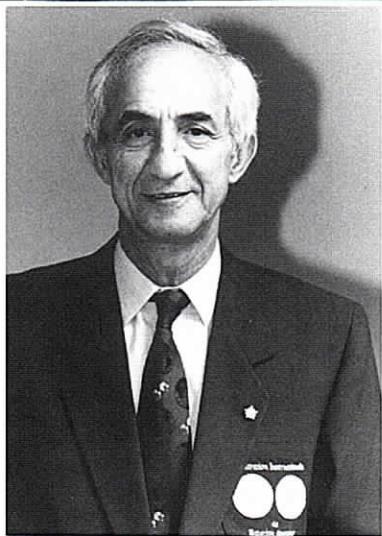


June 1993

Official Newsletter of the FINA Masters Swimming Committee

No. 1



Dear Friends,

I am very pleased to present the very first issue of the FINA Masters News, the Official Newsletter of the FINA Masters Swimming Committee, complete with the Masters Swimming Records, as of June 1 1993.

The newsletter will be published and distributed twice a year, in June and December and we are sure that this will be very useful to the entire Masters family.

FINA is very satisfied with the Masters Committee and the present Masters activities. We are confident of the best co-ordination and development of Masters activities in the future.

On behalf of FINA I would like to thank all those who have collaborated to produce this bulletin. Your time and efforts are very much appreciated.

Mustapha Larfaoui
FINA President

Technical Congress at World Masters Championships

The 1994 Masters Technical Congress is to be held in Montreal at the time of the Vth World Masters Swimming Championships. A Technical Congress for each of the Swimming disciplines is held every four years at the time of the World Swimming Championships. At these meetings changes to technical rules are ratified. The historic first ever Masters Technical Congress was held at the 1991 World Swimming Championships in Perth. At the FINA Bureau meeting, held in December 1992, the decision was made to allow Masters to hold their next Congress in conjunction with their own World Championships rather than at the World Swimming Championships. This is a step forward for Masters and a recognition of the unique position held by Masters among the disciplines. It will do much to assuage the fears among Master swimmers that as newcomers to the international scene they would be dominated by the more established disciplines.

Masters Swimming and Federation Responsibility

Arthur S. Knudsen of the FINA Masters Swimming Committee spells out the responsibilities of Federations as regards to Masters Swimming.

Masters activities are now an integral part of FINA and consequently also a responsibility of the FINA Member Federations. The responsibility of the National Federation is a consequence of the FINA Constitution which states in C 5.3 that each Member shall acknowledge in its national rules that FINA is the only recognised body in the world which governs Swimming, Diving, Water Polo, Synchronised Swimming and Masters internationally.

Among the objectives of FINA we find that FINA shall promote and encourage the development of Swimming in all possible manifestations throughout the world, and when we then see that one of the obligations of Federations is to support FINA in its efforts to achieve its objectives, it becomes very clear that it is a responsibility of all National Federations to engage themselves in Masters.

How can this be done? First of all by appointing a National Masters Committee or a Masters Contact and then by helping to set up an effective system of information for the benefit of Masters. This has already been achieved in many countries. It is of vital importance that all information regarding Masters gets down to the individual participant. We must realise that Masters activities differ from the "normal" Federation activities, especially when it comes to international relations.. Masters is an individual and club-based activity as opposed to other Federation activities which are based on national teams.

Many Masters swimmers are having great problems in getting the necessary information to take active part in this wonderful activity. I therefore urge the FINA Member Nations to accept responsibility for Masters and really make it an integral part of the swimming family. It is an asset, not a liability.

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2	Women's Long Course Records
3	Men's Long Course Records
4	Relay Records
5	Records in Summary
6	Women's Short Course Records
7	Men's Short Course Records
8	Calendar of Events

Masters Guide Under Preparation

With the rules covering all Masters disciplines virtually completed and detailed in the latest edition of the FINA Handbook, the Masters Swimming Committee have recently been concentrating their efforts on producing a guide for the "Conduct of Masters Swimming Events". This will not only cover detailed administrative procedures for the running of World Masters Swimming Championships but will also be a valuable guide to the running of Masters events in general. When finalised it is to be published by the FINA Office.



FINA Masters World Records - WOMEN'S LONG COURSE - Dated 1st May 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
FREESTYLE 50 metres	Sara Shand USA 91 00:26:58	S. Neilson-Bell USA 88 00:26:37	Jacki Hirsky USA 90 00:27:38	Laura Val USA 92 00:29:08	Ardeth Mueller USA 92 00:30:04	Jayne Bruner USA 91 00:32:50	Jane Asher GBR 92 00:33:50	Clara Walker USA 92 00:34:75	Oiga Johnson NZL 92 00:37:92	Hatsuho Sugaya JPN 91 00:44:25	Ume Wada JPN 91 00:40:85	Aileen Soule USA 91 00:51:48	Pearl Miller USA 88 02:02:38	
100 metres	Sara Shand USA 91 00:56:23	S. Neilson-Bell USA 88 00:58:09	Susan Halfacre USA 88 01:00:25	Laura Val USA 92 01:02:99	Ardeth Mueller USA 87 01:05:44	Jayne Bruner USA 99 01:12:34	Jane Asher GBR 91 01:11:25	Clara Walker USA 92 01:16:84	Catherine Kerr Can 92 01:28:07	Ume Wada JPN 86 01:39:28	Catherine Kerr Can 92 01:39:30	Aileen Soule USA 91 02:07:61	Pearl Miller USA 88 04:08:22	
200 metres	Sara Shand USA 89 02:07:11	Beth Knight USA 89 02:07:84	Susan Halfacre USA 88 02:09:33	Dot Munger USA 91 02:21:09	Ardeth Mueller USA 91 02:24:24	Lavelle Stoinoff USA 88 02:42:04	Clara Walker USA 92 02:50:03	Clara Walker USA 92 02:48:51	Catherine Kerr Can 92 03:21:01	Ume Wada JPN 92 03:44:00	Catherine Kerr Can 92 03:29:90	Aileen Soule USA 91 04:49:52		
400 metres	Sara Shand USA 89 04:27:53	Beth Knight USA 91 04:30:38	Susan Halfacre USA 88 04:33:08	Barbara Dunbar USA 91 04:34:49	Ardeth Mueller USA 87 05:08:67	Lavelle Stoinoff USA 88 05:36:66	Clara Walker USA 88 06:02:28	Clara Walker USA 88 06:05:22	Maria Lenk BRA 91 07:15:99	Ume Wada JPN 91 08:04:16	Clara Walker USA 88 08:23:50	Ella Peckman USA 84 13:22:48		
800 metres	Sara Shand USA 89 09:18:43	Lynn Marshall CAN 92 09:16:82	Susan Halfacre USA 88 09:24:54	Barbara Dunbar USA 91 10:07:92	Ardeth Mueller USA 87 10:48:41	Lavelle Stoinoff USA 88 11:30:97	Clara Walker USA 88 12:19:35	Clara Walker USA 92 12:27:60	Rita Simonton USA 88 15:04:91	Ume Wada JPN 91 17:21:19	Rita Simonton USA 88 15:33:41	Anna Bauscher USA 88 24:23:38		
1500 metres	Amy Pope USA 88 17:38:78	Karen Burton USA 92 17:40:50	Susan Pamelia USA 87 18:12:11	Barbara Dunbar USA 92 19:00:40	Ardeth Mueller USA 91 21:08:30	Lavelle Stoinoff USA 88 21:02:46	Helen Evans USA 92 23:45:76	Clara Walker USA 92 24:07:05	Jean Durston USA 90 31:46:49	Ume Wada JPN 92 33:59:65	Anna Bauscher USA 91 52:15:77			
BACKSTROKE 50 metres	Diane Graner USA 89 00:30:80	Beth Mauer USA 88 00:32:11	Laura Val USA 90 00:32:35	Satoko Takeiji JPN 88 00:34:51	Satoko Takeiji JPN 92 00:34:87	Betsy Jordan USA 92 00:37:30	Clara Walker USA 89 00:40:35	Bunny Cederlund USA 92 00:44:53	W. Van Rysel GBR 91 00:58:42	M. Wright AUS 89 00:53:73	Aileen Soule USA 91 00:58:42	Vera Fernance AUS 88 02:01:70		
100 metres	Monique Rodahl NZL 89 01:06:46	Zena Hermann USA 92 01:06:07	Laura Val USA 89 01:10:94	Satoko Takeiji JPN 89 01:17:06	Margaret Wilding GBR 92 01:21:01	Betsy Jordan USA 92 01:21:42	Grette Bandtzen DEM 92 01:30:22	Doris Steadman USA 90 01:31:58	Bery Anderson AUS 87 01:39:85	M. Wright AUS 89 01:49:73	Aileen Soule USA 91 02:01:87	Vera Fernance AUS 88 03:59:89		
200 metres	Diane Graner USA 89 02:19:97	Zena Hermann USA 92 02:26:98	Karen Farmsworth USA 92 02:35:44	Sandra O'Neill GBR 92 02:45:63	Satoko Takeiji JPN 92 02:51:11	Betsy Jordan USA 92 02:58:18	Doris Steadman USA 89 03:15:92	Bery Anderson AUS 87 03:17:12	Marie Wicklund USA 89 03:47:59	M. Wright AUS 89 04:07:44	Aileen Soule USA 91 04:47:82	Pearl Miller USA 89 10:47:76		
BREASTSTROKE 50 metres	S. Seminatore ITL 69 00:32:01	M. Mohmann GBR 88 00:34:56	A. Wright-Osborn USA 89 00:34:41	J. Macleod AUS 91 00:37:07	Monica Sennitaben GER 92 00:39:52	Jayne Bruner USA 91 00:39:85	Edith Boehm GER 88 00:42:49	Ingeborg Fritze GER 92 00:49:57	Ume Wada JPN 92 01:04:36	Emmi Pauli GER 89 01:05:50	Aileen Soule USA 91 01:05:57	Doris Vennig NZL 87 01:28:69		
100 metres	S. Seminatore ITL 90 01:16:05	M. Mohmann GBR 88 01:14:52	L. Wezel-Osborn USA 90 01:17:44	Debra Walker USA 91 01:21:73	Carolyn Boak USA 92 01:26:28	Joann Leilich USA 90 01:28:88	Edith Boehm GER 88 01:38:72	Bethy Christian USA 92 01:32:88	Maxine Merlino BRA 96 02:07:86	Bethy Christian USA 92 01:32:88	Maxine Merlino BRA 96 02:22:79	Katherine Peiton USA 91 03:18:97		
200 metres	Sharon Davies GBR 90 02:42:02	Dagmar Hillbig GER 89 02:48:41	Karen Mellick USA 92 02:53:64	Debra Walker USA 91 03:01:46	Carolyn Boak USA 92 03:09:19	Flora Connolly GBR 86 03:14:70	Flora Connolly GBR 86 03:18:11	Margaret Evans USA 92 03:35:36	Bethy Christian USA 92 03:45:71	Maxine Merlino BRA 96 04:36:80	Maxine Merlino BRA 96 04:36:72	Katherine Peiton USA 91 07:45:92		
BUTTERFLY 50 metres	Rosemary Seaman USA 87 00:28:79	Beth Harrell USA 92 00:29:22	Susan Halfacre USA 88 00:29:27	Laura Val USA 92 00:30:13	Jane Asher GBR 92 00:32:76	Jayne Bruner USA 91 00:35:94	Gail Roper USA 85 00:38:54	Florence Carr GBR 92 00:42:49	Catherine Kerr Can 92 00:45:57	Vivian Cheriman GBR 88 01:04:36	Aileen Soule USA 91 01:05:57	Ella Peckham NZL 87 01:27:77		
100 metres	Rosemary Seaman USA 87 01:03:91	Beth Harrell USA 92 01:06:08	Susan Halfacre USA 88 01:05:39	Laura Val USA 92 01:06:27	Ardeth Mueller USA 87 01:12:67	Jayne Bruner USA 91 01:15:47	Gail Roper USA 85 01:27:49	Judie Oliver CAN 92 01:31:52	Maxine Merlino BRA 96 02:02:61	Key Schimpf USA 92 02:19:44	Maxine Merlino BRA 96 02:37:32	Katherine Peiton USA 91 03:01:14		
200 metres	S. Palmer-White AUS 92 02:18:69	Karen Burton USA 92 02:27:54	Laura Val USA 89 02:26:38	Barbara Dunbar USA 91 02:33:51	Ardeth Mueller USA 87 02:44:10	Flora Connolly GBR 89 02:49:53	Judie Oliver CAN 92 03:28:58	Jude Oliver CAN 92 03:42:61	Maxine Merlino BRA 96 04:37:05	Maxine Merlino BRA 96 04:54:79	Maxine Merlino BRA 96 05:29:93	Katherine Peiton USA 90 07:18:41		
MEDLEY 200 metres	Sharon Davies GBR 90 02:22:00	S. Neilson-Bell USA 88 02:29:22	Patricia Gilmore CAN 88 02:37:26	Barbara Dunbar USA 90 02:43:49	Ardeth Mueller USA 87 02:46:91	Jayne Bruner USA 91 02:54:57	Jayne Bruner USA 92 03:06:11	Catherine Kerr Can 92 03:20:58	Clara Walker USA 86 03:17:40	Catherine Kerr Can 92 03:51:91	Maria Lenk BRA 90 04:20:42	Katherine Peiton USA 91 04:47:02		
400 metres	Sharon Davies GBR 90 05:05:29	Karen Burton USA 92 05:11:39	Karen Farmsworth USA 92 05:34:47	Barbara Dunbar USA 91 05:54:58	Ardeth Mueller USA 87 05:54:96	Gail Roper USA 85 06:42:05	Gail Roper USA 85 06:12:08	Clara Walker USA 86 06:59:45	Eva Rauher GER 90 07:09:69	Maxine Merlino USA 92 07:11:23	Maxine Merlino USA 92 10:05:13	Katherine Peiton USA 90 14:02:65		



FINA Masters World Records - MEN'S LONG COURSE - Dated 1st May 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			
FREESTYLE																	
50 metres	Kevin DeForest USA 83 0:22:59	A. Rowdy Gaines USA 90 0:23:21	Alexei Markovsky FLS 92 0:24:56	Tom Whitley USA 92 0:24:93	Richard Abrahams USA 90 0:25:30	Don Hill USA 83 0:26:16	Michael Mudkroy USA 88 0:27:42	Don Hill USA 92 0:27:86	B. Schlueter GER 91 0:28:94	Kelley Lemmon USA 84 0:29:35	Lyle Collet USA 83 00:32:50	Gerson Sobel USA 90 00:36:82	Gus Langner USA 89 00:44:65	Collister Wheeler USA 84 00:59:88			
100 metres	Jim Montgomery USA 81 0:51:25	A. Rowdy Gaines USA 91 0:51:50	Jim Montgomery USA 92 0:54:28	Terence Downes SRA 92 0:56:01	Andrew McPherson USA 92 0:57:04	Don Hill USA 83 0:59:25	Bob Baile USA 91 0:1:01:35	Don Hill USA 92 0:1:02:80	James Welch USA 93 0:1:16:15	Kelley Lemmon USA 83 0:1:16:61	Kelley Lemmon USA 87 01:14:56	Gerson Sobel USA 90 01:28:22	Gus Langner USA 90 01:43:03	Collister Wheeler USA 84 02:14:06			
200 metres	John Keppler USA 92 0:52:17	A. Rowdy Gaines USA 90 0:54:04	Dan Stephenson USA 92 0:57:95	Kevin Polansky USA 90 0:57:45	Tim Garton USA 90 0:27:07	Timothy Garton USA 92 0:27:45	Kazuya Nishino JPN 92 0:21:33	Don Hill USA 92 0:22:91	Peter Powellson USA 87 0:44:86	Kelley Lemmon USA 83 0:23:73	Kelley Lemmon USA 87 02:53:73	Gus Langner USA 83 03:31:79	Gus Langner USA 88 03:48:91	Paul Spangler USA 90 06:03:12			
400 metres	Marcus Mattioli BRA 88 0:46:99	Jim Montgomery USA 86 0:48:70	Dan Stephenson USA 92 0:45:49	Kevin Polansky USA 90 0:46:60	Bob Monsen USA 92 0:47:27	Timothy Garton USA 92 0:48:72	Burnell Jones USA 88 04:58:41	Burnell Jones USA 92 04:43:72	James Welch USA 91 05:05:54	Graham Johnston USA 91 05:05:54	Arthur Rule USA 81 06:27:76	Gus Langner USA 83 07:23:09	Gus Langner USA 88 08:14:50	Collister Wheeler USA 84 08:59:88			
800 metres	Jeff Erwin USA 92 0:36:83	Jim Montgomery USA 86 0:46:99	Dan Stephenson USA 92 0:52:22	Kevin Polansky USA 90 0:51:38	Bob Monsen USA 92 0:53:13	Timothy Garton USA 92 09:55:59	Burnell Jones USA 88 10:27:08	Graham Johnston USA 91 10:36:09	R. Hartley AUS 91 12:34:22	Domel Suzuki JPN 91 12:35:97	Heribert Howe USA 87 13:35:96	Toshio Terao JPN 90 15:48:62	Gus Langner USA 88 17:11:21	Paul Spangler USA 90 20:41:53			
1500 metres	Cameron Reid USA 87 16:28:69	Ron Neugent USA 91 16:42:28	Jim McConica USA 89 17:26:28	Kevin Polansky USA 90 17:30:13	Ed Hinshaw USA 83 18:34:73	Burnell Jones USA 85 19:28:41	Burnell Jones USA 90 19:54:72	Graham Johnston USA 91 20:08:00	W. Wilson USA 92 22:29:32	D. Suzuki JPN 91 23:59:01	Heribert Howe USA 87 25:41:55	Gus Langner USA 83 26:54:95	Gus Langner USA 88 33:08:42	Paul Spangler USA 90 52:41:53			
BACKSTROKE																	
50 metres	R. Arantes BRA 86 0:27:39	Dix Oder USA 88 0:27:32	Thompson Mann USA 90 0:28:04	Peter O'Keefe USA 90 0:29:38	Rich Burns USA 88 00:30:67	John Smith USA 90 01:03:39	Yoshi Onoaka USA 92 00:30:53	I. Da Fonseca BFA 91 00:32:94	George Gundsey USA 89 00:34:39	Ray Taft USA 92 00:37:49	Art Hargrave USA 92 00:40:47	Peter Jurczyk USA 91 00:45:59	Peter Jurczyk USA 91 00:59:15	Tom Lane USA 89 01:16:30			
100 metres	John Keppler USA 92 0:56:24	David Lundberg AUS 90 0:1:01:19	B. Cooper AUS 90 0:1:01:50	Hugh Wilder USA 90 01:03:39	John Smith USA 88 01:10:14	Jack Battie USA 90 01:13:15	Imre Nyeki HUN 92 01:16:38	Roger Franks USA 92 01:20:74	Art Hargrave USA 92 01:25:35	R. Reinhardtler GER 91 01:32:32	R. Reinhardtler GER 91 01:45:37	Reginald Harrison USA 89 02:18:74	Reginald Harrison USA 92 03:19:14	Tom Lane USA 92 03:19:14			
200 metres	John Keppler USA 92 0:07:57	Thomas Wolf USA 87 02:11:77	Tom Wolf USA 90 02:13:83	Peter O'Keefe USA 90 02:18:17	John Calvert USA 92 02:26:91	Barry Young NZL 92 02:34:01	Don Brown USA 88 02:42:37	Imre Nyeki HUN 92 02:49:36	Roger Franks USA 92 02:55:46	Ray Taft USA 91 03:13:25	Edward Shaw USA 92 03:25:93	Charles Seale USA 92 03:58:25	Peter Jurczyk USA 91 05:08:37	Peter Jurczyk USA 91 05:59:53	Tom Lane USA 89 05:59:53		
BREASTSTROKE																	
50 metres	Rick Hobstetter USA 86 0:29:88	David Guthrie USA 92 0:29:42	Doug McColm USA 92 00:30:79	Peder Dahlberg USA 92 00:32:76	Rick Neabit USA 91 00:33:27	Hiroshi Kotegawa JPN 92 00:33:38	John Korthauer USA 91 00:35:91	Joe Kurtheuer USA 91 00:38:28	Walter Minnich GFR 90 00:40:56	Ray Taft USA 92 00:42:58	Art Hargrave USA 92 00:46:59	Peter Jurczyk USA 91 00:58:96	Peter Jurczyk USA 91 01:36:87	F. Moenwald GFR 92 01:46:59	F. Moenwald GFR 92 01:58:96		
100 metres	David Lundberg USA 89 0:104:60	Mark Schuman USA 92 0:107:90	Mike Bottom USA 88 0:105:65	Peter Dahlberg USA 92 01:09:95	Robert Strand USA 92 01:12:98	Manuel Sanguly USA 83 01:15:50	John Korthauer USA 88 01:17:87	John Korthauer USA 91 01:21:58	Bennett Allen USA 84 01:28:91	John Korthauer USA 91 01:32:99	Kelley Lemmon USA 87 01:39:59	Karl Wittenberg GER 91 01:51:25	Karl Wittenberg GER 91 02:18:92	Ludwig Magener USA 82 05:16:03			
200 metres	T. Ligl GER 87 0:26:73	David Lundberg USA 91 02:24:06	Mark Schuman USA 92 02:33:05	Rick Cojella USA 92 02:32:17	Peter Werner USA 92 02:41:88	Michael Moloney AUS 92 02:51:58	Thomas Walker GBR 90 02:56:20	Karl Heinz Knops USA 91 03:08:59	Alpo Da Rosa GER 90 03:16:90	Don McCullough USA 88 03:32:90	Harold Parry USA 92 03:44:71	Harold Parry USA 92 04:25:69	Shohei Yoshiida JPN 91 05:09:36	Shohei Yoshiida JPN 91 05:59:36	Tom Lane USA 89 05:59:36		
BUTTERFLY																	
50 metres	DeForest/Bottom USA 84 0:25:16	Mike Bottom USA 88 0:25:31	Peter Munger USA 87 00:26:35	John Foote USA 91 00:27:04	Michael Meallife USA 92 00:28:53	Robert Probsting USA 92 00:30:17	Jack Hale GBR 87 00:31:56	Hitoshi Kato JPN 92 00:33:34	Ray Taft USA 89 00:35:85	Kelley Lemmon USA 87 00:41:25	Jesse Coon USA 91 00:52:05	Shohei Yoshiida JPN 91 00:59:50	Shohei Yoshiida JPN 91 01:36:87	Jesse Coon USA 91 01:46:59	Jesse Coon USA 91 02:18:74	Tom Lane USA 89 02:18:74	
100 metres	Mike Bottom USA 84 0:55:34	Mike Bottom USA 88 0:56:64	James Belardi USA 92 0:58:08	Lance Larson USA 80 01:02:05	Andrew McPherson USA 92 01:02:84	Timothy Garton USA 92 01:05:83	Robert Probsting USA 92 01:10:28	Win Wilson USA 88 01:17:39	Joe Kurtheuer USA 91 01:28:91	John Korthauer USA 91 01:32:85	Anton Carter USA 92 01:39:80	Abe Olanoff USA 91 02:21:06	Abe Olanoff USA 91 03:23:06	Anton Carter USA 92 03:38:48	Frank Griffiths AUS 89 05:11:48	Frank Griffiths AUS 89 05:59:36	Tom Lane USA 89 05:59:36
200 metres	M. Lukasak ICH 84 0:05:25	Jim Belardi USA 91 0:05:27	James Belardi USA 92 0:05:18	Bob Galles USA 88 02:23:05	John Coeveyich AUS 93 02:27:56	Robert Probsting USA 92 02:48:98	John Masters USA 90 03:00:99	John Masters USA 91 03:08:79	John Masters USA 91 03:16:90	John Masters USA 91 03:32:90	John Masters USA 91 03:43:56	Anton Carter USA 92 04:25:69	Anton Carter USA 92 05:11:48	Frank Griffiths AUS 89 05:59:36	Frank Griffiths AUS 89 06:47:72	Tom Lane USA 89 06:47:72	
MEDLEY																	
200 metres	Cameron Reid USA 87 0:26:21	David Lundberg USA 91 0:29:69	Mark Schuman USA 92 02:16:49	Rick Colella USA 92 02:18:92	Bob Monson USA 92 02:24:39	Drury Galligher USA 89 02:34:57	Peter Powellson USA 91 02:51:41	Kelley Lemmon USA 87 03:11:42	Ray Taft USA 89 03:30:50	Kelley Lemmon USA 87 04:20:72	Frank Griffiths AUS 89 05:32:20	Frank Griffiths AUS 89 05:32:20	Frank Griffiths AUS 89 05:32:20	Frank Griffiths AUS 89 05:32:20	Frank Griffiths AUS 89 05:32:20	Tom Lane USA 89 05:32:20	
400 metres	Cameron Reid USA 87 0:34:08	David Lundberg USA 91 0:40:44	James Belardi USA 92 04:55:13	Rick Colella USA 92 04:57:46	Bob Monson USA 92 05:12:03	Edward Cazzett USA 92 05:29:35	Bob Monson USA 90 05:53:53	Graham Johnston USA 91 06:04:99	Ray Taft USA 89 06:37:79	Ray Taft USA 89 07:33:32	Anton Carter USA 92 07:33:32	Anton Carter USA 92 12:27:27	Anton Carter USA 92 12:27:27	Anton Carter USA 92 12:27:27	Anton Carter USA 92 12:27:27	Anton Carter USA 92 12:27:27	



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

	100 years +	120 years +	160 years +	200 years +	240 years +	280 years +	320 years +
Women's Freestyle 4 X 50 metres	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 Arlene Proebsting Della Sehorn Laura Val 02:09:35	HOLMES USA 88 02:28:24	HOLMES USA 88 03:09:01	
Women's Medley 4 x 50 metres	HOLMES USA 88 Beth Mauer Dab Walker Tish Bucher Mary Holmes 02:06:67	HOLMES USA 88 02:08:21	ROCKY MOUNTAIN USA 92 Sharon Lahey Cathy Drozda Judy Reed Marcy Bullock 02:15:86	NEUK GER 92 Brigitte Merten Monika Senftleben Heidi Kampschulte Marga Schulze 02:27:18	HOLMES USA 88 02:51:82	MANLY AUSSI AUS 92 Elizabeth Wallis Betty Callaghan Eileen Price Lilian Johnson 03:37:44	
Men's Freestyle 4 x 50 metres	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. Miltenberger Richard Abrahams Timothy Garton 01:39:27	THE OLYMPIC CLUB USA 92 Robert Strand Donald Hill James Elder Bob Momsen 01:47:65	GOST USA 92 Thomas Olander Sid Hall Keith Carter John Florence 01:58:54	SHUEI JPN 92 Suichi Murayama Jujo Tsubota Isamu Tamura Keiji Nakamura 02:10:18	LONG BEACH USA 92 Don Neefe John Glenn Lionel Pereira Woody Bowerstock 02:59:65
Men's Medley 4 x 50 metres	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	HOLMES USA 90 James Lilley C. Miltenberger Richard Abrahams Timothy Garton 01:49:57	THE OLYMPIC CLUB USA 92 James Beglinger Robert Strand Steve Clark Donald Hill 02:00:25	LINCOLN USA 91 George Gandsey Bill Mulliken Paul Huttinger Sam Koolstra 02:21:20	OREGON USA 92 Floyd Elliott Bob Morrison Andrew Holden Gerald Huestis 02:34:57	LONG BEACH USA 92 Don Neefe John Glenn Woody Bowersack Lionel Pereira 03:58:-
Mixed Freestyle 4 x 50 metres	HOLMES USA 88 01:43:89	HOLMES USA 88 01:44:83	ROCKY MOUNTAIN USA 92 Cathy Drozda Judy Reed Tom Whatley Richard Abrahams 01:47:46	LOS ALTOS USA 92 Edward Cazalet Carolyn Boak Arlene Proebsting Robert Proebsting 01:58:15	HOLMES USA 88 02:09:67	OREGON USA 92 Gerald Huestis Andrew Holden Pete Smith Pauline Stangel 02:31:29	PNA USA 92 Lee Holm Marion Mueller Jim Penfield Allan Sachs 03:46:53
Mixed Medley 4 x 50 metres	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 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 Haartz Win Wilson Diane Reed 02:29:30	HOLMES USA 88 02:37:98	INDIAN RIVER USA 92 Peter Jurezyk Gil Spear Anne Wilder Meredith Scanlon 04:32:41

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

	100 years +	120 years +	160 years +	200 years +	240 years +	280 years +	320 years +
Women's Freestyle 4 X 50 metres	SLAM USA 89 Susan Richmond Catherine Kohn Leslie Cooper Jeanne Hanisch 01:58:02	SLAM USA 89 Susan Richmond Catherine Kohn Leslie Cooper Jeanne Hanisch 01:58:02	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	SOKL HELLAS SWE 89 Kerstin Gjores Kristina Vadem Marianne Grane Ann-Mari Germant 02:42:57	HESTON GBR 92 Dorothy Williams Dorothy Weston Edith Hewitt Valerie Hardman 03:10:22	
Women's Medley 4 x 50 metres	SWISS COTTAGE GBR 91 Sue Goldsworthy Alyson Jones Caroline Horden Tamsin Jaggs 02:11:99	SWISS COTTAGE GBR 91 Sue Goldsworthy Alyson Jones Caroline Horden Tamsin Jaggs 02:11:99	S.G. NEUKOLLN GER 90 Sabine Felgenträger Monika Senftleben Brigitte Merten Ruth Stubert 02:18:65	S.G. NEUKOLLN GER 91 Siegrid Kurtz Monika Senftleben Brigitte Merten Marga Schulz 02:29:96	WEST COUNTY Y USA 92 Regan Kenner Carol Taylor Ardeth Mueller Jean Schnorbus 02:52:00	MANLY AUS 91 Elizabeth Wallis Betty Callaghan Eileen Price Lilian Johnson 03:28:26	
Men's Freestyle 4 x 50 metres	BARNET COPTHALL GBR 92 Mark Matthews Andy Cotter Jim Hobson Kevin Frost 01:35:91	BAYLOR LSTAR USA 92 Richard Hess Doug Moyle 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 Olle Nyman Arne Julner 02:11:80	SC POSEIDON GER 92 Karl Wittenberg Fritz Monke Rudolph Schubert Arnold Schubler 03:14:13
Men's Medley 4 x 50 metres	B.C. COPTHALL GBR 92 Andy Cotter Tim Hobson 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 Boca Robert Proebsting John Richards 02:02:44	KOCHIKUUKO JPN 93 Akihiko Yabee 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
Mixed Freestyle 4 x 50 metres	JARFALLA SWE 90 01:46:19	TEXAS USA 89 Leslie Osborne Larry Wood Gail Meakins Mel Nash 01:48:60	GIMSA USA 89 Bill Vickery Sharon Wise Sally Hasbrook Bill Wood 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
Mixed Medley 4 x 50 metres	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. Felgenträger Monika Senftleben Manfred Brock B. Schlurke 02:12:50	LOS ALTOS USA 91 Della Sehorn John Richards Laural Val Jay Craddock 02:32:46	CONNECTICUT USA 92 Nancy Phillips Roger Chamberlain Ronnie Kamphausen Harry Bartlett 03:06:67	SAN MATEO USA 91 Joe Kaufman Hilda Buel Ray Taft Margaret Keil 04:23:02



Summary FINA Masters World Records - Dated 1st May 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 +
Long Course Women's	50m Free	00:26.68	00:26.37	00:27.38	00:28.05	00:29.08	00:30.04	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	01:12.34	01:14.25	01:16.84	01:28.07	01:39.28	01:39.30	02:07.61	04:08.22
	200m Free	02:07.11	02:07.84	02:09.33	02:21.09	02:24.24	02:32.25	02:42.04	02:50.03	02:48.51	03:21.01	03:52.90	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	05:36.66	06:02.28	06:05.22	07:15.99	08:04.16	08:23.50	13:22.48	
	800m Free	09:18.43	09:16.82	09:24.54	10:07.92	10:48.41	10:58.47	11:30.97	12:19.35	12:27.60	15:04.91	16:33.41	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	23:45.76	24:07.05	28:46.45	31:46.49	33:59.65	52:15.77	
Long Course Men's	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	01:21.01	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	02:26.99	02:35.44	02:45.63	02:50.27	02:51.11	02:59.18	03:15:92	03:17.12	03:47.59	04:07.44	04:22.89	04:47.82	10:47.76
	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	00:47.05	00:49.57	00:52.90	01:04.36	01:28.69	
	100m Breast	01:16.05	01:14.52	01:17.44	01:21.73	01:26.28	01:28.83	01:29.88	01:38.72	01:42.84	01:52.88	02:07.86	02:22.79	03:18.97	
	200m Breast	02:42.02	02:48.41	02:53.64	03:01.46	03:09.19	03:14.70	03:18.11	03:35.36	03:45.71	04:06.80	04:36.72	05:07.83	07:45.92	
	50m Fly	00:28.79	00:29.22	00:29.27	00:30.13	00:30.74	00:32.76	00:35.29	00:38.54	00:43.35	00:46.55	00:57.22	01:13.71	01:27.77	
	100m Fly	01:03.91	01:06.08	01:05.39	01:06.27	01:12.67	01:15.47	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	02:37.26	02:43.49	02:46.91	02:54.57	03:06.11	03:17.40	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	05:45.58	05:54.98	06:12.08	06:42.05	06:59.45	07:09.69	08:33.57	09:11.23	10:05.13	14:20.65	
Long Course Women's	50m Free	00:22.59	00:23.21	00:24.58	00:24.93	00:25.30	00:26.16	00:27.42	00:27.86	00:28.94	00:29.35	00:32.50	00:36.62	00:44.65	00:59.88
	100m Free	00:51.25	00:51.50	00:54.28	00:56.01	00:57.04	00:59.25	01:01.95	01:02.80	01:08.15	01:11.61	01:14.86	01:28.22	01:43.03	02:14.06
	200m Free	01:52.17	01:54.04	01:57.95	02:04.82	02:07.18	02:10.45	02:21.33	02:32.90	02:44.86	02:53.73	03:31.79	03:48.91	06:03.12	
	400m Free	04:06.99	04:08.70	04:15.49	04:26.60	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	
	800m Free	08:36.83	08:46.99	08:52.22	09:19.37	09:31.38	09:55.59	10:27.06	10:36.09	11:35.97	12:34.22	13:35.96	15:48.62	17:11.21	
	1500m Free	16:28.69	16:42.26	17:26.29	17:30.13	18:34.73	19:28.41	19:54.72	20:06.80	22:29.32	23:59.01	25:41.55	28:54.95	33:08.42	52:41.53
Long Course Men's	50m Back	00:27.39	00:27.32	00:28.04	00:29.38	00:30.67	00:30.93	00:32.94	00:34.39	00:35.47	00:37.49	00:40.47	00:45.69	00:59.15	01:16.30
	100m Back	00:58.24	01:00.19	01:01.60	01:03.39	01:06.00	01:10.14	01:13.15	01:16.38	01:20.74	01:25.35	01:32.92	01:45.37	02:18.74	03:19.14
	200m Back	02:07.57	02:11.77	02:13.83	02:18.17	02:26.91	02:34.01	02:42.37	02:49.36	02:55.46	03:13.25	03:25.93	03:58.25	05:08.97	08:59.53
	50m Breast	00:29.88	00:29.42	00:30.79	00:30.82	00:32.76	00:33.38	00:33.30	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	01:21.87	01:21.58	01:28.91	01:33.20	01:39.69	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	03:32.90	03:44.71	04:25.69	05:09.86	
	50m Fly	00:25.16	00:25.31	00:26.35	00:27.04	00:27.12	00:28.63	00:30.17	00:31.66	00:33.34	00:35.65	00:41.25	00:52.05	00:59.50	
	100m Fly	00:56.34	00:56.64	00:58.08	01:02.05	01:02.84	01:05.83	01:10.28	01:17.39	01:20.59	01:32.85	01:39.80	02:21.06	03:23.06	
	200m Fly	02:05.25	02:07.71	02:09.18	02:23.05	02:27.56	02:33.79	02:48.98	03:00.99	03:08.79	03:38.48	03:43.56	05:11.48		
	200m Medley	02:09.21	02:09.69	02:16.49	02:18.92	02:24.39	02:34.67	02:43.57	02:51.41	03:02.81	03:11.42	03:30.50	04:20.72	05:33.20	
	400m Medley	04:34.08	04:40.44	04:55.13	04:57.46	05:12.03	05:29.95	05:53.53	06:04.99	06:37.79	06:59.24	07:33.32	09:47.72	12:27.27	
Short Course Women's	50m Free	00:26.93	00:26.55	00:26.47	00:28.25	00:29.73	00:30.48	00:31.83	00:33.54	00:34.92	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	01:31.84	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	02:49.55	03:02.54	03:27.01	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	06:02.43	06:13.42	07:17.22	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	12:21.67	12:35.26	15:06.99	16:20.48	18:11.90	24:05.34	
	1500m Free	17:30.18	17:41.61	18:27.71	19:00.81	22:18.64	21:44.35	21:35.84	23:28.15	23:38.44	28:29.85	33:53.33	35:07.91		
Short Course Men's	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	01:20.50	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	02:17.66	02:32.32	02:34.09	02:51.16	02:48.88	03:00.66	03:16.14	03:15.72	03:53.86	04:00.43	04:38.53	06:00:16		
	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	00:58.41	01:05.64	01:37.05	01:49.01
	100m Breast	01:13.60	01:18.13	01:16.70	01:22.19	01:23.49	01:25.73	01:28.13	01:37.78	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	04:35.24	05:00:63		
	50m Fly	00:29.48	00:30.20	00:30.05	00:30.18	00:32.97	00:35.23	00:37:50	00:38:40	00:44.27	00:48:27	00:59:09	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	01:27.88	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	02:28.96	02:32.19	02:37:88	03:11:83	03:11:42	03:21:73	03:38:65	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	01:24.19	01:27.50	01:37:07	01:43:67	02:00:07	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	03:05:23	03:14:28	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	05:56:24	06:36:03	06:50:55	07:33:72	08:34:79	09:07:66	09:50:43	15:34:06	
Short Course Men's	50m Free	00:23.16	00:22.82	00:23.98	00:24.91	00:25.10	00:26.35	00:26.60	00:28:30	00:29:63	00:31:01	00:32:78	00:37:75	00:44:61	00:50:57
	100m Free	00:51.62	00:50.51	00:53.94	00:55.35	00:56.45	00:59.21	01:00.08	01:05.52	01:07:13	01:12.57	01:15.94	01:27.87	01:41.4	

FINA Masters World Records - Women's Short Course Metres - Dated 1st May 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
FREESTYLE														
50 metres	Liz Fabrizio USA 89 06:26:93	Sandy Neilson USA 87 06:26:55	Sandy Neilson USA 92 06:26:47	Laura Val USA 92 00:28:25	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	M. Cunningham ALIS 90 00:34:92	Doreen Cape GBR 92 00:38:95	Hatsuhiko Sugaya JPN 91 00:42:88	Julia Dolce USA 89 00:46:76	Marian McKechnie USA 89 01:03:78	Vera Fernance AUS 89 02:06:85
100 metres	Monique Rodahl NZL 89 04:58:93	Sandy Neilson USA 88 04:57:35	Sandy Neilson USA 92 01:10:29	Laura Val USA 91 01:01:15	Susan Shrimpton GBR 92 01:15:35	Ardeth Mueller USA 91 01:16:41	Jayne Bruner USA 89 01:17:63	Jane Asher GBR 91 01:15:88	Clara Walker USA 91 01:20:80	Louise Donovan USA 88 01:31:84	Vivian Cherriman USA 91 01:45:53	Julia Dolce USA 89 01:53:70	Marian 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	Jack Hirsty USA 88 02:12:69	Laura Val USA 92 02:14:32	Ardeth Mueller USA 87 02:28:68	Nancy Ridout USA 91 02:27:95	Lavelle Stanhoff USA 89 02:41:27	Jane Asher GBR 91 02:49:55	M. Cunningham ALIS 90 03:02:54	Dorothy Donnelly USA 92 03:27:01	Ume Wada JPN 90 03:50:58	Julia Dolce USA 89 04:17:73	Marian McKechnie USA 89 05:33:88	
400 metres	Lynn Marshall CAN 91 04:25:94	Lynn Marshall CAN 92 04:30:59	Barbara Dunbar USA 93 04:46:93	Barbara Dunbar USA 92 04:50:68	Sandra O'Neill GBR 92 05:16:35	Ardeth Mueller USA 91 05:12:43	Lavelle Stanhoff USA 89 05:34:32	Clara Walker USA 87 06:02:43	Clara Walker USA 87 06:13:42	Rita Simonton USA 88 06:17:22	Vivian Cherriman GBR 86 07:56:05	Maxine Merlino USA 92 08:48:24		
800 metres	Diane Grainer USA 90 09:09:90	Lynn Marshall CAN 91 09:09:90	Laura Val USA 87 09:46:95	Barbara Dunbar USA 91 10:04:16	Sandra O'Neill GBR 92 10:51:84	Nancy Ridout USA 92 11:20:21	Lavelle Stanhoff USA 89 11:21:99	Clara Walker USA 90 12:21:56	Rita Simonton USA 88 12:35:26	Audrey Etienne USA 89 13:06:99	Vivian Cherriman GBR 87 16:20:48	Maxine Merlino USA 92 18:11:90	Marian McKechnie USA 92 24:05:34	
1500 metres	Karen Burton USA 91 17:30:18	Lynn Marshall CAN 92 17:41:61	Laura Val USA 87 18:27:71	Barbara Dunbar USA 90 18:30:81	Pat Maley USA 90 21:44:35	Lavelle Stanhoff USA 87 21:44:35	Lavelle Stanhoff USA 89 21:38:84	Clara Walker USA 90 22:28:15	Clara Walker USA 90 23:38:44	Rita Simonton USA 88 23:28:85	Maxine Merlino USA 92 33:53:33	Maxine Merlino USA 92 35:07:91		
BACKSTROKE														
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	Saito Takeji JPN 88 00:35:43	Saito Takeji JPN 88 00:35:96	Betsy Jordan USA 92 00:39:52	Clara Walker USA 92 00:39:60	Doris Steadman USA 89 00:40:48	Willy Van Rysel GBR 87 00:48:06	Maxine Merlino USA 92 00:58:47	Vera Fernance AUS 89 01:13:57		01:55:07
100 metres	Diane Grainer M. Oliver-Sexsmith CAN 92 01:10:47	Pat Gilmore CAN 88 01:10:47	Laura Val USA 92 01:10:94	Pat Gilmore CAN 88 01:17:13	Saito Takeji JPN 88 01:17:13	Ardeth Mueller USA 91 01:20:50	Betsy Jordan USA 92 01:21:90	Clara Walker USA 92 01:29:13	Doris Steadman USA 89 01:30:41	Willy Van Rysel GBR 91 01:44:02	Ume Wada JPN 92 02:06:55	Anna Bauscher USA 89 01:48:13	Vera Fernance AUS 90 02:52:17	04:19:46
200 metres	J. De Rover NED 92 02:17:86	Zena Hermann USA 91 02:32:32	Laura Val USA 91 02:34:09	Gillian Cackett GBR 91 02:51:16	Sandra O'Neill USA 92 02:48:48	Ardeth Mueller USA 91 02:51:16	Betsy Jordan USA 92 03:00:56	Doris Steadman USA 88 03:16:14	Doris Steadman USA 89 03:15:72	Willy Van Rysel GBR 91 04:04:43	Maxine Merlino USA 92 04:38:53	Marian McKechnie USA 89 06:00:16		
BREASTSTROKE														
50 metres	Ria Willemse NED 90 00:33:60	Dagmar Hilbig GER 92 00:33:74	Leslie Osborne USA 89 00:34:63	Gillian Bromwich GBR 92 00:37:64	Saito Takeji JPN 92 00:38:67	Saito Takeji JPN 92 00:38:82	Edith Boehm GER 90 00:42:02	B. Christian USA 89 00:47:39	Ingeborg Fritze GER 92 00:50:53	Dorothy Weston GBR 90 00:58:41	Maxine Merlino USA 92 01:05:54	Katherine Peitton USA 90 01:37:05	Doris Venning NZL 91 01:49:01	
100 metres	Ria Willemse NED 90 01:13:60	Lisa Bennett USA 89 01:18:13	Leslie Osborne USA 89 01:16:70	Elaine Bromwich GBR 92 00:37:64	Carolyn Boak USA 92 01:23:49	Erma Loskamp NED 92 01:25:73	L. Bonnier NED 90 01:28:13	Ann Piscotta USA 92 01:37:78	Ingeborg Fritze GER 91 01:43:57	Emmi Paulli GER 91 01:54:84	Maxine Merlino USA 92 02:00:27	Katherine Peitton USA 90 03:09:52	Doris Venning NZL 91 04:05:59	
200 metres	B. Steinhoff GER 90 02:44:82	Ester Isoppi SUI 89 02:49:16	Leslie Osborne USA 89 02:50:53	Gillian Cackett GBR 92 00:37:64	Gayle Bentz USA 92 01:22:19	Carolyn Boak USA 92 01:23:49	Flora Connolly GBR 90 01:27:88	Judie Oliver CAN 92 01:31:43	Judie Oliver CAN 92 01:38:74	Gertrud Zint USA 88 02:04:25	Maxine Merlino USA 92 02:12:17	Katherine Peitton USA 90 03:09:52		
BUTTERFLY														
50 metres	A. Eriksson SWE 92 00:29:46	S. Neilson-Bell USA 88 00:30:20	Laura Val USA 91 00:30:05	Judy Wilson GBR 92 00:32:97	Erma Loskamp NED 92 00:35:23	Judy Wilson GBR 92 00:35:96	Erma Loskamp NED 92 00:38:67	Betsy Jordan USA 92 00:38:40	June Krauser USA 91 01:31:43	Gertrud Zint USA 88 01:43:57	Maxine Merlino USA 92 02:00:27	Katherine Peitton USA 90 02:45:04	Katharine Peitton USA 90 02:45:23	
100 metres	S. McDonald GER 86 01:05:71	Rebecca Perrott NZL 91 01:04:69	Marla Velikonia USA 93 01:07:28	Laura Val USA 91 01:07:59	Judy Wilson GBR 92 01:14:85	Ardeth Mueller USA 91 01:12:66	Flora Connolly GBR 89 01:27:88	Judie Oliver CAN 92 01:31:42	June Krauser USA 92 01:38:74	Judie Oliver CAN 92 02:11:73	Maxine Merlino USA 88 04:48:50	Katherine Peitton USA 90 05:22:55	Katharine Peitton USA 90 05:00:63	
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 92 02:32:19	Ginger Pearson USA 91 02:34:09	Erma Loskamp NED 92 03:08:87	Flora Connolly GBR 90 03:11:42	Judie Oliver CAN 92 03:29:39	June Krauser USA 92 03:38:65	Judie Oliver CAN 92 04:04:41	Maxine Merlino USA 88 04:35:24	Katherine Peitton USA 90 07:15:07		
MEDLEY														
100 metres	Monique Rodahl NZL 89 01:56:84	Sandy Neilson USA 88 01:57:78	Sandy Neilson Bell USA 87 02:01:15	Laura Val USA 92 01:16:65	Judy Wilson GBR 92 01:14:41	Ardeth Mueller USA 91 01:18:05	Jayne Bruner USA 89 01:24:19	Jane Asher GBR 91 01:37:50	June Krauser USA 91 01:37:07	Catherine Kerr CAN 91 01:44:27	Kay Schimpf USA 92 01:58:09	Maxine Merlino USA 92 02:00:07	Katherine Peitton USA 90 02:24:53	
200 metres	Diane Grainer USA 89 02:24:07	Sandy Neilson USA 87 02:27:11	Marla Velikonia USA 93 02:31:39	Laura Val USA 92 02:33:89	Judy Wilson GBR 92 02:42:88	Ardeth Mueller USA 91 02:57:65	Flora Connolly GBR 90 03:05:23	Clara Walker USA 90 03:14:28	Clara Walker USA 91 03:18:77	Dorothy Donnelly USA 91 04:01:01	Maxine Merlino USA 88 04:17:89	Katherine Peitton USA 90 05:20:55	Anna Bauscher USA 89 09:49:36	
400 metres	S. Palmer-White AUS 91 05:06:88	Rebecca Perrott NZL 91 05:13:69	Karen Fansworth USA 91 05:30:35	Laura Val USA 92 05:32:53	Ardeth Mueller USA 91 05:55:35	Judy Wilson GBR 90 05:56:24	Flora Connolly GBR 90 06:38:03	Judie Oliver CAN 92 06:50:55	Della Sehorn USA 92 07:33:72	Rita Simonton USA 88 08:34:79	Maxine Merlino USA 92 09:50:43	Katherine Peitton USA 91 15:34:06		



FINA Masters World Records - Men's Short Course Metres - Dated 1st May 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
FREESTYLE 50 metres	Robert Peel USA 91 00:23:16	Rowdy Gaines JPN 89 00:22:82	Bill Vickery USA 89 00:23:98	Andy McPherson USA 88 00:24:91	Andy McPherson USA 88 00:25:10	Jeff Farrell USA 88 00:26:35	Donald Hill USA 89 00:28:30	S. Tamamoto JPN 91 00:28:63	Frank Piemme USA 90 00:32:30	Jack Hale GBR 92 00:31:01	Kelley Lemmon USA 88 00:32:78	R. Reinhardt GER 93 00:37:75	Gus Langner USA 89 00:44:61	L. Sparrius AUS 90 00:50:57
100 metres	Roland Lee GBR 92 00:51:62	Rowdy Gaines JPN 89 00:50:51	Bill Vickery USA 89 00:53:94	Andy McPherson USA 88 00:55:35	Andy McPherson USA 92 00:56:45	Peter Bergengren SWE 90 00:59:21	Donald Hill USA 89 01:00:08	Charles Baldwin USA 90 01:05:32	Frank Piemme USA 90 01:07:13	John Richards USA 92 01:12:57	Kelley Lemmon USA 88 01:15:94	Gerson Sobel USA 91 01:27:87	Gus Langner USA 89 01:41:46	Paul Spangler USA 90 02:49:33
200 metres	Roland Lee GBR 92 01:53:82	Rowdy Gaines JPN 89 01:50:91	Larry Wood USA 89 01:59:38	Timothy Broderick USA 92 01:59:27	Ed Cazalet USA 88 02:05:81	Ed Cazalet USA 92 02:12:18	Kazuya Nishino JPN 93 02:17:95	Graham Johnston USA 91 02:21:77	Frank Piemme USA 90 02:36:10	Ray Tait USA 89 02:46:86	Dexter Woodford USA 89 02:59:20	Dexter Woodford USA 89 03:22:37	Gus Langner USA 89 03:48:20	Paul Spangler USA 89 05:51:45
400 metres	G. Walbourn CAN 86 04:04:50	Rowdy Gaines JPN 89 04:02:66	Rob Copeland USA 91 04:18:22	Kevin Polansky USA 89 04:18:45	Angus Edghill BAR 91 04:29:82	Angus Edghill BAR 91 04:40:16	Kazuya Nishino JPN 92 04:59:35	Graham Johnston USA 92 05:03:13	Ed Kerswill USA 92 05:37:93	Ed Kerswill USA 91 05:56:06	F. Lough AUS 86 06:23:81	Gus Langner USA 88 07:45:20	Gus Langner USA 88 07:54:24	Paul Spangler USA 89 11:09:76
800 metres	T. Lennartsson SWE 92 06:29:19	Dan Stephenson USA 89 08:34:26	Sandy McDonald USA 92 08:34:26	Kevin Polansky USA 89 09:31:20	Angus Edghill BAR 91 09:35:18	Angus Edghill BAR 91 10:04:02	Graham Johnston USA 92 10:35:62	William Phillips USA 89 11:14:13	Ed Kerswill USA 92 11:51:42	Ed Kerswill USA 91 12:15:49	Ray Tait USA 89 13:17:26	Dexter Woodford USA 89 15:07:97	Gus Langner USA 92 15:53:90	Paul Spangler USA 90 15:43:20
1500 metres	Rob Mackie USA 92 17:05:25	Steven Fisher USA 92 17:05:25	Rob Copeland USA 91 17:25:79	David Gray USA 87 17:38:17	Mike Wike USA 91 18:10:24	Burwell Jones USA 90 19:04:02	Mike Wike USA 91 19:04:02	Win Wilson USA 90 21:46:58	Frank Piemme USA 92 22:19:38	Aldo Da Rosa USA 88 23:59:12	Norbert Arius CAN 91 25:15:05	Gus Langner USA 88 25:58:32	Gus Langner USA 88 32:20:20	Paul Spangler USA 90 32:20:20
BACKSTROKE 50 metres	M. Rhodenbaugh USA 92 00:26:85	J. Clay Britt USA 91 00:27:18	Mei Nash USA 89 00:28:05	Jerry Heidenreich USA 91 00:28:93	Robert Smith USA 91 00:31:42	Robert Smith USA 91 00:32:43	John Smith USA 89 00:34:81	Graham Suites GBF 92 00:36:36	Paul Hurlinger USA 90 00:38:97	Paul Hurlinger USA 90 00:38:97	Rudi Schubert GER 93 00:45:93	Rudi Schubert GER 93 00:56:86	Tom Lane USA 89 01:29:59	Rudi Schubert GER 93 01:50:16
100 metres	Mark Matthews GBR 92 00:58:15	J. Clay Britt USA 91 00:58:12	Thomas Wolf USA 90 01:01:45	Ric Cooley USA 89 01:04:50	Robert Smith USA 89 01:05:31	Barry Young NZL 90 01:09:38	Barry Young NZL 90 01:12:17	Yoshi Oyakawa USA 89 01:12:17	Roger Franks USA 92 01:21:06	Ray Tait USA 89 01:24:30	Norris Fluke USA 93 01:34:08	R. Reinhardt GER 93 01:44:14	Herb Eisenschmidt ITA 91 02:13:02	Herb Eisenschmidt ITA 91 02:13:02
200 metres	Darryl Follows NZL 93 02:04:07	James Fowler USA 92 02:11:19	Thomas Wolf USA 90 02:15:47	Tod Spieler USA 89 02:22:17	Tim Birne USA 92 02:24:39	Tim Birne USA 92 02:30:21	Bob Berry USA 92 02:41:11	Bob Berry USA 92 02:48:78	Bob Berry USA 92 02:55:83	Edward Shee USA 91 03:07:57	Edward Shee USA 91 03:27:78	Joe Kaufman USA 92 04:31:12	Joe Kaufman USA 92 05:21:56	Tom Lane USA 89 05:56:86
BREASTSTROKE 50 metres	Guy Farrow AUS 90 00:28:81	G. Christiansen JPN 91 01:05:97	Yoshihiko Kagami JPN 92 00:30:03	Paul Henne USA 89 00:31:33	K. Wittenhout NED 91 00:31:95	Hiroshi Kotegawa JPN 90 00:33:09	Joe Kurtzman USA 91 00:33:47	Walter Minnich GER 90 00:38:48	Walter Minnich GER 90 00:40:02	Walter Minnich GER 90 00:42:59	Rudi Schubert GER 93 00:45:52	Rudi Schubert GER 93 01:50:16	Rudi Schubert GER 93 01:50:16	Rudi Schubert GER 93 01:50:16
100 metres	Frank Vlijmer NED 91 01:04:49	G. Christiansen JPN 91 01:05:97	Gerd Kruger GER 90 01:08:30	Toshiharu Fujii JPN 92 01:10:61	Robert Strand USA 92 01:10:41	Drury Gallagher USA 89 01:14:72	Manuel Sanguily USA 88 01:16:32	Donald Vanross GER 90 01:23:19	Aldo Da Rosa USA 88 01:23:13	Aldo Da Rosa USA 88 01:37:39	Lombard Enzo ITA 93 02:04:00	Gus Langner USA 89 02:31:20	Gus Langner USA 89 02:31:20	Gus Langner USA 89 02:31:20
200 metres	Peter McClarferity USA 89 02:24:68	G. Christiansen JPN 91 02:24:92	Rafael Hernandez MEX 89 02:28:35	Greg Harrison USA 89 02:38:16	Robert Strand USA 92 02:35:71	Drury Gallagher USA 88 02:45:11	Manuel Sanguily USA 88 02:51:47	Brunko Strelja ITA 91 03:05:66	Aldo Da Rosa USA 90 03:24:66	Aldo Da Rosa USA 90 03:36:71	Lombard Enzo ITA 93 04:32:90	Gus Langner USA 89 05:30:76	Gus Langner USA 89 05:30:76	Gus Langner USA 89 05:30:76
BUTTERFLY 50 metres	James Illey USA 89 00:25:77	Michael Bottom USA 89 00:25:06	Richard Hess USA 91 00:25:96	John Heidenreich USA 91 00:26:67	Dan Thompson USA 92 00:27:46	Koji Iwamoto JPN 93 00:28:83	Robert Bailee USA 90 00:30:15	Hiroto Kato JPN 91 00:32:09	Jack Hale GBR 92 00:35:35	Jack Hale GBR 92 00:42:10	Karl Wittberg GER 91 00:45:52	Karl Wittberg GER 91 01:50:16	Abe Olanooff USA 91 01:21:30	Abe Olanooff USA 91 01:21:30
100 metres	Brad Wells USA 89 00:57:07	Michael Bottom USA 89 00:56:43	Stuart Corliss USA 92 01:00:50	Andy McPherson USA 89 01:00:79	Gary Langendoen USA 93 01:03:48	Koji Iwamoto JPN 93 01:05:23	Wally Dolber USA 90 01:13:47	Jack Hale GBR 86 01:16:56	Jack Hale GBR 92 01:27:28	Jack Hale GBR 92 01:27:28	Jesse Coon USA 91 01:36:80	Jesse Coon USA 91 02:07:29	Jesse Coon USA 91 02:07:29	Jesse Coon USA 91 02:07:29
200 metres	P. Shackley ENG 90 02:07:65	R. Mark Schuman USA 88 02:13:62	Boo Gallias USA 92 02:16:15	Andy McPherson USA 92 02:25:95	Koji Iwamoto JPN 92 02:29:99	Manuel Sanguily USA 88 02:33:71	Charles Moss USA 89 03:06:04	Anton Carter USA 91 03:13:03	Paul Kruip USA 92 03:13:97	Paul Kruip USA 92 03:13:97	Jesse Coon USA 91 03:49:00	Jesse Coon USA 91 03:49:00	Jesse Coon USA 91 03:49:00	Jesse Coon USA 91 03:49:00
MEDLEY 100 metres	Guy Farrow AUS 90 00:57:70	J. Clay Britt USA 92 00:59:95	Richard Hess USA 92 01:00:79	Ric Cooley USA 89 01:02:30	Robert Strand USA 92 01:05:45	Drury Gallagher USA 89 01:12:57	Burwell Jones USA 88 01:15:84	Hiroto Kato JPN 91 01:21:87	Rey Tait USA 86 01:29:20	Rey Tait USA 86 01:32:84	R. Reinhardt GER 93 01:49:08	R. Reinhardt GER 93 02:23:03	Herb Eisenschmidt ITA 93 02:23:03	Herb Eisenschmidt ITA 93 02:23:03
200 metres	Roland Lee GBR 91 02:10:85	Toby Weissert USA 88 02:12:33	Clay Evans USA 89 02:15:67	John Calvert USA 89 02:18:73	John Calvert USA 91 02:24:45	Drury Gallagher USA 89 02:31:52	Burwell Jones USA 90 02:41:86	Joe Kurtzman USA 91 01:21:66	Rey Tait USA 86 01:38:13	Rey Tait USA 86 01:42:14	R. Yamashiki JPN 92 02:24:04	R. Yamashiki JPN 92 02:24:04	Herb Eisenschmidt ITA 93 02:24:04	Herb Eisenschmidt ITA 93 02:24:04
400 metres	David Swanson USA 92 04:42:88	Allan Jegers USA 92 04:43:16	Clay Evans USA 89 04:53:16	John Calvert USA 89 05:00:76	Ed Cazalet USA 89 05:17:02	Drury Gallagher USA 88 05:20:81	Burwell Jones USA 88 05:45:37	Frank Piemme USA 90 06:42:13	Rey Tait USA 86 06:50:27	Rey Tait USA 86 06:50:27	Aldo Da Rosa USA 92 07:20:86	Aldo Da Rosa USA 92 07:20:86	Herb Eisenschmidt ITA 93 07:20:86	Herb Eisenschmidt ITA 93 07:20:86



The FINA Masters Swimming Committee, appointed for the 1992-1996 period, met for the first time in Montreal, Canada, in October 1992.

From left - Back Row: Birger Kivela (Finland), Daniel Marzeroli (Uruguay), Niane Sadate (Senegal).

Middle row: Tom Logan (New Zealand), Arthur Knudsen (Norway), Lin Min Shan (Chinese Taipei), Don Blew (Australia), Sergei Fesenko (Ukraine).

Front row: Bruce Rogers - Secretary (Canada), Artie Shaw - Bureau Liaison (New Zealand), June Krauser (United States),

Doug Scales - Chairman (Great Britain), Julio Maglione - FINA Hon. Treasurer (Uruguay).

CALENDAR OF MASTERS OPEN EVENTS NATIONAL & INTERNATIONAL

1993

July	8-11	HUMU International Masters Swimming Championships
	17-18	Finish Masters Diving Championships
	10	U.S. Masters National 2 Mile Cable Championships
	18	U.S. Masters National 6+ Mile Championships
Aug	19-22	U.S. Masters LC Championships
Sept	12	U.S. Masters National 1.5 - 3 Mile Championships
	18	U.S. Masters National 1 Mile Championships
	24-25	Irish ASA Centenary Irish Masters Championships
	26	Dutch Masters Championships
Oct	23-24	New Zealand North Island Championships

Pool Details							Disciplines				
S	L	M	Y	E	H		S	O	D	W	S
	✓	✓		✓		Honolulu	USA	✓	✓		
						Helsinki	FIN			✓	
						Charlottesville, VA	USA		✓		
						Seal Beach, CA	USA		✓		
	✓	✓		✓		Univ. of Minnesota	USA	✓			
						Lake Michigan	USA		✓		
						Manhattan Beach	USA		✓		
	✓	✓				Cork	IRL	✓			
	✓	✓				Breda	NED	✓			
	✓	✓		✓		Whangarei	NZL	✓			

1994

Mar	22-26	Australian Masters National Championships
April	23-25	New Zealand Masters National Championships
July	4-11	Vth World Masters Championships
Sept	26-8 Oct	World Masters Games

Pool Details							Disciplines				
S	Short Course	O	Swimming	D	Open Water Swimming	W	Diving	S	Water Polo	M	Synchronised Swimming

Note:

Listings in the Calendar are to be 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: (64-7) 575-3625

Pool Details

S Short Course

L Long Course

M Metres

Y Yards

E Electronic Timing

M Manual Timing

Disciplines

S Swimming

O Open Water Swimming

D Diving

W Water Polo

M Synchronised Swimming