



# FINA Masters News

December 1999

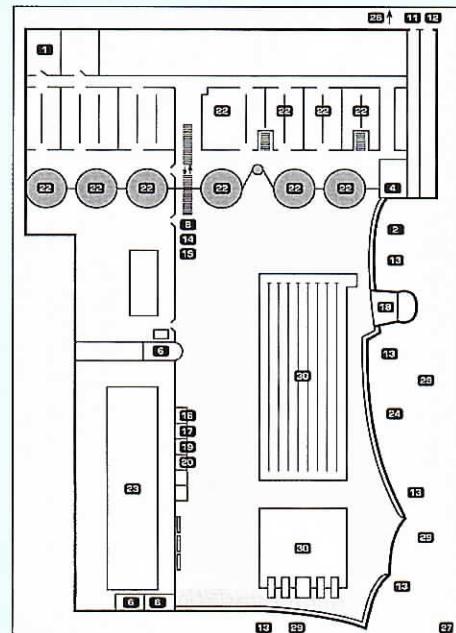
Official Newsletter of the FINA Masters Swimming Committee

N° 16

## 8th FINA WORLD MASTERS CHAMPIONSHIPS 27 July – 7 August 2000, Munich (GER)

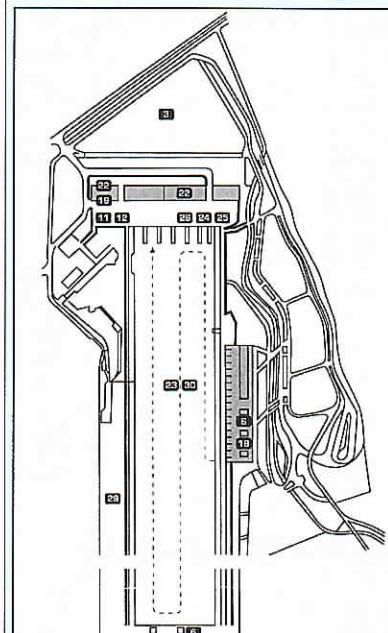
### Olympic Pool

- Legend**
- 1 FINA Lounge
  - 2 Engraving service
  - 3 Physiotherapy and Sport Massage
  - 4 Medical Treatment First Aid
  - 5 FINA Open Forum 28<sup>th</sup> July
  - 6 Main entrance participants
  - 7 Main entrance companions / spectators
  - 8 Sales / commercial area / sportswear
  - 9 Passage to basement
  - 10 Passage to stalls
  - 11 Office-diving / synchro
  - 12 Diving recorders Music centre synchro
  - 13 Marshalling area swimming
  - 14 Meet office / timing / results
  - 15 Meet office swimming
  - 16 Showers / changing room toilets / WC
  - 17 Trainpool / warmup pool
  - 18 Food and beverages
  - 19 Kindergarten / play school
  - 20 Rest area / lawn
  - 21 Competition pool



### Rowing Course

- Legend**
- 22 Camping
  - 23 Medical Treatment First Aid
  - 24 Main entrance participants
  - 25 Main entrance companions / spectators
  - 26 Marshalling area swimming
  - 27 Meet office / timing / results
  - 28 Showers / changing room toilets / WC
  - 29 Training pool / warm up pool
  - 30 Souvenir Shop
  - 31 Meeting Point
  - 32 Food and beverages
  - 33 Rest area / lawn
  - 34 Competition pool



Along with the local preparations for the event, which are running quite well, the organizers of the next FINA World Masters Championships have already published the Official Entry Book. All information about the competition rules or facilities during the event can be found there in. The final date for entries to be received by the Organizing Committee is 27 June 2000.

#### Contact address:

Organizing Committee  
8th FINA Masters World Championships  
Dorfstrasse 20, D – 81247 München

Phone: (49-89) 89 16 09 20  
Fax: (49-89) 89 16 09 21  
Internet: [www.munich-2000.de](http://www.munich-2000.de)  
E-mail: [msm-masters@t-online.de](mailto:msm-masters@t-online.de)

The Application Form for Technical Meet Officials for the 8th FINA World Masters Championships should be returned to the FINA Office (SUI) no later than 28 February 2000. All Technical Meet Officials shall be nominated from among those listed on the FINA Masters Officials Lists N° 2, N° 3 and N° 4. All expenses such as travel, accommodation, meals and others for the Technical

Meet Officials should be provided by each National Federation without any cost to FINA or the Organizing Committee.

A swimmer may enter a maximum of 5 (five) individual events and 2 (two) relays, but not more than two individual events per day. Times entered for individual events must not exceed the qualifying time for that event. Swimmers may also enter the open water swim. All relay team members must be affiliated to the same swimming club. A swimmer may not swim for more than one team per relay event.

### Championships schedule

| COMPETITION | Diving       | Open Water Swimming | Swimming     | Synchronized Swimming | Water polo 1 | Water polo 2 |
|-------------|--------------|---------------------|--------------|-----------------------|--------------|--------------|
| VENUE       | Olympic Pool | Rowing Course       | Olympic Pool | Olympic Pool          | Datenbad     | Olympic Pool |
| 27.07.2000  | Training     |                     | Training     |                       |              |              |
| 28.07.2000  | Training     |                     | Training     |                       |              |              |
| 29.07.2000  | Competition  |                     | Competition  |                       |              |              |
| 30.07.2000  | Competition  |                     | Competition  |                       |              |              |
| 31.07.2000  | Competition  |                     | Competition  |                       |              |              |
| 01.08.2000  | Competition  |                     | Competition  |                       |              |              |
| 02.08.2000  |              | Competition         | Training     |                       |              |              |
| 03.08.2000  |              | Competition         | Training     | Training              |              |              |
| 04.08.2000  | Training     | Competition         | Competition  | Competition           | Competition  |              |
| 05.08.2000  |              | Competition         | Competition  | Competition           | Competition  | Competition  |
| 06.08.2000  |              |                     | Competition  | Competition           | Competition  | Competition  |
| 07.08.2000  |              |                     | Competition  | Competition           | Competition  | Competition  |

### In this issue:

|  |      |
|--|------|
| Munich 2000 - FINA Masters World Championships | 1    |
| FINA World Masters Forum                       | 2    |
| FINA Masters Committee Meeting                 | 2    |
| News of Meets                                  | 3    |
| Masters Movement                               | 3    |
| People   | 3    |
| FINA Masters Officials List No 4               | 3    |
| World Records                                  | 4-11 |
| Calendar of Events                             | 12   |

## Qualifying standard times for swimming

### MEN

| Age Gr. | 50 free | 100 free | 200 free | 400 free | 800 free | 50 back | 100 back | 200 back |
|---------|---------|----------|----------|----------|----------|---------|----------|----------|
| 25-29   | 28.82   | 1:04.39  | 2:23.90  | 5:13.70  | 11:09.33 | 34.25   | 1:14.30  | 2:44.85  |
| 30-34   | 29.33   | 1:05.78  | 2:27.06  | 5:21.80  | 11:15.75 | 35.22   | 1:17.22  | 2:49.84  |
| 35-39   | 30.42   | 1:07.16  | 2:30.16  | 5:29.89  | 11:22.16 | 36.74   | 1:22.47  | 2:54.83  |
| 40-44   | 31.50   | 1:10.05  | 2:37.38  | 5:42.60  | 11:51.16 | 38.26   | 1:23.68  | 3:03.89  |
| 45-49   | 32.54   | 1:12.94  | 2:42.46  | 6:01.93  | 12:26.91 | 39.66   | 1:28.57  | 3:15.38  |
| 50-54   | 33.87   | 1:16.98  | 2:51.20  | 6:17.61  | 13:58.53 | 41.48   | 1:33.76  | 3:26.71  |
| 55-59   | 35.20   | 1:20.07  | 3:04.00  | 6:36.75  | 14:21.03 | 43.30   | 1:38.94  | 3:38.04  |
| 60-64   | 37.24   | 1:25.11  | 3:12.91  | 6:59.36  | 15:03.12 | 46.68   | 1:47.88  | 3:57.66  |
| 65-69   | 39.65   | 1:31.20  | 3:32.78  | 7:43.12  | 16:35.25 | 49.08   | 1:57.62  | 4:13.00  |
| 70-74   | 42.98   | 1:42.16  | 3:54.68  | 8:29.89  | 18:05.82 | 53.78   | 2:07.35  | 4:31.57  |
| 75-79   | 47.44   | 1:54.83  | 4:21.33  | 9:24.00  | 19:30.52 | 1:01.44 | 2:22.00  | 5:20.00  |
| 80-84   | 1:00.00 | 2:07.41  | 4:45.74  | 10:35.13 | 22:00.00 | 1:05.38 | 2:35.24  | 6:10.00  |
| 85-89   | 1:10.00 | 2:44.27  | 6:00.00  | 12:00.00 | 24:00.00 | 1:25.07 | 3:45.00  | 8:18.55  |
| 90-94   | 1:20.00 | 3:10.00  | 7:00.00  | 13:00.00 | 28:00.00 | 1:56.14 | 4:30.00  | 9:45.00  |
| 95      | 1:45.00 | 3:45.00  | 8:00.00  | 15:00.00 | 31:00.00 | 2:30.00 | 5:30.00  | 12:00.00 |

| Age Gr. | 50 breast | 100 breast | 200 breast | 50 fly  | 100 fly | 200 fly  | 200 IM   | 400 IM   |
|---------|-----------|------------|------------|---------|---------|----------|----------|----------|
| 25-29   | 36.36     | 1:21.83    | 3:03.76    | 31.13   | 1:10.43 | 2:54.25  | 2:43.36  | 6:11.99  |
| 30-34   | 37.36     | 1:24.29    | 3:07.34    | 31.88   | 1:12.29 | 2:56.09  | 2:48.28  | 6:17.05  |
| 35-39   | 38.36     | 1:28.24    | 3:14.17    | 32.63   | 1:14.14 | 2:58.00  | 2:53.26  | 6:22.16  |
| 40-44   | 39.77     | 1:30.51    | 3:22.20    | 34.40   | 1:18.71 | 3:06.76  | 3:03.78  | 6:50.10  |
| 45-49   | 41.88     | 1:33.94    | 3:29.05    | 35.58   | 1:22.47 | 3:16.37  | 3:17.25  | 7:14.00  |
| 50-54   | 44.64     | 1:37.26    | 3:37.55    | 37.41   | 1:25.40 | 3:32.32  | 3:20.81  | 7:32.50  |
| 55-59   | 46.59     | 1:46.68    | 3:58.96    | 38.59   | 1:34.41 | 3:56.28  | 3:33.11  | 7:54.08  |
| 60-64   | 48.96     | 1:49.36    | 4:04.19    | 42.00   | 1:44.45 | 4:12.58  | 3:46.81  | 8:41.64  |
| 65-69   | 51.32     | 1:57.86    | 4:27.34    | 45.49   | 1:56.51 | 4:46.24  | 4:10.00  | 9:31.76  |
| 70-74   | 56.13     | 2:11.09    | 4:56.02    | 51.60   | 2:05.70 | 5:16.35  | 4:35.85  | 11:00.00 |
| 75-79   | 1:02.53   | 2:28.91    | 5:32.43    | 1:02.23 | 2:47.70 | 6:10.00  | 5:19.80  | 13:00.00 |
| 80-84   | 1:12.96   | 2:52.77    | 7:04.72    | 1:27.68 | 3:30.00 | 7:15.00  | 6:12.07  | 14:00.00 |
| 85-89   | 1:41.62   | 4:00.00    | 8:40.00    | 2:05.00 | 4:30.00 | 9:15.00  | 7:45.00  | 15:00.00 |
| 90-94   | 2:09.00   | 5:00.00    | 10:30.00   | 2:45.00 | 5:30.00 | 11:15.00 | 9:30.00  | 18:00.00 |
| 95      | 2:45.00   | 6:00.00    | 13:10.00   | 3:45.00 | 7:00.00 | 14:00.00 | 11:45.00 | 21:00.00 |

### WOMEN

| Age Gr. | 50 free | 100 free | 200 free | 400 free | 800 free | 50 back | 100 back | 200 back |
|---------|---------|----------|----------|----------|----------|---------|----------|----------|
| 25-29   | 33.84   | 1:14.57  | 2:43.90  | 5:48.35  | 12:30.00 | 39.86   | 1:27.29  | 3:11.84  |
| 30-34   | 34.75   | 1:16.52  | 2:48.60  | 5:58.25  | 12:45.00 | 40.73   | 1:28.90  | 3:15.82  |
| 35-39   | 36.17   | 1:19.59  | 2:57.00  | 6:15.68  | 13:00.00 | 43.06   | 1:35.50  | 3:28.47  |
| 40-44   | 37.58   | 1:22.66  | 3:05.40  | 6:33.11  | 13:50.82 | 45.38   | 1:41.21  | 3:41.11  |
| 45-49   | 39.32   | 1:28.87  | 3:19.22  | 7:08.01  | 14:58.83 | 48.09   | 1:47.35  | 3:51.26  |
| 50-54   | 41.51   | 1:35.09  | 3:33.54  | 7:42.91  | 16:06.84 | 50.79   | 1:53.48  | 4:07.95  |
| 55-59   | 44.39   | 1:40.94  | 3:43.34  | 8:07.01  | 16:51.84 | 53.64   | 2:00.70  | 4:23.30  |
| 60-64   | 46.29   | 1:46.03  | 3:59.51  | 8:31.12  | 18:21.03 | 56.10   | 2:10.00  | 4:31.95  |
| 65-69   | 50.32   | 1:56.95  | 4:23.46  | 9:21.84  | 19:50.21 | 1:01.19 | 2:20.80  | 5:06.75  |
| 70-74   | 54.97   | 2:02.20  | 4:33.36  | 10:05.25 | 21:33.89 | 1:06.03 | 2:29.33  | 5:23.17  |
| 75-79   | 59.62   | 2:20.69  | 5:11.47  | 11:11.29 | 24:58.32 | 1:13.09 | 2:44.72  | 6:15.00  |
| 80-84   | 1:09.98 | 2:46.66  | 6:34.19  | 14:09.89 | 27:00.00 | 1:27.52 | 3:20.49  | 7:30.00  |
| 85-89   | 1:30.00 | 3:15.00  | 7:00.00  | 15:00.00 | 30:00.00 | 2:19.00 | 4:00.00  | 9:00.00  |
| 90-94   | 1:50.00 | 3:55.00  | 8:50.00  | 17:00.00 | 36:00.00 | 2:50.00 | 5:00.00  | 10:15.00 |
| 95      | 2:15.00 | 4:30.00  | 9:50.00  | 19:00.00 | 41:00.00 | 3:50.00 | 7:00.00  | 13:00.00 |

| Age Gr. | 50 breast | 100 breast | 200 breast | 50 fly  | 100 fly  | 200 fly  | 200 IM   | 400 IM   |
|---------|-----------|------------|------------|---------|----------|----------|----------|----------|
| 25-29   | 43.36     | 1:37.63    | 3:34.48    | 36.96   | 1:22.88  | 3:11.47  | 3:07.38  | 6:43.08  |
| 30-34   | 45.07     | 1:39.16    | 3:37.61    | 37.63   | 1:25.32  | 3:20.33  | 3:12.04  | 7:00.89  |
| 35-39   | 46.83     | 1:41.62    | 3:48.53    | 39.27   | 1:30.11  | 3:31.91  | 3:26.07  | 7:26.20  |
| 40-44   | 48.78     | 1:47.70    | 3:57.40    | 41.95   | 1:34.90  | 3:43.49  | 3:33.02  | 7:51.50  |
| 45-49   | 50.72     | 1:52.99    | 4:08.66    | 44.30   | 1:43.78  | 4:03.65  | 3:41.29  | 8:13.36  |
| 50-54   | 53.60     | 1:59.25    | 4:18.61    | 46.60   | 1:56.60  | 4:35.26  | 4:05.58  | 9:17.16  |
| 55-59   | 56.29     | 2:07.09    | 4:37.50    | 50.18   | 2:05.29  | 4:48.56  | 4:16.16  | 9:55.20  |
| 60-64   | 58.78     | 2:16.44    | 4:49.59    | 55.78   | 2:19.19  | 5:20.80  | 4:31.69  | 10:04.51 |
| 65-69   | 1:05.81   | 2:28.78    | 5:19.96    | 1:01.87 | 2:38.67  | 5:50.62  | 5:08.09  | 11:30.24 |
| 70-74   | 1:10.37   | 2:41.11    | 5:55.88    | 1:13.93 | 3:09.12  | 7:00.00  | 5:32.11  | 13:40.29 |
| 75-79   | 1:22.89   | 3:11.09    | 7:13.33    | 1:29.08 | 4:00.46  | 9:00.00  | 6:49.75  | 16:50.00 |
| 80-84   | 1:41.53   | 4:11.34    | 9:10.37    | 2:30.00 | 4:54.71  | 12:00.00 | 8:00.00  | 18:00.00 |
| 85-89   | 2:15.00   | 5:10.00    | 10:30.00   | 3:30.00 | 6:00.00  | 14:00.00 | 10:00.00 | 20:00.00 |
| 90-94   | 3:00.00   | 6:15.00    | 13:00.00   | 4:45.00 | 9:15.00  | 18:00.00 | 12:00.00 | 24:00.00 |
| 95      | 4:00.00   | 9:00.00    | 19:00.00   | 6:00.00 | 12:00.00 | 24:00.00 | 14:00.00 | 28:00.00 |

## FINA WORLD MASTERS FORUM

The 2nd FINA World Masters Forum will be organised on 28 July 2000 in Munich, Germany with the occasion of the 8th FINA World Masters Championships 2000.

All FINA Member Federations are hereby invited to attend the 2nd FINA World Masters Forum to be held at the Olympic Pool – Press Centre starting at 13:00 hours.

### PROGRAMME:

1. Welcome and opening words by the FINA President or his designate.
2. Roll-Call of the Registered FINA Member Federations and their representatives (maximum 2 per Federation)
3. Introduction of Dignitaries, including Members of the FINA Bureau and the Masters Committee.
4. Explanation of the purpose of the Forum and procedures to be followed in the conduct of it.
5. Agenda:
  - i. Future World Masters Championships – all disciplines
  - ii. Venues

## NEWS OF MEETS

### 7TH PAN PACIFIC MASTERS SWIMMING CHAMPIONSHIPS

These championships were held at Challenge Stadium in Perth, Western Australia from October 15-23. There were 720 swimmers representing 210 teams from 14 countries. The largest contingent was from Australia with 353 swimmers, Japan had 264 and New Zealand brought 30 swimmers. The hospitality in Perth was fabulous and the meet was very well run. Ivan Wingate and June Krauser - both members of the FINA Masters Committee attended and participated in the meet. President's of National Masters Committees present and participating were Mary Sweeney, AUSSI Masters Swimming, Nancy Ridout, USMS and Rob Hanou, Netherlands Masters Swimming. Seven world records were set in the first six days of competition by Terry Downes, 60, of South Africa, Yoshiko Osaki, 61, of Japan and Barry Young, 61, from New Zealand. Many friendships were formed and good times were had by all. An Official daily newsletter was put out each day called PAC CHAT.

### LEN CHAMPIONSHIPS

Innsbruck experienced the biggest event in LEN Masters history! More than 10,000 splashes with 3200 swimmers from 795 clubs representing 31 countries, plus 162 divers from 19 coun-

tries participated in this event. The organizers had some problems with the start of the 50m events and the evaluation of the 400 and 800m freestyles swum with two swimmers in the same lane, but most of the competition was handled smoothly and without unnecessary delays. Swimmers and divers created a wonderful atmosphere of friendly contest and understanding between East and West, North and South. Masters from all over Europe enjoyed the lovely venue of Tivoli Pool with its view of the Alps and the old town of Innsbruck with its museums and folklore. Masters from Germany were the most numerous group and also most successful. They took home 164 gold medals, followed by the teams from Great Britain (40 gold), Sweden (30 gold) and Hungary (21 gold). Frank Stochl representing LEN filled out a total of 14 world record applications while Sergei Fesenko recorded 60 new European Masters records. Even with the moderate qualifying times for all events, there were still 10,000 starts. Discussion about further limiting participation in major events is still going on in Europe.

### PALMA EXPECTS MASTERS

The LEN-Bureau approved the Royal Spanish Swimming Federation and the City of Palma de Mallorca to host the VIII European Masters Championships in Swimming and Diving in the year 2001. It will be for the first time, that the Masters will meet in Spain for their Championships.

### LATYCAR '99

The 5th Latin American and Caribbean Masters Swimming Championships saw a total of 1086 Masters from 19 countries assemble at the International Swimming Hall of Fame Aquatic Complex in Fort Lauderdale, Florida. The idea behind 'LATYCAR', was to motivate the development of Masters swimming through a regional event. Open to Masters swimmers from any Latino-Caribeño country, this championship is held every other year. Previous LATYCAR championships were held in Venezuela ('91), Puerto Rico ('93), Barbados ('95), and Mexico ('97). Each successive championship has seen an increase in the number of participating countries. For the first time, the Internet played a prominent role in a LatyCar championship, providing service in all three LatyCar languages (Spanish, English, and Portuguese). Over 380 registrations were received via secure, web-based registration forms complementing conventional registration procedures. Entry confirmation and problem solving as well as the distribution of results took place exclusively via the LatyCar website. An incredible 301 LatyCar records (plus world and many national records) were set over the five days of competition! Rounding out the personal achievements and record setting, were fun-filled intervals of great music, food, dance, sight-seeing, sunbathing, and friendship in this sub-tropical swimmers' mecca. The organizing committee send

sincere thanks to the officials and all the other volunteers who helped make this event a great success. The LATYCAR website <<http://www.latycar.org>> has photos and results from LatyCar '99, as well as the most current LatyCar '01 information.

### US SYNCHRO CHAMPIONSHIPS

The 1999 USA Masters Synchronized Swimming Championships took place from October 21-23 at Miami University in Oxford, Ohio. There were 212 swimmers entered with 56 Solos; 57 Duets; 29 Trios; and 25 Teams. The Unsynchronables from Southern California won the Overall with 165 points; the Dayton Synchronettes were second with 151 points; and the Michigan Synchro Masters were third with 84 points. In the year 2000 the National Masters Championships will be held in Washington, DC with the first

time option of doing Figures or the Technical Routine.

### SPLENDID SWIMMING

There were 259 entries (129 women and 130 men) for the 26th National Masters Long Course Championships held at the Waitakere City Aquatic Centre, 26-28 March. These swimmers came from 41 different Masters clubs from throughout New Zealand. It was pleasing to see 7 clubs from the South Island. The standard of swimming this year was exceptionally high and a tribute to the overall dedication and fitness of Masters swimmers. There were no fewer than 67 National LC records and there were 4 World Records broken. The Waitakere City Masters are to be congratulated on what was a truly magnificent championships. Roll on the 2000 Millennium Nationals in Invercargill.

### MASTERS MOVEMENT AND DEVELOPMENT

#### EUROPE

The LEN Masters Committee mailed questionnaires to the 50 LEN member federations and received answers from 75% (37). In eight of the 37 federations there is no Masters movement at the present time, but one of them had an interest. The other 29 of the 37 federations are all organizing national annual Masters Championships in swimming, five in diving, seven in water polo, one in synchronized swimming and 14 in open water swimming. Altogether there were more than 21,000 competitors per year in all national Masters championships. Roundabout 20,440 are in swimming, 340 in diving, 540 players in water polo, 20 in synchronized swimming and 475 in open water swimming. In 23 federations there is a contact person for the Masters or there is a Masters Committee established. Only a few Masters get financial support in six federations.

#### SOUTH AFRICA

South African Masters Swimming reports that in 1998 a South African Masters Diving committee held a meeting and elected a Chairman and a Secretary/Treasurer. Some 37 past divers have been contacted and encouraged to join Masters Diving and take their gear out of mothballs. The Masters Diving Nationals were held in April together with Senior Nationals. The Northern Tigers Diving and Masters held a diving show at the De Jong Pool in Pretoria. As Margaret Linley was not available for the "fire dive", Ron Fyfe stepped into her place - not having performed this dive for 30 years. Ron also showed off his "Count of Monte Christo" escape act which proved popular with everyone except his wife. SAMS has new family - a fledgling Masters group of synchro swimmers has joined us and how welcome they are! Synchro is not for the faint hearted. "It requires great strength, flexibility and excellent breath control"

says Elaine Buck. There were 9 competitors at the first Synchro Masters meet and the word is spreading among retired exponents of this exacting and very graceful sport.

### SOUTH EASTERN EUROPE

South Eastern Europe is described as propitious for the sport of swimming: soft climate, long coast line from the mild seas (the Adriatic, the Ionian, the Aegean, the Black), many rivers, lakes and artificial water tanks. Two competitors from the region have reached the highest goal in swimming - Olympic Gold. In order to collect information about Masters Swimming we used LEN's questionnaire. Albania, no data. Bosnia-Herzegovina, no data. Bulgaria - The first Bulgarian Masters Swimming National Championships were held in 1978. Every year they have a National Championship with only Bulgarian participants. 50 in 1978 and 122 in 1992. Masters Swimming is administered by two independent organizations: Bulgarian Swimming Federation and Bulgarian Veterans Federation and they do not have a Masters Committee. There are about 250 active Masters Swimmers in Bulgaria. The Bulgarian oldies are predominantly former competitive swimmers, but there are also beginners. There was no data for Croatia, Greece, Macedonia, Romania, Slovenia, Turkey or Yugoslavia. Unfortunately, for the ten countries from the region we have data only for Bulgaria, but the absence of information is also information. For all that the longest way begins with the first step.

### PEOPLE

#### LIFETIME ACHIEVEMENT AWARD

USA Water Polo, Inc., in an effort to recognize pioneers in the

### LIVE FROM EAST LONDON

The 1999 South African Masters Nationals were held in East London. There were 64 SA records, 2 inaugural SA records, 9 relay SA records, 3 All Comers SA records and 3 SA records bettered by swimmers placing second or third. East London will still probably be remembered as the experimental Nationals. There was controversy surrounding the seeding of races by time rather than by time within age; the new FINA Masters no false start rule; the mandatory use of a color coded cap either worn on one's head or placed on the starting block and the changed order of events. Something which was extremely popular was that National Colors were awarded to any swimmer achieving a time within the latest FINA Top Ten listing. Many swimmers were motivated by this change and a total of 22 women and 18 men received this award.

sport of water polo, recently announced a new "Lifetime Achievement Award" to recognize two pioneers of women's sport. Viola Hartman Cady Kran, 98, received one of the two awards. Cady Kran was a member of both the 1924 and 1925 Los Angeles Athletic Club National Championship Women's Water Polo Teams. Remarkably fit, Kran had the more than 400 water polo enthusiast spellbound as she spoke about the early days of women's sports. Kran was also a national champion in swimming and diving and is TODAY the reigning world diving champion in her Masters age group!

### MASTERS SWIMMERS OF THE YEAR

- USA's SWIM magazine named their Top Masters Swimmers of the year for 1998. Bill Specht "Working out is definitely a compulsive thing. I'll do almost anything to get a workout in". Karlyn Pipes-Neilsen "Swimming basically saved my life and put me back on track." Richard Abrahams "I consider myself a student of the sport. I read, observe and adapt." Aldo Da Rosa "For older people, the stretching component is really important. Wally Dicks "Three years ago, my life needed a new direction, and I got back in the water." Jeff Farrell "I'm not motivated to swim by myself. I need a coach and a team atmosphere." Ron Johnson "I'm enjoying coaching Masters more than any other coaching I've ever done." Tracie Moll "You have to figure out what your goals are and make them your priority." Ardeth Mueller "Don't let preconceived ideas about your age limit what you can do." Tod Spieker "Masters swimming has been a great insurance policy for many people, including me." Lavelle Stoinoff "I've benefited from a variety of great coaching." Laura Val "I can't wait to get back in the water."

### FINA MASTERS OFFICIALS LIST N° 4

Effective from 1/1/2000 to 31/12/2003

|     |                       |                                |
|-----|-----------------------|--------------------------------|
| AUS | Alan DAVIS            | Swimming & Open Water Swimming |
| AUS | Ivan WINGATE          | Swimming & Open Water Swimming |
| AUS | Ken LIDDY             | Swimming & Open Water Swimming |
| AUS | John Robert BIRD      | Water Polo                     |
| AUS | Leslie John KAY       | Water Polo                     |
| ARM | Igor SAFARYAN         | Swimming                       |
| CAN | Paul JENKINS          | Swimming                       |
| CAN | Lochlan Bryden LISTER | Swimming                       |
| CAN | Scott MILLOY          | Swimming                       |
| CHN | Wengjing LI           | Swimming                       |
| CHN | Shupei LU             | Swimming                       |
| CHN | Huanrong YE           | Swimming                       |
| CHN | Ruikang CHEN          | Water Polo                     |
| CHN | Xinfa HE              | Water Polo                     |
| CHN | Lianhua YE            | Swimming                       |
| CRC | William CHAVES        | Swimming                       |
| ESP | Maria RIBA            | Swimming                       |
| ESP | Joaquin MEL           | Swimming                       |

|     |                           |                                |
|-----|---------------------------|--------------------------------|
| ESP | Eduardo RAMIREZ           | Swimming                       |
| ESP | Rosario LOPEZ             | Swimming                       |
| GBR | David CARTER              | Swimming                       |
| GBR | Gwyneth LARSEN            | Swimming                       |
| GBR | Moira FOSTER              | Swimming                       |
| GBR | Alan Stuart WALKER        | Swimming                       |
| GBR | Jane Christine WHITE      | Synchronized Swimming          |
| GBR | Bohumila (Mila) ROBERTSON | Synchronized Swimming          |
| GBR | Brian LITTLEJOHN          | Water Polo                     |
| GBR | Andy ALLEN                | Water Polo                     |
| GER | Kania EUGEN               | Swimming                       |
| GER | Silke HOLHSTEIN-TERWESTEN | Synchronized Swimming          |
| GER | Doris MULLER              | Synchronized Swimming          |
| GER | Hans Dieter POPHAL        | Diving                         |
| GER | Angiola NEUMERKEL         | Diving                         |
| HKG | Agnes KY TSANG            | Swimming                       |
| ISR | Michael CAHANA            | Swimming                       |
| ISR | Fred COHEN                | Swimming                       |
| ITA | Rita BARTOZZI             | Swimming                       |
| KOR | Jong-Soo KIM              | Swimming                       |
| KOR | Hyun-Chul YOUNG           | Swimming                       |
| KOR | Young-Tae LIM             | Swimming                       |
| KOR | Sung-Ho KIM               | Swimming                       |
| KOR | Sung-Won CHO              | Diving                         |
| KOR | Sang-Gin CHUNG            | Diving                         |
| KOR | Hyung-Cheon LEE           | Water Polo                     |
| KOR | Kang-Jin CHOI             | Water Polo                     |
| KOR | Jung-Bok KANG             | Synchronized Swimming          |
| KOR | Ji-Eun JUNG               | Synchronized Swimming          |
| NZL | Thomas Lyall MORTIMER     | Swimming & Open Water Swimming |
| PUR | William G. CODY           | Swimming                       |
| QAT | Mohammad A. AL-SHEEB      | Swimming                       |
| QAT | Mohammad Eissa AL-FADALA  | Swimming                       |
| QAT | Talal Eissa AL-ANSARI     | Swimming                       |
| QAT | Talal MOUBARAK            | Swimming                       |
| SUI | Christine SCHREIBER       | Water Polo                     |
| SWE | Lars EDSTEDT              | Swimming & Open Water Swimming |
| UKR | Serguei FESENKO           | Swimming                       |
| USA | John DEININGER            | Diving                         |

## NOTICES

### OTHERS MASTERS PUBLICATIONS

- GUIDE FOR THE CONDUCT OF MASTERS SWIMMING EVENTS

US Dollars 10.-

- MASTERS SWIMMING WORLD TOP TEN TABULATION 1998 - Yearly publication - To know the best in each category

US Dollars 10.-

- THE FINA HANDBOOK (in English) or LE MANUEL DE LA FINA (en Français) The 1998-2000 edition contains all rules about Masters and the addresses and codes of all national organisations recognised by FINA.

US Dollars 15.-

### FINA MASTERS PATCHES

The following patches are available from the FINA Office for those that qualify.

- FINA Masters Swimming Record
- FINA Masters Swimming Top ten

Cost is \$5.00 (US) for each patch.

A date patch (1998) for use in conjunction with the Top Ten is also available at \$3.00 (US).

### NEXT FINA MASTERS NEWS

Number 17 will be published in June 2000



Copies of the Newsletter are distributed to all FINA Member Federations. For those persons interested in receiving the Newsletter regularly, this service is available at no charge. Requests for copies should be forwarded to the FINA Office at the following address :

#### FINA

Avenue de Beaumont 9  
1012 Lausanne - Switzerland  
Tel : (41-21) 310 4710  
Fax : (41-21) 312 6610

### FINA MASTERS NEWS

The FINA Masters News has been published since 1993 twice yearly. Material for publication should be sent to the Editor by 15th March for the June Edition and by 15th October for the December Edition. General news items of international interest and listings for the calendar (restricted to National or International events which are open to all Masters) should be addressed to the Editor at the following address:

#### June Krauser

FINA Masters News  
2308 NE 19th Avenue,  
Ft.Lauderdale,  
Florida 33305, USA  
Fax: (1-954) 564-8854  
E.mail: Junekrauser@mindspring.com

## Recognized World Records

A total of 229 performances have been approved for breaking the existing World Masters Records by the FINA Honorary Secretary in the six months period since the last Newsletter. FINA extends warmest congratulations to these swimmers.

Individuals are listed in order of age group and then alphabetically by name, in order of events and then the date.

Relay teams are in order of relay age group and then in order of relay event and then alphabetically.

### LONG COURSE - WOMEN

|                      |         |           |
|----------------------|---------|-----------|
| Manuela Naeckel      | GER     | 25-29 yrs |
| 100 m Breaststroke   | 1:13.15 | 25 Jun 99 |
| Wenke Hansen         | USA     | 30-34 yrs |
| 50 m Breaststroke    | 33.84   | 23 Aug 99 |
| 200 m Breaststroke   | 2:41.51 | 23 Aug 99 |
| Caroline Krattli     | USA     | 35-39 yrs |
| 100 m Breaststroke   | 1:17.11 | 23 Aug 99 |
| 200 m Breaststroke   | 2:47.55 | 23 Aug 99 |
| Tracie Moll          | USA     | 35-39 yrs |
| 50 m Freestyle       | 26.66   | 23 Aug 99 |
| 50 m Butterfly       | 28.32   | 23 Aug 99 |
| 100 m Butterfly      | 1:03.79 | 23 Aug 99 |
| Karlyn Pipes-Neilsen | USA     | 35-39 yrs |
| 50 m Backstroke      | 31.43   | 22 May 99 |
| Zena Courtney        | USA     | 40-44 yrs |
| 200 m Backstroke     | 2:34.18 | 01 Aug 99 |
| Suzanne Heim-Bowen   | USA     | 40-44 yrs |
| 200 m Freestyle      | 2:14.14 | 23 Aug 99 |
| 400 m Freestyle      | 4:39.82 | 23 Aug 99 |
| 800 m Freestyle      | 9:32.18 | 23 Aug 99 |
| 200 m Butterfly      | 2:32.14 | 23 Aug 99 |
| Dagmar Hilbig        | GER     | 40-44 yrs |
| 50 m Breaststroke    | 35.05   | 28 Aug 99 |

|                         |          |           |                         |             |           |
|-------------------------|----------|-----------|-------------------------|-------------|-----------|
| 100 m Breaststroke      | 1:17.21  | 26 Aug 99 | 100 m Butterfly         | 1:59.96     | 11 Jul 99 |
| 200 m Breaststroke      | 2:49.95  | 25 Aug 99 | 200 m Butterfly         | 1:56.92     | 23 Aug 99 |
| Barbara Dunbar          | USA      | 50-54 yrs | 200 m Individual Medley | 4:19.81     | 23 Aug 99 |
| 200 m Freestyle         | 2:28.11  | 08 Aug 99 | 400 m Individual Medley | 4:08.03     | 23 Aug 99 |
| 400 m Freestyle         | 5:11.22  | 08 Aug 99 | Agnes Plisson           | 8:59.25     | 23 Aug 99 |
| 1500 m Freestyle        | 20:22.69 | 18 Jul 99 | 200 m Individual Medley | FRA         | 75-79 yrs |
| 200 m Butterfly         | 2:44.93  | 08 Aug 99 | Doris Steadman          | 4:11.91     | 22 May 99 |
| 400 m Individual Medley | 6:03.12  | 08 Aug 99 | 50 m Backstroke         | USA         | 75-79 yrs |
| Christiane Heeren       | GER      | 50-54 yrs | 100 m Backstroke        | 44.43       | 23 Aug 99 |
| 200 m Breaststroke      | 3:08.74  | 10 Jul 99 | 200 m Backstroke        | 1:39.06     | 23 Aug 99 |
| Kathryn Langthorne      | AUS      | 50-54 yrs | Stoko Suzuki            | JPN         | 75-79 yrs |
| 1500 m Freestyle        | 20:32.63 | 21 Aug 99 | 50 m Breaststroke       | 50.65       | 20 Jul 99 |
| Bonnie Pronk            | CAN      | 55-59 yrs | 100 m Breaststroke      | 1:52.54     | 20 Jul 99 |
| 100 m Breaststroke      | 1:29.11  | 23 Aug 99 | Michiko Hamuro          | JPN         | 80-84 yrs |
| Joy Ward                | USA      | 55-59 yrs | 200 m Breaststroke      | 4:59.02     | 20 Jul 99 |
| 50 m Butterfly          | 34.43    | 01 Aug 99 | Rita Simonton           | USA         | 80-84 yrs |
| Judy Wilson             | GBR      | 55-59 yrs | 400 m Freestyle         | 7:55.35     | 18 Jul 99 |
| 50 m Butterfly          | 33.39    | 27 Aug 99 | 1500 m Freestyle        | 7:53.37     | 08 Aug 99 |
| 100 m Butterfly         | 1:19.24  | 05 Jun 99 | Jean Durston            | USA         | 85-89 yrs |
| Joann Leilich           | USA      | 60-64 yrs | 800 m Freestyle         | 19:12.10    | 12 Jun 99 |
| 100 m Breaststroke      | 1:32.37  | 01 Aug 99 | 1500 m Freestyle        | 36:42.65    | 23 Aug 99 |
| 200 m Breaststroke      | 3:23.62  | 25 Jul 99 | 50 m Butterfly          | 1:11.58     | 25 Jul 99 |
| Yoshiko Osaki           | JPN      | 60-64 yrs | 100 m Butterfly         | 2:40.11     | 23 Aug 99 |
| 50 m Freestyle          | 32.97    | 20 Jul 99 | 200 m Butterfly         | 5:50.33     | 25 Jul 99 |
| 200 m Freestyle         | 2:40.63  | 20 Jul 99 | 200 m Individual Medley | 5:49.75     | 23 Aug 99 |
| Margaret Wilding        | GBR      | 60-64 yrs | 50 m Backstroke         | 5:22.43     | 12 Jun 99 |
| 50 m Backstroke         | 37.39    | 18 Apr 99 | 100 m Backstroke        | 5:16.68     | 25 Jul 99 |
| 100 m Backstroke        | 1:24.24  | 17 Apr 99 | 200 m Backstroke        | 5:20.81     | 23 Aug 99 |
| Flora Connolly          | GBR      | 65-69 yrs | 400 m Individual Medley | 11:12.16    | 12 Jun 99 |
| 100 m Breaststroke      | 1:39.37  | 25 Apr 99 | 1500 m Freestyle        | 11:10.37    | 25 Jul 99 |
| Edith Boehm             | GER      | 70-74 yrs | 50 m Butterfly          | 11:11.16    | 23 Aug 99 |
| 50 m Breaststroke       | 44.30    | 28 Aug 99 | 200 m Breaststroke      | Julia Dolce | 90-94 yrs |
| 100 m Breaststroke      | 1:43.86  | 22 May 99 | 5:19.36                 | 23 Aug 99   |           |
| Gail Roper              | USA      | 70-74 yrs | 400 m Freestyle         | 11:44.11    | 23 Aug 99 |
| 50 m Freestyle          | 35.86    | 25 Jul 99 | 1500 m Freestyle        | 50:26.55    | 23 Aug 99 |
| 200 m Freestyle         | 35.28    | 23 Aug 99 | Margarete Gottschalk    | GER         | 90-94 yrs |
| 200 m Freestyle         | 1:20.69  | 08 Aug 99 | 50 m Breaststroke       | 1:26.57     | 28 Aug 99 |
| 200 m Freestyle         | 1:19.94  | 23 Aug 99 | 100 m Breaststroke      | 3:21.95     | 25 Jun 99 |
| 200 m Freestyle         | 3:03.18  | 08 Aug 99 |                         |             |           |
| 200 m Freestyle         | 3:01.28  | 23 Aug 99 |                         |             |           |
| 200 m Breaststroke      | 3:53.55  | 08 Aug 99 |                         |             |           |
| 50 m Butterfly          | 41.49    | 25 Jul 99 |                         |             |           |
| 200 m Breaststroke      | 42.55    | 01 Aug 99 |                         |             |           |
| 200 m Individual Medley | 3:32.94  | 08 Aug 99 |                         |             |           |
| Lois Kivil Nochman      | USA      | 75-79     |                         |             |           |
| 50 m Butterfly          | 51.13    | 11 Jul 99 |                         |             |           |
|                         | 48.19    | 18 Jul 99 |                         |             |           |
|                         | 47.86    | 23 Aug 99 |                         |             |           |

### LONG COURSE MEN

|                    |         |           |
|--------------------|---------|-----------|
| Nick Gillingham    | GBR     | 30-34 yrs |
| 100 m Breaststroke | 1:05.02 | 26 Aug 99 |
| 200 m Breaststroke | 2:23.26 | 05 Jun 99 |
|                    | 2:20.43 | 25 Aug 99 |
| J Clay Britt       | USA     | 35-39 yrs |
| 50 m Backstroke    | 27.76   | 25 Jul 99 |
|                    | 27.60   | 01 Aug 99 |
| 100 m Backstroke   | 1:00.13 | 01 Aug 99 |

|                         |          |           |
|-------------------------|----------|-----------|
| Thomas Redig            | USA      | 35-39 yrs |
| 50 m Butterfly          | 25.89    | 23 Aug 99 |
| Joseph Rhyne            | USA      | 40-44 yrs |
| 200 m Freestyle         | 2:01.07  | 23 Aug 99 |
| 400 m Freestyle         | 4:15.86  | 23 Aug 99 |
| 800 m Freestyle         | 8:48.69  | 23 Aug 99 |
| Peter Rocca             | USA      | 40-44 yrs |
| 50 m Backstroke         | 26.69    | 23 Aug 99 |
| Scott Shafe             | USA      | 40-44 yrs |
| 200 m Backstroke        | 2:16.09  | 23 Aug 99 |
| William Specht          | USA      | 40-44 yrs |
| 50 m Backstroke         | 28.88    | 23 Aug 99 |
| 200 m Backstroke        | 2:15.49  | 23 Aug 99 |
| 100 m Butterfly         | 57.79    | 23 Aug 99 |
| Jack Groselle           | USA      | 45-49 yrs |
| 50 m Freestyle          | 24.94    | 23 Aug 99 |
|                         | 25.07    | 23 Aug 99 |
| 100 m Freestyle         | 53.90    | 23 Aug 99 |
| 200 m Freestyle         | 2:01.54  | 23 Aug 99 |
| 100 m Breaststroke      | 1:12.29  | 23 Aug 99 |
| Jim McConica            | USA      | 45-49 yrs |
| 400 m Freestyle         | 4:21.16  | 23 Aug 99 |
| 800 m Freestyle         | 8:58.84  | 23 Aug 99 |
| Casey Claffin           | USA      | 45-49 yrs |
| 50 m Backstroke         | 30.07    | 23 Aug 99 |
| Tom Wolf                | USA      | 45-49 yrs |
| 50 m Backstroke         | 30.16    | 23 Aug 99 |
|                         | 29.85    | 23 Aug 99 |
| 100 m Backstroke        | 1:03.72  | 23 Aug 99 |
| 200 m Backstroke        | 2:21.66  | 23 Aug 99 |
| Richard Burns           | USA      | 55-59 yrs |
| 100 m Backstroke        | 1:10.53  | 23 Aug 99 |
| 200 m Backstroke        | 2:37.14  | 23 Aug 99 |
| Robert Polleitman       | USA      | 55-59 yrs |
| 100 m Butterfly         | 1:06.71  | 07 Aug 99 |
| Bernd Schroder          | GER      | 55-59 yrs |
| 100 m Butterfly         | 1:06.31  | 27 Jun 99 |
| Drury Gallagher         | USA      | 60-64 yrs |
| 400 m Freestyle         | 5:04.45  | 23 Aug 99 |
| 800 m Freestyle         | 10:29.40 | 23 Aug 99 |
| 100 M Breaststroke      | 1:19.82  | 23 Aug 99 |
| 200 m Butterfly         | 2:53.53  | 25 Jul 99 |
| 200 m Individual Medley | 2:41.71  | 25 Jul 99 |
|                         | 2:41.73  | 23 Aug 99 |
| 400 m Individual Medley | 6:02.79  | 23 Aug 99 |
| Ronald Johnson          | MEX      | 65-69 yrs |
| 100 m Butterfly         | 1:15.69  | 07 Sep 99 |
| Yoshi Oyakawa           | USA      | 65-69 yrs |
| 50 m Backstroke         | 33.54    | 23 Aug 99 |
| 100 m Backstroke        | 1:16.78  | 23 Aug 99 |
| Robert Pfersdorff       | GER      | 75-79 yrs |
| 100 m Breaststroke      | 1:35.70  | 25 Jun 99 |
| 100 m Butterfly         | 1:37.03  | 27 Jun 99 |
| Andrew Holden           | USA      | 80-84 yrs |
| 50 m Butterfly          | 41.89    | 11 Jul 99 |
| 100 m Butterfly         | 1:47.88  | 12 Jun 99 |
| Ray Taft                | USA      | 80-84 yrs |
| 1500 m Freestyle        | 26:52.93 | 25 Jul 99 |
| 100 m Backstroke        | 1:35.36  | 23 Aug 99 |
| 200 m Backstroke        | 3:31.36  | 23 Aug 99 |
| 200 m Breaststroke      | 3:42.04  | 12 Jun 99 |
| 400 m Individual Medley | 8:05.14  | 23 Aug 99 |
| Woodrow Bowersock       | USA      | 85-89 yrs |
| 100 m Freestyle         | 1:32.81  | 08 Aug 99 |
| Tokushi Komeda          | JPN      | 85-89 yrs |
| 200 m Freestyle         | 3:34.20  | 20 Jul 99 |
| 400 m Freestyle         | 7:44.04  | 20 Jul 99 |
| Walter Pfeiffer         | USA      | 85-89 yrs |
| 100 m Butterfly         | 2:10.28  | 08 Aug 99 |
| 200 m Butterfly         | 5:06.00  | 08 Aug 99 |
| 400 m Individual Medley | 9:42.77  | 08 Aug 99 |
| Hiroshi Salgo           | JPN      | 85-89 yrs |
| 200 m Freestyle         | 3:40.38  | 20 Jul 99 |
| Carl Alfred Scherer     | GER      | 85-89 yrs |
| 100 m Backstroke        | 1:51.83  | 26 Jun 99 |
| Hans Paul               | GER      | 90-94 yrs |
| 50 m Breaststroke       | 1:08.90  | 05 Jun 99 |
| Nori Yamamoto           | JPN      | 90-94 yrs |
| 50 m Backstroke         | 1:02.91  | 20 Jul 99 |
| Gus Langner             | USA      | 95-99 yrs |
| 1500 m Freestyle        | 47:30.40 | 23 Aug 99 |

## LONG COURSE - RELAYS

|                        |                      |           |
|------------------------|----------------------|-----------|
| San Diego Swim Masters | USA                  | 1:57.34   |
| Women 200 m Free       | 160-199 yrs          | 18 Jul 99 |
| Beth Knight            | Caroline Krattli     |           |
| Barbara Dunbar         | Karlyn Pipes-Neilsen |           |
| Illinois Masters       | USA                  | 2:08.35   |
| Women 200 m Free       | 200-239 yrs          | 23 Aug 99 |
| Cynthia Stoenesifer    | Catherine Quill      |           |
| Irene David            | Cynthia Jones        |           |

|                        |                      |           |
|------------------------|----------------------|-----------|
| San Diego Swim Masters | USA                  | 2:12.15   |
| Women 200 m Medley     | 160-199 yrs          | 18 Jul 99 |
| Caroline Krattli       | Karlyn Pipes-Neilsen |           |
| Barbara Dunbar         | Beth Knight          |           |
| Oregon                 | USA                  | 2:35.01   |
| Men 200 m Free         | 320-359 yrs          | 11 Jul 99 |
| Earl Walter            | Allan Delay          |           |
| Gerald Huestis         | Andrew Holden        |           |
| Juei Club              | JPN                  | 2:34.38   |
| Men 200 m Free         | 320-359 yrs          | 20 Jul 99 |
| Katsuzo Shirayama      | Isamu Tamura         |           |
| Setsuo Fukuhara        | Kisaburo Wada        |           |
| Badger Dolphin Masters | USA                  | 1:50.88   |
| Men 200 m Medley       | 160-199 yrs          | 23 Aug 99 |
| Curt Lacount           | David Holland        |           |
| Thomas Redig           | James Sorensen       |           |
| Minnesota Masters      | USA                  | 1:53.31   |
| Men 200 m Medley       | 160-199 yrs          | 23 Aug 99 |
| Peter Rocca            | Chris Weissman       |           |
| Nate Leigh             | Jeffrey Lukens       |           |
| Budapest Senior        | HUN                  | 2:14.31   |
| Men 200 m Medley       | 240-279 yrs          | 28 Aug 99 |
| Jozsef Csikany         | Bela Fabian          |           |
| Laszlo Csaba           | Ferenc Latin         |           |
| Oregon                 | USA                  | 3:05.43   |
| Men 200 m Medley       | 320-359 yrs          | 11 Jul 99 |
| Gerald Huestis         | Allan Delay          |           |
| Ibaraki Swimming Club  | JPN                  | 3:48.56   |
| Mixed 200 m Medley     | 320-359 yrs          | 20 Jul 99 |
| Ryuji Fujikawa         | Hiroto Tsuchiya      |           |
| Yoshinori Kawabata     | Ritsuko Hayashida    |           |
| Nishinomiya Sumirekai  | JPN                  | 3:31.54   |
| Mixed 200 m Medley     | 320-359 yrs          | 20 Jul 99 |
| Hideko Hanada          | Hiromu Yoshimoto     |           |
| Takeshi Yasukawa       | Hatsuho Sugaya       |           |

## SHORT COURSE - WOMEN

|                           |          |           |
|---------------------------|----------|-----------|
| Karlyn Pipes-Neilsen      | USA      | 35-39 yrs |
| 1500 m Freestyle          | 17:36.24 | 03 Oct 99 |
| Guyaline Berger-Talochino | FRA      | 40-44 yrs |
| 100 m Freestyle           | 1:00.47  | 05 Apr 99 |
| Dagmar Hilbig             | GER      | 40-44 yrs |
| 200 m Breaststroke        | 2:47.54  | 09 May 99 |
| Robynn Masters            | USA      | 40-44 yrs |
| 400 m Individual Medley   | 5:22.59  | 20 Jun 99 |
| Barbara Dunbar            | USA      | 50-54 yrs |
| 1500 m Freestyle          | 19:59.03 | 03 Oct 99 |
| 200 m Butterfly           | 2:44.84  | 03 Oct 99 |
| Dianne Foster             | CAN      | 50-54 yrs |
| 200 m Freestyle           | 2:24.43  | 25 Apr 99 |
| 400 m Freestyle           | 5:02.03  | 25 Apr 99 |
| 800 m Freestyle           | 10:23.48 | 24 Apr 99 |
| Christiane Heeren         | GER      | 50-54 yrs |
| 200 m Breaststroke        | 3:00.98  | 24 Apr 99 |
| Jen Thomasson             | AUS      | 55-59 yrs |
| 100 m Freestyle           | 1:09.77  | 28 Aug 99 |
| Judy Wilson               | GBR      | 55-59 yrs |
| 100 m Freestyle           | 1:11.10  | 09 May 99 |
| 100 m Butterfly           | 1:18.39  | 24 Jul 99 |
| Yoshiko Osaki             | JPN      | 60-64 yrs |
| 200 m Freestyle           | 2:38.32  | 23 May 99 |
| 400 m Freestyle           | 5:35.85  | 29 Apr 99 |
| 50 m Butterfly            | 36.04    | 20 Jun 99 |
| 100 m Butterfly           | 1:23.78  | 09 May 99 |
| Jane Asher                | GBR      | 65-69 yrs |
| 800 m Freestyle           | 12:26.85 | 24 Jul 99 |
| Flora Connolly            | GBR      | 65-69 yrs |
| 200 m Individual Medley   | 3:18.43  | 05 May 99 |
| 400 m Individual Medley   | 7:01.64  | 24 Jul 99 |
| Judy Oliver               | CAN      | 65-69 yrs |
| 400 m Individual Medley   | 7:01.55  | 17 May 99 |
| Gail Roper                | USA      | 70-74 yrs |
| 50 m Butterfly            | 40.66    | 17 May 99 |
| 100 m Individual Medley   | 1:33.43  | 17 May 99 |
| Doris McEwan              | CAN      | 75-79 yrs |
| 50 m Backstroke           | 47.69    | 17 May 99 |
| 100 m Individual Medley   | 1:47.56  | 17 May 99 |
| Lols Kivi Nochman         | USA      | 75-79 yrs |
| 200 m Butterfly           | 4:08.39  | 17 May 99 |
| 200 m Individual Medley   | 4:08.84  | 17 May 99 |
| Satoko Suzuki             | JPN      | 75-79 yrs |
| 100 m Breaststroke        | 1:54.33  | 30 May 99 |
| Margarete Gottschalk      | GER      | 90-94 yrs |
| 50 m Freestyle            | 1:13.90  | 08 May 99 |
| 50 m Backstroke           | 1:15.02  | 08 May 99 |
| 50 m Breaststroke         | 1:25.24  | 08 May 99 |

## SHORT COURSE - MEN

|                         |             |           |
|-------------------------|-------------|-----------|
| Jerome Frentzos         | USA         | 30-34 yrs |
| 400 m Individual Medley | 4:32.23     | 20 Jun 99 |
| John Keppler            | USA         | 30-34 yrs |
| 100 m Backstroke        | 56.25       | 20 Jun 99 |
| 200 m Backstroke        | 2:02.91     | 20 Jun 99 |
| Gerhard Ammer           | GER         | 40-44 yrs |
| 50 m Breaststroke       | 29.50       | 02 Oct 99 |
| Brent Banes             | JPN         | 40-44 yrs |
| 50 m Freestyle          | 24.09       | 29 Apr 99 |
| John March              | CAN         | 45-49 yrs |
| 50 m Backstroke         | 29.30       | 17 May 99 |
| 100 m Backstroke        | 1:03.81     | 17 May 99 |
| Tom Reedy               | USA         | 45-49 yrs |
| 100 m Individual Medley | 1:02.99     | 20 Jun 99 |
| 200 m Individual Medley | 2:16.97     | 20 Jun 99 |
| 400 m Individual Medley | 4:57.34     | 20 Jun 99 |
| Bruce Robinson          | CAN         | 45-49 yrs |
| 100 m Individual Medley | 1:04.14     | 17 May 99 |
| R Tod Spieker           | USA         | 50-54 yrs |
| 1500 m Freestyle        | 17:36.51    | 16 Oct 99 |
| Drury Gallagher         | USA         | 60-64 yrs |
| 100 m Butterfly         | 1:13.79     | 01 Nov 98 |
| 200 m Butterfly         | 2:49.56     | 01 Nov 98 |
| 200 m Individual Medley | 2:40.14     | 01 Nov 98 |
| Jack Kelso              | CAN         | 60-64 yr  |
| 100 m Breaststroke      | 1:17.85     | 17 May 99 |
| 100 m Individual Medley | 1:09.93     | 17 May 99 |
| 200 m Individual Medley | 2:43.43     | 25 Apr 99 |
|                         | 2:35.04     | 17 May 99 |
| 400 m Individual Medley | 5:49.45     | 17 May 99 |
| Luis Ricardo Simi       | BRA         | 60-64 yrs |
| 100 m Butterfly         | 1:13.34     | 27 Jun 99 |
| Akihiko Yabe            | JPN         | 60-64 yrs |
| 50 m Backstroke         | 33.62       | 23 May 99 |
| Werner Muller           | GER         | 65-69 yrs |
| 200 m Butterfly         | 3:06.32     | 24 Apr 99 |
| Keijiro Nakamura        | JPN         | 75-79 yrs |
| 200 m Backstroke        | 3:09.22     | 30 May 99 |
| Robert Pfersdorff       | GER         | 75-79 yrs |
| 200 m Breaststroke      | 3:24.84     | 24 Apr 99 |
| 50 m Butterfly          | 37.18       | 15 May 99 |
| 200 m Butterfly         | 3:26.72     | 24 Apr 99 |
| Ray Taft                | USA         | 80-84 yrs |
| 1500 m Freestyle        | 25:55.88    | 16 Oct 99 |
| Tokushi Komeda          | JPN         | 85-89 yrs |
| 200 m Freestyle         | 3:29.47     | 23 May 99 |
| 400 m Freestyle         | 7:27.29     | 29 Apr 99 |
| Carl Alfred Scerer      | GER         | 85-89 yrs |
| 200 m Backstroke        | 4:05.25     | 24 Apr 99 |
| Nori Yamamoto           | JPN         | 90-94 yrs |
| 50 m Backstroke         | 1:01.56     | 29 Apr 99 |
| 100 m Backstroke        | 2:29.06     | 06 May 99 |
| St Masters Kansai       | JPN         | 2:23.93   |
| Women 200 m Free        | 240-279 yrs | 29 Apr 99 |
| Kazuko Kajiwara         |             |           |
| Fusako Hirooka          |             |           |
| DC Masters              | USA         | 2:43.47   |
| Women 200 m Medley      | 240-279 yrs | 27 Mar 99 |
| Barbara Frid            |             |           |
| Betty Brey              |             |           |
| St Masters Kansai       | JPN         | 2:41.75   |
| Women 200 m Medley      | 240-279 yrs | 09 May 99 |
| Emiko Tsujimoto         |             |           |
| Yoshiko Osaki           |             |           |
| Lahden Kaleva           | FIN         | 1:37.44   |
| Men 200 m Free          | 120-159 yrs | 27 Mar 99 |
| Janne Virtanen          |             |           |
| Janni Virtanen          |             |           |
| San Diego Swim Masters  | USA         | 1:56.66   |
| Men 200 m Free          | 240-279 yrs | 13 Jun 99 |
| Mike Freshley           |             |           |
| Bill Earley             |             |           |
| Juel Club               | JPN         | 2:42.65   |
| Men 200 m Free          | 320-359 yrs | 14 Mar 99 |
| Saburo Nezu             |             |           |
| Setsuo Fukuhara         |             |           |
| Juei Club               | JPN         | 2:34.39   |
| Men 200 m Free          | 320-359 yrs | 29 Apr 99 |
| Katsuzo Shirayama       |             |           |
| Setsuo Fukuhara         |             |           |
| Swim 100 Nokai Kyoto    | JPN         | 2:33.07   |
| Mixed 200 m Free        | 280-319 yrs | 09 May 99 |
| Makoto Nishiura         |             |           |
| Kazuko Taguchi          |             |           |

**FINA Masters World Records - WOMEN'S LONG COURSE - Dated 1st November 1999**

|             | 25-29 years  | 30-34 years                                  | 35-39 years                     | 40-44 years                      | 45-49 years                     | 50-54 years                    | 55-59 years                    | 60-64 years                      | 65-69 years                       | 70-74 years                      | 75-79 years                      | 80-84 years                    | 85-89 years                     | 90-94 years                     | 95-99 years                   | 100-104 years |
|-------------|--|--|---------------------------------|----------------------------------|---------------------------------|--------------------------------|--------------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------|--------------------------------|---------------------------------|---------------------------------|-------------------------------|---------------|
| FREE        |  |  |                                 |                                  |                                 |                                |                                |                                  |                                   |                                  |                                  |                                |                                 |                                 |                               |               |
| 50 metres   | Alison Steppard GBR 98 26.20                           | S. Neilson-Bell USA 98 26.36                 | Tracie Moll USA 99 27.39        | S. Neilson-Bell USA 96 28.30     | Jackie Hirsty USA 98 29.33      | Ardeth Mueller USA 93 30.33    | Yoshitaka Osaki JPN 99 32.97   | Gail Roper USA 96 34.17          | J. Drake-Brockman AUS 96 35.25    | Gail Roper USA 99 41.31          | Hatsuho Sugaya JPN 94 41.31      | Ume Wada JPN 96 49.84          | Aileen Soule USA 96 55.76       | Mary M. Anderson CAN 98 55.57   | Mary M. Anderson CAN 94 51.04 |               |
| 100 metres  | Alison Steppard GBR 98 58.22                           | S. Neilson-Bell USA 98 58.38                 | Tracie Moll USA 98 1:00.68      | Catrol Fellows GBR 96 1:02.42    | Laura Val USA 96 1:11.01        | Yoshitaka Osaki JPN 93 1:14.12 | Jane Asher GBR 96 1:15.29      | Gail Roper USA 99 1:15.94        | J. Drake-Brockman AUS 96 1:30.42  | Ume Wada JPN 91 1:35.30          | Ume Wada JPN 97 2:00.66          | Aileen Soule USA 96 2:19.62    | Mary M. Anderson CAN 98 4:36.70 | Mary M. Anderson CAN 94 5:15.57 |                               |               |
| 200 metres  | Sara Shand USA 89 2:07.11                              | Beth Knight USA 89 2:06.94                   | K. Pipas-Nilsen USA 97 2:14.14  | Laura Val USA 98 2:17.12         | Barbara Dunbar USA 99 2:28.11   | Ardeth Mueller USA 97 2:34.88  | Yoshitaka Osaki JPN 99 2:40.63 | Gail Roper USA 97 2:45.51        | J. Drake-Brockman AUS 96 3:01.907 | Margery Meyer USA 97 3:19.07     | Ume Wada JPN 92 3:44.00          | Ume Wada JPN 96 4:26.82        | Julia Dolce USA 98 5:19.36      | Julia Dolce USA 98 11:44.11     |                               |               |
| 400 metres  | Sara Shand USA 89 4:27.53                              | K. Pipas-Nilsen USA 97 4:26.17               | S. Heim-Bowen USA 97 4:39.82    | Laura Val USA 97 1:00.23         | Barbara Dunbar USA 99 1:11.22   | Ardeth Mueller USA 97 5:25.59  | Yoshitaka Osaki JPN 98 5:46.79 | Clara Walker USA 98 5:54.90      | Jane Asher GBR 96 6:33.15         | Margery Meyer USA 98 7:16.82     | Rita Shimonton USA 99 7:55.37    | Ume Wada JPN 97 9:31.21        | Julia Dolce USA 98 11:44.11     | Julia Dolce USA 98 11:44.11     |                               |               |
| 800 metres  | Eva Mortensen GBR 96 9:17.09                           | Lynn Marshall CAN 92 9:16.82                 | K. Pipas-Nilsen USA 97 9:16.20  | S. Heim-Bowen USA 99 9:32.18     | Laura Val USA 98 10:00.23       | Diane Foster CAN 98 10:36.52   | Barbara Dunbar USA 99 11:15.07 | Lavelle Stoinoff USA 94 12:01.79 | Lavelle Stoinoff USA 98 12:23.32  | June Krauser USA 96 13:15.45     | Margery Meyer USA 97 14:32.25    | Rita Shimonton USA 98 16:05.65 | Filia Simonton USA 98 18:12.10  | Anna Bauscher USA 94 30:55.09   |                               |               |
| 1500 metres | Amy Pope USA 68 17:36.76                               | Karen Burton USA 96 17:38.70                 | Penny Bond AUS 98 17:55.34      | S. Heim-Bowen USA 98 18:14.34    | Laura Val USA 98 19:26.97       | Barbara Dunbar USA 99 20:22.69 | Ardeth Mueller USA 97 21:03.91 | Lavelle Stoinoff USA 95 22:50.61 | Lavelle Stoinoff USA 98 23:42.01  | June Krauser USA 96 25:11.23     | Margery Meyer USA 98 28:3.84     | Rita Shimonton USA 99 30:4.101 | Jean Durston USA 99 36:2.65     | Jean Durston USA 99 50:26.55    |                               |               |
| BACK        |  |  |                                 |                                  |                                 |                                |                                |                                  |                                   |                                  |                                  |                                |                                 |                                 |                               |               |
| 50 metres   | Kapru Qio D. Grana-Gallas K. Pipas-Nilsen USA 96 30.73 | Tracie Moll USA 99 30.94                     | K. Pipas-Nilsen USA 99 31.43    | Laura Val USA 94 32.93           | Laura Val USA 97 32.97          | Satoko Takejii JPN 92 34.37    | Satoko Takejii JPN 98 36.98    | Clara Walker USA 97 37.39        | Doris Steadman AUS 96 38.95       | Margaret Wilding GBR 99 41.43    | Myrtle Wright AUS 99 42.29       | Aileen Soule USA 91 53.73      | Mary M. Anderson CAN 98 58.42   | Mary M. Anderson CAN 94 1:03.49 |                               |               |
| 100 metres  | Alison Steppard GBR 98 1:05.02                         | D. Grana-Gallas USA 96 1:05.42               | K. Pipas-Nilsen USA 98 1:06.29  | Laura Val USA 92 1:11.03         | Laura Val USA 97 1:12.70        | Satoko Takejii JPN 95 1:18.86  | Satoko Takejii JPN 97 1:19.65  | Margaret Wilding GBR 99 1:24.24  | Doris Steadman AUS 96 1:31.58     | Doris Steadman AUS 99 1:35.11    | Edith Thein ISR 98 2:00.39       | Aileen Soule USA 91 2:13.13    | Mary M. Anderson CAN 98 2:23.23 | Mary M. Anderson CAN 94 4:16.79 |                               |               |
| 200 metres  | Diane Gainer USA 69 2:19.97                            | K. Pipas-Nilsen USA 96 2:16.98               | Zena Courtney USA 97 2:34.18    | Cecilia McCloskey USA 95 2:42.60 | Satoko Takejii JPN 92 2:51.11   | Satoko Takejii JPN 97 3:06.23  | Betsy Jordan USA 97 3:06.23    | Lavelle Stoinoff USA 98 3:16.02  | Doris Steadman AUS 95 3:28.69     | Doris Steadman AUS 99 3:35.41    | Edith Thein ISR 98 4:12.86       | Aileen Soule USA 91 4:47.82    | Aileen Soule USA 97 5:29.07     | Aileen Soule USA 97 5:29.07     |                               |               |
| BREAST      |  |  |                                 |                                  |                                 |                                |                                |                                  |                                   |                                  |                                  |                                |                                 |                                 |                               |               |
| 50 metres   | S. Sammato ITA 88 32.01                                | Wentle Hansen L. Watzel-Osborne USA 99 34.41 | Dagnan-Hilbig GER 99 35.05      | Susan Roy USA 94 36.97           | Jan Macleod USA 97 38.04        | Monika Santeban GER 98 39.43   | Jayne Blumer USA 98 41.43      | Edith Boehm GBR 94 43.42         | Satoko Suzuki GBR 99 44.30        | Dorothy Weston GBR 99 50.65      | Marti Gagniat USA 96 59.60       | Marti Gagniat GBR 99 1:08.95   | M. Gottschalk GER 99 1:26.57    | M. Gottschalk GER 94 1:57.79    |                               |               |
| 100 metres  | Manuela Naackel GER 99 1:13.15                         | M. Hohmann GER 88 1:14.32                    | Carolina Krattli USA 99 1:17.11 | Dagnan-Hilbig GER 99 1:17.21     | Susan Roy USA 94 1:22.07        | Bonnie Pronk CAN 98 1:28.05    | Joann Leitch USA 98 1:29.11    | Flora Connolly GBR 99 1:32.37    | Edith Boehm GBR 99 1:35.37        | Satoko Suzuki GBR 99 1:52.54     | Dorothy Weston GBR 99 2:17.08    | Dorothy Weston GBR 99 2:34.97  | M. Gottschalk GER 99 3:21.55    | M. Gottschalk GER 94 4:16.79    |                               |               |
| 200 metres  | Sharon Davies GBR 90 2:42.02                           | Wentle Hansen USA 99 2:41.51                 | Caroline Krattli USA 99 2:47.55 | Dagnan-Hilbig GER 99 2:49.95     | Christine Heesen GER 98 2:57.38 | Hanneke Rose GER 98 3:08.74    | Joann Leitch USA 99 3:14.40    | Flora Connolly GBR 98 3:28.62    | Gail Roper USA 99 3:34.95         | Regan Kanter USA 98 4:18.18      | Nichito Hamuro JPN 99 4:59.92    | Emri Pauli GER 98 5:36.62      | Emri Pauli GER 98 10:39.50      | Del Bradley Aus 95              |                               |               |
| ELY         |  |  |                                 |                                  |                                 |                                |                                |                                  |                                   |                                  |                                  |                                |                                 |                                 |                               |               |
| 50 metres   | Matja Patsinen FIN 97 28.09                            | Tracie Moll USA 97 29.67                     | S. Neilson-Bell USA 96 28.32    | Laura Val USA 94 29.39           | Ardeth Mueller USA 97 30.74     | Judy Wilson GBR 99 31.59       | Yoshitaka Osaki JPN 98 33.39   | Gail Roper USA 96 37.39          | Lois Kiwi Nochman USA 99 41.45    | Maria Lenk BRA 95 47.66          | Jean Durston USA 99 50.85        | Jean Durston USA 99 1:11.56    | Anna Bauscher USA 94 4:57.25    | Anna Bauscher USA 94 4:57.25    |                               |               |
| 100 metres  | Rosemarie Saaman P. Verbauwen BEL 96 1:33.91           | K. Pipas-Nilsen USA 96 1:34.80               | Tracie Moll USA 99 1:33.79      | Laura Val USA 98 1:38.02         | Ardeth Mueller USA 93 1:13.86   | Judy Wilson GBR 99 1:18.11     | Yoshitaka Osaki JPN 98 1:24.65 | Juno Krauser USA 96 1:36.68      | Lois Kiwi Nochman USA 99 1:46.85  | Lois Kiwi Nochman USA 99 1:56.92 | Jean Durston USA 94 2:27.91      | Jean Durston USA 94 2:40.11    | Jean Durston USA 94 2:40.11     | Jean Durston USA 94 2:40.11     |                               |               |
| 200 metres  | S. Palma White AUS 92 2:18.69                          | K. Pipas-Nilsen USA 96 2:20.12               | K. Pipas-Nilsen USA 97 5:07.21  | S. Neilson-Bell USA 96 5:39.70   | Danielle Ogier USA 97 5:45.85   | Brittige Merten GFR 96 2:52.11 | Yoshitaka Osaki JPN 98 2:44.93 | Flora Connolly GBR 98 3:14.39    | Juno Krauser USA 96 3:26.76       | Flora Connolly GBR 98 3:35.04    | Lois Kiwi Nochman USA 99 3:39.31 | M. Lenz-Zigler USA 95 4:19.61  | Jean Durston USA 94 5:24.52     | Jean Durston USA 94 5:24.52     |                               |               |
| MEDLEY      |  |  |                                 |                                  |                                 |                                |                                |                                  |                                   |                                  |                                  |                                |                                 |                                 |                               |               |
| 200 metres  | Sharon Davies GBR 90 5:05.29                           | Katlyn Pipes USA 96 2:22.00                  | K. Pipas-Nilsen USA 96 2:25.31  | S. Neilson-Bell USA 96 2:38.18   | Danielle Ogier USA 97 2:40.28   | Brittige Merten GFR 96 2:52.11 | Yoshitaka Osaki JPN 98 2:55.15 | Jane Asher GBR 96 3:05.96        | Gail Roper USA 99 3:20.26         | Flora Connolly GBR 98 3:32.94    | Lois Kiwi Nochman USA 99 4:08.03 | M. Lenz-Zigler USA 95 4:41.09  | Jean Durston USA 94 5:16.68     | Jean Durston USA 94 5:16.68     |                               |               |
| 400 metres  | Sharon Davies GBR 90 5:05.29                           | Hidetaka Koshimizu JPN 95 5:05.05            | K. Pipas-Nilsen USA 97 5:07.21  | Laura Val USA 93 5:39.70         | Danielle Ogier USA 97 6:03.12   | Barbara Dunbar USA 99 6:18.94  | Yoshitaka Osaki JPN 98 6:50.29 | Flora Connolly GBR 98 7:03.75    | Juno Krauser USA 96 7:30.91       | Lois Kiwi Nochman USA 99 8:53.25 | Maxine Merlino USA 92 10:05.13   | Maxine Merlino USA 92 10:05.13 | Maxine Merlino USA 92 11:10.37  | Maxine Merlino USA 92 11:10.37  |                               |               |

**FINA Masters World Records - MEN'S LONG COURSE - Dated 1st November 1999**

| FREE        | 25-29 years                   | 30-34 years                    | 35-39 years                         | 40-44 years                    | 45-49 years                                      | 50-54 years                     | 55-59 years                     | 60-64 years                     | 65-69 years                      | 70-74 years                      | 75-79 years                    | 80-84 years                    | 85-89 years                    | 90-94 years                    | 95-99 years                 | 100-104 years           |
|-------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|--|---------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-----------------------------|-------------------------|
| 50 metres   | Kevin Deloncrat USA 83 22.59  | Rowdy Gaines USA 90 23.21      | Rowdy Gaines JPN 94 23.20           | Brent Barnes USA 99 24.25      | Jack Gosselle USA 98 24.94                       | Richard Abrahams USA 98 24.60   | Sieve Clark USA 88 26.33        | Jeff Farrell USA 98 26.70       | Ronald Johnson USA 98 28.04      | Kelley Lemmon USA 84 29.35       | Keiji Nakamura JPN 98 32.07    | W. Bowersock USA 93 33.88      | W. Bowersock USA 98 35.77      | Gus Langner USA 93 48.70       | Gus Langner USA 94 55.88    | Tom Lane USA 94 205.49  |
| 100 metres  | Jim Montgomery USA 81 51.26   | Rowdy Gaines USA 91 51.50      | Rowdy Gaines USA 95 51.49           | Jack Gosselle USA 98 52.78     | Richard Abrahams USA 99 53.90                    | Jack Gosselle USA 98 55.98      | Timothy Galton USA 98 58.41     | Jeff Farrell USA 98 1:00.11     | Roberto Abrahams USA 96 1:03.39  | Frank Piemme USA 95 1:10.16      | Ray Tait USA 95 1:13.64        | Hikai Ueki JPN 95 1:19.28      | W. Bowersock USA 93 1:32.61    | Gus Langner USA 93 1:57.91     | Gus Langner USA 98 2:23.32  | Tom Lane USA 95 4:25.98 |
| 200 metres  | John Koppeler USA 92 1:52.17  | Rowdy Gaines USA 90 1:54.04    | Rowdy Gaines JPN 94 1:55.36         | Joseph Rhyme USA 99 201.97     | Fred Schieber USA 98 207.17                      | Kele Lodwig USA 98 215.35       | Jeff Farrell USA 98 220.54      | Roberto Abrahams USA 96 221.74  | William Phillips USA 98 237.00   | William Phillips USA 98 5:46.41  | Ray Tait USA 95 251.62         | Hikai Ueki JPN 95 303.45       | Tokushi Komeda JPN 99 334.20   | Gus Langner USA 98 4:28.54     | Gus Langner USA 98 5:13.23  |                         |
| 400 metres  | Alex Koslitch USA 97 4:03.63  | Rowdy Gaines USA 93 4:07.04    | Rowdy Gaines USA 95 4:07.64         | Joseph Rhyme USA 99 4:15.86    | R. Tod Speiker USA 98 4:21.16                    | R. Tod Speiker USA 98 4:32.61   | Sandy Galliety GBR 98 4:50.41   | Druay Gallagher USA 99 5:04.45  | Graham Johnston USA 96 5:03.36   | Frank Piemme USA 95 5:46.41      | Ray Tait USA 95 6:17.36        | Hikai Ueki JPN 95 6:46.63      | Tokushi Komeda JPN 99 7:44.04  | Alfredo Ciceri AUS 97 9:40.04  | Gus Langner USA 98 11:30.53 |                         |
| 800 metres  | Alex Koslitch USA 97 8:24.67  | Rowdy Gaines USA 93 8:40.19    | Rowdy Gaines USA 95 8:48.69         | Joseph Rhyme USA 99 8:48.69    | R. Tod Speiker USA 98 8:58.84                    | R. Tod Speiker USA 98 9:27.52   | Sandy Galliety GBR 98 10:03.22  | Druay Gallagher USA 99 10:29.40 | Graham Johnston USA 95 10:29.26  | Roger Franks USA 98 12:03.73     | Ray Tait USA 95 12:58.14       | Norbert Atchus CAN 94 13:50.05 | Gus Langner USA 98 17:11.21    | Gus Langner USA 98 20:13.74    | Gus Langner USA 98 22:8.38  |                         |
| 1500 metres | Alex Koslitch USA 97 16:13.89 | Bobby Patten USA 93 16:36.06   | Rowdy Gaines USA 94 16:37.34        | Hess Ynlema USA 95 16:58.52    | Todd Bryan USA 98 17:31.23                       | R. Tod Speiker USA 98 18:04.63  | Sandy Galliety GBR 97 19:09.48  | Graham Johnston USA 95 20:04.73 | Roger Franks USA 98 20:16.54     | Ray Tait USA 95 22:59.14         | Ray Tait USA 95 24:51.78       | Non Yamamoto USA 93 26:52.93   | Gus Langner USA 98 33:08.42    | Gus Langner USA 98 36:47.22    | Gus Langner USA 98 47:30.40 |                         |
| BACK        | Martin Harris GBR 94 26.68    | Sean Murphy USA 94 27.26       | J Clay Britt USA 99 27.60           | Peter Rocca USA 99 28.68       | Tom Wolf USA 99 30.63                            | Hugh Wilder USA 97 31.52        | Robert Smith USA 98 31.52       | Yoshi Okawa USA 94 33.13        | Yoshi Okawa USA 99 33.54         | Paul Hultinger USA 95 37.10      | Keiji Nakamura JPN 98 37.51    | Shoichi Sakamoto JPN 98 40.71  | R. Reinhardt GER 97 47.70      | Non Yamamoto JPN 98 1:02.31    | Gus Langner USA 98 1:56.26  | Tom Lane USA 95 2:05.54 |
| 100 metres  | Jon Winter NZL 97 57.45       | Sean Murphy USA 94 58.66       | J Clay Britt USA 94 1:00.13         | William Specht USA 98 1:02.48  | Tom Wolf USA 99 1:03.72                          | Hugh Wilder USA 97 1:07.16      | Richard Burns USA 98 1:10.53    | Barry Young USA 99 1:14.53      | Yoshi Okawa USA 99 1:16.78       | Paul Hultinger USA 95 1:24.14    | Keiji Nakamura JPN 98 1:26.60  | Ray Tait USA 95 1:35.36        | Car Scherer GER 99 1:51.83     | Jim Pantfield USA 96 2:30.11   | Tom Lane USA 94 4:57.01     |                         |
| 200 metres  | Martin Harris GBR 94 2:05.86  | Sean Murphy USA 94 2:05.52     | Tom Wolf USA 90 2:13.83             | William Specht USA 99 2:15.49  | Tom Wolf USA 99 2:21.66                          | R. Tod Speiker USA 98 2:27.01   | Richard Burns USA 99 2:37.14    | Barry Young NZL 99 2:42.56      | S. Saitkawa JPN 98 2:51.19       | Roger Franks USA 97 3:04.42      | Keiji Nakamura JPN 98 3:10.64  | Ray Tait USA 95 3:31.36        | R. Reinhardt GER 97 4:12.45    | Petri Jurczyk USA 95 5:36.88   |                             |                         |
| FREEEST     | James Parack GBR 96 28.68     | David Gulinthe USA 92 28.42    | Wally Dicks USA 98 28.09            | Glen Christiansen SWI 98 30.56 | C. Miltenberger USA 98 31.54                     | Robert Stand USA 98 32.16       | Hiroshi Kotegawa JPN 93 33.03   | Aiko Sugiyama JPN 95 34.59      | Manuel Sanguly USA 98 36.42      | Tosio Tajima JPN 95 39.15        | Robert Piersdorff GER 95 41.78 | Robert Piersdorff GER 95 43.62 | Karl Wittenberg GER 95 51.52   | Hans Paul GER 99 1:08.90       | Hans Paul GER 98 1:28.61    |                         |
| 50 metres   | James Parack GBR 96 1:04.11   | Nick Gillingham GBR 99 1:05.03 | Wally Dicks USA 96 1:08.37          | John Konheuer USA 99 1:12.29   | Ron Schafer USA 98 1:19.32                       | Robert Stand USA 96 1:19.90     | Druay Gallagher USA 99 1:19.92  | Manuel Sanguly USA 96 1:24.61   | Robert Piersdorff GER 96 1:31.95 | Robert Piersdorff GER 96 1:37.97 | Mitsuo Shimo JPN 97 1:45.24    | Harold Penni USA 96 2:10.64    | Hans Paul GER 96 2:39.02       | Hans Paul GER 98 3:38.45       |                             |                         |
| 100 metres  | Abraham Solano ECU 98 2:24.57 | David Gulinthe USA 95 2:24.37  | David Gulinthe USA 95 2:29.77       | Gerhard Preiner GER 94 2:41.02 | Thomas Walker GBR 96 2:40.57                     | Thomas Walker USA 96 2:50.44    | Thomas Walker GBR 96 2:50.37    | Karl-Hainz Kraps USA 98 3:10.23 | Augusto Ronzano ITA 94 3:26.27   | Augusto Ronzano ITA 94 3:34.86   | Ray Tait USA 95 3:42.04        | Harold Penni USA 96 4:36.66    | Gus Langner USA 98 6:24.54     | Gus Langner USA 98 7:37.17     |                             |                         |
| FLY         | Jon Winter NZL 96 24.88       | Mike Bottom USA 82 25.31       | Thomas Redig USA 98 25.89           | William Specht USA 98 26.33    | Dan Thompson USA 92 27.12                        | Richard Abrahams USA 98 27.13   | Keis Lodwig USA 98 28.22        | Bob Bafile USA 95 30.35         | Frank Piemme USA 96 30.81        | Tosio Tajima USA 94 33.79        | Robert Piersdorff GER 95 41.89 | Andrew Holdien USA 95 57.98    | Jesse Coon USA 95 1:08.90      | Jesse Coon USA 98 1:26.07      |                             |                         |
| 100 metres  | Mike Bottom USA 04 56.34      | Nick Gillingham GBR 99 56.60   | Jeff Stuart USA 96 57.99            | William Specht USA 98 1:02.47  | Boo Grane Galles Richard Abrahams USA 96 1:06.31 | Beind Schroder USA 96 1:06.31   | Bert Petersen USA 96 1:17.92    | Ronald Johnson USA 99 1:18.25   | Joseph Kutzman USA 91 1:55.69    | Robert Piersdorff GER 96 1:24.84 | Andrew Holdien USA 95 1:37.03  | Walter Pleiffer USA 99 1:47.88 | Walter Pleiffer USA 99 2:10.28 | Walter Pleiffer USA 99 5:05.00 |                             |                         |
| 200 metres  | M. Lukasak TCH 94 2:05.25     | Bobby Patten USA 95 2:03.85    | Jeff Stuart USA 96 2:06.74          | William Specht USA 98 2:09.47  | Boo Grane Galles USA 97 2:21.84                  | Boo Grane Galles USA 97 2:26.17 | Bob Bafile USA 98 2:26.17       | Ronald Johnson USA 99 2:50.53   | Joseph Kutzman USA 91 3:05.79    | Valentin Weber USA 92 3:22.01    | Anton Carter USA 98 3:45.56    | Anton Carter USA 98 4:11.99    | Peter Jurczyk USA 95 5:05.14   | Peter Jurczyk USA 95 5:58.87   |                             |                         |
| MEDLEY      | Nicolas Ganger FRA 94 2:07.00 | David Lundberg USA 91 2:09.69  | Dariusz Woyni Murphy USA 94 4:40.22 | Thomas Redig USA 98 2:14.94    | James Sorensen USA 98 2:15.53                    | Tim Broderick USA 96 2:22.06    | Timothy Galton USA 93 2:28.70   | Timothy Galton USA 98 2:32.95   | Roberto Abrahams JPN 95 2:41.71  | Jesus Dominguez ESP 96 3:06.33   | Auto da Rosa USA 98 3:43.92    | Frank Griffiths AUS 93 4:40.15 | Frank Griffiths AUS 95 5:58.87 |                                |                             |                         |
| 400 metres  | Nicolas Ganger FRA 94 4:31.47 | Sean Murphy USA 94 4:46.79     | Dariusz Woyni Murphy USA 94 4:46.79 | Mike Bottom USA 95 4:53.03     | Eddie Riach GBR 98 5:09.11                       | John Calvert USA 96 5:20.78     | William Gonzalez USA 97 5:36.99 | William Gonzalez USA 97 6:02.79 | Roberto Abrahams JPN 95 6:05.15  | Frank Piemme USA 95 6:52.07      | Ray Tait USA 95 7:27.75        | Walter Pleiffer USA 99 8:05.14 | Walter Pleiffer USA 99 9:42.77 |                                |                             |                         |

**FINA Masters World Records - WOMEN'S SHORT COURSE - Dated 1st November 1999**

| FREE        | 25-29 years                        | 30-34 years                        | 35-39 years                         | 40-44 years                        | 45-49 years                       | 50-54 years                         | 55-59 years                        | 60-64 years                        | 65-69 years                        | 70-74 years                        | 75-79 years                        | 80-84 years                        | 85-89 years                        | 90-94 years                        | 95-99 years                      | 100-104 years                     |                               |
|-------------|------------------------------------|------------------------------------|-------------------------------------|------------------------------------|-----------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|----------------------------------|-----------------------------------|-------------------------------|
|             | 50 metres                          | Hagenau-Schubert USA 97<br>26.63   | Anna Peltz-Scott USA 93<br>28.46    | Sandy Neilson-Bell USA 85<br>26.13 | Laura Val USA 96<br>27.74         | Laura Val USA 96<br>28.11           | Carol Fellows GBR 98<br>30.29      | Ardith Mueller USA 96<br>30.37     | Jayne Bruner USA 95<br>33.07       | Gail Roper USA 95<br>34.17         | Claire Walker USA 96<br>36.32      | Oiga Johnson NZL 96<br>39.73       | Hatsuhiko Sugaya JPN 96<br>44.57   | Julia Dolce USA 95<br>51.99        | M Gotschalik GER 99<br>1:13.90   | Margry Anderson CAN 98<br>2:02.29 |                               |
| 100 metres  | Shelia Tairmina USA 95<br>56.30    | Sandy Neilson-Bell USA 84<br>57.35 | Bergen-Tabochino FRA 99<br>1:01.47  | Laura Val USA 96<br>1:01.76        | Ardith Mueller USA 91<br>1:06.41  | Jen Thomasson JPN 98<br>1:09.77     | Yoshiko Osaki JPN 98<br>1:12.22    | Gail Roper USA 96<br>1:16.26       | Claire Walker USA 96<br>1:20.77    | Margry Meyer USA 98<br>1:33.67     | Rita Simonton USA 98<br>1:42.38    | Rita Simonton USA 98<br>1:42.38    | Julia Dolce USA 95<br>2:05.74      | Julia Dolce USA 95<br>2:05.74      | Anna Bauschar USA 93<br>3:24.13  | Margry Anderson CAN 98<br>4:35.98 |                               |
| 200 metres  | Shelia Tairmina USA 96<br>1:59.78  | K. Pipes-Nielsen USA 96<br>2.04.64 | S. Helm-Bowen USA 97<br>2:03.56     | Laura Val USA 96<br>2:16.07        | Dianne Foster CAN 99<br>2:24.43   | Ardith Mueller USA 96<br>2:28.30    | Yoshiko Osaki JPN 99<br>2:38.32    | Jane Asher GBR 97<br>2:50.40       | Jane Asher GBR 97<br>3:02.11       | Margry Meyer USA 97<br>3:27.92     | Rita Simonton USA 98<br>3:37.21    | Rita Simonton USA 98<br>3:37.83    | Maxine Merlino USA 98<br>7:33.69   | Maxine Merlino USA 98<br>9:34.27   | Anna Bauschar USA 93<br>14:16.35 | Anna Bauschar USA 93<br>7:01.11   |                               |
| 400 metres  | Shelia Tairmina USA 96<br>4:24.18  | K. Pipes-Nielsen USA 96<br>4:22.70 | S. Helm-Bowen USA 97<br>4:34.53     | Laura Val USA 96<br>4:49.52        | Dianne Foster CAN 99<br>5:02.03   | Ardith Mueller USA 96<br>5:15.81    | Yoshiko Osaki JPN 99<br>5:35.85    | Jane Asher GBR 96<br>6:03.99       | Jane Krauser USA 96<br>6:28.81     | Margry Meyer USA 98<br>7:01.86     | Rita Simonton USA 98<br>7:33.69    | Rita Simonton USA 98<br>7:33.69    | Maxine Merlino USA 98<br>9:34.27   | Maxine Merlino USA 98<br>9:34.27   | Anna Bauschar USA 93<br>28:45.45 | Anna Bauschar USA 93<br>28:45.45  |                               |
| 800 metres  | Shelia Tairmina USA 96<br>8:51.18  | K. Pipes-Nielsen USA 96<br>9:08.34 | S. Helm-Bowen USA 97<br>9:15.40     | Laura Val USA 96<br>9:29.80        | Dianne Foster CAN 99<br>9:56.23   | Jen Thomasson AUS 98<br>10:23.48    | Laura Val USA 96<br>11:04.01       | Laura Val USA 96<br>11:30.55       | Laura Val USA 96<br>12:26.85       | Jane Asher GBR 96<br>12:26.85      | Jane Asher GBR 96<br>12:26.85      | Jane Asher GBR 96<br>12:26.85      | Maxine Merlino USA 98<br>15:41.58  | Maxine Merlino USA 98<br>15:41.58  | Anna Bauschar USA 93<br>28:45.45 | Anna Bauschar USA 93<br>28:45.45  |                               |
| 1500 metres | Shelia Tairmina USA 96<br>16:36.07 | Karen Burton USA 94<br>17:23.60    | K. Pipes-Nielsen USA 96<br>17:36.24 | Laura Val USA 96<br>18:55.62       | Barbara Dunbar USA 98<br>19:59.33 | Jen Thomasson AUS 98<br>20:49.11    | Barbara Dunbar USA 98<br>21:59.83  | Jen Thomasson AUS 98<br>22:38.44   | Jen Thomasson AUS 98<br>23:38.44   | Jane Asher GBR 96<br>24:57.85      | Jane Asher GBR 96<br>24:57.85      | Jane Asher GBR 96<br>24:57.85      | Maxine Merlino USA 98<br>27:48.75  | Maxine Merlino USA 98<br>27:48.75  | Anna Bauschar USA 93<br>37:28.55 | Anna Bauschar USA 93<br>37:28.55  |                               |
| BACK        | Giselle Pereira BRA 98<br>30.32    | D. Graner-Gallas USA 96<br>30.14   | K. Pipes-Nielsen USA 96<br>30.94    | Laura Val USA 96<br>31.55          | Carol Fellows GBR 97<br>34.97     | S. Nabucho de Abreu BRA 98<br>35.82 | Betsy Jordan USA 97<br>38.74       | Betsy Jordan USA 97<br>40.48       | Betsy Jordan USA 97<br>42.58       | Doris Steadman CAN 99<br>42.58     | Doris Steadman CAN 99<br>42.58     | Doris Steadman CAN 99<br>42.58     | Willy Van Rysel GBR 96<br>55.58    | Willy Van Rysel GBR 96<br>55.58    | M Gotschalik GER 99<br>1:05.17   | M Gotschalik GER 99<br>1:05.17    |                               |
| 100 metres  | Bent Puggaard DEN 97<br>1:04.50    | K. Pipes-Nielsen USA 95<br>1:03.96 | K. Pipes-Nielsen USA 97<br>1:03.56  | Laura Val USA 95<br>1:10.45        | Laura Val USA 95<br>1:19.16       | Sandie O'Neill GBR 97<br>1:19.16    | Sandie O'Neill GBR 97<br>1:24.16   | Sandie O'Neill GBR 97<br>1:30.41   | Sandie O'Neill GBR 97<br>1:35.86   | Doris Steadman USA 99<br>1:35.86   | Doris Steadman USA 99<br>1:35.86   | Doris Steadman USA 99<br>1:35.86   | Edith Thein ISR 98<br>1:46.26      | Edith Thein ISR 98<br>1:46.26      | Vera Fennance AUS 90<br>2:23.91  | Vera Fennance AUS 90<br>2:23.91   |                               |
| 200 metres  | J. De Rover NED 92<br>2:17.88      | K. Pipes-Nielsen USA 96<br>2:16.92 | K. Pipes-Nielsen USA 97<br>2:14.10  | Laura Val USA 95<br>2:34.04        | Nancy Fisher USA 95<br>2:37.95    | Ardith Mueller USA 91<br>2:48.88    | Margaret Wilding GBR 97<br>2:58.47 | Margaret Wilding GBR 97<br>3:16.72 | Margaret Wilding GBR 97<br>3:27.79 | Doris Steadman USA 95<br>3:27.79   | Doris Steadman USA 95<br>3:27.79   | Doris Steadman USA 95<br>3:27.79   | Maxine Merlino USA 98<br>4:03.55   | Maxine Merlino USA 98<br>4:03.55   | Maxine Merlino USA 98<br>5:13.33 | Maxine Merlino USA 98<br>5:13.33  |                               |
| BREAST      | 50 metres                          | Ria Willimse NED 90<br>33.60       | Sukki Brownson GBR 95<br>33.13      | Caroline Kattil USA 96<br>34.59    | Bea Poi NED 94<br>36.13           | Jan Macleod AUS 97<br>37.54         | M. Seiffertken AUS 97<br>38.48     | Jayne Bruner USA 96<br>41.74       | Eliana Pells BEL 96<br>43.27       | Edith Behrm JPN 98<br>45.26        | Satoko Suzuki JPN 98<br>45.57      | Satoko Suzuki JPN 98<br>45.57      | Michiko Hamuro JPN 99<br>1:00.36   | Michiko Hamuro JPN 99<br>1:00.36   | Emmi Pauli GER 99<br>1:09.28     | Emmi Pauli GER 99<br>1:09.28      |                               |
| 100 metres  | Manuela Nachel GER 98<br>1:01.71   | Sukki Brownson USA 95<br>1:11.81   | K. Pipes-Nielsen USA 97<br>1:15.85  | Judy Woodard USA 96<br>1:18.86     | Ulrike Urbanik USA 96<br>1:21.88  | Christiane Herren GER 99<br>1:24.85 | Bonnie Prunk USA 97<br>1:25.97     | Fiona Connolly GBR 94<br>1:32.12   | Fiona Connolly GBR 94<br>1:34.33   | Edith Behrm GBR 96<br>1:42.97      | Satoko Suzuki JPN 98<br>1:54.33    | Satoko Suzuki JPN 98<br>1:54.33    | Dorothy Weston GBR 96<br>2:16.13   | Dorothy Weston GBR 96<br>2:16.13   | Doris Vanning NZL 91<br>4:05.59  | Doris Vanning NZL 91<br>4:05.59   |                               |
| 200 metres  | Helen Goman GBR 98<br>2:37.35      | Sukki Brownson GBR 97<br>2:40.08   | Caroline Kattil USA 98<br>2:43.61   | Dagmar Hilbig GER 98<br>2:47.54    | Ulrike Urbanik GER 99<br>2:54.97  | Christiane Herren GER 99<br>3:00.98 | Bonnie Prunk CAN 97<br>3:08.97     | Joann Lallich USA 95<br>3:18.34    | Flora Connolly GBR 98<br>3:25.67   | Sylvia Neuhauser AUT 98<br>3:45.96 | Agnes Plisson FRA 98<br>4:20.48    | Agnes Plisson FRA 98<br>4:20.48    | Rita Simonton USA 98<br>4:49.62    | Rita Simonton USA 98<br>4:49.62    | Marli Gognat USA 97<br>5:59.36   | Marli Gognat USA 97<br>5:59.36    |                               |
| FLY         | 50 metres                          | Shelia Tairmina USA 95<br>28.68    | D. Graner-Gallas USA 96<br>30.29    | Tracie Moll USA 95<br>30.17        | Laura Val USA 95<br>30.50         | Jenny Whitley AUS 96<br>30.51       | M. Seiffertken AUS 97<br>33.66     | Jayne Bruner USA 95<br>36.04       | Gail Roper USA 95<br>38.44         | Gail Roper USA 95<br>40.66         | Gail Roper USA 95<br>40.66         | Gail Roper USA 95<br>40.66         | Lois Kirl Nohman USA 99<br>47.88   | Lois Kirl Nohman USA 99<br>47.88   | Maria Lenk BRA 95<br>1:02.58     | Maria Lenk BRA 95<br>1:02.58      |                               |
| 100 metres  | Shelia Tairmina USA 96<br>1:01.35  | K. Pipes-Nielsen USA 95<br>1:03.90 | K. Pipes-Nielsen USA 97<br>1:03.29  | Judy Wilson USA 97<br>1:06.86      | Laura Val USA 96<br>1:07.30       | Ardith Mueller USA 91<br>1:12.66    | Judy Wilson USA 97<br>1:18.98      | Yoshiko Osaki JPN 99<br>1:23.76    | Judy Wilson USA 95<br>1:33.10      | Judy Wilson USA 95<br>1:40.20      | Judy Wilson USA 95<br>1:56.42      | Judy Wilson USA 95<br>1:56.42      | Lois Kirl Nohman USA 94<br>2:16.92 | Lois Kirl Nohman USA 94<br>2:16.92 | Jean Durston USA 95<br>2:28.34   | Jean Durston USA 95<br>2:28.34    |                               |
| 200 metres  | S. Palmer-White AUS 91<br>2:17.13  | K. Pipes-Nielsen USA 96<br>2:19.64 | K. Pipes-Nielsen USA 97<br>2:18.41  | Laura Val USA 97<br>2:29.19        | Laura Val USA 97<br>2:33.70       | Barbara Dunbar USA 98<br>2:44.84    | Ardith Mueller USA 95<br>2:55.05   | Flora Connolly GBR 94<br>3:17.00   | Flora Connolly GBR 94<br>3:31.57   | Maxine Merlino USA 92<br>4:08.39   | Maxine Merlino USA 92<br>4:08.39   | Maxine Merlino USA 92<br>5:22.65 | Maxine Merlino USA 92<br>5:22.65  |                               |
| MEDLEY      | 100 metres                         | Wenke Hansen USA 95<br>1:05.67     | K. Pipes-Nielsen USA 95<br>1:05.16  | K. Pipes-Nielsen USA 95<br>1:05.74 | Jenny Whitley AUS 96<br>1:11.43   | Laura Val USA 95<br>1:11.82         | Yoshiko Osaki JPN 99<br>1:21.25    | Gail Roper USA 95<br>1:28.95       | Gail Roper USA 95<br>1:33.43       | Gail Roper USA 95<br>1:47.56       | Doris McEvany CAN 99<br>1:47.56    | Doris McEvany CAN 99<br>1:47.56    | Doris McEvany CAN 99<br>1:47.56    | Jewel Cooke USA 95<br>1:50.91      | Jewel Cooke USA 95<br>1:50.91    | Jewel Cooke USA 95<br>1:50.91     | Jewel Cooke USA 95<br>1:50.91 |
| 200 metres  | Wenke Hansen USA 95<br>2:21.79     | K. Pipes-Nielsen USA 95<br>4:53.85 | K. Pipes-Nielsen USA 97<br>4:53.85  | Robynn Masters USA 95<br>5:22.39   | Laura Val USA 95<br>2:33.89       | Brigitte Merlino GER 97<br>2:48.78  | Yoshiko Osaki JPN 98<br>2:59.95    | Flora Connolly GBR 95<br>3:18.43   | Flora Connolly GBR 95<br>3:31.93   | Flora Connolly GBR 95<br>4:08.64   | Flora Connolly GBR 95<br>4:08.64   | Flora Connolly GBR 95<br>4:08.64   | Maxine Merlino USA 92<br>5:12.13   | Maxine Merlino USA 92<br>5:12.13   | Jewel Cooke USA 95<br>5:56.70    | Jewel Cooke USA 95<br>5:56.70     |                               |
| 400 metres  | Wenke Hansen USA 95<br>5:02.54     | K. Pipes-Nielsen USA 97<br>4:53.85 | K. Pipes-Nielsen USA 97<br>4:53.85  | Danielle Ojler USA 95<br>5:43.24   | Danielle Ojler USA 95<br>5:43.24  | Ardith Mueller USA 91<br>5:56.24    | Yoshiko Osaki JPN 98<br>6:11.73    | Judie Oliver CAN 99<br>6:26.22     | Judie Oliver CAN 99<br>7:01.55     | Lois Kirl Nohman USA 95<br>7:24.32 | Lois Kirl Nohman USA 95<br>7:24.32 | Lois Kirl Nohman USA 95<br>7:24.32 | Maxine Merlino USA 92<br>9:50.43   | Maxine Merlino USA 92<br>9:50.43   | Jewel Cooke USA 95<br>11:02.02   | Jewel Cooke USA 95<br>11:02.02    |                               |

| FINA Masters World Records - MEN'S SHORT COURSE - Dated 1st November 1999 |                                     |                                      |                                       |                                      |                                       |                                       |  |  |  |  |  |                                      |                                     |                                     |                                  |
|---|-------------------------------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|--|--|--|--|--|--------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|
| Event   | 25-29 years                         |                                      | 30-34 years                           |                                      | 35-39 years                           |                                       | 40-44 years  |  | 45-49 years                            |  | 50-54 years                            |                                      | 55-59 years                         |                                     |                                  |
|   | Years                               | Record holder                        | Years                                 | Record holder                        | Years                                 | Record holder                         | Years  | Record holder                          | Years                                  | Record holder                          | Years                                  | Record holder                        | Years                               | Record holder                       |                                  |
| 50 metres   | Robert Pael<br>USA 93<br>22.46      | Bruce Bahti<br>USA 94<br>22.82       | Rowdy Gaines<br>JPN 89<br>24.08       | Brent Barnes<br>USA 94<br>24.70      | Jan Koen Antithoni<br>NED 95<br>25.49 | Roger Hawkins<br>USA 95<br>25.60      | Donald Hill<br>USA 95<br>25.94                                 | Bob Ballie<br>USA 95<br>27.32          | Ron Johnson<br>USA 95<br>28.02         | Takahiro Noma<br>ESP 95<br>30.21       | Koijiro Nakamura<br>JPN 95<br>32.09    | W. Bowersock<br>USA 93<br>35.16      | Gus Langner<br>USA 93<br>50.09      | Tom Lane<br>USA 95<br>57.57         |                                  |
| 100 metres  | Bjorn Ziegensky<br>USA 95<br>49.91  | Rowdy Gaines<br>JPN 89<br>50.51      | Rowdy Gaines<br>JPN 89<br>51.91       | Rick Abbott<br>USA 95<br>52.56       | Terry Bowmes<br>RSA 95<br>54.64       | Keita Lodwig<br>USA 95<br>55.63       | Jack Gaughen<br>USA 97<br>55.49                                | Bob Ballie<br>USA 95<br>101.96         | Roberto Albericio<br>ESP 95<br>132.77  | Frank Piemme<br>USA 95<br>139.00       | Jack Hale<br>GBR 97<br>1:13.35         | Hikoji Ueki<br>JPN 95<br>1:18.60     | Gus Langner<br>USA 93<br>1:38.42    | Tom Lane<br>USA 95<br>4:32.29       |                                  |
| 200 metres  | John Kappeler<br>USA 95<br>1:48.81  | Rowdy Gaines<br>JPN 89<br>1:53.66    | Edwin Van Norden<br>NED 98<br>1:53.66 | Tim Broderick<br>USA 95<br>1:57.88   | Hess Ytzenha<br>USA 95<br>2:01.13     | Tim Broderick<br>USA 95<br>2:13.20    | Jack Gaughen<br>USA 97<br>2:21.31                              | Graham-Johnson<br>USA 95<br>2:27.07    | Graham-Johnson<br>USA 97<br>2:34.64    | William Phillips<br>USA 95<br>2:48.67  | Ray Tait<br>USA 94<br>3:01.42          | Tokushi Komeda<br>JPN 99<br>3:29.70  | Gus Langner<br>USA 93<br>4:27.70    |                                     |                                  |
| 400 metres  | Alex Koslich<br>USA 97<br>8:14.75   | Rowdy Gaines<br>JPN 89<br>8:19.44    | Edwin Van Norden<br>NED 98<br>8:39.15 | Tim Broderick<br>USA 96<br>85.60     | Hess Ytzenha<br>USA 95<br>84.93       | R. Tod Spicker<br>USA 96<br>91.28     | Sandy Gallyell<br>GBR 97<br>94.70                              | Graham-Johnson<br>USA 95<br>102.62     | Frank Piemme<br>USA 95<br>113.84       | Ray Tait<br>USA 97<br>124.40           | Aldo Da Rosa<br>USA 97<br>14:09.37     | Tokushi Komeda<br>JPN 99<br>16:53.90 | Gus Langner<br>USA 98<br>22:05.55   |                                     |                                  |
| 800 metres  | Alex Koslich<br>USA 97<br>8:14.75   | Rowdy Gaines<br>JPN 89<br>8:19.44    | Bruce Hayes<br>USA 94<br>8:19.44      | Bobbi Patten<br>USA 98<br>83.95      | Hess Ytzenha<br>USA 95<br>84.93       | R. Tod Spicker<br>USA 96<br>91.28     | Sandy Gallyell<br>GBR 97<br>94.75                              | Graham-Johnson<br>USA 95<br>103.51     | Frank Piemme<br>USA 95<br>113.84       | Ray Tait<br>USA 97<br>124.40           | Aldo Da Rosa<br>USA 98<br>14:09.37     | Tokushi Komeda<br>JPN 99<br>16:53.90 | Gus Langner<br>USA 98<br>22:05.55   |                                     |                                  |
| 1500 metres   | Alex Koslich<br>USA 97<br>16:41.81  | Rowdy Gaines<br>JPN 89<br>16:21.25   | Bruce Hayes<br>USA 94<br>16:22.20     | Bobbi Patten<br>USA 98<br>16:51.71   | Hess Ytzenha<br>USA 95<br>17:24.70    | R. Tod Spicker<br>USA 96<br>17:36.51  | Sandy Gallyell<br>GBR 98<br>18:51.83                           | Graham-Johnson<br>USA 95<br>19:48.44   | William Phillips<br>USA 98<br>19:53.18 | Ray Tait<br>USA 99<br>22:30.87         | Aldo Da Rosa<br>USA 98<br>24:46.19     | Ray Tait<br>USA 99<br>25:55.88       | Gus Langner<br>USA 98<br>32:20.20   |                                     |                                  |
| BACK  | Martin Harris<br>GBR 94<br>25.43    | Jay Yارد<br>USA 94<br>25.58          | Clay Britt<br>USA 95<br>26.84         | William Specht<br>USA 96<br>27.84    | John March<br>CAN 95<br>29.30         | Hugh Wilder<br>USA 97<br>29.50        | Robert Smith<br>USA 98<br>30.92                                | Akihiko Yabe<br>JPN 99<br>31.44        | Yoshi Okakawa<br>USA 98<br>33.46       | Paul Hultinger<br>USA 94<br>35.71      | Koijiro Nakamura<br>JPN 98<br>37.47    | Shoichi Sakamoto<br>JPN 98<br>42.16  | Nori Yamamoto<br>GER 97<br>47.17    | Gus Langner<br>USA 98<br>1:27.67    |                                  |
| 100 metres  | Martin Harris<br>GBR 94<br>54.82    | John Keppler<br>USA 99<br>56.25      | Clay Britt<br>USA 95<br>58.25         | William Specht<br>USA 96<br>59.26    | John March<br>CAN 95<br>1:03.81       | Hugh Wilder<br>USA 97<br>1:04.17      | Richard Burns<br>USA 98<br>1:08.34                             | Jack Beattie<br>USA 94<br>1:13.55      | Yoshi Okakawa<br>USA 98<br>1:14.65     | Paul Hultinger<br>USA 94<br>1:21.74    | Koijiro Nakamura<br>JPN 98<br>1:24.21  | Aldo Da Rosa<br>USA 98<br>1:36.41    | R. Reinstadler<br>GER 99<br>1:51.19 | Nori Yamamoto<br>JPN 99<br>2:29.06  | Gus Langner<br>USA 98<br>3:38.07 |
| 200 metres  | Martin Harris<br>GBR 94<br>2:01.78  | John Keppler<br>USA 99<br>2:02.81    | Edwin Van Norden<br>NED 99<br>2:09.82 | William Specht<br>USA 96<br>2:09.61  | Eddie Riach<br>GBR 96<br>2:18.88      | R. Tod Spicker<br>USA 98<br>2:21.88   | Richard Burns<br>USA 98<br>2:32.73                             | Jack Beattie<br>USA 94<br>2:40.75      | S. Sakikawa<br>JPN 98<br>2:47.59       | Roger Franks<br>USA 98<br>2:55.73      | Koijiro Nakamura<br>JPN 98<br>3:09.22  | Edward Shea<br>USA 94<br>3:33.91     | Carl Scherer<br>GER 99<br>4:05.25   | Joe Kaufman<br>USA 96<br>5:44.64    | Gus Langner<br>USA 98<br>8:32.34 |
| BREAST  | 50 metres                           | Guy Fairrow<br>AUS 90<br>28.61       | Dean Putteman<br>AUS 90<br>28.61      | Wally Dicks<br>USA 95<br>28.82       | Gerhard Ammer<br>GER 98<br>30.50      | Robert Strand<br>USA 95<br>31.83      | Don McTernan<br>Hiroshi Kotegawa<br>Hiroshi Kotegawa<br>JPN 96 | Toshiro Tairma<br>JPN 96<br>31.24      | Manuel Sanguly<br>USA 98<br>31.71      | Robert Pierendorf<br>GER 98<br>34.41   | Yoshio Matsumoto<br>JPN 97<br>36.60    | Robert Pierendorf<br>GER 98<br>40.22 | Karl Wittenberg<br>GER 95<br>44.56  | Hans Paul<br>GER 98<br>51.17        | Gus Langner<br>USA 98<br>1:31.60 |
| 100 metres  | Hideoaki Togo<br>JPN 97<br>1:03.23  | Frank Vilver<br>NED 94<br>1:04.23    | Wally Dicks<br>USA 95<br>1:03.18      | Ron Schaefer<br>USA 97<br>1:06.50    | Robert Strand<br>USA 95<br>1:09.44    | Manuel Sanguly<br>USA 98<br>1:09.96   | Jack Kelso<br>USA 98<br>1:16.32                                | Nick Templeman<br>CAN 95<br>1:17.85    | Barton Greenberg<br>CAN 95<br>1:21.34  | Robert Pierendorf<br>GER 99<br>1:29.46 | Y. Miyamoto<br>JPN 97<br>1:43.91       | Walter Pleiter<br>USA 98<br>1:43.91  | Jim Penfield<br>USA 98<br>2:45.20   | Gus Langner<br>USA 98<br>3:35.33    |                                  |
| 200 metres  | Abraham Solano<br>USA 95<br>2:00.43 | Rogelio Santos<br>USA 96<br>2:22.97  | Sege Score<br>CAN 96<br>22.64         | Ron Schaefer<br>USA 95<br>22.58      | Robert Strand<br>USA 96<br>2:34.41    | Thomas Walker<br>USA 98<br>2:34.71    | Teza Hayashi<br>JPN 98<br>2:39.21                              | Thomas Walker<br>GBR 95<br>2:57.05     | Nick Templeman<br>CAN 95<br>3:06.13    | Robert Pierendorf<br>GER 95<br>3:16.44 | Aldo Da Rosa<br>USA 97<br>3:24.94      | Walter Pleiter<br>USA 98<br>3:56.61  | Gus Langner<br>USA 98<br>4:32.32    | Gus Langner<br>USA 98<br>7:29.31    |                                  |
| FLY   | 50 metres                           | Jonas Akeson<br>SWE 97<br>25.20      | Michael Bottom<br>USA 99<br>25.06     | William Specht<br>USA 93<br>25.89    | Ramon Gamboa<br>VEN 98<br>25.89       | Dan Thompson<br>USA 93<br>27.08       | Steve Barouski<br>USA 98<br>27.55                              | Joren Cavel<br>ESP 99<br>28.92         | Bob Ballie<br>USA 98<br>30.34          | Ron Johnson<br>USA 98<br>31.65         | Frank Piemme<br>USA 95<br>34.77        | Robert Pierendorf<br>GER 99<br>37.18 | Walter Pleiter<br>USA 98<br>44.75   | Walter Pleiter<br>USA 98<br>52.74   | Gus Langner<br>USA 98<br>1:16.38 |
| 100 metres  | Roberto Nilo<br>BRA 98<br>55.85     | Hiroshi Murata<br>JPN 86<br>54.82    | William Specht<br>USA 93<br>57.08     | William Specht<br>USA 96<br>58.18    | Tom Perrin<br>USA 98<br>1:01.13       | Boo Grana Gallas<br>USA 98<br>1:02.54 | Robert Poljeiman<br>USA 97<br>1:02.54                          | Luis Ricardo Simi<br>BRA 97<br>1:13.34 | Ron Johnson<br>USA 98<br>1:16.70       | Joe Kurzman<br>USA 98<br>1:26.85       | Paul Kup<br>USA 92<br>1:36.80          | Walter Pleiter<br>USA 98<br>1:47.20  | Walter Pleiter<br>USA 98<br>2:04.50 | Gus Langner<br>USA 98<br>3:55.33    |                                  |
| 200 metres  | Gavin Lilley<br>GBR 93<br>2:05.97   | Ian Back<br>GBR 96<br>2:05.73        | William Specht<br>USA 94<br>2:06.48   | Jerome Francois<br>USA 95<br>2:12.64 | William Specht<br>USA 95<br>2:12.97   | Boo Grana Gallas<br>USA 98<br>2:19.73 | Boo Grana Gallas<br>USA 97<br>2:21.58                          | Robert Poljeiman<br>USA 98<br>2:31.16  | Duny Gallagher<br>USA 98<br>2:49.56    | Werner Muller<br>GER 99<br>3:06.32     | Robert Pierendorf<br>GER 99<br>3:18.59 | Anton Cebel<br>USA 97<br>3:26.72     | Walter Pleiter<br>USA 98<br>4:00.64 | Walter Pleiter<br>USA 98<br>4:45.09 |                                  |
| MEDLEY  | 100 metres                          | Martin Harris<br>GBR 94<br>56.90     | Hiroshi Murata<br>JPN 86<br>57.84     | Clay Britt<br>USA 95<br>59.28        | Ric Colley<br>USA 98<br>1:02.30       | Tom Raudy<br>USA 98<br>1:02.98        | Robert Strand<br>USA 97<br>1:04.97                             | Jack Kelso<br>USA 98<br>1:19.43        | Jack Kelso<br>CAN 99<br>1:39.83        | Ron Johnson<br>USA 98<br>1:51.61       | Frank Piemme<br>USA 95<br>1:20.99      | Ray Tait<br>USA 94<br>1:27.43        | Walter Pleiter<br>USA 98<br>1:36.93 | Walter Pleiter<br>USA 98<br>2:51.05 | Gus Langner<br>USA 98<br>3:33.98 |
| 200 metres  | John Kappeler<br>USA 95<br>2:05.93  | Paul Breit<br>GBR 96<br>2:06.59      | Edwin Van Norden<br>NED 99<br>2:08.21 | Jim Sorenson<br>USA 98<br>2:12.25    | Tom Raudy<br>USA 98<br>2:16.37        | Robbie Strand<br>USA 97<br>2:25.01    | Jack Kelso<br>CAN 99<br>2:34.42                                | Robbie Strand<br>CAN 99<br>2:35.04     | Jesus Dominguez<br>ESP 96<br>2:49.10   | Ray Tait<br>USA 94<br>3:20.35          | Alto Da Rosa<br>USA 97<br>3:35.06      | Walter Pleiter<br>USA 98<br>4:21.19  | Gus Langner<br>USA 98<br>5:31.75    |                                     |                                  |
| 400 metres  | John Kappeler<br>USA 95<br>4:26.75  | Jerome Francois<br>USA 95<br>4:32.23 | Robin Brown<br>GBR 97<br>4:40.84      | Gavin Lilley<br>GBR 93<br>4:26.75    | Hess Ytzenha<br>USA 95<br>4:43.26     | Tom Raudy<br>USA 98<br>4:57.34        | Tom Raudy<br>USA 98<br>5:16.85                                 | Sandy Gallyell<br>GBR 97<br>5:20.09    | Jack Kelso<br>CAN 99<br>5:49.45        | Alto Da Rosa<br>USA 98<br>6:04.40      | Ray Tait<br>USA 94<br>7:08.53          | Alto Da Rosa<br>USA 98<br>7:53.88    | Walter Pleiter<br>USA 98<br>9:31.75 |                                     |                                  |

**FINA Masters World Records - Dated 1<sup>st</sup> November 1999**  
**LONG COURSE RELAYS**

|  | 100-119 years  | 120-159 years   | 160-199 years   | 200-239 years   | 240-279 years   | 280-319 years  | 320-359 years   | 360-399 years |
|--|--|---|---|---|---|--|---|---------------|
| <b>Women's Freestyle 4 x 50 Metres</b> | HOLMES USA 88 1:53.20<br>Mary Holmes<br>Beth Mauer<br>Susan Hafacre<br>Tish Bucher       | LONE STAR USA 87 1:53.05<br>Monica Burk<br>L. Morrison-Casey<br>Brigitte Heuer<br>Jacki Hirsty      | SAN DIEGO USA 99 1:57.34<br>Beth Knight<br>Caroline Krattli<br>Barbara Dunbar<br>K Pipes-Neilsen      | ILLINOIS USA 99 2:08.35<br>C Stonesifer<br>Catherine Quill<br>Irene David<br>Cynthia Jones        | DC MASTERS USA 98 2:18.70<br>Barbara Frid<br>Joann Leilich<br>Barbara Zaremski<br>Jayne Bruner  | NEW ENGLAND USA 96 2:38.52<br>Clara Walker<br>Petey Smith<br>Bilie Burill<br>Diane Reed          | WALNUT CREEK USA 98 3:49.73<br>Sally Joy<br>Jae Howell<br>Jean Durston<br>Mary Jane Reeve             |               |
| <b>Women's Medley 4 x 50 Metres</b>    | HOLMES USA 88 2:06.67<br>Beth Mauer<br>Tish Bucher<br>Deb Walker<br>Mary Holmes          | GOLD COAST USA 98 2:04.19<br>Mary Gardner<br>Susie Geyer<br>Tracie Moll<br>Jamie Herrington         | SAN DIEGO USA 99 2:12.15<br>Caroline Krattli<br>K Pipes-Neilsen<br>Barbara Dunbar<br>Beth Knight      | SAN DIEGO USA 98 2:23.07<br>Betsy Jordan<br>Caroline Krattli<br>Barbara Dunbar<br>Jackie Marr     | DC MASTERS USA 98 2:37.68<br>Barbara Frid<br>Joann Leilich<br>Jayne Bruner<br>Barbara Zaremski  | KAWASAKI JPN 98 3:19.17<br>Midori Kinjo<br>Akiko Hattori<br>Kyoko Kozu<br>Mieko Kamoshita        | WALNUT CREEK USA 98 4:19.11<br>Sally Joy<br>JAE HOWELL<br>Jean Durston<br>Mary Jane Reeve             |               |
| <b>Men's Freestyle 4 x 50 Metres</b>   | JVASKYLAN FIN 96 1:36.39<br>Janne Virtanen<br>Ari Jaakkola<br>Tommy Rundgren             | LONE STAR USA 88 1:37.43<br>David Hague<br>Tripp Hedrick<br>James Montgomery<br>Buck Smith          | HOLMES USA 90 1:39.27<br>James Lilley<br>Richard Abrahams<br>Chester Miltenberger<br>Timothy Garlon   | OLYMPIC CLUB USA 97 1:45.19<br>Steve Clark<br>Tim Birnie<br>Robert Strand<br>James Elder          | OLYMPIC CLUB USA 97 1:54.45<br>Richard Bassi<br>Bill Van Horn<br>James Kruger<br>Philip Chapman | SHUEI JPN 92 2:10.18<br>Shuichi Murayama<br>Isamu Tamura<br>Jujo Tsubota<br>Keijiro Nakamura     | JUEI CLUB JPN 99 2:34.38<br>Katsuzo Shirayama<br>Isamu Tamura<br>Setsuo Fukuhara<br>Kisaburo Wada     |               |
| <b>Men's Medley 4 x 50 Metres</b>      | POWERS AUS 90 1:49.84<br>Brad Cooper<br>Anker Brodersen<br>Neil Gynther<br>Angus Waddell | RED FISH SUI 94 1:48.75<br>Patrick Ferland<br>Theophile David<br>Etienne Dagon<br>Stefan Volery     | BADGER/DOLP USA 99 1:50.88<br>Curt Lacount<br>David Holland<br>Thomas Redig<br>James Sorenson         | OLYMPIC CLUB USA 94 1:58.50<br>Tim Birnie<br>Richard Bassi<br>Robert Strand<br>James Elder        | BUDAPEST HUN 99 2:14.31<br>Jozsef Csikany<br>Bela Fabian<br>Laszlo Csaba<br>Ferenc Latin        | MAVERICK USA 97 2:33.50<br>Paul Huttinger<br>Joseph Kurtzman<br>Robert MacDonald<br>Alan Maloney | OREGON USA 99 3:05.43<br>Earl Walter<br>Gerald Huestis<br>Andrew Holden<br>Allan Delay                |               |
| <b>Mixed Freestyle 4 x 50 Metres</b>   | MICHIGAN USA 96* 1:44.84<br>Dyne Burrell<br>Susie Devlin<br>Todd Mercer<br>Michael Green | GOLD COAST USA 98 1:42.65<br>Todd Pace<br>Tracie Moll<br>Jamie Herrington<br>Kurt Wieren            | ROCKY MOUNTAIN USA 98 1:45.83<br>Kathy Garnier<br>Laureen Welting<br>Richard Abrahams<br>James Lilley | LOS ALTOS USA 94 1:55.50<br>Edward Cazalet<br>Arlene Preobsting<br>Laura Val<br>Robert Preobsting | SAN DIEGO USA 97 2:07.26<br>Donald Baker<br>Jackie Marr<br>Jeanne Little<br>Bill Early          | SOKL HELLAS SWE 98 2:27.21<br>Britt Grilli<br>Nils Ferm<br>Peter Bergengren<br>Kerstin Gjores    | DC MASTERS USA 93 3:03.15<br>Nancy Clark<br>Kelley Lemmon<br>Anne Walker<br>David McAfee              |               |
| <b>Mixed Medley 4 x 50 Metres</b>      | HOLMES USA 88 1:56.58<br>Beth Mauer<br>Sam Seiple<br>Bruce Howell<br>Mary Holmes         | GOLD COAST USA 98 1:57.30<br>Craig Crawford<br>Selin Van Neerden<br>Tracie Moll<br>Jamie Herrington | TTEX USA 98 2:01.22<br>Sharon Wencel<br>David Guthrie<br>Bruce Wencel<br>Sandy Neilson-Bell           | TAMALPAIS USA 98 2:08.56<br>Richard Burns<br>Kenneth Frost<br>Laura Val<br>Nancy Ridout           | OLYMPIC CLUB USA 97 2:27.14<br>Margery Meyer<br>Steve Clark<br>Danielle Ogler<br>Philip Chapman | SOKL HELLAS SWE 98 2:53.27<br>Nils Ferm<br>Britt Grilli<br>Peter Bergengren<br>Kerstin Gjores    | NISHINOMIYA JPN 99 3:31.54<br>Hideko Hanada<br>Hiromu Yoshimolo<br>Takeshi Yasukawa<br>Hatsuho Sugaya |               |

**FINA Masters World Records - Dated 1<sup>st</sup> November 1999**  
**SHORT COURSE RELAYS**

|  | 100-119 years   | 120-159 years  | 160-199 years  | 200-239 years   | 240-279 years  | 280-319 years   | 320-359 years  | 360-399 years |
|--|---|--|--|---|--|---|--|---------------|
| <b>Women's Freestyle 4 x 50 Metres</b> | MICHIGAN USA 96 1:45.93<br>Dyne Burrell<br>Mary Muelting<br>Susie Devlin<br>Sheila Taormina         | SAN DIEGO USA 96 1:53.26<br>Kaitlyn Pipes-Neilsen<br>Mathilde Bouwma<br>Beth Knight<br>Nancy North   | SAN DIEGO USA 98 1:54.94<br>Beth Knight<br>Caroline Krattli<br>Barbara Dunbar<br>Kaitlyn Pipes-Neilsen | SG NEUHOLIN GER 98 2:10.33<br>Marga Schulze<br>Monika Senftleben<br>Brigitte Merten<br>Elke Scharp  | ST. KANSAI JPN 99 2:23.92<br>Fusako Hirooka<br>Emiko Tsujimoto<br>Kazuko Kajiwara<br>Yoshiko Osaki | KAWASAKI JPN 98 2:47.76<br>Mieko Kamoshita<br>Akiko Hattori<br>Midori Kinjo<br>Kyoko Kozu           | ST PETE USA 93 4:09.37<br>Marian McKechnie<br>Frances Cicchanski<br>Win Kennedy<br>Kay Schimpf         |               |
| <b>Women's Medley 4 x 50 Metres</b>    | SPENCER GBR 98 2:04.54<br>Helen Jameson<br>Susan Hill<br>Sibhan Hartley<br>Helen Day                | SPENCER GBR 98 2:04.49<br>Helen Jameson<br>Siobhan Hartley<br>Nicola Sommers<br>Susan Hill           | SAN DIEGO USA 98 2:08.46<br>Caroline Krattli<br>Barbara Dunbar<br>Kaitlyn Pipes-Neilsen<br>Beth Knight | HAYWATD HTH GBR 98 2:24.72<br>Margaret Wilding<br>Sally Mills<br>Christine Perfect<br>Eileen Luther | ST. KANSAI JPN 99 2:41.75<br>Emiko Tsujimoto<br>Kazuko Kajiwara<br>Yoshiko Osaki<br>Fusako Hirooka | KAWASAKIITO JPN 98 3:13.50<br>Midori Kinjo<br>Akiko Hattori<br>Koyoko Kozu<br>Mieko Kamoshita       | SAN MATEO USA 96 4:39.75<br>Helen Roumasset<br>Zada Taft<br>Hilda Buel<br>Audrey Etienne               |               |
| <b>Men's Freestyle 4 x 50 Metres</b>   | EL SEGUNDO USA 97 1:35.70<br>Frank Wattles<br>Derek Robinson<br>Marcel Rinzler<br>Bert Bergen       | LAHDNKALEVA FIN 99 1:37.44<br>Janne Virtanen<br>Ari Jaakkola<br>Janni Virtanen<br>Tommy Rundgren     | COLONIALS USA 96 1:40.74<br>Charles Norelli<br>Michael Slenker<br>Thomas Meade<br>Gregory Oxley        | S CAL AQUATICS USA 94 1:47.41<br>Fred Hubbell<br>Frans Nelson<br>Frank Piemme<br>Peter O'Keefe      | SAN DIEGO USA 99 1:56.66<br>Mike Freshley<br>Ken Kimball<br>Bill Earley<br>Michael Ahern           | SHUEI JPN 93 2:11.55<br>Keijiro Nakamura<br>Isamu Tamura<br>Eisaku Hayashi<br>Shuichi Murayama      | JUEI CLUB JPN 99 2:34.39<br>Katsuzo Shirayama<br>Isamu Tamura<br>Setsuo Fukuhara<br>Kisaburo Wada      |               |
| <b>Men's Medley 4 x 50 Metres</b>      | EL SEGUNDO USA 97 1:45.73<br>Derek Robinson<br>Dave Huston<br>Marcel Rinzler<br>Bert Bergen         | BAYLOR LONE STAR USA 94 1:45.01<br>Jay Yarid<br>Bobby Patten<br>Greg Rhodenbaugh<br>Mook Rhodenbaugh | MINNESOTA USA 98 1:52.42<br>Scott Tripps<br>J. Kochendorfer<br>Ray Ellis<br>Nate Leigh                 | GOLD COAST USA 98 1:59.34<br>John Spire<br>George Schmidt<br>Joel Burns<br>Cav Cavanaugh            | FLUMINENSE BRA 98 2:11.79<br>Luis Silva<br>Rinaldo Ferreira<br>Antonio de Souza<br>Aram Boghossian | FL MAVERICK USA 97 2:31.20<br>Paul Huttinger<br>Robert Macdonald<br>Joseph Kurtzman<br>Alan Maloney | YOKO SS JPN 98 3:20.27<br>Kisaburo Wada<br>Saburo Watanabe<br>Y. Miyamoto<br>Yajiro Fukuda             |               |
| <b>Mixed Freestyle 4 x 50 Metres</b>   | EL SEGUNDO USA 97 1:41.62<br>Bert Bergen<br>Diane Graner Gallas<br>Marcel Rinzler<br>Heidi Hanneman | ST PETE USA 96 1:45.78<br>Lisa Summers<br>McKeithen-Bussey<br>William Specht<br>Stuart Barton        | SAN DIEGO USA 96 1:47.38<br>Beth Knight<br>Larry Cartwright<br>Kaitlyn Pipes-Neilsen<br>Lee Mench      | TAMALPAIS USA 98 1:55.91<br>Richard Burns<br>Ed Cazalet<br>Laura Val<br>Nancy Ridout                | SAN DIEGO USA 98 2:06.22<br>Mike Freshley<br>Betsy Jordan<br>Jackie Marr<br>Donald Baker           | S100NOKAI JPN 99 2:33.07<br>Makoto Nishiura<br>Chie Tani<br>Kazuko Taguchi<br>Akira Ito             | IBARAKI JPN 99 3:20.78<br>Kenzo Uemura<br>Hiroko Tsuchiya<br>Ritsuko Hayashida<br>Ryuji Fujikawa       |               |
| <b>Mixed Medley 4 x 50 Metres</b>      | EL SEGUNDO USA 97 1:52.80<br>Diane Graner Gallas<br>Dave Huston<br>Derek Robinson<br>Heidi Hanneman | LAKESIDE USA 89 1:58.28<br>William Tingley<br>Michael Higgs<br>Gina Gatti<br>Melinda Schmitt         | WEST HOLLYWOOD USA 94 2:01.59<br>Andrea Devuono<br>Michael Mealfife<br>Karen Melick<br>Thomas Reudy    | ST. KANSAI JPN 98 2:09.37<br>Yoshiko Osaki<br>Yoshitomo Osaki<br>Koji Nakano<br>Yoshiko Osaki       | SAN DIEGO USA 98 2:25.26<br>Betsy Jordan<br>Mike Freshley<br>Jackie Marr<br>Donald Baker           | 100 NOKAI JPN 98 2:52.77<br>Kazuko Taguchi<br>Makoto Nishiura<br>Akira Ito<br>Chie Tani             | IBARAKI JPN 99 3:45.23<br>Ryuji Fujikawa<br>Hiroko Tsuchiya<br>Yoshinori Kawabata<br>Ritsuko Hayashida |               |

**Summary FINA Masters World Records** - Dated 1<sup>st</sup> November 1999

LONG COURSE

SHORT COURSE

| RELAYS            | LONG COURSE |         |         |         |         |         |         |         | SHORT COURSE |         |         |         |         |         |         |         |
|-------------------|-------------|---------|---------|---------|---------|---------|---------|---------|--------------|---------|---------|---------|---------|---------|---------|---------|
|                   | 100-119     | 120-159 | 160-199 | 200-239 | 240-279 | 280-319 | 320-359 | 360-399 | 100-119      | 120-159 | 160-199 | 200-239 | 240-279 | 280-319 | 320-359 | 360-399 |
| Women's Freestyle | 1:53.20     | 1:53.05 | 1:57.34 | 2:08.35 | 2:18.70 | 2:38.52 | 3:49.73 |         | 1:45.93      | 1:53.26 | 1:54.94 | 2:10.33 | 2:23.92 | 2:47.76 | 4:09.37 |         |
| Women's Medley    | 2:06.67     | 2:04.19 | 2:12.15 | 2:23.07 | 2:37.68 | 3:19.17 | 4:19.11 |         | 2:04.54      | 2:04.49 | 2:08.46 | 2:24.72 | 2:41.75 | 3:13.50 | 4:39.75 |         |
| Men's Freestyle   | 1:36.39     | 1:37.43 | 1:39.27 | 1:45.19 | 1:54.45 | 2:10.18 | 2:34.38 |         | 1:35.70      | 1:37.44 | 1:40.74 | 1:47.41 | 1:56.66 | 2:11.55 | 2:34.39 |         |
| Men's Medley      | 1:49.84     | 1:48.75 | 1:50.88 | 1:58.50 | 2:14.31 | 2:33.50 | 3:05.43 |         | 1:45.73      | 1:45.01 | 1:52.42 | 1:59.34 | 2:11.79 | 2:31.20 | 3:20.27 |         |
| Mixed Freestyle   | 1:44.84     | 1:42.65 | 1:45.83 | 1:55.50 | 2:07.26 | 2:27.21 | 3:03.15 |         | 1:41.62      | 1:45.78 | 1:47.38 | 1:55.91 | 2:06.22 | 2:33.07 | 3:20.78 |         |
| Mixed Medley      | 1:56.58     | 1:57.30 | 2:01.22 | 2:08.56 | 2:27.14 | 2:53.27 | 3:31.54 |         | 1:52.80      | 1:58.28 | 2:01.59 | 2:09.37 | 2:25.26 | 2:52.77 | 3:45.23 |         |

## CALENDAR OF MASTERS OPEN EVENTS NATIONAL AND INTERNATIONAL - JANUARY-JULY

**2000**

|           |  |                                |           |   |                       |
|-----------|--|--------------------------------|-----------|---|-----------------------|
| JAN 14-16 | 16TH INT. GERMAN MASTERS 'LONG DISTANCE' CHAMPIONSHIPS - Halle/Saale, GER<br>Deutscher Schwimm-Verband, P.O. Box 420140, D-34070 Kassel, Germany<br>Tel. 49 561 940830 Fax. 49 561 9408315                       | Indoor - 50m 8 Lanes           | APR 01-02 | FINNISH MASTERS CHAMPIONSHIPS - Tampere, FIN<br>Finnish Swim. Fed., Outi Kokko Ropponen, FIN-00093 SLU<br>Tel. 358 9 34812056 Fax. 3587 9 1481191 E-mail: ropponen@suil.slu.fi  | Indoor - 25m 8 lanes  |
| JAN 22-23 | IV TROFEO INT. "AICS DEL BENACO" - Brescia, ITA<br>Francesco D'Elia, Master Nuoto Brescia, Via Zara No 66, 1-25125 Brescia, Italy<br>OR Mario Vittoroni (O)Tel. 39 030 29 78 741 (H) 39 030 37 71 114            | Indoor - 25m 8 Lanes           | APR 15-16 | 17TH TALLINN OPEN MASTERS CHAMPIONSHIPS - Tallinn, EST<br>Toivo Viilep, Meleka 8 App. 14, EE-10615 Tallinn, Estonia<br>Tel. 372 6670503 Fax. 372 6670501  | Indoor - 25m 6 Lanes  |
| JAN 22-23 | OPEN SPANISH MASTERS CHAMPIONSHIPS - Zaragoza, ESP<br>Federacion Espanola de Natacion, Juan Jardon, Juan Esplandiu 1, E-28007 Madrid, Spain<br>Tel. 34 91 557 20 09 Fax. 34 91 409 70 62 E-mail: Rfen@ctv.es     | Indoor - 25 m 8 Lanes          | APR 15-16 | 11TH GRAND PRIX MASTERS DE CHARLEROI - Charleroi, BEL<br>Jacques Leclercq, Rue Leon Pourbaix 28, B-6030 Marchienne au Pont<br>Tel. 32 71 515 746  | Indoor - 50m 8 Lanes  |
| JAN 29-30 | 46TH "ALTE MEISTER" MASTERS MEETING - Berlin, GER<br>Otto Gora, Gosener Damm, D-12559 Berlin, Germany<br>Tel/Fax 49 30 65942636  | Indoor - 50m                   | APR 15-16 | SCASA OPEN LONG COURSE MASTERS AND 19-24 COMPETITIONS - London, GBR<br>Crystal Palace, John Jeffreys, 6 Warren Road, Woodley, Reading, Berks RG5 3AP England<br>Tel. 0118 969 3709                                    | Indoor                |
| JAN 29-30 | INT. SLOVAKIAN MASTERS CHAMPIONSHIPS - Presov, SVK<br>Slovakian Swimming Federation, Junacka 6, SVK-83280, Bratislava, Slovakia<br>Tel/Fax, 421 7 49249555   | Indoor - 25m 6 Lanes           | APR 15-29 | OPEN WORLD MASTERS GAMES - Rio de Janeiro, BRA<br>Tel. 55 21 9175-6544/557-3005 Fax. 55 21 220 9887 E-mail: masters@openlink.com.br   |                       |
| FEB 05    | FINNISH MASTERS SPRINT CHAMPIONSHIPS - Espoo, FIN<br>Finnish Swimming Fed., Outi Kokko Ropponen, FIN-00093 SLU, Espoo, Finland<br>Tel. 358 9 34812056 Fax. 358 9 1481191 E-mail: outi.kokko-ropponen@suil.slu.fi | Indoor - 25m 8 Lanes           | APR 21-24 | AUSSI NATIONAL SWIM - Gladston, Queensland, AUS<br>Viv Irwin, P.O. Box 219, Gladstone, Qld 4680, Australia<br>Tel. (07) 4972 6426 E-mail: aussieweb@selcon.com.au www.selcon.com.au/~aussieweb                        |                       |
| FEB 05-06 | VAESTERAS MASTERS MEETING - Vaesteras, SWE<br>Lars Ekdahl, Vaesteras SS, Logaramsbadet, S-72132 Vaesteras, Sweden<br>Tel. 46 21 186236 Fax. 46 21 183645 E-mail: vss@vesteras.mail.telia.com                     | Indoor - 25m 7 Lanes           | APR 27-30 | USMS SCY NATIONAL CHAMPIONSHIPS - Indianapolis IN, USA<br>Mel Goldstein, 5735 Carrollton Ave., Indianapolis IN 46220<br>Tel./Fax. 317-253-8289 (O) E-mail: goldstein@mindspring.com                                   | Indoor - 25y 16 Lanes |
| FEB 19-20 | 29TH INTERNATIONAL MASTERS MEETING - Neheim-Hüsten, GER<br>Barbara Stobbe, Wichelnerweg 13, D-59759 Arnsberg, Germany<br>Tel. 49 2932 38678 Fax. 49 2932 34710   | Indoor - 25m                   | APR 29-30 | 6TH MALLORCA OPEN MASTERS - Palma De Mallorca, ESP<br>Juan Enrique Escalas, Barranca 15-Bloque A 4, E-07015 Calvia, Spain<br>Tel. 34 971 401 177 Fax. 34 971 284 773 E-mail: mastbal@hotmail.com                      | Indoor - 25m 8 Lanes  |
| FEB 26-27 | CHALLENGE INTERNATIONAL MASTERS "Jean Baptiste Evcard" - Embourg/Liege BEL<br>Jean Colette, 41, Rue Errmitage, B-4121 Neufch, Belgium<br>Tel./Fax. 32 4 3715028  | Indoor - 25m 5 Lanes           | MAY 13-14 | XVI OPEN CATALUNYA MASTERS CHAMPIONSHIPS - Sabadell ESP<br>Manel Domenech, Fed. Catalana Natacion, Diputacion 237 Bajos, E-08007 Barcelona<br>Tel. 34 93 488 1854 Fax. 34 93 487 8874 E-mail: Federacio@fcnatacio.org |                       |
| MAR 04    | INTERNATIONAL MASTERS MEETING "Goslarer Adler" - Goslar, GER<br>Herbert Groesser, Ludwig-Richter-Weg 15, D-38642 Goslar, Germany<br>Tel. 49 5321 29071 Fax. 49 5321 302055                                       | Indoor - 25m 8 Lanes           | MAY 18-21 | NATIONAL YMCA MASTERS SWIM MEET - Augusta, Georgia USA  |                       |
| MAR 10-12 | FRENCH OPEN WINTER MASTERS CHAMPIONSHIPS - Dunkeerque, FRA<br>Francis Luyce, Mairie de Dunkerque, F-59140 Dunkerque, France<br>Tel. 33 3 28262700 Fax. 33 3 28262879   | Indoor - 50m 8 Lanes           | MAY 20-21 | CZECH OPEN MASTERS CHAMPIONSHIPS - Ostrava-Poruba, CZE<br>Miroslav Polacek, Czech Swim. Fed., Mezi Stadiony PS 40, CZE-16017 Praha 6<br>Tel. 420 2 20512639 Fax. 420 2 20513278                                       | Indoor - 50m 8 Lanes  |
| MAR 10-12 | WELSH OPEN MASTERS CHAMPIONSHIPS - TBD, GBR<br>Welsh Amateur Swim. Fed., Roath Park House, Ninian Road, Cardiff CF2 5ER, GBR<br>Tel./Fax. 44 1222 488820 E-mail: welshasa@tecnico.com                            | Indoor                         | MAY 20-21 | VI GRAN CANARIA MASTERS CUP - Las Palmas, Gran Canaria, ESP<br>Miguel A. Piedra, Club Nat. Metropole, Paseo Alonso Quesada, E-35005 Las Palmas<br>Tel. 34 928 24 4346 Fax. 34 928 24 6569                             | Outdoor - 50m 8 Lanes |
| MAR 11-12 | XIV MEETING INT. NUOTO MASTERS - Firenze, ITA<br>Andrea Prayer, Fiorentina Nuoto Old Stars, Via Brunetto Latini 47, I-50133 Firenze, Italy<br>Tel. 39 055 571161 (H) Tel. 39 055 217502 (O)                      | Indoor - 25m 6 Lanes           | MAY 27    | IV OPEN MASTERS SANT ANDREU - Barcelona, ESP<br>Manel Domenech, Fed. Catalana Natacion, Diputacion 237 Bajos, E-08007 Barcelona<br>Tel. 34 93 488 1854 Fax. 34 93 487 8874 E-mail: Federacio@fcnatacio.org            |                       |
| MAR 11-12 | 5TH INTERNATIONAL GERA MASTERS MEETING - Gera, GER<br>Guido Auschek, Schmalzuetzenstr. 29, D-07545 Gera, Germany<br>Tel. 49 365 823 080 Fax. 49 365 823 0814   | Indoor - 50m 8 Lanes           | MAY 27-28 | XVI MEETING MASTERS INT. "CITTÀ DI CASTELLO" - Citta di Castello, ITA<br>Polisport SRL Amici del Nuoto CNAT, Gruppo Masters, Via Engels 1, I-06012 Castello<br>Tel. 39 075 855 0785 Fax. 39 075 852 0865              | Indoor - 25m 6 Lanes  |
| MAR 16-18 | 16TH ANNUAL SA NATIONAL CHAMPIONSHIPS - Cape Town, RSA<br>Western Province Masters Swimming, PO Box 752 Rondebosch 7701, Cape Town, RSA<br>Cecilia Stanford Tel. +2721 6894502 Fax. +2721 7629705                | Outdoor - 50m 10 Lanes         | JUN 02-04 | BRITISH OPEN MASTERS SWIMMING CHAMPIONSHIPS - GBR<br>ASA of Great Britain, c/o Judy Mott, Medway Bldg., LUT, Loughborough LE11 3TU<br>Tel. 44 1509 228 531 Fax. 44 1509 228 998 E-mail: judy@asfb.co.uk               | Indoor - 50m          |
| MAR 17-19 | SWEDISH MASTERS CHAMPIONSHIPS - Hudiksvall, SWE<br>Agnete Holmberg, Swedish Swim. Fed., Idrottens Hus, S-12387 Farsta, Sweden<br>Tel. 46 8 6056000 Fax. 46 8 7246861 E-mail: agnete.holmberg@mbox30.swipnet.se   | Indoor - 25m 6 Lanes           | JUN 17-18 | INTERNATIONAL MASTERS MEETING - Ceska Lipa, CZE<br>Jan Nykl, Mariánska 1764, CZE-47001 Ceska Lipa<br>Tel. 420 425 26557   | Indoor - 25m 6 Lanes  |
| MAR 24-26 | MILLENNIUM NATIONAL LC CHAMPIONSHIPS - Invercargill, NZL<br>Roger Eagles, PO Box 1445, Invercargill, New Zealand   | Tel. 218-8482 (H) 218-2182 (O) | JUL 08    | 32ND INTERNATIONAL MASTERS MEETING - Gersdorf, GER<br>Uwe Rauner, Schenkerberg 3, D-09355 Gersdorf, Germany<br>Tel. 49 37203 4516 Fax. 49 403 603 0566  | Indoor - 50m 8 Lanes  |
| MAR 25-26 | INTERNATIONAL MASTERS MEETING - Brno, CZE<br>Czech Swim. Fed., Mezi Stadiony PS40, CZE-160 13 Praha 6<br>Tel. 420 2 205 12 639 Fax. 420 2 205 13 278 E-mail: swimming@cstv.cz                                    | Indoor - 50m 8 Lanes           | JUL 14-16 | OPEN SPANISH SUMMER MASTERS CHAMPIONSHIPS - TBD, ESP<br>Fed. Espanola de Natacion, Juan Jardon, Juan Esplandiu 1, E-28007 Madrid, Spain<br>Tel. 34 91 557 2009 Fax. 34 91 409 7062 E-mail: Rfen@ctv.es                | Indoor - 50m 8 Lanes  |
| MAR 25-26 | INTERNATIONAL MASTERS MEETING - Deauville, FRA<br>Jean-Claude Cassignol, Piscine Olympique, Blvd. de la mer, F-14800, Deauville, France<br>Tel. 33 231 887793 Fax. 33 231 98 33 79                               | Indoor - 50 m 8 lanes          | JUL 29-07 | VIII FINA WORLD MASTERS CHAMPIONSHIPS - Munich, GER<br>Organizing Com. of the VIII FINA World Masters Champ., Dorfstr. 20, D-81247 Munich<br>Tel. 49 89 89160920 Fax. 49 89 89160921 E-mail: msm-masters@t-online.de  | Indoor - 50m 8 Lanes  |
| MAR 31-02 | IX INTERNATIONAL MASTERS MEETING - Guernsey, GBR<br>John Eyre, Belval, Belval Rd, Vale, Guernsey GY3 5LW, Great Britain<br>Tel. 44 1481 246030 Fax. 44 1481 726704 E-mail: eyre@cinergy.co.uk                    | Indoor - 25m 6 Lanes           |           |   |                       |



# FINA Masters News