra Braaksma, HOL

#### TEAM

169.78 USA  
169.43 Canada  
167.01 Japan  
164.91 URS  
160.69 China  
156.53 Italy  
153.99 Brazil  
149.39 Colombia

### THE ROME OPEN

Rome, Italy

June 16-18, 1989

#### FIGURES

87.7 Kathy Glen, CAN  
86.0 Michelle Svitlenko, USA  
85.3 Susan Reed, USA  
85.2 Keri Closson, CAN  
85.1 Tracy Long, USA  
84.9 Christine Larsen, CAN  
84.3 Jill Savery, USA  
84.2 Aki Takayama, JPN

#### SOLO

184.34 Kathy Glen, CAN  
182.33 Tracy Long, USA  
178.26 Hisako Aoshima, JPN  
174.84 Olga Philippuk, URS  
173.19 Marjolijn Both, HOL  
172.94 Teresa Perez, CUB  
172.53 Paola Celli, ITA  
168.47 Jeong Yun Chol, KOR

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# For the Record

**DUET**  
182.57 Michelle Svitenko & Tracy Long, USA  
182.27 Kathy Glen & Christine Larsen, CAN  
179.18 Aki Takayama & Hisako Aoshi, JPN  
169.34 Natalia Gruzdeva & Elena Azarova, URS  
168.48 Paola Celli & Giovanna Burlando, ITA  
168.44 Jeong Lee, KOR  
167.64 Deborah Antoyo & Teresa Perez, CUB

**TEAM**  
179.57 USA  
178.04 Canada  
176.41 URS  
168.57 Italy  
167.10 Holland  
163.92 Cuba  
163.92 Korea  
163.10 West Germany

**FINAL TEAM STANDINGS**  
156 USA  
148 Canada  
137 URS  
123 Italy  
113 Holland  
105 Cuba  
105 Korea  
82 West Germany

**XI MALLORCA OPEN**  
Palma de Mallorca, Spain  
June 23-25, 1989

**FIGURES**  
93.8 Sylvie Frechette, CAN  
88.4 Mikako Kotani, JPN  
87.9 Kristina Falasidini, URS  
86.8 Karine Schuler, FRA  
86.8 Anne Aeschbacher, FRA  
86.1 Aki Takayama, JPN  
86.0 Nancy Belanger, CAN  
85.8 Kerry Shacklock, GBR  
**SOLO**  
191.27 Sylvie Frechette, CAN  
186.29 Mikako Kotani, JPN

182.95 Kristina Falasidini, URS  
181.67 Karine Schuler, FRA  
179.34 Karin Singer, SUI  
178.38 Kerry Shacklock, GBR  
177.77 Eva Lopez, ESP  
176.87 Maria Elena Giusti, VEN

**DUET**  
186.84 Nathalie Guay & Sylvie Frechette, CAN  
181.84 Karine Schuler & Anne Capron, FRA  
181.37 Hisako Aoshi & Aki Takayama, JPN  
178.48 Kerry Shacklock & Sarah Northey, GBR  
177.80 Karin Singer & Edith Boss, SUI  
177.57 Vera Artemova & Elena Foschetskaya, URS  
175.73 Cheryl Schemenauer & Jessica Hudacek, USA  
175.39 Eva Lopez & Nuria Ayala, ESP

**TEAM**  
179.74 Canada  
179.37 URS  
178.69 France  
175.59 USA  
173.23 Great Britain  
172.80 Switzerland  
171.73 Spain  
168.88 Korea

**SCANDINAVIAN OPEN**  
Oslo, Norway  
June 30-July 2, 1989

**FIGURES**  
79.81 Eva Johnsson, SWE  
79.20 Amy Riedel, USA  
78.75 Virpi Hollanti, SWE  
78.45 Helen Louise, SWE  
75.69 Helen Louise, SWE  
75.08 Outi Kokko, FIN  
73.20 Patti Wiegand, USA  
72.76 Karen Gerber, SUI  
**SOLO**  
172.09 Eva Johnsson, SWE  
169.20 Amy Riedel, USA  
168.75 Virpi Hollanti, SWE  
163.60 Outi Kokko, FIN

161.24 Patti Wiegand, USA  
157.35 Lisa Laurila, FIN  
156.58 Vivian Breinhild, DEN  
155.24 Karin Gerber, SUI

**DUET**  
171.45 Eva Johnsson & Nina Holgers, SWE  
167.36 Amy Riedel & Patti Wiegand, USA  
159.03 Outi Kokko & Lisa Laurila, FIN  
154.07 Karin Gerber & Claire Soldati, SUI  
152.35 Else Jensen & Annie Petersen, DEN  
147.42 Kalleen Yuhnke & Rachel Kozower, USA  
146.81 Marit Maana & Anne Bergvatn, NOR  
144.12 Katie Annen & Florence Perrelet, SUI

**TEAM**  
162.39 Canada  
157.31 USA  
152.81 Switzerland  
149.85 Denmark  
144.07 Finland  
134.19 Norway

**FRENCH OPEN**  
La Tour Du Pin, France  
July 4-8, 1989

**FIGURES**  
91.6 Karine Schuler, FRA  
90.4 Anne Capron, FRA  
89.6 M. Aeschbacher, FRA  
87.4 Gaelle Quelin, FRA  
85.5 Marjolijn Both, HOL  
85.4 Lisa Alexander, CAN  
85.1 Kari Read, CAN  
84.4 Natasha Haynes, USA  
**SOLO**  
186.41 Karine Schuler, FRA  
179.28 Lisa Alexander, CAN  
174.93 Marjolijn Both, HOL  
168.33 Virpi Hollanti, SUI  
167.29 Laurie Martin, USA  
164.36 Dahlia Mokbel, EGY  
141.80 Judith Piron, BEL

**DUET**  
184.33 Marianne Aeschbacher & Anne Capron, FRA  
178.65 Karen Fonteyne & Cari Read, CAN  
174.56 Marjolijn Both & Barbara Smit, HOL  
171.30 Katie Killbrow & Laurie Martin, USA  
156.94 Anne Claesson & Karin Lobenstein, SUI  
153.10 Amani Farouk & Ghada Kamal, EGY  
143.02 Lene Magnussen & Dorte Boysen, DEN  
136.47 Laurence Vantulder & Judith Piron, BEL

**TEAM**  
172.93 France  
171.43 USA  
170.04 Holland  
163.91 Canada  
160.03 Egypt  
157.27 Sweden  
133.15 Belgium  
**FRENCH SOLO**  
186.41 Karine Schuler, FRA  
185.06 Anne Capron, FRA  
179.85 M. Aeschbacher, FRA  
**FRENCH DUET**  
184.33 Marianne Aeschbacher & Anne Capron, FRA  
168.62 Deline Leveque & Delphine LeFitch, AND  
161.63 Veronique Van Muisen & Delphine Marchal, AIX

**FRENCH TEAM**  
172.93 Racing CF  
165.03 LN Andegave  
162.72 CN Ondaine

**SWISS OPEN**  
Renens, Switzerland  
July 14-16, 1989

**FIGURES**  
93.1 Tracy Long, USA  
92.8 Mikako Kotani, JPN  
91.0 Karin Singer, SUI  
89.3 Patti Lynn, USA  
89.2 Michelle Svitenko, USA  
89.1 Christine Larsen, CAN  
88.3 Edith Boss, SUI  
87.3 Colleen Harvey, CAN  
**SOLO**  
131.44 Mikako Kotani, JPN  
130.10 Tracy Long, USA  
127.25 Karin Singer, SUI  
124.80 Christine Larsen, CAN  
121.84 Edith Boss, SUI  
121.44 Claudia Peczkinka, SUI  
120.17 Eva Lopez, ESP  
117.84 Paola Celli, ITA

**DUET**  
188.92 Michelle Svitenko & Tracy Long, USA  
184.99 Colleen Harvey & Heather Johnston, CAN  
183.44 Ishibashi Kiyoko & Ikuko Katoh, JPN  
178.72 Claudia Muralt & Edith Boss, SUI  
176.17 Doris Eisenhofer & Margrit Schreib, FRG  
175.81 Daniela Jordi & Claudia Peczkinka, SUI  
175.75 Eva Lopez & Nuria Ayala, ESP  
172.61 Giovanna Burlando & Paola Celli, ITA

**TEAM**  
186.04 USA  
177.02 Canada  
173.59 Spain  
173.24 Zurich, SUI  
171.12 FRG  
168.81 Italy  
166.54 Egypt  
166.18 Flos Buchs, SUI

**OUTDOOR JUNIOR NATIONALS**  
San Diego, California  
July 10-16, 1989

**SOLO**  
147.87 Janet Wiecking, BA  
147.73 Sonia Cardenas, MEX  
146.13 Kari Kreitzer, SC  
**DUET**  
150.03 Natasha Haynes & Katie Killbrow, SC  
146.91 Jenny Mayer & Janet Wiecking, BA  
146.05 Mandy Blake & Kari Kreitzer, SC

**TRIO**  
143.63 Mandy Blake, Khadija Cutcher & Jenny Munoz, SC  
143.20 Nicole Banks, Tina Kist & Debbie Downes, WC  
143.02 Tina Ackermans, Cathy Kusel & Jennifer Langlois, DOL

**TEAM**  
147.39 Santa Clara  
146.62 Cincinnati  
145.08 Dollard, CAN

## POLO

**13th MACCABIAH GAMES**  
Tel Aviv, Israel  
July 3-13, 1989

**PRELIMINARIES**  
21-4 Israel-Brazil  
14-4 Australia-ROW  
10-7 Australia-Brazil  
14-8 Israel-USA  
11-6 Israel-Australia  
16-3 USA-ROW  
9-3 USA-Australia  
14-7 Brazil-ROW  
**CONSOLATION FINAL**  
8-5 Australia-Brazil  
**CHAMPIONSHIP FINAL**  
14-9 Israel-USA

**V FINA WORLD JUNIOR WATER POLO CHAMPIONSHIPS**  
Narbonne and Canet, France  
July 29-Aug. 6, 1989

**PRELIMINARY ROUND**  
**First Day**  
10-6 France-Brazil  
11-10 Italy-Cuba  
19-2 USA-Kuwait  
20-12 Australia-Puerto Rico  
20-4 Netherlands-China  
11-5 Yugoslavia-West Germany  
27-6 USSR-Japan  
**Second Day**  
13-6 Brazil-China  
11-5 West Germany-Cuba  
13-7 Netherlands-France  
8-8 Yugoslavia-Italy  
32-5 Hungary-Kuwait  
19-8 USSR-Puerto Rico  
17-4 Australia-Japan  
**Third Day**  
18-6 Puerto Rico-Japan  
10-9 USA-Hungary  
14-9 USSR-Australia  
10-7 France-China  
11-8 West Germany-Italy  
9-7 Brazil-Holland  
11-5 Yugoslavia-Cuba  
**Fourth Day**  
16-3 USA-Australia  
9-9 Hungary-USSR  
9-7 Japan-Kuwait  
8-5 Cuba-France  
8-5 Yugoslavia-Brazil  
15-9 Italy-China  
9-8 West Germany-Netherlands  
**QUARTER-FINALS**  
9-8 USSR-USA  
11-5 Puerto Rico-Kuwait  
19-8 Hungary-Australia  
10-7 West Germany-Brazil  
18-8 Cuba-China  
12-11 Netherlands-Yugoslavia  
12-5 Italy-France  
**CONSOLATION BRACKET**  
**Day 1**  
13-11 Cuba-Puerto Rico  
14-8 Italy-Japan  
15-2 China-Kuwait  
**Day 2**  
8-7 Brazil-Australia  
8-6 Holland-Hungary  
**SEMI-FINALS**  
7-6 Yugoslavia-USA  
14-8 USSR-West Germany  
**Bronze Medal Game**  
13-12 West Germany-USA  
**GOLD MEDAL GAME**  
6-5 Yugoslavia-USSR

**MEN'S EUROPEAN WATER POLO CHAMPIONSHIPS**  
Bonn, West Germany  
Aug. 13-20, 1989

**FIRST ROUND**  
Aug. 13  
10-3 France-Sweden  
13-9 Yugoslavia-Romania  
9-8 USSR-Holland  
10-5 Bulgaria-Austria  
14-12 Spain-West Germany  
9-6 Czechoslovakia-Poland  
12-11 Hungary-Great Britain  
12-7 Italy-Greece

**SEMI-FINALS**  
Aug. 18  
13-8 France-Sweden  
15-3 Holland-Italy  
22-3 Hungary-Norway  
9-4 West Germany-Belgium  
Aug. 19  
5-4 Greece-Sweden  
16-4 West Germany-Norway  
**SEMI-FINALS**  
Aug. 19  
8-6 Hungary-Italy  
20-5 Holland-France  
**FINALS**  
Aug. 20  
**Third-Place Game**  
10-9 France-Italy  
**Championship Game**  
14-11 Holland-Hungary

**FINAL TEAM STANDINGS**  
Holland Norway  
Hungary Greece  
France Sweden  
Italy Belgium  
West Germany

**Aug. 14**  
10-9 Spain-Czechoslovakia  
18-5 USSR-Austria  
7-5 Greece-Great Britain  
8-8 Holland-Bulgaria  
7-3 West Germany-Poland  
8-7 Italy-Hungary  
12-9 Romania-Sweden  
9-8 Yugoslavia-France

**Aug. 15**  
14-2 Italy-Great Britain  
13-9 Hungary-Greece  
14-3 Yugoslavia-Sweden  
10-10 Poland-Spain  
11-7 West Germany-Czechoslovakia  
7-7 Romania-France  
16-4 USSR-Bulgaria  
17-7 Holland-Austria

**QUARTER-FINALS**  
**Aug. 16**  
10-4 Poland-Great Britain  
11-8 Italy-Czechoslovakia  
11-9 West Germany-Hungary  
13-6 Yugoslavia-Bulgaria  
9-7 Greece-Spain  
12-5 USSR-Romania  
6-4 Holland-France  
8-8 Sweden-Austria

**Aug. 17**  
11-8 Poland-Austria  
11-5 Yugoslavia-Holland  
11-7 USSR-France  
16-8 Romania-Bulgaria  
10-9 Hungary-Spain  
10-10 Italy-West Germany  
11-8 Czechoslovakia-Greece  
10-9 Great Britain-Sweden

**Aug. 18**  
8-7 Austria-Great Britain  
9-7 Romania-Holland  
10-6 West Germany-Greece  
9-8 Czechoslovakia-Hungary  
11-11 Spain-Italy  
8-5 Bulgaria-France  
5-5 USSR-Yugoslavia  
11-9 Poland-Sweden

**Aug. 19**  
13-8 Greece-France  
14-7 Hungary-Bulgaria  
9-4 Czechoslovakia-Holland  
13-8 Romania-Spain  
**SEMI-FINALS**  
Aug. 19  
8-7 Yugoslavia-Italy  
10-8 West Germany-USSR  
**FINALS**  
Aug. 20  
**Third-Place Game**  
12-11 Italy-USSR  
**Championship Game**  
10-9 West Germany-Yugoslavia

**FINAL TEAM STANDINGS**  
West Germany Bulgaria  
Yugoslavia Hungary  
Italy Greece  
USSR France  
Romania Poland  
Spain Austria  
Czechoslovakia Great Britain  
Holland Sweden

**WOMEN'S EUROPEAN WATER POLO CHAMPIONSHIPS**  
Bonn, West Germany  
Aug. 14-20, 1989

**FIRST ROUND**  
Aug. 14  
14-1 West Germany-Greece  
26-2 Holland-Belgium  
**Aug. 15**  
26-2 Holland-Greece  
12-8 Italy-Belgium  
**Aug. 16**  
20-5 Hungary-Norway  
12-8 France-Sweden  
9-5 Italy-Greece  
13-4 Holland-West Germany  
**Aug. 17**  
7-6 Greece-Belgium  
6-4 Norway-Sweden  
10-6 Hungary-Greece  
10-9 Italy-West Germany

**Aug. 18**  
13-8 France-Sweden  
15-3 Holland-Italy  
22-3 Hungary-Norway  
9-4 West Germany-Belgium  
Aug. 19  
5-4 Greece-Sweden  
16-4 West Germany-Norway  
**SEMI-FINALS**  
Aug. 19  
8-6 Hungary-Italy  
20-5 Holland-France  
**FINALS**  
Aug. 20  
**Third-Place Game**  
10-9 France-Italy  
**Championship Game**  
14-11 Holland-Hungary

**FINAL TEAM STANDINGS**  
Holland Norway  
Hungary Greece  
France Sweden  
Italy Belgium  
West Germany



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# For the Record

## NATIONAL INTERSCHOLASTIC SWIMMING COACHES ASSOCIATION 1989 ACADEMIC ALL-AMERICA SWIMMING TEAM Compiled by Rich Hood

### GIRLS

Michelle Adent, Bridgman HS, Bridgman, MI  
Danielle Aegerter, Washington HS, Massillon, OH  
Rachel Alkman, Hebron Academy, Hebron, ME  
Aneesa Al-Khalid, Binghamton HS, Binghamton, NY  
Anne Allbee, Valley HS, West Des Moines, IA  
Laura Alonso, Miramonte HS, Orinda, CA  
Janis Alvey, Paul G. Blazer HS, Ashland, KY  
Katey Andrew, Bishop Hoban HS, Wilkes-Barre, PA  
Sarah Andrews, Plymouth Salem HS, Canton, MI  
Jenny Angaran, Crescent Valley HS, Corvallis, OR  
Courtney Armentrout, Midland HS, Midland, MI  
Kathleen Armstrong, W.T. Woodson HS, Fairfax, VA  
Julie Asmonga, Steel Valley HS, Munhall, PA  
Cristina Austria, St. Mark's HS, Wilmington, DE  
Jennifer Balzano, Central HS, New Hartford, NY  
Elizabeth Bandy, Robert E. Lee HS, Tyler, TX  
Carrie Barlau, Chula Vista HS, Chula Vista, CA  
Elin Bartell, Coronado HS, El Paso, TX  
Amy Bartnick, Community School, Franklin, IN  
Dawn Bear, Valley HS, West Des Moines, IA  
Lauren Berman, Stoughton HS, Stoughton, MA  
Sunita Bharani, North HS, Downers Grove, IL  
Karen Binns, St. Petersburg HS, St. Petersburg, FL  
Heather Black, Shadow Mountain HS, Phoenix, AZ  
Kirsten Bodensteiner, Rhinelander HS, Rhinelander, WI  
Jennifer Bogart, Rockford HS, Rockford, MI  
Caryn Bohn, Central Bucks East HS, Buckingham, PA  
Kerry Bonge, Burke HS, Omaha, NE  
Vicki Borek, North Quincy HS, Quincy, MA  
Christine Bradley, North Penn HS, Lansdale, PA  
Gillian Brest Van Kemper, Evanston Township HS, Evanston, IL  
Katie Brittin, Roosevelt HS, Des Moines, IA  
Meredith Brooks, East Mecklenburg HS, Charlotte, NC  
Nicole Brown, Pinole Valley HS, Pinole, CA  
Jennifer Brownfield, South Vermillion HS, Clinton, IN  
Kim Brunelle, Bellingham HS, Bellingham, WA  
Lori Budden, Zionsville Community HS, Zionsville, IN  
Raina Bulota, Sehome HS, Bellingham, WA  
Amy Burton, Huntington HS, Huntington, NY  
Deanna Butler, Pioneer HS, Ann Arbor, MI  
Karen Cabell, North Montgomery HS, Crawfordsville, IN  
Susan Cain, West HS, West Bend, WI  
Michelle Caldwell, Crown Point HS, Crown Point, IN  
Julie Capps, North HS, Downers Grove, IL  
Lydia Carlsgaard, Silver Creek HS, San Jose, CA  
Lori Carlson, Warren Central HS, Indianapolis, IN  
Michelle Carns, Area HS, Spring Grove, PA  
Jennifer Carter, Turpin HS, Cincinnati, OH  
Tracey Christensen, Rockford HS, Rockford, MI  
Kathryn Chu, North HS, Columbus, IN  
Tara Clark, Liberty Union HS, Brentwood, CA  
Kelly Clevenger, Delta HS, Muncie, IN  
Kristin Ciofletier, William P. Clements HS, Sugar Land, TX  
Katherine Comanor, Palo Alto HS, Palo Alto, CA  
Laura Corson, West Genesee HS, Camillus, NY  
Erika Cottrell, Southmont HS, Crawfordville, IN  
Michelle Coughlin, Central HS, New Hartford, NY  
Carrie Curtis, Cumberland Valley HS, Mechanicsburg, PA  
Ellie D'Attri, McKinley HS, Canton, OH  
Maura Danforth, Mercer Island HS, Mercer Island, WA  
Heather Davies, C.W. Baker HS, Baldwinville, NY  
Christi Davis, Mt. Vernon HS, Mt. Vernon, WA  
Julie Delamarter, Albion HS, Albion, MI  
Julie Denham, Binghamton HS, Binghamton, NY  
Rebecca Dernbach, Rangewood HS, Aurora, CO  
Joanna Dinsmore, Gateway Regional HS, Woodbury Heights, NJ  
Kimber Divincenzo, East HS, Rochester, NY  
Susan Donahoe, New Trier HS, Winnetka, IL  
Andrea Drano, Seattle Preparatory School, Seattle, WA  
Rachel Dwyer, B.N.L. HS, Bedford, IN  
Alison Edelman, McMinnville HS, McMinnville, OR  
Danielle Edmonds, Pamona HS, Arvada, CO  
Deborah Edmondson, Plainfield HS, Plainfield, IN  
Diane Egede-Nissen, W.T. Woodson HS, Fairfax, VA  
Lisa Ellis, Bellevue HS, Bellevue, WA  
Key Ellison, Houston Lee HS, Houston, TX  
Amy Evans, Findlay HS, Findlay, OH  
Donna Flatich, Central Bucks West HS, Doylestown, PA  
Karey Foster, Highland HS, Highland, IN  
Kara Franklin, St. Mark's HS, Wilmington, DE  
Kara Frederick, East HS, Lincoln, NE  
Tonya Freeman, Eastern HS, Greentown, IN  
Joann Fretz, Edmond Memorial HS, Edmond, OK  
Wendy Frimet, Nova HS, Davie, FL  
Laura Gallo, Leominster HS, Leominster, MA  
Susan Garver, Westside HS, Omaha, NE  
Laurie Gaudes, Menomonee Falls HS, Menomonee Falls, WI  
Melinda Gehrs, Oak Ridge HS, Oak Ridge, TN  
Lisette Gillespie, St. Petersburg HS, St. Petersburg, FL  
Tracy Gillette, North HS, Olathe, KS  
Ginger Gravin, Florida Christian HS, Miami, FL  
Heather Gravin, Florida Christian HS, Miami, FL  
Cynthia Greene, Perkins HS, Sandusky, OH  
Leslie Guerrieri, Penn Trafford HS, Harrison City, PA  
Beverly Gugel, McLaughlin HS, McLaughlin, SD  
Jennifer Gust, Munster HS, Munster, IN  
Jennifer Haase, Miramonte HS, Orinda, CA  
Cara Hafner, Crescent Valley HS, Corvallis, OR  
Christine Hagovsky, Shawnee HS, Medford, NJ  
Heather Hahn, Rampart HS, Colorado Springs, CO  
Allison Hall, East HS, Grand Rapids, MI  
Laura Hammond, Richland HS, Fort Worth, TX  
Wendy Hamstra, Kankakee Valley HS, Wheatfield, IN  
Tanya Hands, East HS, Rochester, NY  
Amy Hannes, Monroe-Woodbury HS, Central Valley, NY  
Nadia Hansel, John F. Kennedy HS, Silver Spring, MD  
Kriszy Hasenberg, Central HS, Red Wing, MN  
Lori Hassinger, Red Land HS, Lewisberry, PA  
Trina Hatke, Benton Central HS, Oxford, IN  
Pia Heiberg, Bellevue HS, Bellevue, WA  
Theresa Helm, Mark Morris HS, Longview, WA

Jill Helgason, Central HS, Greenfield, IN  
Jensen Hertzler, Goshen HS, Goshen, IN  
Jennifer Higgins, Pine Crest School, Fort Lauderdale, FL  
Jane Hillis, Binghamton HS, Binghamton, NY  
Susan Hinderlitter, Chatfield HS, Littleton, CO  
Janelle Hite, East Noble HS, Kendallville, IN  
Elizabeth Hogan, Oak Ridge HS, Oak Ridge, TN  
Suzette Huguenin, Perkiomen Valley HS, Graterford, PA  
Julie Hyslop, Harrison HS, West Lafayette, IN  
Cara Jacobson, Seattle Prep School, Seattle, WA  
Dana Jakel, Enumclaw HS, Enumclaw, WA  
Heather Jaynes, Langham Creek HS, Houston, TX  
Shannon Jensen, Ben Davis HS, Indianapolis, IN  
Jennifer Johnson, Wheat Ridge HS, Wheat Ridge, CO  
Sarah Johnston, Sheldon HS, Eugene, OR  
Carrie Johnston, Soldotna HS, Soldotna, AK  
Tracy Juncker, Austin HS, Austin, MN  
Rachael Karabin, Portage HS, Portage, IN  
Trina Kell, Bowling Green HS, Bowling Green, OH  
Cheryl Kemble, Mt. Vernon HS, Mt. Vernon, WA  
Sarah Kendrick, North HS, Columbus, IN  
Jane Unsoo Kim, Rock Springs HS, Rock Springs, WY  
Michelle King, Wayne Memorial HS, Wayne, MI  
Laura Kintz, Marion HS, Marion, IN  
Diane Kirkley, Lely HS, Naples, FL  
Elsaine Koehn, Wheat Ridge HS, Wheat Ridge, CO  
Shannon Koenes, Franklin Community HS, Franklin, IN  
Kathy Koerber, Downingtown HS, Downingtown, PA  
Kelley Kolodziej, Seaholm HS, Birmingham, MI  
Karl Kovach, Seaholm HS, Birmingham, MI  
Koren Kuna, Bowling Green HS, Bowling Green, OH  
Theresa Lamb, South Grand Prairie HS, Grand Prairie, TX  
Julie Lamberg, Hastings HS, Hastings, MN  
Susan Lane, Central Islip HS, Central Islip, NY  
Jennifer Larala, Houston Lee HS, Houston, TX  
Holly Larson, Central Islip HS, Central Islip, NY  
Kerry Larson, Millard North HS, Omaha, NE  
Grace Lee, Carl Sandburg HS, Grand Prairie, TX  
Kathryn Leonard, Lake Braddock Secondary, Burke, VA  
Deanna Leonard, Roseville Area HS, Roseville, MN  
Michelle Lizardi, Thompson Valley HS, Loveland, CO  
Christine Loker, Brighton HS, Brighton, CO  
Allison Lucas, Lacrosse Central HS, Lacrosse, WI  
Patty Lyman, North HS, Downers Grove, IL  
Elin Lynch, Evanston Township HS, Evanston, IL  
Sara MacKeigan, East Grand Rapids HS, Grand Rapids, MI  
Jeannie MacNab, Bellevue HS, Bellevue, WA  
Dawn Marsala, Saucon Valley HS, Hellertown, PA  
Christine Marshall, Kickapoo HS, Springfield, MO  
Wendy Martin, Bellevue HS, Bellevue, WA  
Katherine Masur, River Forest HS, Oak Park, IL  
Allison McCurdy, W.T. Woodson HS, Fairfax, VA  
Amy McCadden, Westfield HS, Westfield, NJ  
Lisa McGough, Willow Run HS, Ypsilanti, MI  
Anna McKie, Kickapoo HS, Springfield, MO  
Kathleen McKillop, South Salem HS, Salem, OR  
Jodi McMann, Williamsburg HS, Williamsburg, IA  
Jennifer Means, Park Tudor HS, Indianapolis, IN  
Kimberly Megason, Pleasant Grove HS, Texarkana, TX  
Victoria Meyer, Brighton HS, Brighton, CO  
Elizabeth Michael, Dewitt HS, Dewitt, MI  
Jane Mickelsen, Central HS, Hancock, MI  
Jennifer Miller, Central HS, Victor, NY  
Lorell Miller, McMinnville HS, McMinnville, OR  
Stephanie Miller, Wissahickon HS, North Wales, PA  
Tori Miller, Wheat Ridge HS, Wheat Ridge, CO  
Marnie Morgan, Bedford North Lawrence HS, Bedford, IN  
Brenda Moyer, Kickapoo HS, Springfield, MO  
Marsha Moyer, Kickapoo HS, Springfield, MO  
Gretchen Muhlhauer, Aberdeen HS, Aberdeen, WA  
Jennifer Munyan, St. James HS, Carney's Point, NJ  
Emily Musgrave, Boca Ciega HS, St. Petersburg, FL  
Stacey Mustard, Highland HS, Highland, IN  
Yvonne Nelson, Brazoswood HS, Cuyler, TX  
Laina Nixon, Corvallis HS, Corvallis, OR  
Laura Noble, Seminole HS, Seminole, FL  
Kristi Nockle, Douglas HS, Douglas, WY  
Kathleen O'Shea, North Penn HS, Lansdale, PA  
Chawn Oakley, Oak Harbor HS, Oak Harbor, OH  
Stacy Obedin, Arthur L. Johnson Regional HS, Clark, NJ  
Kristen Oberdorf, James Madison HS, Milwaukee, WI  
Anne Oberg, Campolindo HS, Moraga, CA  
Lanette O'Brien, Mount Vernon HS, Mount Vernon, WA  
Elizabeth Olbrich, Cathedral HS, Springfield, MA  
Rosemarie Pardo, Plainville HS, Plainville, CT  
Becki Parr, Richland HS, Fort Worth, TX  
Margaret Ann Pasek, Prospect HS, Saratoga, CA  
Becky Peterson, Stevens Point HS, Stevens Point, WI  
Karen Petkun, Hudson HS, Hudson, OH  
Karen Pfautz, Wilson HS, West Lawn, PA  
Christine Phillips, Central Islip HS, Central Islip, NY  
Shannon Pinquoch, Anacortes HS, Anacortes, WA  
Joan Pokluda, Klein HS, Klein, TX  
Michele Pryn, Schaumburg HS, Schaumburg, IL  
Theresa Quinn, Bowling Green HS, Bowling Green, OH  
Montakhan Ratnarathorn, Notre Dame Academy, Staten Island, NY  
Shelly Rayback, State College Area HS, State College, PA  
Megan Reed, Roosevelt HS, Des Moines, IA  
Deborah Reuther, Plantation HS, Plantation, FL  
Chrissie Reynolds, Valley HS, West Des Moines, IA  
Vanessa Reynolds, Rock Springs HS, Rock Springs, WY  
Michelle Richards, Hobart HS, Hobart, IN  
Robin Rinker, Center HS, Kansas City, MO  
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Marie Robinson, Glenbrook South HS, Glenview, IL  
Samantha Rocker, Christian School, Lakeland, FL  
Heidi Roebler, Jamestown HS, Jamestown, ND  
Julie Roskowski, Hobart HS, Hobart, IN  
Jennifer Rose, St. Mark's HS, Wilmington, DE  
Allison Roush, Albion HS, Albion, MI  
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Christine Schwab, Sabino HS, Tucson, AZ  
Kathy Scruggs, Thompson Valley HS, Loveland, CO  
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Esabelle Sepulveda, Lake Braddock Secondary, Burke, VA  
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Elisabeth Sherman, Radnor HS, Radnor, PA  
Jennifer Sherwood, Norcross HS, Norcross, GA  
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Karen Snow, Bangor HS, Bangor, ME  
Teena Speer, Fenton HS, Fenton, MI  
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Susanne Spisak, Slidder HS, Fort Wayne, IN  
Kristin Spoelstra, Rockford HS, Rockford, MI  
Debbie Steenson, Shawnee Mission South HS, Overland Park, KS  
Beth Steininger, Hobart HS, Hobart, IN  
Alice Stone, Midland HS, Midland, MI  
Leslie Strate, Wheat Ridge HS, Wheat Ridge, CO  
Lyssa Sundin, Rosemount HS, Rosemount, MN  
Dawn Sutton, East HS, Rochester, NY  
Christy Tanner, Roseburg HS, Roseburg, OR  
Triffy Thompson, Charlotte Latin School, Charlotte, NC  
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Angi Todd, Central HS, Elkhart, IN  
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Anne Trullitt, St. Francis HS, Mountain View, CA  
Karen Urban, Rosemount HS, Rosemount, MN  
Pamela Urbas, Bainbridge HS, Bainbridge Island, WA  
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Christy Van Patten, Bridgman HS, Bridgman, MI  
Katie Vesnaugh, Plymouth Salem HS, Canton, MI  
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Amy Williamson, Richland HS, Fort Worth, TX  
Kirsten Willie, Corvallis HS, Corvallis, OR  
Jennifer Willman, Redmond HS, Redmond, WA  
Paula Witham, State College Area HS, State College, PA  
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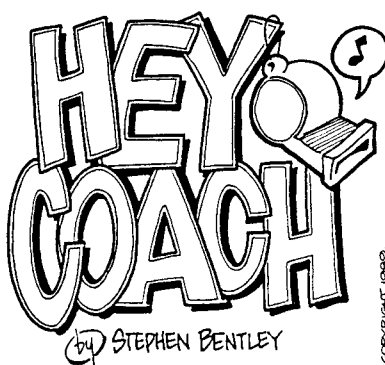
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 Jason Gannon, Paul G. Blazer HS, Ashland, KY  
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 George Gavros, North HS, Quincy, MA  
 Peter Genrich, West HS, Wauwatosa, WI  
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Scott McGaraghan, Palo Alto HS, Palo Alto, CA  
 John McGillicuddy, Pioneer HS, Ann Arbor, MI  
 Christopher McKnight, North HS, Terre Haute, IN  
 Kevin McKnight, Chaminade HS, Mineola, NY  
 Brian Meade, Fairport HS, Fairport, NY  
 Stephen Meade, Oxon Hill HS, Oxon Hill, MD  
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 Reed Meyer, Wheat Ridge HS, Wheat Ridge, CO  
 Ryan Meyerhoff, Madisonville N. Hopkins HS, Madisonville, KY  
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 Patrick Moriarty, Chaminade HS, Mineola, NY  
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 Paul Nachazel, Dewitt HS, Dewitt, MI  
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 David Nardino, Winter Park HS, Winter Park, FL  
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# Time Standards Abused At JOs

Our daughter recently attended her first New Jersey Junior Olympics. In her three years as a competitive swimmer, she has gradually worked her way through the levels of U.S. Swimming with great determination. This summer, her goal—motivated largely by the excellent one-day LSC camp she attended—was to reach Junior Olympics, and she worked extremely hard, attending multiple practices most days. I believe her achievement of qualifying times in the 50 and 200 free was the high-point of her swimming career to date.



Believing in the quality standards of this meet, she proudly entered exact official long course times for her two events and regretted she couldn't swim the 100 free because her time was 6-tenths of a second too slow. She went to West Point for one event only on each of two days, thrilled with the honor and excited about the opportunity to swim against the best competition she'd ever met.

Can you imagine the disappointment and frustration she felt to find at the meet acquaintances who were barely B-level swimmers seeded into her 50 free event with times that were three to four seconds faster than they had ever actually swum? Talking to others throughout the meet, she quickly discovered that there were numerous swimmers entered in one event after another with made-up times. Expecting to meet excellent competition, she was disappointed to find herself easily winning her heats in both events with the only A-time swum in her heats.

We are seriously concerned about the current abuse of the time standards for this meet and others for four reasons:

1. It undermines the purpose of the A, B and C levels of U.S. Swimming, which are intended to enable

each swimmer to compete successfully at his/her own level.

2. It erodes the ability of meet sponsors to limit the size of meets through qualifying standards in order to assure meets of reasonable length and optimal conditions for competitors. Crowded, overly long meets have been a concern to many this year.

3. Serious seeding inequities result when qualifying times are established and then "met" by coaches with made-up times. This leads to heats of quite disparate swimmers in what should be top-level, close competitions and penalizes those who have legitimately come to the meet expecting to swim with others of like ability.

Of 30 girls who competed in the 9-10 50 free, only 11 swam A-times. In the 200 free, approximately one-third of the entrants swam times that were 10 or more seconds slower than the A-standard. This undermines both the quality and the prestige of the Junior Olympics.

4. Most importantly, our swimmers are being taught by their coaches that it's OK to cheat. It's OK to enter a meet for which you haven't qualified. It's OK to subtract three to four seconds from your 50 time and swim right alongside those kids who may have worked one to two years to cut those three to four seconds off their times.

Furthermore, the distortion in seeding caused by this abuse almost forces other coaches and parents to "adjust" their swimmers' times to avoid having those swimmers end up in an inappropriately slow heat.

Obviously, meet officials cannot and should not police entry times of swimmers. But the existence of a serious problem should be recognized by all in U.S. Swimming, and coaches and representatives should discuss ways to put an end to the current disregard for qualifying standards.

We can understand that some coaches may have taken swimmers who qualified in one event and en-

tered them in others to make the trip to West Point worthwhile. Perhaps a special allowance should be made for swimmers who qualify in one or two events to enter a given number of others, *but only with honest seed times* that will assure that they are not mis-seeded in the midst of swimmers with legitimate qualifying times.

We went to Junior Olympics expecting to find the best that U.S. Swimming has to offer. It is a sad commentary, indeed, if what we found is the best!

**RICHARD AND RUTH BARNEY**  
Chatham, New Jersey

## Crocker Has Fastest Start

After watching a segment of the outdoor senior nationals on television, I am sitting here wondering how long it's going to take John Naber to figure out that USA sprinter Steve Crocker has the fastest start in the world.

Matt Biondi, as a junior in high school, was the fastest high school sprinter in the nation. Crocker, by ▶

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contrast, as a junior in high school not only had never swum in a meet, he had never even *seen* a swim meet. Without the age group background, it took Steve a *little* longer to learn about swimming.

However, way back in 1985 when (after just four years of competitive swimming) Steve was in the NCAA Division I finals, he blew Jager and

Biondi away on the start. (For interest sake, refer to the May 1985 issue of *Swimming World*, page 26, and note the picture of Jager and Biondi. In the background, one can see a pair of legs, already way ahead—those legs are Crocker's.)

If one would take the time to view films of all the major meets in the United States over the last four or

five years, you will see that Crocker is *always* the first one in the pool. He has lightning reflexes and extremely powerful legs. His start is so fast that on occasion officials have thought he false-started—after the fact—because they didn't believe anyone could get away that fast.

Naber, in his commentary, went on and on about how it was Crocker who false-started, thus giving the television audience the idea that Steve didn't belong in the race. If Naber had taken the time to not only watch Crocker, but also *listen* to the horn, he would have seen that Crocker was dead still at the sound of the horn.

While I'm on the subject, I also get a little tired of Naber saying that nobody knows Crocker. He's a great sprinter and has been for five years. He has won senior nationals, the U.S. Open and the World Cup in Bonn, West Germany.

He is right now at least the third best sprinter in the world behind Jager and Biondi (his third-place time in the Olympic trials was faster than the third-place time in the Olympics).

With his extremely late start in swimming, he is one of the great stories in American swimming history—it's time to give credit where credit is due, John.

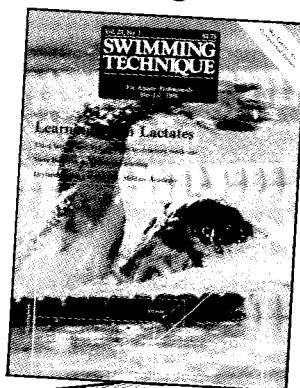
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Swim Coach

Western Kentucky University

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## Misquoted

In "Fast Bucks" (August 1989), Mark Muckenfuss misquoted me regarding the financial arrangements for the invitational swimming meet referred to in the article. On Nov. 17, 1988, we wrote to Ray Essick, executive director of U.S. Swimming, and clearly stated that we would be prepared to issue "letters of credit" to guarantee appearance fees for U.S. athletes and transportation for the Soviet swimmers. From that day forward, our position never changed in that regard.

Thank you for the lively presentation of the issue. It is surely a topic that will keep folks talking.

JOSEPH COPLAN  
New York, N.Y. ☐

# Calendar

## NATIONAL AQUATIC ORGANIZATIONS

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(609) 772-6197 (home)

U.S. Olympic Committee  
1750 E. Boulder Street  
Colorado Springs, CO 80909  
(719) 632-5551

## OCTOBER

14 Moore, OK  
14 Plano, TX  
14-15 Irvine, CA  
14-15 Los Angeles, CA  
14-15 Santa Maria, CA  
14-15 Vacaville, CA  
14-15 Middleburg Hts., OH  
14-15 Bellevue, WA  
14-15 Puyallup, WA  
15 Madison, WI  
21 Greensboro, NC  
21 Bartlesville, OK  
21 McAllen, TX  
21 Brookfield, WI  
21-22 Camarillo, CA  
21-22 Lancaster, CA  
21-22 Ripon, CA  
21-22 Sierra Nevada, CA  
21-22 Tulare, CA  
21-22 Hudson, OH

Pentathlon 918-299-3288  
City of Plano Swimmers "A" 214-985-7665  
Irvine Novaquatics AB Meet 714-733-8004  
Senior Meet 213-743-7590  
Santa Maria ABC Meet 805-928-9655  
Vacaville Swim Club B-A+ 707-446-8713  
Season Opener AG/Open 216-961-6235  
Chinook AC North A-AA  
Univ. Place AC South A-AA  
Verona A-BC Open, scm 608-274-8194  
October Follies II Meet, AG/SR 919-379-9411  
Relay Meet 918-299-3288  
McAllen Swim Club Unclassified 414-782-1145  
Embrook A-B-C Open, sc 805-987-3986  
Pleasant Valley ABC Meet 805-943-1495  
Desert Oasis AB Meet 209-599-6720  
Sierra Nevada Aquatics Invitational 209-688-8025  
Tulare BC Championships, sc before 9 p.m. 216-556-9795  
EAC Alltel Trophy Meet, odd AG 412-833-0845  
21-22 Dallas, TX 214-416-6223  
21-22 Pacific NW, WA Highline Swim Club Mini Meet 414-423-0612  
22 Greendale, WI Mark Chiles Invit., A-B Open 901-276-3770  
27-29 Memphis, TN Longhorn Unclassified Meet 407-488-2001  
28 Boca Raton, FL Broward County BC Meet 305-752-9447  
28 Coral Springs, FL Dade County BC Meet 305-932-4200  
28 Palm Beach, FL Palm Beach County BC Meet 407-278-7104  
28 Columbus, OH GCST October B Meet 614-855-1875  
28 Kettering, OH New Swimmers Meet 513-299-4013  
28 Mequon, WI County Line A-BC Open, sc 414-644-6421  
28-29 Arroyo Grande, CA Five Cities ABC Meet 805-481-6399  
28-29 Glendora, CA Glendora Swim Club ABC Meet 918-335-7981  
28-29 Merced, CA Merced ABC, sc 209-722-6052  
28-29 Sacramento, CA American River Patriots Invit. 916-481-4961  
28-29 Tulsa, OK Developmental, Unclassified 918-299-3288  
28-29 Bellevue, WA Chinook AC SR., non-standard 918-299-3288  
28-29 Bellevue, WA Bellevue AC North 14&U AAA 918-299-3288  
28-29 Tacoma, WA South 14&U AAA 608-754-0597  
28-29 Janesville, WI Janesville A-BC Open, sc 608-754-0597

## NOVEMBER

3 Madison, WI Madison Aquatics A-B-C Open 608-257-4823  
3-5 Sacramento, CA SNO Meet, sc 916-758-0315  
3-5 Greensboro, NC Dewey "A" Invit., AG/SR 919-379-9411  
3-5 Dayton, OH Dayton Raiders Invitational 513-873-2771  
3-5 Worthington, OH Worthington Open 614-431-2178  
3-5 Stillwater, OK ABC Meet 918-299-3288  
3-5 Tulsa, OK AA Senior Meet 918-299-3288  
4 Miami, FL A, 8&U-18 305-366-8835  
4 Cedar Falls, IA CFSC ABC and Sprint, scm 214-985-7665  
4 Plano, TX COPS "C" Little Splashes 214-985-7665  
4 Greenfield, WI Madison Aquatics Open, 8&U 414-529-3761  
4 Madison, WI Madison Aquatics Swim Open Age 608-257-4823  
4 Palm Desert, CA Palm Desert Sand Sharks BC 618-568-0945  
4-5 Santa Ana, CA SoCal Aquatics BC Meet 714-731-6044  
4-5 Southern Calif. Senior Meet 819-990-5876  
4-5 Van Nuys, CA Monarch Assoc. ST ABC Meet 805-642-2071  
4-5 Ventura, CA Buena Senior Club ABC Meet 303-690-7366  
4-5 Aurora, CO Mission Viejo B and Below 216-438-2738  
4-5 Canton, OH Canton Invitational AG/Open 414-242-2211  
4-5 Southwest LSC, TX TCAT All Star Qualifying Meet 303-352-2343  
4-5 Brown Deer, WI Schroeder A-B Open, sc 319-277-3380  
5 Greeley, CO Greeley Fall Prints 303-352-2343  
5 Cedar Falls, IA CFSC Sprint/Relay Meet, scm 319-277-3380  
10-12 Edinburgh, SCO Scottish Open Meet  
10-12 Cincinnati, OH CPM November Invitational 513-761-3320  
11 Fairfield, CA 1650 Yard Meet, sc 707-428-7424  
11 Hubbard, OH Hubbard BC Meet 216-534-0862  
11-12 TBA, CO Fall Senior Circuit Meet  
11-12 Ponca City, OK BC Meet 918-299-3288  
11-12 Southwest LSC, TX LAC BC Meet w/10&U 214-933-7946  
11-12 Seattle, WA Rainier Valley North A-AA  
11-12 Sumner, WA Maranatha ST South A-AA  
12 Lakewood, OH Mile Meet, AG/Open 216-529-4081  
12 Ft. Atkinson, WI Fort Atkinson BC Open, sc 414-563-8705  
12 Waukegan, WI Waukegan County Express A-BC 414-549-1769  
17-18 Menomonee Falls, WI Menomonee Falls A-BC Open 414-781-1769  
17-19 W. Des Moines, IA DMSF AB Meet, sc (Westbank) 515-270-0979  
17-19 Dayton, OH Wright Patterson Fall Festival 513-878-3700  
18 Sierra Nevada LSC All Star Dual Meet, sc  
18-19 Corona, CA Corona Swim Club ABC Meet 714-734-5445  
18-19 Edwards AFB, CA Indian Wells Valley Invit. 619-446-2744  
18-19 Fairfield, CA Fairfield Aquatic Club Invit., sc 707-426-3689  
18-19 Mission Viejo, CA Mission Viejo ABC Meet 714-951-6872  
ext. 2294  
18-19 Santa Barbara, CA Santa Barbara ABC Meet 805-967-1412  
18-19 Cleveland, OH Viking "A" Fall Classic 216-464-9648  
18-19 Fort Worth, TX Fort Worth Water Works A Meet 817-572-6491  
18-19 Washington Highline SC SR., non-standard  
18-19 Seattle, WA Orca Aquatics South 14&U AAA 414-781-1769  
18-19 Whitefish Bay, WI Cascade SC North 14&U AAA 414-352-7994  
22-25 Canada North Shore A-B-C Open, sc  
24-26 Boca Raton, FL Commonwealth Games Trials 407-488-2001  
24-26 Oahu, HI Age Group, 8&U-SR 808-456-1472  
24-26 Columbus, OH Golden Bear Thanksgiving Invit. 614-481-9482  
24-26 Toledo, OH Greater Toledo AC Turkey Meet 419-473-2802  
24-26 Madison, WI Badger Dolphins A-BC Open, sc 608-231-1073  
25-27 Arvada, CO Turkey Meet, ABC 303-420-2838  
26-27 Cedar Rapids, IA CRAA Harvest Meet, Unclass. 319-363-2548

## DECEMBER

1-3 Sacramento, CA Sierra Nevada Champs., sc 916-421-6235  
1-3 Waterloo, IA WSSC Sharks Classic, ABC + 319-234-8635  
1-3 Akron, OH LESD AG/Open 216-371-2552  
1-3 Bothell, WA PNS Champs /JOs  
1-3 Seattle, WA Husky Open, Seniors  
2 Longmont, CO Longmont Marlins Pentathlon 805-733-3021  
2 Ft. Lauderdale, FL Santa Claus Meet 305-492-4173  
2 Lytal, FL Palm Beach County BC, 9 & up 407-686-6811  
2 Miami, FL Dade County BC 305-598-1789  
2 Hartland, WI Lake Country Phoenix A-B-C 414-367-4413  
2-3 Clovis, CA All-Star Meet  
2-3 Culver City, CA Culver City Swim Team AB 213-750-7850  
2-3 El Toro, CA Aliso Hills Swim Ranch BC 714-581-1135  
2-3 Plantation, FL Two-day Senior Meet, lc 305-797-2768  
2-3 Las Vegas, NV Las Vegas Gold ABC 702-385-7946  
2-3 West Carrollton, OH Moraine Mini Meet, 10&U 513-859-8740  
2-3 Bartlesville, OK "B" and Below Meet 918-299-3288  
2-3 Wichita Falls, TX MSU BC Meet 817-723-2575  
2-3 Brown Deer, WI Schroeder YMCA Meet, sc 414-242-2211  
2-4 Pacific LSC, CA Pacific AG Championships 614-846-6140  
2-4 Worthington, OH Kay Callard Mile Meet 719-578-4578  
3-5 Orlando, FL U.S. Open 805-683-2925  
7-10 Long Beach, CA Winter Invitational 305-764-4822  
8-10 Ft. Lauderdale, FL "A" Trophy Meet  
8-10 St. Louis, MO Sugar Creek Holiday Invitational 314-227-5390  
8-10 Cincinnati, OH CPM December Invitational 513-761-3320  
8-10 Richardson, TX COR "A" Meet 214-669-8326  
9 Fairview Park, OH 28th Fairview Parents AG/Open 216-734-5224  
9 Brookfield, WI Badgerland Dual Conference, sc 414-782-1145  
9-10 Glendora, CA Glendora BC Meet 818-335-7981  
9-10 Seima, CA RCA ABC, sc 209-834-2435  
9-10 Simi Valley, CA Conjo-Simi Aquatics ABC 805-581-2311  
9-10 Valencia, CA Canyons Aquatic Club BC Meet 805-249-2329  
9-10 Bowling Green, OH Bowling Green Holiday Invit. 419-353-1654  
9-10 Mount, Tenn., WA BC Meet 918-299-3288  
9-10 Pacific NW, WA North 18&U Non-Qual.  
9-10 Puyallup, WA Central 18&U Non-Qual.  
9-10 Racine, WI South 18&U Non-Qual.  
9-10 Solon, OH Southeast Aquatics ABC Open 414-886-3088  
10-11 Englewood, CO Solon Sprint Meet, AG 216-562-6476  
15-17 Towson, MD 17th Annual Holiday Open 303-761-5175  
15-17 Princeton, NJ MBAC Xmas Meet 301-725-2223  
15-17 Columbus, OH Eastern Express Holiday Classic 609-771-1467  
16 Canton, OH GCST Holiday Invitational 614-855-1875  
16 Grafton, WI NEA Blizzard Blast, 14&U, AG 216-452-9831  
16-17 Bellflower, CA Gr. Ozaukee Dual Conference 414-421-1314  
16-17 Fullerton, CA Bellflower Aquatic Club "A" 213-920-3158  
16-17 India, CA Fullerton Aquatics "A" 714-585-8520  
16-17 Cedar Falls, IA Coaches Valley ABC  
16-17 Tulsa, OK CFSC Brown Bottle ABC +, scm 319-277-3380  
16-17 Bolot, WI AB Meet 918-299-3288  
16-17 Madison, WI Beloit A-BC Open, sc 608-364-4269  
27-29 Oahu, HI DeForest A-BC Open, sc 608-249-3083  
Aulea Invitational 808-263-4155

## JANUARY 1990

5-6 Germantown, WI Germantown A-BC Open, sc 414-332-8136  
5-7 Brown Deer, WI Schroeder YMCA Meet, sc 319-242-2211  
6-7 Bettendorf, IA Bettendorf ABC + Open, sc 414-559-5766  
6-7 Middle, Hgts., OH B-C and Open (no cuts in Open) 216-961-8235  
6-7 Worthington, OH New Years invitational 614-846-6140  
12-14 Kettering, OH Kettering Invitational 513-299-4013  
12-14 Madison, WI Badger Dolphins A-BC Open, sc 608-231-1073  
13 Vinton, IA Vinton Fun Festival, 20 yd. 319-472-4030  
13-14 Columbus, OH Twin Winner Invitational 614-481-9482  
13-14 Lakewood, OH Jim Scullion "A", p/I 216-529-4081  
13-14 Toledo, OH South Toledo Y Holiday Invit. 419-865-7704  
13-14 Shorewood, WI Shorewood A-BC Open, sc 414-332-1953  
19-21 Ayersville, OH Ayersville Mid-Winter Invit. 419-782-0103  
19-21 Cincinnati, OH CPM January Invitational 513-761-3320  
19-21 Madison, WI Madison Aquatics A-BC Open 608-257-4823  
20-21 Columbus, OH Greater Columbus ST B Meet 614-855-1875  
20-21 Iowa City, IA CSC ABC +, sc 319-354-1657  
20-21 Fairview Park, OH Super Bowl Swim Meet 216-734-5224  
20-21 Mequon, WI County Line A-BC Open, sc 414-241-8921  
20-21 Greenfield, WI Southwest Aquatics ABC, sc 414-529-3761  
21 Muskegon, WI Marin Aquatics A-BC Open, sc  
24-3 Auckland, NZ XIV Commonwealth Games  
26-27 Columbus, OH Mike Peppe Classic  
26-28 Geneva, SU 24th Int'l. Champs. of Geneva 022-42-19-72  
(M, T, Th PM)

## MASTERS

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NOVEMBER  
11-12 Anderson, SC Electric City Invitational, scm 803-224-7957  
DECEMBER  
3 Coronado, CA San Diego/Imperial Distance, sc 619-275-1292

## SYNCHRONIZED SWIMMING

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OCTOBER  
26-29 Fort Lauderdale, FL Masters Nationals

## WATER POLO

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NOVEMBER  
3-5 Irving, TX Men's Indoor National Champs.  
24-26 Indianapolis, IN NCAA Championships  
DECEMBER  
19-23 Colo. Springs, CO Nat'l. JR Development Camp

## CLINICS

OCTOBER  
29-31 Colo. Springs, CO First IOC World Congress on Sports Sciences 719-578-4575  
JANUARY 1990  
23-25 Auckland, NZ 1990 Commonwealth & Int'l. Conference on Health, Physical Education, Sport, Dance, Recreation & Leisure



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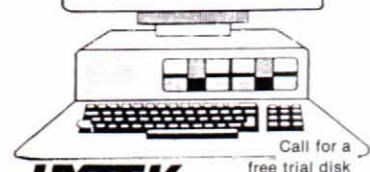
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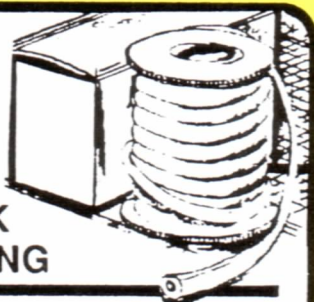


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