



M.S.I. NEWS

The official Newsletter of
MASTERS SWIMMING - INTERNATIONAL

Number 4

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Editor's Note

This issue is devoted to the 3rd FINA/MSI World Masters Swimming Championships. Japan's Championships in 1986 will be remembered for the fine old Yoyogi Stadium where the pool deck bustled with swimmers, recorders and computer equipment; riding the Kinki Nippon railway, visiting temples and being able to get a beer from a street vending machine. Australia in 1988 and Brisbane's link to Expo can only be remembered for the large numbers of swimmers and the carefree, sunny Australian lifestyle. Now we have Rio to add to our store of memories. This edition of MSI NEWS tells you how it all went. However despite all the problems, I hope the following three words go down as our record of Rio memories. BEAUTIFUL, BREATHTAKING, and EXCITING.

Articles presented in this edition are:

- MSI President's Report
- MSI Congress Rio Report
- Technical Problems - Rio
- Swimmers Reflections - Rio
- Long Distance Swim - Rio
- Swimmers of the Meet, and some Rio results
- MSI view on proposed new FINA Rule Changes for Masters.

I was pleased to hear that Kusuo Kitamura, President of Japan Masters Swimming Association and Area Director Asia for MSI is recovering from his recent operation. Mr Kitamura is now back in the water. Mt Kitamura was the 1500m gold medallist at the Los Angeles Olympics in 1936 and was one of the six signatories of the Pasadena Agreement between FINA and MSI which led to the introduction of the FINA/MSI World Masters Championships. He was also Meet Director of those Championships. We wish Mt Kitamura a continued speedy recovery as he was sadly missed at Rio.

In January 1991, Perth, Australia (my home town) will act as host for the 6th World Swimming Championships for the elite. I look forward to welcoming many of my swimming friends who I met in Japan, Brisbane and Indianapolis who will be attending the FINA meetings

associated with these Championships. I may be biased, but the Superdrome swimming complex will rival any facility in the world, and our beautiful City is sunny, clean and safe. It also might be HOT in January, so be prepared for the climate change.

GLENYS McDONALD

Editor
MSI Publicity Officer

MSI President Reports

by GARY STUTSEL

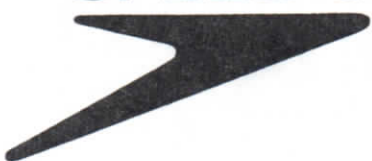
As I enter this my fourth two-year term as President of MSI, it is time to question where we are and where we are going.

The question of whether there was a need for MSI now that FINA has encompassed Masters as a legitimate activity was discussed at length and with much passion at the Rio Congress. Even those European countries which have to date not joined MSI, conceded that it has a role to play in promoting Masters. Others saw a much wider role which was best expressed by Angelika Schluch of Germany, who likened MSI to a trade union. Angelika said that MSI is a trade union which protects the interests of Masters swimmers and keeps FINA honest.

The fact is that inspite of all its efforts and advances FINA does not incorporate a mechanism which enables legitimate Masters to make decisions governing the technical and political future of Masters events. If a Masters Congress is introduced it will be another step forward, but unless this is held in conjunction with the Masters World Championships many of the delegates will be stand-ins from the elite disciplines due to the cost and time of world travel.

Inspite of the increase in awareness of the Masters movement much remains to be done to stimulate further interest. Masters has the potential to supply a huge pool of dedicated swimming people who can devote a lifetime
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SPEEDO®



THE CHOICE OF CHAMPIONS

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to not only competing but also developing the sport. Those associated with elite swimming generally have no more than 10 years involvement.

As detailed by Graeme McDougall in his article "Technical Problems – Rio" we have learnt that MSI has placed too much reliance on trust and we need to introduce stricter controls. Any fault in the selection of Rio as the site for the 1990 Championships rests squarely on my shoulders because I was Chairman of both the FINA Masters Committee and the MSI Selection Panel when Rio was awarded the event. We now know that perceptions and romantic ideals are not enough. more substantial requirements exist.

We must now work to provide earlier and more substantial funding for the hosts of World Masters Championships. There were many problems in Rio which money would have fixed.

The last of MSI's objectives is – "To co-operate with FINA for the furtherance of Masters Swimming". There is no doubt that whilst ever both organisations are able to continue meeting with the same cordiality and openness that has existed in the past two years, we will face and overcome our problems.

Glenys as usual will welcome your opinions and suggestions regarding the above.

MSI Congress – Rio De Janeiro 6th August 1990

The two yearly Congress held in Rio was far better attended than any to date. 35 representatives of 19 countries joined in the discussions either as delegates or the non voting observers.

Most welcome guests at the Congress were FINA officers – President Mustapha Larfaoui; Honorary Secretary Ross Wales and Vice-President Artie Shaw who is Bureau Liaison to the FINA Masters Committee.

Member countries who voted on all issues were Argentina, Australia, Brazil, Canada, Chinese Taipei, Germany, Guam, Italy, Japan, Netherlands, New Zealand and USA. Members who were unable to attend the meeting were Barbados, Czechoslovakia, Denmark, Ecuador, Mexico and Scotland. Associate members present were Hungary and the USSR and there were observers from England, Finland, Norway, Sweden and Switzerland. Absent due to illness were Kusuo Kitamura (Area Director Japan) and

Tom Logan (Area Director Oceania, since retired).

There were occasions when voices were raised louder than was needed to be heard, but the discussions were open and productive. There is no doubt that the FINA Bureau will now be better advised of the feelings and aspirations of the Masters National Associations. It was very obvious that Masters wish to have a very active role in determining their future, unlike the elite swimmers who are content to do just as they are told.

Ross Wales advised of FINA's desire to hold a Masters Congress in Perth, Australia on the 2nd January 1991 and distributed proposals for a new set of Masters Rules. MSI's comments and recommendations are included as a separate article in this issue of MSI NEWS.

The proposed new set of Rules of MSI have been tabled until after the Perth meeting which will be attended by the MSI President Gary Stutsel, and Treasurer Steve Gosse as observers.

The important question of limiting entries to World Championships was raised and after discussion it was accepted that: *Individuals must rank their entries in order of preference so that if necessary they can be reduced to four.*

The host country is to be given authority to impose additional restrictions on its own swimmers.

The objective was to limit competition to a maximum of 10 hours.

Of great importance was the need to supply articles to MSI NEWS (see address this issue) especially details of coming competitions.

World record certificates were again discussed with Ross Wales blanching at the thought of thousands of certificate being owed. This matter will be resolved by January 1991.

Walt Reid's new improved Speedo Top 10 was lauded as was Speedo's support of this venture. All countries were urged to supply results to Walt, particularly when times would have qualified for the 1989 Top 10 which is available from Walt.

It was resolved that a Championship Guidelines booklet be produced and Graeme McDougall 1988 Meet Director is working on this.

Coming championships were discussed and then elections ensured. Both of these items will have to be held over to the next issue of MSI NEWS.

soothe swimmers eyes
PREFRIN DROPS

Technical Problems

Rio 3rd FINA/MSI World Masters Swimming Championship

By Graeme McDougall, Meet Director 2nd World Championships, Brisbane 1988

Talk about doing it tough! Due to the once a week flight from Australia to Argentina being fully booked I had to fly to Rio via Sydney, Honolulu, Los Angeles, New York and Miami, the last of which was an unscheduled stop caused by aircraft problems. Forty four hours after leaving Brisbane I arrived in Rio having flown with four airlines in five different aircraft. Then to cap it off my suitcase was lost for 24 hours. After spending a day recovering I went to the pool to meet Sylvio Kelly the Meet Director.

I had had lengthy discussions with Sylvio and members of his committee at the Pan Pacific Meet in Indianapolis in 1989. I had also provided a full report of the 1988 World Swim for their guidance. At no time was I ever approached for assistance. Gary Stutsel also advised me that several times when he asked if any help was needed, the answer was no. Likewise Artie Shaw the FINA Bureau representative, had twice inspected the facilities and had not advised of any problems other than the possibility of political unrest.

Sylvio took me on an inspection of the facilities and during this I observed the following:

1. It was proposed to install two sets of timing which were not compatible.
2. One set of pads had an electronic scoreboard but because of the system incompatibility it was not possible to line the other set to the scoreboard.
3. One set of timing pads had only eight pads. The programme was seeded to 10 lands so the Meet Director had planned to hand time the two outside lanes. This would have given two lanes an advantage over the other eight swimmers due to the reaction delay of hand timing.
4. New starting blocks had been installed at one end plus two extra at the other end which had had eight. The new blocks did not meet specifications, particularly in relation to the backstroke handles.
5. The false start ropes would have to be hand operated both sides of the pool.
6. The intention was to use two starting methods. A bleeper at one end and a gun and diffuser at the other.
7. Back up timing was to be three stop watches per lane operated by Army cadets.
8. There were no speaker systems available in or behind the blocks.
9. The pool water was a green tinge as it had not long been filled.

In view of the above I had discussions with the Meet

Director and the two timing operators.

On learning that there were only 1600 competitors (3,800 in Brisbane) I advised Sylvio to use only the one set of 10 pads and to start men and women from the same end. The start would be with the gun and diffuser.

Mens and womens heats were to be alternated and the longer events with two swimmers per lane, stop watches only would be used. I asked that the starter be given a hand held megaphone to call the start commands.

I was assured that other facilities were in position and would be operational during the meet, including medical facilities.

I made these decisions without consulting the MSI Championship Chair and the FINA representative because they were not yet in Rio and certain work had to be completed quickly. The next day at the MSI Congress I advised the MSI Championship Chair and the FINA representative of my findings and the decisions I had taken.

The next day the competition started and when I arrived at the pool I discovered that:

1. The events were being started with a whistle because the starter had deliberately left his gun at home.
2. Doug Scales the FINA Masters Committee Chairman was starting the timing with a push button from the other end of the pool when he heard the whistle. Apart from the human reflex delay, this method relied on the speed of sound which is much slower than the speed of light used when gunsmoke or light flash is available. This was said to be due to the fact that there was no extension cord which would reach the starter's end of the pool.
3. The events were being run from one end only as advised.
4. The FINA representative Artie Shaw was acting as Referee and there was no sign of turning or stroke judges.
5. The MSI Championship Chair was not on the deck.
6. There was no protest desk much to the consternation of several swimmers.
7. The toilets blocked and overflowed. I believe this was due to the shortage of toilet paper and people using paper hand towels.
8. Several elderly people protested they missed the start because the starter was not using a megaphone.
9. There was a sit down restaurant, but no fast food service.
10. The medical centre was in a tent which contained a couple of stretchers and a medical officer. There was no sign of a defibrillator but there was an ambulance nearby. *(Continued on next page)*

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Technical Problems – Rio

I met with the MSI President and MSI Championship Chair and we decided that the interests of the competitors was paramount. As there was a general air of acceptance by the competitors and people were enjoying themselves it would be better to keep the meet going. The Championship Chair was advised to work with the FINA representative to ensure this.

In discussions which followed between the Executive of MSI and myself, it was determined that the following steps were essential:

1. A check list be compiled as guidance to those conducting a meet and to help associations decide whether they can bid to conduct a meet.
2. A new bid review procedure and a minimum of two site inspections by MSI after the bid is accepted to ensure that everything is proceeding to plan.
3. A contract be introduced between MSI the host National organisation (country) and the meet organising committee. This would spell out the responsibilities of MSI and the hosts.

These are to be completed by the end of December 1990.

Swimmers Reflections of Rio 1990

I had hoped to be swimming in Rio, but it is a long way from my little fishing village on the mid west coast of Western Australia. However after organising an open water swim here, I had the unique experience of sitting around a bush bonfire in the Australian bush, talking to two swimmers recently returned from Rio. I also collected a list of comments from swimmers you might know.

My camp fire swimmers reflections seem uniform with the reports to hand. They felt Rio was a beautiful city, the food and shopping exciting, the scenery breathtaking, but both were accosted by pick pockets. I learnt how some "ladies of the night" had a unique way of finding out which gentleman was carrying a wallet.

It is important that the negatives experienced at Rio do not overshadow the work that the Rio people did with the resources they had available. We, who live in affluent countries find it hard to comprehend that things like starting guns and extension cords may not be easily procured. In hindsight the optimism of the organisers was rose tinted, but they learnt quickly, and conditions improved towards the end of the meet.

Swimmers were more concerned naturally, how the meet problems affected them. One of my camp fire swimmers had both his 400m and 800m swims mucked up. The first when he was clocked off 300m and the second when he had to prevent two head on collisions with the lady in his lane of the 800m due to wrong instructions. He left the water, but was offered another swim, which he declined.

"There will be many criticisms of the preparation and the

organisation, but it must be borne in mind that South America is Third World and to expect otherwise leads to frustration and disappointment." Geoff Stokes, England.

"The language barrier was hard to get around. Many speak English but few understand. The results are supposed to be ready in October – we shall see." June Krauser, USA.

"The official results book will be ready at the end of October and the price will be US\$38 each." Sylvio Kelly dos Santos, Brazil.

"The Brazilians like to do things their own way!! This carnival was certainly no exception. It was done the Brazilian Way – certainly different! Once we accepted the Brazilian Way we got used to it, we all had a lot of fun. Certainly each brought something different and on the whole, things improved as the carnival went on. I think, when it is over, we could all say we enjoyed the experience." Martin Shanny, Australia.

"This was the most cosmopolitan swim yet held with 1600 competitors from 42 countries. Both the Japanese and US contingents were outnumbered by the Europeans. The Soviets swam in their first World Championships. Rio was a true adventure and I enjoyed myself immensely. There is no doubt that our coming venues will be safer but not as romantic." Gary Stutsel, President MSI.

Long Distance Swim

By Kevin Kelly

1990 3rd World FINA/MSI Championship finished off with a long distance ocean swim. On Monday morning the 13th August, Masters swimmers from all over the world gathered on the south end of beautiful Copacabana Beach for a 6km race. 267 swimmers originally signed up for the race but because of the 18°-20° degree celsius water temperature, there was a noticeable drop out rate.

The race officials decided to drop the length of the race for the older age groups so some of the swimmers swam a 3km race and the oldest a 1.5km race. There was a little confusion getting everybody registered and marked with their racing number, but before long there were six waves of brightly coloured swim caps running down the beach and into the breakers as the race got underway.

The swimmers started from right in front of the Rio Palace Hotel and swam parallel to the beach towards Leme. In front of Leme was a boat and a buoy to swim around. At the boat we handed the officials a slip of plastic with our race number on it to verify that we had covered half the distance. It was then the race back to the point of origin where officials were waiting to check us in. The finish was very efficient. They helped you in the run up the beach and directed you to your own age group table where they officially recorded your finish.

The results were announced within an hour of the last swimmers finish and medals were handed out on the spot. It was a beautiful finish, on a beautiful day, at a beautiful beach in a beautiful city. The best way to complete a World Championship. The long distance swimmers wish to thank the organising committee for a wonderful race.

Swimmers of the Meet – Rio

The Brazilian Masters Association selected both a Male and Female Swimmer of the Meet in Rio.

Because these are not official awards, it was decided to make the presentations to the man and woman whose time in a single event was the lowest percentage of the existing World Record.

Winners were **MARIA LENK**, Fluminense Club Brazil, who swam 5.17 seconds faster than the 50m Butterfly record. This time was 91.7% of the existing record.

Best Male performance was by **KARL HEINZ KNOPS** of SSV Rheydt, Germany whose 200m Breaststroke time was 9.80 seconds faster than the world record. This swim was 95.3% of the existing record.

Proposed New FINA Rules for Masters

This article is of paramount importance to Masters. Whilst we come from diverse backgrounds in both numbers of Masters swimming in our countries, and have differences in the West and Europe, it is important that the expertise we have established as participating swimmers over the last few decades is not lost. For this reason MSI NEWS wishes to print the official MSI stance on the Rules proposed for the FINA meetings in Perth, 1991.

FINA has proposed that its members hold a Masters Technical Congress in Perth Australia on Wednesday, 2nd January, 1991. This meeting will have to be approved by the Extraordinary General Congress on January 1st.

MSI welcomes the proposed Rules which cover each discipline and have been submitted or reviewed by the Masters Committee, the Technical Committees and the FINA Bureau.

Whilst most of the proposals reflect the conditions which have applied to the past three World Masters Championships there are some proposals which are ambiguous or too open to interpretation and others which are overly restrictive. The MSI Championship Committee and Executive have reviewed the proposals presented in the Circular 56.2 and urge all FINA MEMBERS and their DELEGATES to give careful consideration to the following.

We agree with the Bureau and the Masters Committee recommendations **except –**

MGR 3

Except for specific exceptions in the FINA Rules and Regulations all other FINA Rules and Regulations shall apply to Masters Competitions.

MSI supports this except that an extra rule MSW9 will be required which would read:

"MSW 9. Officials

Chief Finish Judge and Finish Judges are not required as all placings are decided by time recorded."

MGR4(A)

Age shall be determined as of December 31 of the year of competition.

MSI strongly opposes. MSI supports the USA proposal **MSW2(A)** which the Masters Committee has recommended.

Age is a critical issue to older swimmers. It is difficult enough for a 64 year old to compete against a 60 year old, but the proposal MGR4(A) would have them also swimming against swimmers whose attained age is 59. A 59 year old swimmer whose birthday is in December would be competing as a 60 year old for eleven months before turning 60. During all this time the swimmer could set World Records for an age not yet attained.

Due to the unfairness of this age advantage plus the facts that the format proposed in MSW2(A) has worked well in the USA since 1972 and in international events since 1974, we see nothing to be gained by the proposal that all swimmers, like race-horses, have a common birthday, the 31st December.

MSW1.2

Relays: To be conducted on the total age of team members. Age groups of relay events are as follows: 100 years and over, 120 years and over, 160 years and over, 200 years and over, 240 years and over and 280 years and over.

MSI proposed that the final sentence be altered to read:

"MSW1.2 Relays: To be conducted on the total ages in whole years of the team members with a minimum age of 25 years. Note teams cannot add part years of age to increase total team age. Age groups of relay team are etc."

Note: The existing proposal is open to interpretations or abuses which the above wording prevents.

MSW3(A)

Entry fee for World Championships – Entry fees shall be decided upon by the country which is hosting the meet, but they shall be subject to approval by FINA.

MSI agrees but urge the addition after "FINA" of "and MSI". The World Championships are jointly sanctioned by FINA and MSI and therefore both bodies must give their approval.

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Proposed New FINA Rules for Masters

Note: That MSI agrees with both the Bureau and the Masters Committee in opposing the alternative MSW(3)B which could not be changed until 1994. When the effects of inflation and currency fluctuations are considered, only MSW3(A) provides sufficient flexibility.

MSW4.2

The forward start may be taken from the front of the starting block, the pool deck or push from the wall.

MSI supports, but suggests the meaning be made more explicit by changing "push off from the wall" to "push off from the pool end wall".

MSW4.4(A)

Any swimmer who is charged with committing or causing a second false start shall be disqualified and shall not be permitted to swim the event.

MSI supports this, but feels it should be reworded to allow the Meet Director to advertise the use of MSW4.4(B) where they calculate the number of entrants and the use of MSW4.4(B) would extend the length of the day beyond 10 hours, thus we suggest:

"MSW4.4 – Any swimmer who is charged with committing or causing a second false start shall be disqualified and shall not be permitted to swim the event. Where the number of entrants in a Meet indicate sessions of longer than 10 hours, Meet Directors may advertise in the event programme 'any swimmer who is charged with committing or causing a false start shall be disqualified and shall not be permitted to swim the event.' "

MSW4.6(A)

All events shall be seeded with oldest age groups first, slowest heats swum first within each age group.

MSI approves subject to the addition of the following words:

"Meet Directors may seed events by slowest to fastest, regardless of age, if time constraints necessitate this."

Note: This may well be necessary in 800m and 1500m events to reduce overall time of those events.

MSW4.7(A)

The Organising Committee may arrange 800m and 1500m freestyle to be swum two (2) competitors in a land. Separate timing will be required for each swimmer.

MSI supports the USA alternative MSW4.7(B) because male swimmers are more likely to disrupt the rhythm of female swimmers than men/men and women/women. We also believe the 400m freestyle should be included in this rule to give the Meet Director more flexibility.

MSW7

Records – Masters world records lists for all events listed in MSW5 for each age group shall be maintained in 1/100 sex time (2 decimal places) and according to the provisions listed on the application form etc

MSI agrees providing the word "current" is included before application.

MSW7.1

Application for records on a special form provided by the FINA must be reported by the individual in question within 30 days from the end of the event.

MSI DISAGREES on the grounds that record claims should not be submitted by individuals. We suggest

"MSW7.1 Applications for records on current form MS11.1 must be submitted in accordance with the conditions stated on form MS11.2. These forms are available from FINA or MSI.

MSW8

Qualifying standards for World Championships will be considered by FINA and the Organising Committee if deemed necessary.

MSI OPPOSES, on the grounds of the problems this would create, and therefore propose an alternative.

"MSW8 Swimmers entering World Championships may be restricted to a maximum of five individual events which the swimmer will have entered nominating his/her order of preference. The Meet Director may delete all swimmers fifth choice if the meet sessions would extend beyond 10 hours. The Meet Director may also impose further restrictions on the entries of swimmers from the host country."

MSW 9 See MGR3

MSI is an organisation of Masters swimmers and therefore does not seek to tell divers, and others how to conduct their affairs, however, we draw your attention to two proposals:

MSS9 Entries do not come from countries but from individuals. This would need to be reworded. We would suggest.

"MSS9 Up to five routine entries per age group per event may be accepted from any one country or sports country."

MD5.8 This should be an MGR rule because if it is accepted as a diving rule that person would have to be a Diving Official. There would then be the possibility of the organising federation having to pay the travelling and accommodation expenses of five members of the FINA Bureau, that is one for each discipline.

MSI NEWS urges you to give the proposals presented by Masters Swimming International your careful consideration, and if you would like further explanation of any point, please contact the President, Gary Stutsel, 15 Merino Place, Sylvania, Australia 2224 or telefax 61-2-428-0091.

Swim Results

III FINA/MSI Masters Swimming Championships – Top Three

MEN 50 FREE

25-29		
28 COSTA F.J. GERALDO	0.24.28	
26 CLAUST MARIO R.	0.24.32	
28 FERNANDES JORGE	0.24.72	
30-34		
31 MARSHALL JOHN	0.24.25	
33 GOLDENSTEIN MARCOS	0.24.45	
30 LILLEY JIM	0.24.73	
35-39		
39 BUZE WLADEMIR	0.25.31	
38 MILTENBERGER CHESTER	0.25.71	
36 DELGADO JORGE	0.25.82	
40-44		
40 KOVAKS BERTALAN	0.27.58	
42 RESENDE SERGIO	0.27.76	
40 WEAVER EDUARDO	0.27.96	
45-49		
45 ABRAHAMS RICHARD	0.25.30	
47 SCHROEDER BERND	0.27.16	
45 CHERRINGTON TONNY	0.27.60	
50-54		
51 BERGENGREN PETER	0.27.20	
52 SMITH JOHN	0.28.20	
50 McLEAN IAN	0.28.26	
55-59		
56 LEDALL JEAN	0.29.25	
57 BENT PETER	0.29.33	
57 SOUZA ANTONIO	0.29.69	
60-64		
60 FONSECA ILO	0.29.67	
61 UYEKI IMRE	0.30.14	
60 RODRIGUES SERGIO	0.30.30	
65-69		
66 SANGSTER ALEJANDRO	0.30.40	
65 IKEGAMI ISAO	0.30.77	
68 HOLMES ROGERS	0.32.20	
70-74		
71 VISENTIN MIRIO	0.32.10	
72 TSUBOTA JUZO	0.33.24	
72 MYOJIN TAIKICHI	0.33.41	
75-79		
77 BOWERSOCK WINFIELD	0.34.23	
76 NAKAMURA AKIHIKO	0.36.20	
76 GRANT WILLIAM	0.37.14	
80-84		
80 ENGREN SIGVARD	0.45.07	
83 MEERWALD FRIEDRICH	0.47.60	
80 HINGST SYNESIO	1.00.12	

WOMEN 50 FREE

25-29		
28 ROEBUCK MARY	0.27.83	
26 JACKSON CATE	0.28.89	
29 ALMEIDA IDELMA	0.28.89	
30-34		
31 KORNELIA ANDERS	0.29.19	
34 PAQUELET CRIST	0.30.16	
33 OREGUELA EMPERAT	0.30.17	
35-39		
37 HIRSTY JACKI	0.27.68	
36 ECKEL EDIT	0.30.93	
39 THOMSON RUTH	0.31.08	
40-44		
42 PATOM MACGD	0.30.01	
41 VIVANCO ROSA	0.30.08	
41 ABRESH MARTNA	0.30.43	

WOMEN 50 FREE continued

45-49		
46 FLEMING CAROL	0.31.64	
45 BERGER HANIET	0.32.24	
46 CSEKO FIZELLA	0.32.66	
50-54		
53 BRAMMAM SYLVIA	0.34.22	
54 HUTSCHINGS PAN	0.34.32	
54 GEURTS LOTTIE	0.34.71	
55-59		
55 FROELICH URSULA	0.34.31	
56 McGUADE MARJORY	0.35.59	
56 RODAHL ANTONIETE	0.35.76	
60-64		
62 LUSIEN ODETTE	0.35.10	
63 GJORES KERSTIN	0.37.14	
62 BRUCE CYNTHIA	0.37.78	
65-69		
65 CUNNINGHAM MARGARET	0.35.46	
65 VADEN EMMY	0.45.13	
66 WALKDEN JEAN	0.46.35	
74-79		
76 HEWITT EDITH	0.48.69	
75 JOHNSON LILIAN	0.49.94	
77 VORRATH NEVILLE	0.52.01	
70-74		
71 HASEGAVA YASUKU	0.42.30	
71 GODSALL JOAN	0.52.31	
71 ROSEN LUCIE	0.53.84	

MEN 50 BREAST

25-29		
28 SAMPAIO MAVIAEL	0.31.01	
26 DEPARDO ROMERO	0.32.27	
25 RAZOUX AUGUSTE	0.32.58	
30-34		
30 RILEY PAUL	0.32.12	
32 KEHRMAN RON	0.32.35	
30 FILIPPE DOMINIQUE	0.32.36	
35-39		
38 MILTENBERGER CHESTER	0.31.53	
35 SCHRICK JURGEN	0.32.33	
36 HARKER ROBERT	0.32.78	
40-44		
40 OHATA MIKIO	0.33.69	
40 ARANTES J PEDRO	0.33.80	
40 BUNCH RAYMOND	0.33.85	
45-49		
47 SHEFA GERSHON	0.34.64	
47 RIBEIRD ARTHUR	0.34.92	
45 MOTTA ANTONIO	0.35.21	
50-54		
50 THUIN NEWTON	0.34.28	
51 WUENSCH BERND	0.35.13	
54 SCHOENHAAR ROLAND	0.35.14	
55-59		
57 SABGUILLY MANUEL	0.34.80	
55 WALKER RICHARD	0.36.05	
56 BUCHHOLTZ ALBERT	0.37.16	
50-64		
64 JURZMAN JOSEPH	0.38.31	
60 GRAJA BRUNELLO	0.39.21	
64 TAJIMA TOSHIO	0.39.74	
65-69		
65 KNOPS HEINZ	WR 0.39.00	
65 IKEGAMI ISAO	0.40.22	
65 BRANCO JOSE	0.44.47	

MEN 50 BREAST continued

70-74		
70 MINNICH WALTER	WR 0.40.56	
70 KAMM KURT	0.45.62	
71 MARIANI ADALBERTO	0.45.79	
75-79		
76 YOSHIMOTO HIMURO	WR 0.42.68	
75 EVERALL JERRY	0.45.58	
77 SPANGENBERG FELIX	0.45.59	
80-84		
83 MEERWALD FRIEDRICH	0.55.17	
81 SIMS FREDERICK	1.29.28	
80 BIDGOOD ALFRED	1.33.82	

WOMEN 50 BREAST

25-29		
27 STEINHOF BEATE	0.35.22	
29 MAESTRINI ANGELA	0.37.42	
28 GINDEN JULIE	0.37.71	
30-34		
30 DOBBIE JANE	0.36.01	
33 JANETTY MAYS	0.37.13	
32 LAIROLA MAIJA	0.37.33	
35-39		
38 CACKETT GILLIAN	0.37.80	
37 ELSNER CHRISTINE	0.38.88	
39 THOMSON RUTH	0.39.18	
40-44		
42 KRAUSE MARTINA	0.39.86	
43 WILKINS BERNICE	0.40.11	
43 HARRINGTON PAULINE	0.40.49	
45-49		
47 BROWNWICH ELLAINE	0.39.70	
45 BERGER HANIET	0.40.13	
49 VAHRMEYER ERNA	0.40.86	
50-54		
52 GLASDAM LIS	0.43.23	
53 HOE IVANELLE	0.43.67	
50 ANDRADE CYNTHIA	0.43.87	
55-59		
56 RODAHL ANTOINETTE	0.43.70	
55 FROELICH URSULA	0.44.92	
57 PELLIS ELIANE	0.45.18	
60-64		
62 LUSIEN ODETTE	0.45.80	
60 EISELE SYLVIA	0.47.93	
62 SOMMERMEYER HERTHA	0.48.76	
65-69		
65 BURG LIESEBETH	0.49.12	
65 PLISSON AGNES	0.50.25	
66 POVEY ELIZABETH	0.50.61	
60-74		
70 GANDOLPHO CANDIDA	0.50.23	
72 ZINT GERTRUD	0.52.53	
70 RAUNER EVA	0.53.17	
75-79		
76 HEWITT EDITH	1.00.56	
76 HARNISCH MARGARETHE	1.01.92	
78 NACHTIGAL LIESEL	1.09.71	
80-84		
81 HEDGES IRENE	1.40.55	
80 HASEGAWA MASUE	1.47.71	

Space does not permit the printing of more results, but full results are due out in October.

Top Ten Submissions

Notice to all countries.

Submissions for the Top Ten list must be sent to Walt Reid **BY MARCH 30, 1991**. This is one month later than last year because several countries could not make the February timetable. The country should send their Top Ten if compiled, or a Top Five if that is all they have. It needs to be in **ENGLISH** as Walt does not have the capacity to translate it. If no top swimmer list is available for the country, Walt will accept ONE major swim meet like a National Championships.

Submissions must be sent to:

**WALT REID
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