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Official Newsletter of the FINA Masters Swimming Committee

No. 2

## Sheffield to host 1996 World Championship

At the FINA Bureau Meeting held recently in Taipei, Sheffield was awarded the VI World Masters Swimming Championships. It will be the first time that the event has been staged in Europe. Swimming, Diving, Water Polo and Synchronised Swimming will be held at the magnificent Ponds Forge International Sports Centre in the heart of Sheffield. This attractive venue and the magnificent facilities available, promises to make the Championships a memorable event. The Open Water 5km will be staged in the regatta lake of the Holme Pierrepont National Water Sports Centre. Situated close to the city of Nottingham, the Centre is one of the most comprehensive water sports facilities in the world.

## The Swimming Countries of the World

The FINA Handbook lists 147 countries in the six regions who have historic affiliation to FINA. To assist organisers of Masters events to easily identify these countries we publish an alphabetical listing together with the three letter coding.

Albania	ALB	Great Britain	GBR	Oman	OMA
Algeria	ALG	Greece	GRE	Pakistan	PAK
Andorra	AND	Grenada	GRN	Panama	PAN
Angola	ANG	Guam	GUM	Papua New Guinea	
Antigua	ANT	Guatemala	GUA	PNG	
Antilles	AHO	Honduras	HON	Paraguay	PAR
Argentina	ARG	Hong Kong	HKG	Peru	PER
Aruba	ARU	Hungary	HUN	Philippines	PHL
Australia	AUS	Iceland	ISL	Poland	POL
Austria	AUT	India	IND	Portugal	POR
Bahamas	BAH	Indonesia	INA	Puerto Rico	PUR
Bahrain	BRN	Iraq	IRQ	Romania	ROM
Bangladesh	BAN	Iran	IRI	Russia	RUS
Barbados	BAR	Ireland	IRL	San Marino	SMR
Belarus	BLS	Israel	ISR	Saudi Arabia	KSA
Belgium	BEL	Italy	ITA	Senegal	SEN
Bermuda	BER	Jamaica	JAM	Seychelles	SEY
Johanna	BOL	Japan	JPN	Sierra Leone	SLE
Brazil	BRA	Jordan	JOR	Singapore	SIN
Brunei	BRU	Kazakhstan	KZK	Slovenia	SLO
Bulgaria	BUL	Kenya	KEN	Solomon Is.	SOL
Burma	BIR	Korea	KOR	South Africa	RSA
Cameroun	CMR	Korea (DPR)	PRK	Spain	ESP
Canada	CAN	Kuwait	KUW	Sri Lanka	SRI
Cayman Islands	CAY	Latvia	LAT	St. Lucia	SLU
Chile	CHI	Lebanon	LIB	Sudan	SUD
China (PR)	CHN	Libya	LBA	Surinam	SUR
Chinese Taipei	TPE	Liechtenstein	LIE	Swaziland	SWZ
Columbia	COL	Lithuania	LIT	Sweden	SWE
Costa Rica	CRC	Luxemburg	LUX	Switzerland	SUI
Cote D'Ivoire	CIV	Macau	MAC	Syria	SYR
Croatia	CRO	Madagascar	MAD	Tahiti	TAH
Cuba	CUB	Malaysia	MAS	Thailand	THA
Cyprus	CYP	Malta	MLT	Togo	TOG
Czechoslovakia	TCH	Marshall Islands	MIL	Trinidad & Tobago	
Denmark	DEN	Mauritius	MRI	TRI	
Dominica	DCA	Mexico	MEX	Tunisia	TUN
Dominican Republic	DOM	Maldives	MDV	Turkey	TUR
Ecuador	ECU	Monaco	MON	United States	USA
Egypt	EGY	Morocco	MAR	United Arab Emirates	
El Salvador	ESA	Mozambique	MOZ	UAE	
Estonia	EST	Namibia	NAM	Uruguay	URU
Ethiopia	ETH	Nepal	NEP	Venezuela	VEN
Faroës	FAR	Netherlands	NED	Viet Nam	VIE
Fiji	FIJ	New Zealand	NZL	Virgin Islands	ISV
Finland	FIN	Nicaragua	NCA	Western Samoa	SAM
France	FRA	Nigeria	NGR	Yugoslavia	YUG
Georgia	GEO	Northern Marianas		Zambia	ZAM
Germany	GER			Zimbabwe	ZIM
Gibraltar	GIB	Norway	NOR		

## European Championships the biggest ever

A record 2,600 competitors, representing 545 clubs from 27 European Federations, competed at the highly successful 1993 European Masters Swimming and Diving Championships held 9-12 September at Sindelfingen, the German City near Stuttgart. The Championships was the biggest LEN event to have been held since 1926. There were 6,325 entries in the swimming and 261 in the diving. The big meet was held over a period of four days at the "Badezentrum" whose facilities include an indoor 50 metre pool, two outdoor 50m warm-up pools and a separate outdoor diving pool.

Many former Olympic, World and European champions competed and more than 100 new European records were established. In the 25-29 yrs age group, Matthew Gomes (GBR) tied with Thomas Kipp (GER) in the 100m Breaststroke with an outstanding time of 01:11:76. In the 50m men's Freestyle, which attracted some 440 entries, Gerhard Innerhofer from Austria set a new European record of 00:24:66 in the 30-35 yrs age group. The oldest competitor in the Swimming was Fritz Merwald (GER) aged 87 years and in the Diving, Ernst Linhart (GER) aged 83 years.

The host country, Germany, headed the medal list with a total of 234 gold medals in the Swimming and 24 in the Diving. The 400m and 800m Freestyle were swum with two competitors to each lane and the long programme necessitated floodlighting for diving events. The organising committee of the VfL Sindelfingen were warm and friendly hosts and are to be congratulated on an outstanding meet.

## Rendez - Vous 94 Montreal

The organising committee of the Vth World Masters Swimming Championships is doing everything possible to ensure the success of this event which is to be held in Montreal 3-10 July 1994.

All competition venues selected were built for the 1976 Summer Olympics and should result in a high standard of performance. The Championship headquarters will be located at the Swimming Centre in the Olympic Park Complex and will be open from 0900 hours to 1900 hours from the 2nd of July until the end of the competition.

Details of venues are:

### Swimming

Will be held 4 to 9 July 1994 at the Swimming Centre in the Olympic Park Complex.

### Open Water Swimming

The 5km open water event will take place 10 July 1994 at the Olympic Basin on Isle Notre Dame, site of the canoe-kayak events of the 1976 Summer Olympics.

### Water Polo & Diving

Will take place 6 to 10 July 1994 at the Claude-Robillard Sports Complex.

### Synchronised Swimming

Will take place from 3 to 6 July at the Claude-Robillard Sports Complex.

Competitors can be assured of a warm welcome to Montreal next July.

## World Masters survey under way

Masters Swimming as an organised activity is the newest of the FINA disciplines. Little is known at present of the extent of participation throughout the world. A survey is at present being undertaken by FINA to remedy this situation. A questionnaire has been distributed requesting information on Masters activities in each of the Member Federations. When completed the survey should provide valuable information to assist with future development.

### NOTICES

#### FINA Top Ten Tabulations

The Masters Tabulation for 1992 is available and can be purchased from the FINA office for \$7-00 (US).

#### 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 (1992) for use in conjunction with the Top Ten patch is also available at \$3-00 (US).

#### 1993 Top Ten Tabulations

Tabulations for Long Course and Short Course metres for 1993 are due to be in to the FINA office from each Federation by the 28th of February 1994. We encourage all to participate to make the 1993 Top Ten Tabulation the best ever. For additional information please contact the FINA Office.

The FINA office address is:

Ave de Beaumont 9,  
1012 Lausanne, Switzerland.

**FINA Masters World Records - WOMEN'S LONG COURSE - Dated 1st December 1993**

	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+ years
<b>FREESTYLE</b> 50 metres	Sara Shand USA 91 00:26:68	S. Neilson-Bell USA 88 00:26:37	S. Neilson-Bell USA 91 00:58:23	Laura Val USA 92 00:28:08	Ardeth Mueller USA 87 00:29:08	Ardeth Mueller USA 92 01:02:99	Jayne Bruner USA 91 00:32:59	Jane Asher GBR 92 00:33:60	Clara Walker USA 92 00:34:75	Hatsuko Sugaya JPN 91 00:40:85	Ume Wada JPN 91 00:44:25	Aileen Soule USA 91 00:51:48	Pearl Miller USA 88 02:02:38	
100 metres	Sara Shand USA 91 00:58:23	S. Neilson-Bell USA 88 00:58:09	Susan Halfacre USA 88 01:00:25	Laura Val USA 92 01:14:01	Ardeth Mueller USA 87 01:05:44	Ardeth Mueller USA 92 01:07:42	Yoshiko Osaki JPN 93 01:11:01	Jane Asher GBR 91 01:14:25	Clara Walker USA 92 01:16:84	Catherine Kerr Can 92 01:28:07	Ume Wada JPN 91 01:38:28	Aileen Soule USA 91 01:39:30	Pearl Miller USA 88 04:08:22	
200 metres	Sara Shand USA 89 02:07:11	Beth Knight USA 69 02:07:84	Susan Halfacre USA 88 02:09:33	Laura Val USA 93 02:17:01	Ardeth Mueller USA 87 02:24:24	Ardeth Mueller USA 93 02:29:22	Lavelle Stoinoff USA 93 02:36:58	Clara Walker USA 92 02:48:51	Clara Walker USA 92 02:48:33	Catherine Kerr Can 92 03:21:01	Ume Wada JPN 91 03:44:00	Aileen Soule USA 91 03:37:64	Pearl Miller USA 88 04:49:52	
400 metres	Sara Shand USA 89 04:27:53	Beth Knight USA 91 04:30:38	Susan Halfacre USA 88 04:33:88	Barbara Dunbar USA 90 04:54:49	Ardeth Mueller USA 87 05:08:67	Ardeth Mueller USA 91 05:16:52	Yoshiko Osaki JPN 93 05:25:57	Clara Walker USA 93 06:05:22	Clara Walker USA 93 06:05:22	Margery Mayer USA 92 07:07:58	Rita Simonton USA 93 07:38:77	Ume Wada JPN 91 08:23:50	Ella Peckman USA 84 13:22:48	
800 metres	Sara Shand USA 89 08:18:43	Lynn Marshall CAN 92 08:16:82	Susan Halfacre USA 88 08:24:54	Laura Val USA 93 08:57:59	Ardeth Mueller USA 87 10:48:41	Ardeth Mueller USA 91 10:58:47	Lavelle Stoinoff USA 93 11:30:97	Clara Walker USA 92 12:04:16	Clara Walker USA 92 12:27:50	Margery Mayer USA 93 15:00:12	Rita Simonton USA 93 15:21:58	Ume Wada JPN 91 17:21:19	Anna Buschier USA 88 24:23:36	
1500 metres	Amy Pope USA 88 17:38:78	Karen Burton USA 92 17:40:50	Susan Pampilla USA 87 18:12:11	Barbara Dunbar USA 92 19:00:40	Ardeth Mueller USA 87 21:08:30	Ardeth Mueller USA 91 21:02:46	Lavelle Stoinoff USA 93 22:18:91	Lavelle Stoinoff USA 93 23:17:39	Clara Walker USA 92 24:07:05	Margery Mayer USA 93 28:39:46	Rita Simonton USA 93 29:45:90	Ume Wada JPN 92 33:59:55	Anna Bauscher USA 91 52:15:77	
<b>BACKSTROKE</b> 50 metres	Diane Grainer USA 89 00:30:80	Beth Mauer USA 88 00:32:11	Laura Val USA 92 00:32:39	Laura Val USA 92 00:32:42	Satoko Takejii JPN 88 00:34:51	Satoko Takejii JPN 92 00:37:07	Betsy Jordan USA 92 00:39:85	Doris Steadman DEM 92 00:40:35	Bunny Cederlund USA 92 00:44:53	W. Rysej GBR 91 00:46:64	M. Wright AUS 89 00:53:73	Aileen Soule USA 91 00:58:42	Vera Fermane AUS 88 02:01:70	
100 metres	Monique Rodahl NZL 69 01:06:46	Zena Hermann USA 92 01:09:07	Laura Val USA 92 01:10:94	Satoko Takejii JPN 89 01:19:45	Satoko Takejii JPN 93 01:21:42	Grette Bentzen DEM 92 01:30:22	Doris Steadman DEM 92 01:31:58	Betty Anderson AUS 87 01:39:85	W. Rysej GBR 91 01:49:73	M. Wright AUS 89 02:01:87	Doris Steadman DEM 92 03:17:12	Betty Anderson AUS 87 03:47:59	Aileen Soule USA 91 04:47:32	Vera Fermane AUS 88 03:58:89
200 metres	Diane Grainer USA 89 02:19:97	Debbie Fuchs GER 93 02:23:47	Karen Fansworth USA 92 02:35:44	B. Bazureau USA 92 02:43:23	Satoko Takejii JPN 92 02:50:27	Satoko Takejii JPN 92 02:51:11	Betsy Jordan USA 92 02:59:18	Doris Steadman DEM 92 03:14:11	Clara Walker USA 92 03:17:44	Edith Boehm GER 88 03:45:61	Emmi Pauli GER 93 03:49:57	Dorothy Weston GBR 93 03:52:90	Dorothy Weston GBR 93 03:58:60	
<b>BREASTSTROKE</b> 50 metres	S. Seminatore ITL 89 00:32:01	M. Mohmann GBR 88 00:34:56	L. Witzel-Osborne USA 89 00:34:41	J. MacIeod AUS 91 00:37:02	Monica Santibean GER 92 00:39:52	Jayne Bruner USA 91 00:39:91	Edith Boehm GER 88 00:42:49	Edita Lange GER 93 00:45:61	Ingeborg Frilze GER 92 00:49:57	Emmi Pauli GER 93 00:49:57	Dorothy Weston GBR 93 00:53:73	Yoshi Kuchiba JPN 93 01:26:13		
100 metres	S. Seminatore ITL 90 01:16:05	M. Mohmann GBR 88 01:14:52	L. Witzel-Osborne USA 90 01:17:44	Debra Walker USA 91 01:21:73	Carolyne Book USA 92 01:26:28	Joann Leitch USA 92 01:28:63	Flora Connolly GBR 93 01:35:86	Clara Walker USA 91 01:42:84	Gretta Connolly GBR 93 01:42:84	Betty Christian USA 92 01:52:88	Gertrud Zint GBR 93 02:05:98	Dorothy Weston GBR 93 02:17:08	Yoshi Kuchiba JPN 93 03:06:40	
200 metres	Sharon Davies GBR 90 02:42:02	Dagnan Hilbig GER 89 02:48:41	Gayle Bentz USA 93 02:51:75	Carolyn Book USA 92 02:59:24	Diane Ford GBR 93 03:09:19	Flora Connolly GBR 93 03:13:64	Margaret Evans GBR 93 03:27:50	Betty Christian GBR 93 03:18:11	Flora Connolly GBR 93 03:18:11	Betty Christian GBR 93 04:06:80	M. Butzbach GER 86 04:36:72	Dorothy Weston GBR 93 05:01:36	Yoshi Kuchiba JPN 93 07:15:13	
<b>BUTTERFLY</b> 50 metres	Rosamary Seaman USA 87 00:28:79	S. Seminatore ITL 89 00:32:01	L. Witzel-Osborne USA 89 00:34:41	Susan Halfacre USA 88 00:39:27	Ardeth Mueller USA 87 00:39:74	Jayne Bruner USA 91 00:39:99	Gail Roper USA 85 00:35:29	Jane Asher GBR 91 00:38:54	Florence Carr GBR 92 00:43:35	Catherine Kerr Can 92 00:46:55	Gertrud Zint GBR 93 00:55:38	Vivian Cherriman GBR 88 01:37:71	Ella Peckham USA 85 01:27:77	
100 metres	Rosamary Seaman USA 87 01:03:91	S. Palmer-White AUS 92 02:18:69	Susan Halfacre USA 88 01:05:39	Laura Val USA 92 01:06:27	Debra Walker USA 90 01:12:67	Joann Leitch USA 87 01:13:56	Gail Roper USA 85 01:27:49	Judy Oliver CAN 92 01:31:52	Jane Krauser USA 91 01:40:35	Maxine Merlino BRA 85 02:19:44	Katherine Pelton USA 91 02:37:32	Maxine Merlino BRA 85 02:41:44	Katherine Pelton USA 91 03:01:14	
200 metres	Sharon Davies GBR 90 05:59:29	Karen Burton USA 92 05:11:39	Karen Burton USA 92 05:34:47	Barbara Dunbar USA 89 05:39:70	Ardeth Mueller USA 87 05:54:98	Ardeth Mueller USA 91 06:12:68	Judy Oliver USA 87 06:42:05	Judy Oliver USA 92 06:42:61	June Krauser USA 92 06:28:58	Maxine Merlino BRA 85 06:47:79	Maxine Merlino BRA 85 06:52:93	Katherine Pelton USA 90 07:18:41	Katherine Pelton USA 91 08:44:53	
<b>MEDLEY</b> 200 metres	Sharon Davies GBR 90 02:22:00	S. Neilson-Bell USA 88 02:29:22	S. Neilson-Bell USA 93 02:36:67	Laura Val USA 93 02:38:20	Ardeth Mueller USA 91 02:46:91	Jayne Bruner USA 91 02:46:91	Gail Roper USA 85 02:48:05	Clara Walker USA 92 03:20:58	Catherine Kerr Can 92 03:51:91	Maria Lenk BRA 90 04:20:42	Maxine Merlino BRA 85 04:47:02	Katherine Pelton USA 91 05:44:53		
400 metres	Sharon Davies GBR 90 05:59:29	Karen Burton USA 92 05:11:39	Karen Burton USA 92 05:34:47	Laura Val USA 93 05:39:70	Ardeth Mueller USA 87 05:54:98	Ardeth Mueller USA 92 06:12:68	Gail Roper USA 85 06:42:05	Clara Walker USA 92 07:09:69	Eva Rauner GER 90 08:33:57	Maxine Merlino BRA 85 10:05:13	Katherine Pelton USA 90 14:32:65	Katherine Pelton USA 91 14:32:65		

**FINA Masters World Records - MEN'S LONG COURSE****- Dated 1st December 1993**

		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+ years
<b>FREESTYLE</b>															
50 metres	Kevin DeForest	A. Rowdy Gaines	Alexei Markovsky	Tom Whaley	Richard Abrahams	Don Hill	Michael Muckleroy	Don Hill	B. Schlurike	Kelley Lemmon	Lyle Collet	W. Bowerstock	Frank Griffiths	Gus Langner	
	USA 83 00:22.59	USA 90 00:23.21	RUS 92 00:24.56	USA 92 00:24:49	USA 90 00:25.30	USA 92 00:26:16	USA 88 00:27:42	USA 92 00:27:86	GER 91 00:28:94	USA 84 00:29:35	USA 83 00:32:50	USA 93 00:34:00	AUS 93 00:41:53	USA 93 00:49:51	
100 metres	Jim Montgomery	A. Rowdy Gaines	Jim Montgomery	Terence Downes	Andrew McPherson	Timothy Garton	Bob Ballie	Bob Ballie	Don Hill	James Welch	Kelley Lemmon	W. Bowerstock	Gus Langner	Gus Langner	
	USA 81 00:51:25	USA 91 00:51:50	USA 92 00:54:28	USA 93 00:56:00	USA 92 00:57:04	USA 93 00:58:62	USA 92 01:01:51	USA 92 01:02:80	USA 92 01:08:15	USA 83 01:11:61	USA 83 01:14:86	USA 87 01:23:56	USA 93 01:43:03	USA 93 01:57:51	
200 metres	John Keppler	A. Rowdy Gaines	Dan Stephenson	Tim Garton	Timothy Garton	USA 90	Kazuya Nishino	Don Hill	Peter Powlison	Kelley Lemmon	Kelley Lemmon	Gus Langner	Gus Langner	Gus Langner	
	USA 92 01:52:17	USA 90 01:54:04	USA 92 01:57:55	USA 92 02:03:28	USA 92 02:07:18	USA 92 02:21:33	JPN 92 02:32:90	USA 92 02:32:11	USA 87 02:44:86	USA 83 02:53:73	USA 83 03:31:79	USA 88 03:48:91	04:28:34		
400 metres	Marcus Mattioli	Jim Montgomery	Dan Stephenson	Tim Broderick	Bob Mansen	Timothy Garton	Burwell Jones	Graham Johnston	James Welch	Domel Suzuki	Arthur Rule	Gus Langner	Gus Langner	Gus Langner	
	BRA 88 04:06:99	USA 86 04:08:70	USA 92 04:15:49	USA 93 04:24:26	USA 92 04:27:70	USA 92 04:43:72	USA 88 04:58:41	USA 91 05:05:54	USA 91 05:38:79	JPN 91 05:57:45	USA 81 06:27:76	USA 88 07:23:09	USA 93 08:14:50	USA 93 09:44:11	
800 metres	Jeff Erwin	Jim Montgomery	Dan Stephenson	Kevin Polansky	Bob Mansen	Timothy Garton	Burwell Jones	Graham Johnston	R. Hartley	Domel Suzuki	Herbert Howe	Toshio Terao	Gus Langner	Gus Langner	
	USA 92 08:36:99	USA 96 08:52:22	USA 92 09:19:37	USA 92 09:31:38	USA 92 09:53:22	USA 92 10:27:88	USA 88 10:36:09	USA 91 11:35:97	JPN 91 12:34:22	USA 91 13:35:96	USA 87 14:48:62	USA 88 15:48:62	USA 93 17:11:21	USA 93 23:15:77	
1500 metres	Cameron Reid	Bob Paiten	Kevin Polansky	Ed Hinshaw	Sandy Galletly	Burwell Jones	Graham Johnston	Win Wilson	D. Suzuki	Herbert Howe	Gus Langner	Gus Langner	Gus Langner	Gus Langner	
	USA 87 16:28:69	USA 93 16:36:06	USA 90 17:30:13	USA 89 18:34:73	GBR 93 18:49:43	USA 90 19:54:72	USA 90 20:08:80	USA 91 20:28:32	JPN 91 23:59:01	USA 87 25:41:55	USA 83 28:54:95	USA 89 33:08:42	USA 93 36:47:02		
<b>BACKSTROKE</b>															
50 metres	R. Arantes	Dix Oster	Thompson Mann	Peter O'Keefe	Hugh Wilder	John Smith	Yoshi Oyawaka	George Gandsey	Ray Tait	Art Hargrave	Art Hargrave	Art Hargrave	Art Hargrave	Tom Lane	
	BRA 86 00:27:39	USA 88 00:28:04	USA 78 00:27:32	USA 88 00:29:38	USA 93 00:30:42	USA 88 00:30:93	USA 92 00:32:94	USA 89 00:33:74	USA 89 00:35:47	USA 82 00:40:47	USA 87 00:45:69	USA 87 00:58:07	USA 93 01:16:30		
100 metres	John Keppler	Jay Yarid	William Specht	Peter O'Keefe	Hugh Wilder	Richard Burns	Jack Beattie	Donald Brown	Roger Franks	Ray Tait	Art Hargrave	R. Reinstdtler	R. Reinstdtler	Tom Lane	
	USA 92 00:58:24	USA 93 01:00:03	USA 93 01:00:95	USA 93 01:03:39	USA 92 01:06:00	USA 92 01:06:82	USA 90 01:13:15	USA 93 01:15:56	USA 92 01:20:74	USA 89 01:25:35	USA 89 01:32:92	GER 92 01:45:37	USA 93 02:07:06	USA 92 03:19:14	
200 metres	John Keppler	Jay Yarid	Tom Wolf	Peter O'Keefe	John Calvert	Richard Burns	Don Brown	Donald Brown	Roger Franks	Ray Tait	Edward Shear	R. Reinstdtler	R. Reinstdtler	Tony Lopez	
	USA 92 02:07:57	USA 93 02:09:84	USA 90 02:13:83	USA 90 02:18:17	USA 92 02:26:91	USA 92 02:32:81	USA 88 02:42:37	USA 93 02:45:93	USA 92 02:55:46	USA 89 03:13:25	USA 91 03:25:93	USA 93 03:47:46	USA 93 04:43:49	USA 90 08:59:53	
<b>BREASTSTROKE</b>															
50 metres	Dewey Wyatt	David Guthrie	Peder Dahlberg	Rick Nesbit	Hiroshi Kotegawa	Hiroshi Kotegawa	John Smith	Yoshi Oyawaka	Walter Minnich	Hiromu Yoshimoto	John Kurzmann	Walter Minnich	Walter Minnich	F. Meerwald	
	USA 93 00:25:77	USA 92 00:29:42	USA 92 00:30:79	USA 92 00:32:76	USA 92 00:33:38	USA 92 00:33:93	USA 92 00:35:33	USA 92 00:35:74	GER 91 00:46:59	GER 91 00:48:58	GER 91 00:48:58	GER 91 00:48:58	GER 91 00:58:36	Tom Lane	
100 metres	David Lundberg	David Lundberg	Mark Schuman	Peder Dahlberg	Robert Strand	Manuel Sanguily	John Kurzmann	John Kurzmann	Bennett Allen	Augusto Romano	Karl Wittenberg	Shohei Yoshida	Shohei Yoshida	Ludwig Magener	
	USA 89 01:04:60	USA 91 01:05:65	USA 92 01:07:90	USA 92 01:09:95	USA 92 01:12:98	USA 83 01:15:60	USA 88 01:17:87	USA 91 01:21:58	USA 84 01:28:91	ITA 93 01:32:20	ITA 93 01:37:55	ITA 91 01:51:25	ITA 91 02:18:92	ITA 92 05:16:03	
200 metres	T. Ligi	GER 87	David Lundberg	Mark Schuman	Peter Wisner	Michael Moloney	Thomas Walker	John Kurzmann	Alde Da Rosa	Augusto Romano	Harold Perry	Shohei Yoshida	Shohei Yoshida	Jesse Coon	
	GER 87 02:26:73	USA 91 02:24:06	USA 91 02:33:05	USA 92 02:32:17	USA 92 02:41:88	AUS 92 02:51:68	GBR 90 02:56:20	GER 90 03:08:59	USA 88 03:16:90	ITA 93 03:29:00	ITA 93 03:39:00	ITA 93 04:25:69	ITA 91 05:09:86		
<b>BUTTERFLY</b>															
50 metres	Deforest/Bottom	Mike Bottom	Michael Bottom	John Foorie	Keefe Lohrig	Robert Probsting	John-Louis Ledall	Jack Hale	FRA 93	Ray Tait	Y. Miyamoto	Shohei Yoshida	Shohei Yoshida	Tom Lane	
	USA 84 00:25:16	USA 88 00:25:31	USA 93 00:25:93	USA 91 00:27:04	USA 92 00:27:12	USA 93 00:30:17	FRA 93 00:31:52	GBR 87 00:33:34	GER 91 00:46:59	USA 91 00:48:58	JPN 91 00:52:05	JPN 91 00:55:50	JPN 91 01:36:87		
100 metres	Mike Bottom	Mike Bottom	William Specht	Lance Larson	Andrew McPherson	Timothy Garton	Robert Probsting	John-Louis Ledall	Joe Kurzmann	Andrew Holden	Anton Cerer	Frank Griffiths	Frank Griffiths	Tom Lane	
	USA 84 00:56:34	USA 88 00:56:64	USA 93 00:57:44	USA 92 01:02:05	USA 92 01:02:84	USA 92 01:05:83	USA 92 01:10:28	FRA 93 01:16:39	USA 92 01:20:59	USA 91 01:32:85	USA 92 01:39:80	USA 93 02:21:06	USA 93 02:33:53	Tom Lane	
200 metres	M. Lukasek	James Belardi	Edward Brown	John Covacevich	Peter Gilmore	Robert Probsting	John Masters	Joe Kurzmann	D. Jeffrey	Anton Cerer	Frank Griffiths	Frank Griffiths	Frank Griffiths	Frank Griffiths	
	ICH 84 02:05:25	USA 93 02:07:43	USA 92 02:09:18	USA 93 02:20:81	USA 93 02:27:56	AUS 93 02:32:65	AUS 93 02:48:42	USA 91 03:00:99	AUS 87 03:08:79	AUS 87 03:43:56	AUS 93 03:48:46	AUS 93 05:11:48	AUS 93 05:24:28		
<b>MEDLEY</b>															
200 metres	Cameron Reid	David Lundberg	Mark Schuman	Rick Colella	Bob Mansen	Timothy Garton	Burwell Jones	Graham Johnston	Charles Moss	Ray Tait	Kelley Lemmon	R. Reinstdtler	R. Reinstdtler	Frank Griffiths	
	USA 87 02:09:21	USA 91 02:09:69	USA 91 02:16:49	USA 92 02:18:92	USA 92 02:24:39	USA 92 02:28:70	USA 90 02:43:57	USA 93 02:50:08	USA 93 02:57:61	USA 87 03:11:42	USA 91 03:30:50	USA 93 04:20:05	USA 93 04:40:15		
400 metres	Cameron Reid	David Lundberg	James Belardi	Rick Colella	Bob Mansen	Timothy Garton	Burwell Jones	Graham Johnston	Charles Moss	Ray Tait	Anton Cerer	Anton Cerer	Anton Cerer	Abe Olanoff	
	USA 87 04:34:08	USA 92 04:40:44	USA 92 04:55:13	USA 92 04:57:46	USA 92 05:12:03	USA 93 05:25:32	USA 90 05:53:53	USA 91 06:04:99	USA 93 06:25:02	USA 89 06:59:24	USA 92 07:33:32	USA 91 08:47:72	USA 91 12:27:27		



**FINA Masters World Records - Dated 1st December 1993**  
**RELAY LONG COURSE**

	100 years +	120 years +	160 years +	200 years +	240 years +	280 years +	320 years +
<b>Women's Freestyle 4 X 50</b>	HOLMES USA 88 Mary Holmes Susan Halfacre Beth Mauer Tish Bucher 01:53:20	LONE STAR USA 87 Monica Burk Brigitte Heuer L. Morrison Casey Jacki Hirsty 01:53:05	DC MASTERS USA 88 Jacki Hirsty Nancy Kirkendall Ann Svanson Sue Harrington 02:03:48	LOS ALTOS USA 92 Carolyn Boak Ariene Proebsting Della Sehorn Laura Val 02:09:35	HOLMES USA 88 HOLMES USA 88	HOLMES USA 88 03:09:01	
<b>Women's Medley 4 x 50 metres</b>	HOLMES USA 88 Beth Mauer Deb Walker Tish Bucher Mary Holmes 02:06:67	HOLMES USA 88 Sharon Lahey Cathy Drozda Judy Reed Marcy Bullock 02:08:21	ROCKY MOUNTAIN USA 92 Sharon Lahey Cathy Drozda Judy Reed Marcy Bullock 02:15:86	NEUK GER 92 Brigitte Merten Monika Sennleben Heidi Kampschulte Marga Schulze 02:27:18	HOLMES USA 88 HOLMES USA 88	HESTON GBR 92 Dorothy Williams Dorothy Weston Edith Hewitt Valerie Hardman 03:35:00	
<b>Men's Freestyle 4 x 50 metres</b>	REGATAS BRA 90 Jose Santos Jorge Fernandes M. Goldenstein Jose Moreira 01:37:40	LONE STAR USA 86 David Hague James Montgomery Trip Hedrick Buck Smith 01:37:43	HOLMES USA 90 James Lilley C. Miltenerger Richard Abrahams Timothy Garton 01:39:27	THE OLYMPIC CLUB USA 92 Robert Strand Donald Hill James Elder Bob Monsen 01:47:65	GOST USA 92 Thomas Olander Sid Hall Keith Carter John Florance 01:58:54	SHUEI JPN 92 Suichi Murayama Jujo Tsubola Isamu Tamura Keiijiro Nakamura 02:10:18	REC SWIM 88 JPN 93 S. Fukukawa Tetsu Yamauchi Shiro Ishikawa Haruo Chijiwa 02:53:29
<b>Men's Medley 4 x 50 metres</b>	POWERS AUS 90 Brad Cooper Neil Gynther Anker Brodersen Angus Waddell 01:49:84	POWERS AUS 90 Brad Cooper Neil Gynther Anker Brodersen Angus Waddell 01:49:84	Olympic Club USA 93 Tim Birnie Stuart Corliss Jeff Stiling Steve Clarke 01:54:45	THE OLYMPIC CLUB USA 92 James Beglinger Robert Strand Steve Clark Donald Hill 02:00:25	LINCOLN USA 91 George Gandsey Bill Muliken Paul Huttinger Sam Kooistra 02:21:20	OREGON USA 92 Floyd Elliott Bob Morrison Andrew Holden Gerald Huestis 02:34:57	REC SWIM 88 JPN 93 Shiro Ishikawa Haruo Chijiwa Noru Yamamoto Tetsu Yamauchi 03:30:60
<b>Mixed Freestyle 4 x 50 metres</b>	HOLMES USA 88 Beth Mauer Bruce Howell Sam Seiple Mary Holmes 01:43:89	HOLMES USA 88 Thomas Wolf Matthew Kanzler Susan Skiff Jacki Hirsty 01:44:83	ROCKY MOUNTAIN USA 92 Cathy Drozda Judy Reed Tom Whately Richard Abrahams 01:47:46	LOS ALTOS USA 92 Edward Cazalet Carolyn Boak Arlene Proebsting Robert Proebsting 01:58:15	HOLMES USA 88 Gerald Huestis Andrew Holden Petey Smith Pauline Stangel 02:09:67	OREGON USA 92 Nancy Clark Anne Walker Lelley Lemon David McAfee 02:31:29	USA 93 03:03:15
<b>Mixed Medley 4 x 50 metres</b>	HOLMES USA 88 Beth Mauer Bruce Howell Sam Seiple Mary Holmes 01:56:58	DC MASTERS USA 85 Thomas Wolf Matthew Kanzler Susan Skiff Jacki Hirsty 01:58:03	HOLMES USA 88 Edward Cazalet Carolyn Boak Robert Proebsting Arlene Proebsting 02:02:10	LOS ALTOS USA 92 Edward Cazalet Carolyn Boak Robert Proebsting Arlene Proebsting 02:14:58	NEW ENGLAND USA 88 Clara Walker Ted Hartz Win Wilson Diane Reed 02:29:30	HOLMES USA 88 Gerda Schubert Rudi Schubert Karl Wittenberg Ruth Hoffmann 02:37:98	SC Poseidon GER 93 Gerda Schubert Rudi Schubert Karl Wittenberg Ruth Hoffmann 04:18:03

**FINA Masters World Records - Dated 1st December 1993**  
**RELAY SHORT COURSE**

	100 years +	120 years +	160 years +	200 years +	240 years +	280 years +	320 years +
<b>Women's Freestyle 4 X 50</b>	ROCKY MIN USA 93 Ellen Atkinson Shelle Bota Kathy Gamier Dana Dutcher 01:54:54	SWISS COTTAGE GBR 92 Michele Pearson Tamsin Jaggs Caroline Horden Alyson Jones 01:55:08	DC MASTERS USA 89 Susan Skiff Barbara Zeremski Jayne Bruner Jacki Hirsty 02:01:10	TAMALPAIS USA 89 Angela Konig Laverne Adams Sherry Rademacher Nancy Ridout 02:11:64	SOLK HELLAS SWE 89 Kerstin Gjores Kristina Vadem Marianne Grane Ann-Mari Gernandt 02:42:57	HESTON GBR 92 Dorothy Williams Dorothy Weston Edith Hewitt Valerie Hardman 03:10:22	
<b>Women's Medley 4 x 50 metres</b>	SWISS COTTAGE GBR 92 Alyson Jones Michelle Pearson Tamsin Jaggs Caroline Horden 02:10:15	SWISS COTTAGE GBR 92 Alyson Jones Michelle Pearson Tamsin Jaggs Caroline Horden 02:10:84	S.G. NEUKOLLN GER 90 Sabine Felgentrager Monika Sennleben Brigitte Merten Ruth Stuber 02:18:65	S.G. NEUKOLLN GER 91 Siegrid Kurtz Monika Sennleben Brigitte Merten Marga Schulz 02:29:96	WEST COUNTY Y USA 92 Regan Kenner Carol Taylor Ardeth Mueller Jean Schnorbus 02:52:00	Holmes Lumber USA 93 Florence Carr Gertrud Zint June Reynolds Jean Beers	
<b>Men's Freestyle 4 x 50 metres</b>	BARNETT COPTHALL GBR 92 Mark Matthews Andy Cotter Jim Hobley Kevin Frost 01:35:91	BAYLOR LSTAR USA 92 Richard Hess Doug Moysie M. Rhodenbaugh Bobby Patten 01:37:89	SWAM USA 91 Chris MacCurdy Ric Nesbit Jerry Heidenreich Bryan Austin 01:41:93	LOS ALTOS USA 89 Robert Proebsting Edward Cazalet John Richards Dick Thomas 01:48:34	KOCHIKUUKO JPN 93 Akikazu Takemoto Akihiko Yabe Tsutae Iwago Nobumasa Yamasaki 02:01:12	HELLAS SWE 88 Eric Karlsson Nils Ferm Olie Nyman Arne Jutner 02:11:80	SC POSEIDON GER 92 Karl Wittenberg Fritz Monke Rudolph Schubert Arnold Schubler 03:14:13
<b>Men's Medley 4 x 50 metres</b>	B. COPTHALL GBR 92 Andy Cotter Tim Hobley Mark Matthews Kevin Frost 01:48:16	GCWP USA 89 Brian Goodell Scott Becker Jay Hersey Lyle Nalli 01:50:73	SWAM USA 91 Chris MacCurdy Ric Nesbit Jerry Heidenreich Bryan Austin 01:55:51	LOS ALTOS USA 89 Dick Thomas Thomas Boak Robert Proebsting John Richards 02:02:44	KOCHIKUUKO JPN 93 Akihiko Yabe Nobumasa Yamasaki Akikazu Takemoto Tsutae Iwago 02:16:56	SHUEI JPN 92 Goro Taniguchi Hiromu Yoshimoto Keiichi Tokunaga Shuichi Murayama 02:33:74	SC POSEIDON GER 92 Rudolf Schubert Arnold Schubler Karl Wittenberg Fritz Monke 03:44:22
<b>Mixed Freestyle 4 x 50 metres</b>	JARFALLA SWE 90 Leslie Osborne Larry Wood Gail Meakins Mel Nash 01:46:19	TEXAS USA 89 Bill Vickery Sharon Wise Sally Hasbrook Bill Wood 01:48:60	GIMSA USA 89 Penny Noyes Phil Whitten Dan Rogacki Jacki Hirsty 01:50:55	LINCOLN USA 89 Paul Huttinger Irene David Colleen Malmen Ray Padovan 01:57:25	LOS ALTOS USA 92 John Richards Jay Craddock Della Sehorn Laura Val 02:12:98	CONNECTICUT USA 88 Jerry Jarrold Dorothy Donnelly Ruth Billard Gus Langner 02:38:80	SAN MATEO USA 92 Margaret Keil Joe Kaufman Audrey Etienne Ray Taft 03:48:82
<b>Mixed Medley 4 x 50 metres</b>	LAKESIDE USA 89 William Tingley Gina Gatti Michael Higgs Melinda Schmitt 01:58:28	LAKESIDE USA 89 William Tingley Gina Gatti Michael Higgs Melinda Schmitt 01:58:28	NEW ENGLAND USA 90 Penny Noyes Phil Whitten Dan Rogacki Jacki Hirsty 02:07:34	SG NENKOLLN GER 92 S. Felgentrager Monika Sennleben Manfred Brock B. Schlurke 02:12:50	LOS ALTOS USA 91 Della Sehorn John Richards Laural Val Jay Craddock 02:32:46	MANLY AUS 92 Liz Wallis John Vidal Jamie Jenkins Lilian Johnson 03:04:69	SAN MATEO USA 91 Joe Kaufman Hilda Buel Ray Taft Margaret Keil 04:23:02



## Summary FINA Masters World Records - Dated 1st December 1993

	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90 +	
<b>Long Course</b>	50m Free	00:26:68	00:26:37	00:26:89	00:28:05	00:29:08	00:29:33	00:32:59	00:33:60	00:34:75	00:37:61	00:40:85	00:44:25	00:51:48	02:02:38
	100m Free	00:58:23	00:58:09	01:00:25	01:02:99	01:05:44	01:07:42	01:11:01	01:14:25	01:16:84	01:28:07	01:39:30	02:07:61	04:08:22	
	200m Free	02:07:11	02:07:84	02:09:33	02:17:01	02:24:24	02:29:22	02:36:58	02:43:83	02:48:51	03:21:01	03:37:64	03:44:00	04:49:52	
	400m Free	04:27:53	04:30:38	04:33:08	04:54:49	05:08:67	05:16:62	05:26:57	05:47:52	06:05:22	07:07:58	07:38:77	08:23:50	13:22:48	
	800m Free	09:18:43	09:16:82	09:24:54	09:57:69	10:48:41	10:58:47	11:30:97	12:04:16	12:27:60	15:00:12	15:42:58	17:21:19	24:23:38	
	1500m Free	17:38:78	17:40:50	18:12:11	19:00:40	21:08:30	21:02:46	22:18:91	23:17:39	24:07:05	28:39:46	29:45:90	33:59:65	52:15:77	
	50m Back	00:30:80	00:32:11	00:32:39	00:32:42	00:34:51	00:34:87	00:37:30	00:40:35	00:39:85	00:44:53	00:46:64	00:53:73	00:58:42	02:01:70
	100m Back	01:06:46	01:09:07	01:10:94	01:11:03	01:17:06	01:19:45	01:21:42	01:30:22	01:31:58	01:39:85	01:49:73	02:01:87	02:13:13	03:59:89
	200m Back	02:19:97	02:23:47	02:35:44	02:43:23	02:50:27	02:51:11	02:59:18	03:14:11	03:17:12	03:47:59	04:07:44	04:22:89	04:47:82	10:47:76
	<b>Women's</b>														
<b>Men's</b>	50m Breast	00:32:01	00:34:56	00:34:41	00:37:02	00:37:77	00:39:52	00:39:91	00:42:49	00:45:61	00:49:57	00:52:90	00:59:60	01:26:13	
	100m Breast	01:16:05	01:14:52	01:17:44	01:21:73	01:26:28	01:28:83	01:29:88	01:35:86	01:42:84	01:52:88	02:05:99	02:17:08	03:06:40	
	200m Breast	02:42:02	02:48:41	02:51:75	02:59:24	03:09:19	03:13:64	03:18:11	03:27:50	03:45:71	04:06:80	04:36:72	05:01:36	07:15:13	
	50m Fly	00:28:79	00:29:22	00:29:27	00:30:13	00:30:74	00:31:69	00:35:29	00:38:54	00:43:35	00:46:55	00:55:38	01:13:71	01:27:77	
	100m Fly	01:03:91	01:06:08	01:05:39	01:06:27	01:12:67	01:13:86	01:27:49	01:31:52	01:40:35	02:02:61	02:19:44	02:37:32	03:01:14	
	200m Fly	02:18:69	02:27:54	02:26:38	02:33:51	02:44:10	02:49:53	03:17:68	03:28:58	03:42:61	04:37:05	04:54:79	05:29:93	07:18:41	
	200m Medley	02:22:00	02:29:22	02:36:67	02:38:20	02:46:91	02:54:57	03:06:11	03:15:30	03:20:58	03:51:91	04:20:42	04:47:02	06:44:53	
	400m Medley	05:05:29	05:11:39	05:34:47	05:39:70	05:54:98	06:12:08	06:42:05	06:59:08	08:33:57	09:11:23	10:05:13	14:02:65		
	<b>Long Course</b>														
<b>Short Course</b>	50m Free	00:22:59	00:23:21	00:24:56	00:24:93	00:25:30	00:26:16	00:27:42	00:27:86	00:28:94	00:29:35	00:32:50	00:34:00	00:41:53	00:49:51
	100m Free	00:51:25	00:51:50	00:54:28	00:56:00	00:57:04	00:58:62	01:01:95	01:02:80	01:08:15	01:11:61	01:14:86	01:23:56	01:43:03	01:57:91
	200m Free	01:52:17	01:54:04	01:57:95	02:03:28	02:07:18	02:09:74	02:21:33	02:23:11	02:32:90	02:44:86	02:53:73	03:31:79	03:48:91	04:28:34
	400m Free	04:06:99	04:08:70	04:15:49	04:24:26	04:27:70	04:43:72	04:58:41	05:05:54	05:38:79	05:57:45	06:27:76	07:23:09	08:14:50	09:44:11
	800m Free	08:36:83	08:46:99	08:52:22	09:19:37	09:31:38	09:55:59	10:27:08	10:38:09	11:35:97	12:34:22	13:35:96	15:48:62	17:11:21	23:15:77
	1500m Free	16:28:69	16:36:06	17:26:29	17:30:13	18:34:73	18:49:43	19:54:72	20:06:80	22:29:32	23:59:01	25:41:55	28:54:95	33:08:42	36:47:02
	50m Back	00:27:39	00:27:32	00:28:04	00:29:38	00:30:42	00:30:93	00:32:94	00:33:74	00:35:47	00:37:49	00:40:47	00:45:69	00:58:07	01:16:30
	100m Back	00:58:24	01:00:03	01:00:95	01:03:39	01:06:00	01:09:82	01:13:15	01:15:66	01:20:74	01:25:35	01:32:92	01:45:37	02:07:06	03:19:14
	200m Back	02:07:57	02:09:84	02:13:83	02:18:17	02:26:91	02:32:81	02:42:37	02:45:93	02:55:46	03:13:25	03:29:93	03:47:46	04:43:49	08:59:53
	<b>Men's</b>														
<b>Short Course</b>	50m Breast	00:29:77	00:29:42	00:30:79	00:30:82	00:32:76	00:33:38	00:33:03	00:35:91	00:38:28	00:40:56	00:42:58	00:46:59	00:58:96	01:36:87
	100m Breast	01:04:60	01:05:65	01:07:90	01:09:95	01:12:98	01:15:60	01:17:87	01:21:58	01:28:91	01:33:20	01:37:55	01:51:25	02:18:92	05:16:03
	200m Breast	02:26:73	02:24:06	02:33:05	02:32:17	02:41:88	02:51:68	02:56:20	03:08:59	03:16:90	03:22:90	03:39:00	04:25:69	05:09:86	
	50m Fly	00:25:16	00:25:31	00:25:93	00:27:04	00:27:12	00:28:19	00:30:17	00:31:52	00:33:34	00:35:65	00:39:65	00:52:05	00:59:50	
	100m Fly	00:56:34	00:56:64	00:57:44	01:02:05	01:02:84	01:05:83	01:10:28	01:16:39	01:20:59	01:32:85	01:39:80	02:21:06	02:33:63	
	200m Fly	02:05:25	02:07:43	02:09:18	02:20:81	02:27:56	02:32:65	02:48:42	03:00:99	03:08:79	03:38:48	03:43:56	05:11:48	05:24:28	
	200m Medley	02:09:21	02:09:69	02:16:49	02:18:92	02:24:39	02:28:70	02:43:57	02:50:08	02:57:61	03:11:42	03:30:50	04:20:05	04:40:15	
	400m Medley	04:34:08	04:40:44	04:55:13	04:57:46	05:12:03	05:25:32	05:53:53	06:04:99	06:25:02	06:59:24	07:33:32	09:47:72	12:27:27	
	<b>Short Course</b>														
<b>Relays</b>	50m Free	00:26:93	00:26:55	00:26:24	00:28:25	00:29:73	00:30:48	00:31:83	00:33:54	00:34:38	00:38:95	00:42:88	00:48:76	01:03:78	02:06:95
	100m Free	00:58:93	00:57:35	01:00:29	01:01:15	01:05:20	01:06:41	01:11:63	01:13:68	01:20:80	01:29:76	01:45:53	01:53:70	03:01:15	04:23:67
	200m Free	02:05:80	02:06:83	02:12:69	02:14:32	02:28:69	02:27:95	02:40:27	02:39:93	03:02:54	03:18:51	03:50:58	04:17:73	05:33:83	
	400m Free	04:25:94	04:30:59	04:46:93	04:50:68	05:16:35	05:12:43	05:34:32	05:38:06	06:13:42	06:54:54	07:56:05	08:48:24		
	800m Free	09:18:99	09:09:90	09:46:95	10:04:16	10:51:84	11:20:21	11:29:99	11:30:55	12:35:26	14:29:66	16:20:48	18:11:90	24:05:34	
	1500m Free	17:30:18	17:41:61	18:27:71	19:00:81	21:20:47	21:44:35	21:35:84	23:28:15	23:38:44	23:59:12	23:53:53	35:07:91		
	50m Back	00:30:63	00:31:99	00:32:50	00:33:85	00:35:43	00:35:96	00:37:92	00:39:60	00:40:48	00:45:08	00:48:06	00:59:47	01:13:57	01:55:07
	100m Back	01:04:66	01:09:59	01:10:47	01:10:94	01:17:13	01:19:17	01:21:90	01:29:13	01:30:41	01:44:02	01:48:13	02:06:95	02:52:17	04:19:46
	200m Back	02:17:86	02:32:32	02:34:09	02:38:40	02:48:85	02:48:88	03:00:66	03:16:14	03:15:72	03:53:86	04:00:43	04:38:53	06:00:16	
	<b>Relays</b>														
<b>Long Course</b>	50m Breast	00:33:60	00:33:74	00:34:63	00:37:64	00:38:67	00:38:82	00:40:69	00:42:02	00:47:39	00:50:53	00:53:94	01:05:64	01:25:54	01:49:01
	100m Breast	01:13:60	01:15:39	01:16:70	01:22:19	01:23:49	01:25:73	01:28:13	01:34:05	01:43:57	01:54:84	02:00:27	02:21:80	03:09:62	04:05:59
	200m Breast	02:44:82	02:49:16	02:50:93	02:54:12	03:04:75	03:08:87	03:12:85	03:29:39	03:46:02	04:09:41	04:32:71	05:00:63		
	50m Fly	00:29:48	00:29:63	00:30:05	00:30:18	00:32:97	00:35:23	00:37:50	00:38:40	00:44:27	00:48:27	00:56:53	01:05:04	01:24:53	
	100m Fly	01:05:71	01:04:69	01:07:28	01:07:59	01:14:85	01:12:66	01:26:31	01:31:43	01:38:74	02:04:25	02:12:17	02:30:84	03:29:58	
	200m Fly	02:17:13	02:26:35	02:28:66	02:32:19	02:37:88	03:11:83	03:11:42	03:21:73	03:36:36	04:36:96	04:48:50	05:22:65	07:15:07	
	100m Medley	01:06:84	01:07:78	01:08:15	01:11:65	01:14:41	01:18:05	01:22:29	01:27:50	01:35:76	01:43:67	01:58:06	02:07:52	03:00:23	
	200m Medley	02:24:07	02:27:11	02:31:39	02:33:89	02:42:88	02:57:65	02:57:53	03:06:03	03:18:77	04:01:01	04:17:89	04:45:93	09:49:36	
	400m Medley	05:06:88	05:13:69	05:30:35	05:32:53	05:55:35	05								



# FINA Masters World Records - WOMEN'S SHORT COURSE - Dated 1st December 1993

	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+ years
<b>FREESTYLE</b> 50 metres	Liz Fabrizio USA 89 00:28:53	Sandy Neilson USA 87 00:26:55	Sandy Neilson-Bell USA 92 00:26:24	Laura Val USA 92 00:28:52	Susan Shrimpton GBR 92 00:29:73	Nancy Ridout USA 92 00:30:48	Jayne Bruner USA 89 00:31:83	Jane Asher GBR 91 00:33:54	Doreen Lusten FRA 93 00:34:38	Hatsuho Sugaya JPN 91 00:42:88	Julia Dolce USA 89 00:48:76	Marian McKechnie USA 89 01:03:78	Vera Fernance AUS 89 02:06:55	
100 metres	Monique Rodahl NZL 89 00:58:93	Sandy Neilson USA 88 00:57:35	Sandy Neilson-Bell USA 92 01:00:29	Laura Val USA 92 01:01:15	Susan Shrimpton GBR 92 01:05:20	Ardeth Mueller USA 91 01:06:41	Jayne Bruner USA 88 01:11:63	Jane Asher GBR 91 01:13:68	Clara Walker USA 91 01:20:80	Margery Meyer USA 92 01:28:76	Vivian Cherriman GBR 85 01:45:53	Anne Bauscher USA 89 03:01:15	Vera Fernance AUS 89 04:23:67	
200 metres	Rebecca Williams NZL 90 02:05:80	Sandy Neilson USA 87 02:06:83	Jacki Hirsty USA 89 02:12:69	Laura Val USA 92 02:14:32	Ardeth Mueller USA 87 02:28:69	Ardeth Mueller USA 91 02:27:95	Lavelle Stoinoff USA 89 02:40:27	Lavelle Stoinoff USA 93 02:39:93	Margery Meyer USA 92 03:02:54	Ume Wada JPN 90 03:05:58	Julia Dolce USA 89 04:17:73	Marian McKechnie USA 89 05:33:83		
400 metres	Lynn Marshall CAN 91 04:25:94	Barbara Dunbar USA 92 04:30:59	Marla Yelkonia USA 93 04:46:93	Barbara Dunbar USA 92 04:50:68	Sandra O'Neill GBR 92 05:16:35	Ardeth Mueller USA 91 05:24:32	Lavelle Stoinoff USA 89 05:34:32	Lavelle Stoinoff USA 93 05:38:06	Clara Walker USA 92 06:13:42	Margery Meyer USA 92 06:54:54	Vivian Cherriman GBR 85 07:56:05	Marian McKechnie USA 89 08:48:24		
800 metres	Diane Grainer USA 90 09:18:99	Lynn Marshall CAN 91 09:09:90	Laura Val USA 87 09:46:95	Barbara Dunbar USA 92 10:04:16	Sandra O'Neill GBR 92 10:51:84	Nancy Ridout USA 92 11:20:21	Lavelle Stoinoff USA 89 11:28:99	Lavelle Stoinoff USA 93 11:30:55	Clara Walker USA 92 12:35:26	Margery Meyer USA 92 14:29:66	Audrey Eilene USA 92 16:20:48	Vivian Cherriman GBR 87 18:11:90	Marian McKechnie USA 89 24:05:34	
1500 metres	Karen Burton USA 91 17:30:18	Lynn Marshall CAN 92 17:44:61	Laura Val USA 87 18:27:71	Barbara Dunbar USA 90 19:00:81	Sandra O'Neill GBR 93 21:20:47	Lavelle Stoinoff USA 89 21:44:35	Lavelle Stoinoff USA 89 21:55:84	Lavelle Stoinoff USA 89 22:28:15	Clara Walker USA 90 23:38:44	Rita Simonton USA 90 28:28:85	Maxine Merlino USA 92 33:23:53	Maxine Merlino USA 92 35:07:91		
<b>BACKSTROKE</b> 50 metres	Diane Grainer USA 89 00:30:63	Michelle Pearson GBR 92 00:31:99	Laura Val USA 91 00:32:50	S. Platt-Rogers GBR 91 00:33:85	Saitoko Takejui JPN 88 00:35:43	Betty Jordan IPN 92 00:35:96	Saitoko Takejui JPN 93 01:17:13	Betty Jordan USA 92 01:19:17	Clara Walker USA 92 01:28:13	Doris Steadman USA 89 01:40:48	Willy Van Rysel GBR 91 00:45:08	Maxine Merlino GBR 91 00:59:47	Marian McKechnie USA 89 01:13:57	
100 metres	Diane Grainer USA 89 01:04:66	M. Oliver-Saxsmith CAN 92 01:09:59	Pat Gilmore CAN 88 01:10:47	Laura Val USA 92 01:10:94	Saitoko Takejui JPN 88 01:17:13	Betty Jordan USA 92 01:19:17	Saitoko Takejui JPN 93 01:19:17	Betty Jordan USA 92 01:21:90	Doris Steadman USA 89 01:28:13	Clara Walker USA 89 01:40:48	Willy Van Rysel GBR 91 01:48:13	Maxine Merlino GBR 91 02:52:17	Vera Fernance AUS 90 04:19:46	
200 metres	J. De Rover NED 92 02:17:86	Zena Hermann USA 91 02:32:32	Pat Gilmore CAN 88 02:34:09	Laura Val USA 92 02:38:40	Sandra O'Neill GBR 93 02:48:65	Ardeth Mueller USA 91 02:48:88	Sandra O'Neill GBR 93 03:00:66	Betty Jordan USA 92 03:16:14	Doris Steadman USA 89 03:15:72	Clara Walker USA 92 03:29:59	Willy Van Rysel GBR 91 03:53:86	Maxine Merlino GBR 91 04:38:53	Marian McKechnie USA 89 06:00:16	
<b>BREASTSTROKE</b> 50 metres	Dagnar Hilbig GER 92 00:33:74	Leslie Osborne USA 89 00:34:63	Gillian Cackett GBR 92 00:37:64	Eilaine Bromwich USA 89 00:38:67	Erina Lostkamp NED 92 00:38:82	Jayne Bruner USA 91 00:40:69	Erina Lostkamp NED 92 00:42:02	B. Christian GER 90 00:42:02	Ingeborg Flitze GER 92 00:50:53	Gertrude Zint USA 93 00:53:94	Maxine Merlino GBR 91 01:05:64	Yoshi Kuchihira GBR 91 01:05:64	Vera Fernance AUS 89 01:55:07	
100 metres	Ria Willensse NED 90 01:13:60	Sharon Davies GBR 92 01:15:39	Leslie Osborne USA 89 01:16:70	Carolyn Boak USA 92 01:23:49	Erna Lostkamp NED 92 01:25:73	Flora Connolly GBR 93 01:28:13	Erna Lostkamp NED 92 01:28:13	L. Burg-Bonner NED 90 01:34:57	Ingeborg Flitze GER 91 01:44:84	Emmi Pauli GER 91 02:00:27	Maxine Merlino GBR 91 02:21:80	Katherine Petton USA 92 02:21:80	Doris Venning NZL 91 04:05:59	
200 metres	B. Steinhoff GER 90 02:44:82	Ester Isseppi SUI 89 02:49:16	Leslie Osborne USA 89 02:50:93	Gayle Bentz USA 92 02:54:12	Ginger Pierson USA 91 02:54:75	Sperry Rademaker USA 87 03:04:87	Flora Connolly GBR 90 03:11:83	Judie Oliver CAN 92 03:29:39	Michiko Hanuro JPN 90 03:46:02	Gertrude Zint USA 93 04:09:41	Maxine Merlino GBR 90 04:32:71	Yoshi Kuchihira GBR 91 04:55:63	Doris Venning NZL 91 07:49:01	
<b>BUTTERFLY</b> 50 metres	A. Eriksson SWE 92 00:29:48	Sharrott Davies GBR 92 00:29:63	Laura Val USA 91 00:30:05	Judy Wilson GBR 92 00:30:18	Erna Lostkamp NED 92 00:35:23	Betsy Jordan USA 92 00:37:50	Erna Lostkamp NED 92 00:38:40	Catherine Kerr CAN 91 00:44:27	Gertude Zint USA 93 00:48:27	Maxine Merlino GBR 91 00:56:53	Maxine Merlino GBR 91 01:05:04	Katherine Petton USA 92 01:05:04	Katherine Petton USA 92 01:24:53	
100 metres	S. McDonald GBR 86 01:05:71	Rebecca Perrott NZL 91 01:04:69	Maria Yelkonia USA 93 01:10:28	Laura Val USA 92 01:10:59	Judy Wilson GBR 92 01:14:87	Ardeth Mueller USA 91 01:12:66	Judy Wilson GBR 92 01:26:31	Judee Oliver CAN 92 01:31:43	June Krauser USA 91 01:38:74	Maxine Merlino GBR 91 02:04:25	Maxine Merlino GBR 91 02:12:17	Katherine Petton USA 90 03:29:58	Doris Venning NZL 91 04:05:59	
200 metres	S. Palmer-White AUS 91 02:17:13	Neroli Nixon AUS 92 02:26:35	Laura Val USA 91 02:28:96	Barbara Dunbar USA 89 02:32:19	Judy Wilson USA 92 02:37:88	Sperry Rademaker USA 87 03:11:83	Judy Wilson USA 92 03:11:42	Judee Oliver CAN 92 03:21:73	June Krauser USA 93 03:36:36	Maxine Merlino GBR 90 04:36:96	Maxine Merlino GBR 90 04:46:50	Maxine Merlino GBR 90 05:22:65	Doris Venning NZL 91 07:15:07	
<b>MEDLEY</b> 100 metres	Monique Rodahl NZL 89 01:06:84	Sandy Neilson USA 88 01:07:78	Sandy Neilson-Bell USA 92 01:08:15	Laura Val USA 92 01:11:65	Ardeth Mueller USA 91 01:14:41	Yoshiko Osaki JPN 93 01:22:29	Clara Walker USA 92 01:27:50	Catherine Kerr CAN 91 01:35:76	Gertude Zint USA 93 01:43:67	Maxine Merlino GBR 91 01:58:66	Maxine Merlino GBR 91 02:07:52	Katherine Petton USA 92 03:00:23		
200 metres	Diane Grainer USA 89 02:24:07	Sandy Neilson USA 87 02:27:11	Sandy Neilson-Bell USA 92 02:31:39	Laura Val USA 92 02:33:89	Ardeth Mueller USA 87 02:42:88	Yoshiko Osaki JPN 93 02:57:53	Clara Walker USA 92 03:14:28	Dorothy Donnelly USA 91 03:18:77	Maxine Merlino GBR 91 04:01:01	Maxine Merlino GBR 91 04:45:93	Maxine Merlino GBR 91 04:45:93	Katherine Petton USA 92 04:49:36		
400 metres	S. Palmer-White AUS 91 05:06:88	Rebecca Perrott NZL 91 05:13:69	Karen Farmsworth USA 91 05:30:35	Laura Val USA 92 05:32:53	Ardeth Mueller USA 87 05:55:35	Flora Connolly GBR 90 06:35:03	Judy Wilson CAN 92 06:50:55	Judee Oliver CAN 92 07:19:63	Rita Simonton USA 88 08:34:79	Maxine Merlino GBR 91 09:57:56	Maxine Merlino GBR 91 09:57:56	Katherine Petton USA 91 15:34:06		



FINA Masters World Records - MEN'S SHORT COURSE - Dated 1st December 1993



## CALENDAR OF MASTERS OPEN EVENTS - NATIONAL &amp; INTERNATIONAL

1994

Pool Details							Disciplines				
	S	L	M	Y	E	H	S	O	D	W	Y
JANUARY	3-4	Tropic Masters in Saint Denis Abella Fose, 22 Ruele Camp Calixte, St. Denis 97400, La Reunion, FRANCE (Dom Tom)	Fax: 33-242-214-801	✓	✓		✓	Saint Denis / La Reunion	FRA	✓	
	22-23	7th International Meet Ilaria Del Corretto Circolo Nuoto Lucca, c/o I.T.I., E. Fermi S.Filippo 1-55100 Lucca, ITALY	Fax: 39-583-55962 Mr. Ghizzardi	✓	✓		✓	Lucca	ITA	✓	
	29-30	1st International Meet De Andorra Federation Andorrana de Natacion, Pl. Guillermo, 6,3,2 Andorra La Vella, ANDORRA	Fax: 34-738-67007	✓	✓		✓	Andorra La Vella	AND	✓	
FEBRUARY	5	Finnish Super Masters Finnish Swimming Federation, c/o M. Miettinen, Radiokatu 20, SF 00240 Helsinki, FINLAND	Fax: 358-0-148-1191	✓	✓		✓	Helsinki	FIN	✓	
	6	New Zealand Masters 3km Open Water Championships National Secretary, PO Box 5092, Mount Maunganui, NEW ZEALAND	Fax: 64-7-575-3625					Rotorua (Lake Rotoma)	NZL	✓	
MARCH	4-6	South African Masters Water Polo Tournament John Wells, PO Box 317, Fourways 2055, SOUTH AFRICA	Fax: 27-11-804-4972					Bullawayo	ZIM		✓
	5	Goslar Adler Ralf Schiller, Kornstrasse 60, D-38640 Goslar, GERMANY	Fax: 49-5321-45082	✓	✓		✓	Goslar	GER	✓	
	12	2nd International Masters Meet Neheim - Huesten Barbara Stobbe, Wicher Weg 13, D 59759 Amsberg, GERMANY	Fax: 49-2932-34147	✓	✓		✓	Amsberg	GER	✓	
	22-26	Australian Masters National Championships Florence Walker, PO Box 418 Elizabeth SA 5112 AUSTRALIA	Fax: 61-8-344-1217	✓	✓		✓	Adelaide SA	AUS	✓	
	26-27	Masters Competition Vitezslav Svozil, Gorkeho 22-60200 BRNO CZECH REPUBLIC	Fax: 358-0-148-1191	✓	✓		✓	Brno	TCH	✓	
	26-27	Finnish Masters Championships Finnish Swimming Federation, c/o M. Miettinen, Radiokatu 20, SF-00240 Helsinki, FINLAND	Fax: 358-0-148-1191	✓	✓		✓	Helsinki	FIN	✓	✓
APRIL	2-3	2nd International Easter Meeting Luc De Bruyn, Tillaan 23, 2900 Schoten, BELGIUM	Fax: 32-3-658-6044	✓	✓		✓	Antwerpen-Schoten	BEL	✓	
	8-10	Norwegian Open Championships Norwegian Swimming Federation, Hauger Skolevei 1, 1351, RUD, NORWAY	Fax: 47-67-139-378	✓	✓		✓	Stavanger	NOR	✓	
	9	21st International Masters Meet VS-Villingen Erich Neumann, Berliner Platz 1/5 D-78048 VS-Villingen, GERMANY	Phone: 49-7721-56152	✓	✓		✓	VS - Villingen	GER	✓	
	9-10	3rd International Meet "Tcherno- Chemie" Vladimir Demenev, St. Zegelja 15, App. 50, 39850 Lipetsk, RUSSIA	Fax: 7-742-771-400	✓	✓		✓	Lipetsk	RUS	✓	
	16-17	Welsh ASA Masters Championships Welsh ASA, Wales Empire Pool, Wood St., Cardiff, CF1 IPP, WALES	Phone: 44-222-342-201	✓	✓		✓	Cardiff	GBR	✓	
	15-17	Grand Prix Masters de Charleroi Jaques Leclerc, 28 Rue Leon Pourbaix, B-6030 Marcelline, BELGIUM		✓	✓		✓	Charleroi	BEL	✓	
	22-24	Swedish Masters Championships Swedish Swimming Federation, Idrottens Hus, S-12387 Farsta, SWEDEN	Fax: 46-8-724-6861	✓	✓		✓	Stockholm	SWE	✓	
	23-24	8th International Meet, Trentino Masters in Trento S.S. Trentino Masters, Nuoto, c/o Giorgio Piesette, Vicolo Al Nuoto 20, I-38100	Fax: 39-461-238-816	✓	✓		✓	Trento	ITA	✓	
	23-25	New Zealand Masters National Championships Linda Laycock, 25 Tilford St., Christchurch, NEW ZEALAND	Fax: 64-3-389-1803	✓	✓		✓	Christchurch	NZL	✓	
MAY	6-8	Scottish Open Short Course Championships Ken McKay, SASA Office, Homelands Farm, Greenlees Rd., Cambuslang, Glasgow G7L 8DT SCOTLAND	Fax: 41-641-4443	✓	✓		✓	Greenock	GBR	✓	
	13-16	USMS National Short Course Championships Tempe Rio Salado Swim Team	Phone: 1-602-902-0431	✓	✓	✓	✓	Tempe, AZ	USA	✓	
	14-15	10th Campeonat De Catalunya, in Sabadell Club Natacion Sabadell, Montcada 2, E-08203 Sabadell, SPAIN	Fax: 34-3-727-0974	✓	✓		✓	Sabadell	ESP	✓	
	14-15	11th International Meet Alfredo Pagani Circolo Canottieri Aniene Lungotevere Acqua Acetosa 115 I-00197 Roma, ITALY	Fax: 39-6-807-8098	✓	✓		✓	Roma	ITA	✓	
	21-22	Czech Masters Championships Frantisek Stochl, Tomanova 4, 32014 Plzen CZECH REPUBLIC	Fax: 42-19-22-7941	✓	✓		✓	Plzen	TCH	✓	
	26-30	2nd International Povolzie Cup Michalov Veniamin Alla St. Bolshevikskaia 176 404121 Volzhskiy 21 RUSSIA	Phone: 7-844-597-7498	✓	✓		✓	Volgograd	RUS	✓	
JUNE	3-5	British Masters Swimming Championships Peter Hasall, Harold Fern House, Derby Square, Loughborough. LE11 0AL Leics, GREAT BRITAIN	Fax: 44-509-610-720	✓	✓		✓	Coventry	GBR	✓	
	4-5	Larvik Open Masters Larvik Svømmeklubb, Box 196, N-3251 Larvik, NORWAY	Fax: 47-331-87-399	✓	✓		✓	Larvik	NOR	✓	
	10-12	Dutch Open Masters Long Course Rob Hanou, Alblasserdamstraat 36, NL 6843 NJ Amhem, NETHERLANDS	Fax: 31-85-812-001	✓	✓		✓	Apeldoorn	NED	✓	
JULY	4-10	Vth World Masters Swimming Championships 4545, av. Pierre-de-Coubertin CP 1000, Succursale M. Montreal (Quebec) CANADA H1V 3R2	Fax: 1-514-252-3232	✓	✓		✓	Montreal	CAN	✓	✓
	9	USMS National 2 Mile Cable Open Water Championships Linda McCowan, 13613 Prince William Drive, Midlothian, VA 23113, U.S.A.	Phone: 1-804-379-2537					Charlottesville VA	USA	✓	
	16	USMS National 1.5 Mile National Championships Betsy Owens, 194 Lenox Av. Albany, NY 12208, U.S.A.	Fax: 1-518-462-9794					Lake Placid NY (Mooro Lake)	USA	✓	
AUGUST	6	USMS National 5 Mile Open Water Championships Tom Rushfield, 301 Margaret Circle, Wayzata, MN 55391, U.S.A.	Fax: 1-612-442-5517					Minneapolis MN	USA	✓	
	6-13	Golden Star Relay of the River Volga (500km) Vlaimir Demenev, St. Zegelja 15, App. 50 398-050 Lipetsk, RUSSIA	Fax: 7-742-771-400					Volgograd to Astahan	RUS	✓	
	25-28	USMS National Long Course Championships Gene Donner, c/o Southtown Business Forms, 4220 S. Park Av., Blasdell, NY 14219 U.S.A.	Fax: 1-716-823-8556	✓	✓		✓	Buffalo, NY	USA	✓	
SEPTEMBER	1-4	Championats Des France F.F.Natation, 148 Av. Gambetta, F 75020 Paris, FRANCE	Fax: 33-1-403-11990	✓	✓		✓	Vichy	FRA	✓	
	3	Bellinzona Masters Flavio Bormio, PO Box 1137, CH-6501 Bellinzona, SWITZERLAND	Fax: 41-92-261-940	✓	✓		✓	Bellinzona	SUI	✓	
	10-11	Criterium Suisse Masters Swiss Swimming Federation, Sportweg 10, CH-3097 Liebefeld-Bern SWITZERLAND	Fax: 41-31971-6019					Bern	SUI	✓	
	23-24	Hildesheimer Rose Dieter Engelke, Steinberger Strasse 62, D-31193 Hildesheim, GERMANY	Fax: 49-5121-41315	✓	✓		✓	Hildesheim	GER	✓	
	24-25	Australian Masters Diving Championships Michael Corlett PO Box 1043, Dickson ACT 2602 AUSTRALIA	Fax: 61-6-236-9407					Brisbane	AUS	✓	
	25	Dutch Open Masters Short Course R. Spikerman, Oosterstraat 11, NL-8011 6M Zwolle, NETHERLANDS	Fax: 31-38-223-933	✓	✓		✓	Zwolle	NED	✓	
	26	World Masters Games - 8 Oct Locked Bag 1994, GPO Brisbane, Queensland, AUSTRALIA	Fax: 61-7-221-0137	✓	✓		✓	Brisbane	AUS	✓	✓

Listings in the Calendar are restricted to National or International events which are open to all Masters. Information about listings should include details as above and should be addressed to:

Tom Logan, FINA Masters Newsletter  
PO Box 5092, Mount Maunganui, New Zealand  
Fax: (46-7) 575-3625

## Pool Details:

- S Short Course
- L Long Course
- M Metres
- Y Yards
- E Electronic Timing
- H Manual Timing

## Disciplines:

- S Pool Swimming
- O Open Water Swimming
- D Diving
- W Water Polo
- Y Synchronised Swimming