



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with columns for time, name, country, and event details. Includes categories like WOMEN 25-29, 30-34, 35-39, 40-44, 45-49, 50 M. FREE, 100 M. FREE, 200 M. FREE, 400 M. FREE, 800 M. FREE, 1500 M. FREE, 2000 M. FREE, 50 M. BRST, 100 M. BRST, 200 M. BRST, 400 M. BRST, 800 M. BRST, 1500 M. BRST, 2000 M. BRST, 50 M. FLY, 100 M. FLY, 200 M. FLY, 400 M. FLY, 800 M. FLY, 1500 M. FLY, 2000 M. FLY, 50 M. BACK, 100 M. BACK, 200 M. BACK, 400 M. BACK, 800 M. BACK, 1500 M. BACK, 2000 M. BACK, 50 M. I.M., 100 M. I.M., 200 M. I.M., 400 M. I.M., 800 M. I.M., 1500 M. I.M., 2000 M. I.M.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with columns for rank, name, country, time, name, country, time, name, country, time. Includes categories like 50 M. FLY, 100 M. BRST, 100 M. FREE, and 400 M. I.M. for various distances.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

2:26.05	LAURA HOODLESS	GBR	100 M.	BRST	5:46.63	HUDDIE MURRAY	USA	34.56	NANCY FISHER	USA	
2:26.31	A.PIJTAK-RADERSMA	NED	1:14.79	MAGGIE KELLY	GBR	5:48.75	EDIE FISHER	CAN	35.03	ANN GUINS	USA
2:26.96	AMANDA HEATH	GBR	1:18.85	JUDY WOODWARD	CAN	5:54.05	GERTI WALLENTIN	GER	35.37	KARLENE WISE	USA
4:00 M.	FREE		1:20.08	AMANDA HEATH	GBR	5:56.83	AROMA MARTORELL	BRA	35.48	ANNE CUMMINS	GBR
4:34.83	SUZANN HEIM-BOWEN	USA	1:20.76	HIROKO ISHII	JPN	6:04.12	ROZ HAMBLETT	GBR	36.68	R BRITTINGHAM	USA
4:58.90	JENNY WHITELEY	AUS	1:21.14	ALISON NYE	GBR	6:04.21	JO ANN HARRELSON	USA	36.86	MARILYN EARP	AUS
4:59.68	KARIN MILGER	GER	1:21.41	JENNY WHITELEY	AUS	6:04.29	KARIN MILGER	GER	37.21	JAN PESAVENTO	USA
5:03.27	JILL JONES	GBR	1:21.61	MELINDA MANN	USA	6:08.49	C.TARANTINO	ITA	37.41	DONNA DALZELL	AUS
5:05.84	KATHERINE BRANCH	USA	1:22.65	LINDA PHILLIPS	GBR				37.52	ANNE CORK	GBR
5:06.33	LAURA HOODLESS	GBR	1:22.93	A.GLYNNE-JONES	GBR				100 M.	BACK	
5:06.63	ESTHER ISEPPI	SUI	1:23.01	URSULA RICHTER	GER				1:13.72	BENEDICTE DUPREZ	FRA
5:09.67	JILL QUIRK	CAN	200 M.	BRST					1:18.18	NANCY FISHER	USA
5:10.83	WANDA BROWN	USA	2:49.01	AMANDA HEATH	GBR	50 M.	FREE		1:18.56	ANNE CORK	GBR
5:11.06	JULIA ALLSTON	AUS	2:51.73	HIROKO ISHII	JPN	28.42	LAURA VAL	USA	1:18.83	KARLENE WISE	USA
800 M.	FREE		2:53.68	JENNY WHITELEY	AUS	28.82	JACKI HIRSTY	USA	1:20.33	JAN PESAVENTO	USA
9:29.90	SUZANN HEIM-BOWEN	USA	2:58.67	GLENISE GALE	AUS	28.83	M.VONRICHTHOFEN	CAN	1:20.48	ANN GUINS	USA
10:03.79	JENNY WHITELEY	AUS	2:59.39	LINDA PHILLIPS	GBR	29.97	DANIELLE OGIER	USA	1:20.69	DENISE KIRWAN	USA
10:24.03	HEIDI CHRISTENSEN	USA	3:00.65	JUDY TIBMA	USA	30.02	C.NIEUWENHUIS	NED	1:21.16	TAKAKO NAKAHARA	JPN
10:32.46	WANDA BROWN	USA	3:01.97	MELINDA MANN	USA	30.21	KARLENE WISE	USA	1:21.90	TAKAKO OKUBO	JPN
10:36.90	HUDDIE MURRAY	USA	3:03.04	AVILA RHODES	CAN	30.30	CONNIE BOER-BUYS	NED	1:22.15	JONELLE SCHMIDT	USA
10:41.28	AMANDA HEATH	GBR	3:03.72	HUDDIE MURRAY	USA	30.57	R BRITTINGHAM	USA	200 M.	BACK	
10:43.46	LAURA HOODLESS	GBR	3:04.01	EDIE FISHER	CAN	30.62	REGULA STEIGER	SUI	2:42.05	BENEDICTE DUPREZ	FRA
10:47.86	KARIN MILGER	GER	50 M.	FLY		30.78	SUE HODGE	GBR	2:42.38	LAURA VAL	USA
10:51.36	S.CRISSELL-FALLA	GBR	30.53	MAGGIE KELLY	GBR	100 M.	FREE		2:45.91	ANNE CORK	GBR
10:55.50	PAM MARTIN	USA	31.39	ANGELA ZINGLER	GER	1:02.00	LAURA VAL	USA	2:46.59	NANCY FISHER	USA
1500 M.	FREE		31.40	JENNIFER LUKER	USA	1:05.09	DANIELLE OGIER	USA	2:50.63	KARLENE WISE	USA
18:02.62	SUZANN HEIM-BOWEN	USA	31.78	DAGMAR HILBIG	GER	1:05.76	CATHY MERRITT	CAN	2:52.35	DENISE KIRWAN	USA
19:04.88	JENNY WHITELEY	AUS	31.80	SUZANN HEIM-BOWEN	USA	1:06.53	M.VON RICHTHOFEN	GER	2:53.79	JAN PESAVENTO	USA
19:53.50	HEIDI CHRISTENSEN	USA	32.08	JENNY WHITELEY	AUS	1:07.00	CONNIE BOER-BUYS	NED	2:56.48	JONELLE SCHMIDT	USA
19:55.23	WANDA BROWN	USA	32.57	AROMA MARTORELL	BRA	1:07.39	C.NIEUWENHUIS	NED	3:00.46	ULRIKE URBANIAK	GER
20:21.47	PAM MARTIN	USA	32.69	JILL QUIRK	CAN	1:07.59	KARLENE WISE	USA	3:02.96	JUNKO IWAMI	JPN
20:23.09	AMANDA HEATH	GBR	32.77	ALISON NYE	GBR	1:08.02	BENEDICTE DUPREZ	FRA	50 M.	BRST	
20:44.63	JAYNE BALL	GBR	32.88	DIANE TURNER	GBR	1:08.04	R BRITTINGHAM	USA	38.01	PETRA SCHROER	GER
20:49.09	JO ANN HARRELSON	USA	100 M.	FLY		1:08.52	SUE HODGE	GBR	38.51	ULRIKE URBANIAK	GER
20:57.91	S.CRISSELL-FALLA	GBR	1:09.78	JENNY WHITELEY	AUS	200 M.	FREE		38.67	BEA POOL	NED
21:00.12	MELINDA SCHMITT	USA	1:10.01	SUZANN HEIM-BOWEN	USA	2:16.99	LAURA VAL	USA	38.73	DANIELLE OGIER	USA
50 M.	BACK		1:14.02	LINDA PHILLIPS	GBR	2:20.20	DANIELLE OGIER	USA	38.80	REGULA STEIGER	SUI
32.82	AROMA MARTORELL	BRA	1:14.08	JILL JONES	GBR	2:21.47	JACKI HIRSTY	USA	39.00	SHARON YAKE	CAN
34.30	JUDY WOODWARD	CAN	1:14.17	JILL QUIRK	CAN	2:28.81	BARBARA DUNBAR	USA	39.30	DEB WALKER	USA
34.34	EILEEN LUTHER	GBR	1:14.44	ESTHER ISEPPI	SUI	2:29.53	CATHY MERRITT	CAN	39.32	CATHY MERRITT	CAN
34.59	DIANE TURNER	GBR	1:14.46	DEBBIE LANCASTER	NZL	2:31.20	KARLENE WISE	USA	39.34	CHRISTIANE HEEREN	GER
34.66	JENNY WHITELEY	AUS	1:14.57	SHELDA DORNEY	AUS	2:31.71	CONNIE BOER-BUYS	NED	39.37	BRIGITTE KUHL	GER
34.69	UTE CIMDINS	GER	1:14.69	MARGARET SMITH	GBR	2:32.23	BENEDICTE DUPREZ	FRA	100 M.	BRST	
35.00	V PREISLEROVA	CZE	1:14.73	HARUMI SUGINUMA	JPN	2:32.61	YURI SUETSUGU	JPN	1:21.88	ULRIKE URBANIAK	GER
35.23	CAROLE SHIGAKI	USA	200 M.	FLY		2:32.84	CONSOELO GRATER	GER	1:24.49	PETRA SCHROER	GER
35.29	BARBARA STUBBE	GER	2:40.00	JENNY WHITELEY	AUS	400 M.	FREE		1:25.16	CHRISTIANE HEEREN	GER
35.41	ANN GUINS	USA	2:43.08	JILL JONES	GBR	4:49.52	LAURA VAL	USA	1:26.43	JENNIFER MERRITT	GBR
100 M.	BACK		2:46.30	ESTHER ISEPPI	SUI	4:55.36	DANIELLE OGIER	USA	1:26.50	SHARON YAKE	CAN
1:12.63	AROMA MARTORELL	BRA	2:47.87	LINDA PHILLIPS	GBR	5:01.02	JACKI HIRSTY	USA	1:26.62	DANIELLE OGIER	USA
1:14.63	PATTY LANDERS	USA	2:49.24	AMANDA HEATH	GBR	5:05.08	BARBARA DUNBAR	USA	1:27.35	BRIGITTE KUHL	GER
1:14.74	UTE CIMDINS	GER	2:49.67	LAURA WORDEN	USA	5:19.16	CATHY MERRITT	CAN	1:27.47	CATHY MERRITT	CAN
1:15.60	GLENISE GALE	AUS	2:50.97	DEBBIE LANCASTER	NZL	5:20.80	KARLENE WISE	USA	1:27.59	KRISSY MACCURDY	USA
1:16.21	DIANE TURNER	GBR	2:54.38	LAURIE ALIOTO	USA	5:27.49	YURI SUETSUGU	JPN	1:28.12	CARMEN CORRES	ESP
1:16.46	BARBARA STUBBE	GER	2:54.70	JOANNE WAINWRIGHT	USA	5:28.46	CYNTHIA JONES	USA	200 M.	BRST	
1:16.68	CAROLE SHIGAKI	USA	2:55.86	A.GIRERD	FRA	5:30.69	SHERRY KITTRELL	USA	2:57.49	ULRIKE URBANIAK	GER
1:16.88	JENNY WHITELEY	AUS	100 M.	I.M.		5:30.93	CONNIE BOER-BUYS	NED	3:04.05	JENNIFER MERRITT	GBR
1:17.37	MARILYN FINK	USA	1:08.48	MAGGIE KELLY	GBR	800 M.	FREE		3:05.02	CHRISTIANE HEEREN	GER
1:17.68	MARILYN EARLY	USA	1:11.13	JENNY WHITELEY	AUS	10:23.17	BARBARA DUNBAR	USA	3:05.04	DEB WALKER	USA
200 M.	BACK		1:12.40	S NEILSON-BELL	USA	10:40.05	NANCY FISHER	USA	3:06.22	DANIELLE OGIER	USA
2:40.47	GLENISE GALE	AUS	1:12.92	JUDY WOODWARD	CAN	11:18.19	ANNE CORK	GBR	3:09.31	CATHY MERRITT	CAN
2:41.54	AROMA MARTORELL	BRA	1:13.92	AROMA MARTORELL	BRA	11:20.57	KARLENE WISE	USA	3:11.52	ANNE CORK	GBR
2:43.67	KATHERINE BRANCH	USA	1:14.38	ALISON NYE	GBR	11:22.03	SHERRY KITTRELL	USA	3:13.67	CARMEN CORRES	ESP
2:44.06	UTE CIMDINS	GER	1:14.67	ANGELA ZINGLER	GER	11:24.99	JONELLE SCHMIDT	USA	3:15.73	JAN PESAVENTO	USA
2:46.78	JENNY WHITELEY	AUS	1:15.88	SWICZINSKY-KORDES	GER	11:25.50	KAREN GIBSON	AUS	3:16.01	DIANE ROTHENBERG	USA
2:48.13	C.TARANTINO	ITA	1:15.97	JENNIFER LUKER	USA	11:36.03	ROSE SALTMAN	AUS	50 M.	FLY	
2:48.70	BARBARA STUBBE	GER	1:16.13	JULIE LOWE	GBR	11:36.23	CHRISTIE CIRAULO	USA	30.99	LAURA VAL	USA
2:50.82	KIM GOODWIN	USA	200 M.	I.M.		11:40.73	CARMEN CORRES	ESP	33.31	JACKI HIRSTY	USA
2:51.49	DIANA TURNER	GBR	2:37.08	JENNY WHITELEY	AUS	1500 M.	FREE		33.50	LIZ RUTHERFORD	GBR
2:51.94	PAULINE HOGG	GBR	2:39.62	JUDY WOODWARD	CAN	18:55.82	LAURA VAL	USA	33.57	R BRITTINGHAM	USA
50 M.	BRST		2:41.79	EDIE FISHER	CAN	19:31.78	DANIELLE OGIER	USA	33.84	C.NIEUWENHUIS	NED
34.34	DAGMAR HILBIG	GER	2:42.41	AMANDA HEATH	GBR	19:57.98	NANCY FISHER	USA	33.89	KARLENE WISE	USA
36.13	JENNY WHITELEY	AUS	2:43.52	AROMA MARTORELL	BRA	20:00.21	BARBARA DUNBAR	USA	34.06	CONSOELO GRATER	GER
36.73	ALISON NYE	GBR	2:43.86	ESTHER ISEPPI	SUI	21:07.53	KARLENE WISE	USA	34.43	CAROL PFLUGHEBER	USA
36.83	PETRE PALM	GER	2:46.24	MAGDA CAMPS	ESP	21:18.38	SHERRY KITTRELL	USA	34.50	BARBARA DUNBAR	USA
37.13	JUDY WOODWARD	CAN	2:46.58	PAM MARTIN	USA	21:22.59	KAREN GIBSON	AUS	34.50	REGULA STEIGER	SUI
37.33	JULIE LOWE	GBR	2:46.84	ALISON NYE	GBR	21:24.30	LYN LEMAIRE	USA	100 M.	FLY	
37.33	MELINDA MANN	USA	2:47.09	KARIN MILGER	GER	21:25.06	CYNTHIA JONES	USA	1:08.70	LAURA VAL	USA
37.34	LISA BENNETT	USA	400 M.	I.M.		21:45.07	ANNE CORK	GBR	1:15.17	BARBARA DUNBAR	USA
37.62	LINDA PHILLIPS	GBR	5:38.72	AMANDA HEATH	GBR	50 M.	BACK		1:16.50	KRISSY MACCURDY	USA
37.71	A.GLYNNE-JONES	GBR	5:45.83	SUZANN HEIM-BOWEN	USA	34.01	BENEDICTE DUPREZ	FRA	1:18.17	KARLENE WISE	USA



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with 10 columns: Rank, Name, Country, Time, Name, Country, Time, Name, Country, Time. Lists top 10 swimmers for various events in 1998.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

3:25.77	MARGA SCHULZE	GER	27:23.60	LIDA GASCHKE	USA	47.05	REIKO NAWATA	JPN	1:32.31	FUMIKO HIROOKA	JPN
3:29.90	KEIKO YAMADA	JPN	27:40.63	PAT NIBLETT	CAN	47.64	HIROKO KATANO	JPN	1:34.09	IRMA HEYTING	AUS
3:29.94	LINDSAY LANT	GBR	27:41.63	MALCHIA OLSHAN	USA	47.90	SYLVIA NEUHAUSER	AUT	1:34.83	LIZ WALLIS	AUS
3:31.34	BEVERLY MYERS	USA	28:16.66	YOSHI OGATA	JPN	48.84	ERIKA WUNSCH	GER	1:35.07	TOMIKO MAKITA	JPN
3:32.07	MARGIT JEBE	USA	28:30.00	FRANCES MCINTOSH	CAN	100 M.	FLY		1:35.12	CHIYOKO OKURA	JPN
3:34.19	URSULA FROHLICH	GER	28:46.79	SHEILA NAIMAN	CAN	1:37.27	FLORA CONNOLLY	GBR	1:35.77	FLORENCE CARR	USA
400 M.	I.M.		28:58.36	JOAN CAMPBELL	USA	1:37.38	JUDIE OLIVER	CAN	200 M.	FREE	
6:58.40	BETSY JORDAN	USA	50 M.	BACK		1:40.93	NORMA POWELL	CAN	3:04.77	JEAN TROY	USA
7:28.04	URSULA FROHLICH	GER	43.11	JANE ASHER	GBR	1:41.26	JANE ASHER	GBR	3:12.34	JUNE KRAUSER	USA
7:45.39	BARB ZAREMSKI	USA	43.51	GRETHE BENDTSEN	DEN	1:47.64	SYLVIA NEUHAUSER	AUT	3:17.76	LIZ WALLIS	AUS
7:52.51	MITSUOKO MCCULLAGH	JPN	45.14	A.LEENE-RODAHL	NZL	1:52.52	ANN HIRSCH	USA	3:19.19	FUMIKO HIROOKA	JPN
7:56.48	PAULINE MCCULLAGH	CAN	45.42	JUDIE OLIVER	CAN	1:56.11	ELSA METZGER	GER	3:20.50	CLARA WALKER	USA
8:22.98	ELSBETH SOEBERT	GER	46.12	ELIANE PELLIS	BEL	1:57.62	BARBARA CALLISON	USA	3:26.88	HIDEKO NAITO	JPN
8:27.09	MAREN PISKORA	GER	46.13	KIMIKO OOKA	JPN	1:58.40	HIROKO KATANO	JPN	3:29.54	CHIE TANI	JPN
8:28.30	TOSHIKO KATO	JPN	46.30	KAZUKO KABASAWA	JPN	1:58.56	ELVERA DUNN	AUS	3:32.05	EDIE GRUENDER	USA
8:46.70	JANET MOELLER	USA	46.94	SUMIKO KADOTA	JPN	200 M.	FLY		3:41.53	LOIS NOCHMAN	USA
8:49.47	THELMA SHARP	AUS	46.96	MARLENE MENDES	BRA	3:27.59	JUDIE OLIVER	CAN	3:42.53	VIRGINIA KETELEER	BEL
			47.13	ERIKA WUNSCH	GER	3:48.16	SYLVIA NEUHAUSER	AUT	400 M.	FREE	
*****			100 M.	BACK		3:59.79	ANN HIRSCH	USA	6:46.19	JUNE KRAUSER	USA
	WOMEN 65-69		1:33.07	FLORA CONNOLLY	GBR	4:22.45	BIRTHE JENSEN	DEN	6:53.55	JEAN TROY	USA
*****			1:34.48	GRETHE BENDTSEN	DEN	4:36.42	MALCHIA OLSHAN	USA	6:59.09	CLARA WALKER	USA
	50 M.	FREE	1:36.32	JANE ASHER	GBR	4:43.12	ELVERA DUNN	AUS	7:01.19	LIZ WALLIS	AUS
34.81	JANE ASHER	GBR	1:39.72	JUDIE OLIVER	CAN	5:00.81	AILSA DUNCAN	AUS	7:07.88	FUMIKO HIROOKA	JPN
36.50	PAULINE WILKINSON	GBR	1:39.80	MARLENE MENDES	BRA	5:03.14	LUIZA SILVA	BRA	7:20.84	CHIE TANI	JPN
36.60	ELIANE PELLIS	BEL	1:41.22	KIMIKO OOKA	JPN	5:04.05	LIOCO SAKAGUTI	BRA	7:32.39	EDIE GRUENDER	USA
37.78	DIANE REED	USA	1:41.35	A.LEENE-RODAHL	NZL	5:08.52	UTAYO KIMURA	JPN	7:34.36	HIDEKO NAITO	JPN
38.29	A.LEENE-RODAHL	NZL	1:43.26	SUMIKO KADOTA	JPN	100 M.	I.M.		7:35.00	VIRGINIA KETELEER	BEL
38.63	YASUKO YAMAMOTO	JPN	1:46.19	LORNA HARDING	GBR	1:31.05	JANE ASHER	GBR	7:38.77	ELEANOR WESSNER	USA
38.76	GRETHE BENDTSEN	DEN	1:46.63	ELIANE PELLIS	BEL	1:35.08	ELIANE PELLIS	BEL	800 M.	FREE	
39.05	JUDIE OLIVER	CAN	200 M.	BACK		1:36.82	JUDIE OLIVER	CAN	13:29.12	JUNE KRAUSER	USA
39.13	KIMIKO YOSHINAGA	JPN	3:22.65	JANE ASHER	GBR	1:39.23	GRETHE BENDTSEN	DEN	14:22.65	LIZ WALLIS	AUS
39.68	KEIKO FUJIMOTO	JPN	3:31.98	MARLENE MENDES	BRA	1:39.30	NORMA POWELL	CAN	14:32.82	FUMIKO HIROOKA	JPN
100 M.	FREE		3:33.91	JUDIE OLIVER	CAN	1:40.60	SYLVIA NEUHAUSER	AUT	15:12.47	EDIE GRUENDER	USA
1:18.55	JANE ASHER	GBR	3:48.02	A.LEENE-RODAHL	NZL	1:42.60	ANN HIRSCH	USA	15:23.53	CHIE IBE	JPN
1:22.26	ELIANE PELLIS	BEL	3:48.18	NANCY MACBETH	USA	1:43.74	NANCY MACBETH	USA	15:24.96	CHIE TANI	JPN
1:26.19	DIANE REED	USA	3:51.67	VAL GREEN	AUS	1:45.55	ERIKA WUNSCH	GER	15:30.97	LOIS NOCHMAN	USA
1:26.76	JUDIE OLIVER	CAN	3:55.76	A.DERKSE-DEN BOER	NED	1:46.93	BARBARA CALLISON	USA	15:40.07	VIRGINIA KETELEER	BEL
1:28.25	MITSUOKO KOMURO	JPN	3:55.97	KEIKO FUJIMOTO	JPN	200 M.	I.M.		15:41.90	DORIS MCEWAN	CAN
1:28.95	GRETHE BENDTSEN	DEN	3:56.85	BARBARA MORTON	GBR	3:24.26	JUDIE OLIVER	CAN	15:43.41	ELEANOR WESSNER	USA
1:29.61	PAT NIBLETT	CAN	3:58.07	ANA ORTIZ	BRA	3:28.25	JANE ASHER	GBR	1500 M.	FREE	
1:30.06	BARBARA CALLISON	USA	50 M.	BRST		3:35.26	NORMA POWELL	CAN	26:01.46	JUNE KRAUSER	USA
1:30.16	KEIKO FUJIMOTO	JPN	43.27	ELIANE PELLIS	BEL	3:40.54	ANN HIRSCH	USA	27:50.23	FUMIKO HIROOKA	JPN
1:30.20	MARLENE MENDES	BRA	43.87	A.LEENE-RODAHL	NZL	3:41.03	NANCY MACBETH	USA	28:59.94	CHIE IBE	JPN
200 M.	FREE		44.87	FLORA CONNOLLY	GBR	3:48.63	BARBARA CALLISON	USA	29:11.06	LOIS NOCHMAN	USA
2:53.13	JANE ASHER	GBR	47.50	L.MOTSCHIEDLER	GER	3:50.48	ELSA METZGER	GER	29:44.28	GRACE ALTUS	USA
3:03.48	ELIANE PELLIS	BEL	47.84	NORMA POWELL	CAN	3:58.62	KEIKO FUJIMOTO	JPN	31:28.21	RYOKO FUKUDA	JPN
3:09.18	JUDIE OLIVER	CAN	48.40	SYLVIA NEUHAUSER	AUT	4:00.44	CAROL TAYLOR	USA	32:00.10	KAZUKO WATANABE	JPN
3:14.16	DIANE REED	USA	48.65	MYRNA TAYLOR	GBR	4:01.62	YOSHIKO ITO	JPN	32:10.30	JOAN MCINTYRE	USA
3:18.23	MARLENE MENDES	BRA	48.72	ANN HIRSCH	USA	400 M.	I.M.		32:20.33	DAPHNE GILBERT	GBR
3:20.21	YASUKO GOTO	JPN	49.28	LILLY KRON	USA	7:12.27	JUDIE OLIVER	CAN	32:42.93	NANCY REED	USA
3:21.60	KEIKO FUJIMOTO	JPN	49.73	CAROL TAYLOR	USA	7:53.60	NANCY MACBETH	USA	50 M.	BACK	
3:21.79	YOSHIKO ITO	JPN	100 M.	BRST		7:55.31	ANN HIRSCH	USA	44.06	JOAN PARNELL	CAN
3:23.23	PAT NIBLETT	CAN	1:36.45	FLORA CONNOLLY	GBR	8:31.98	BIRTHE JENSEN	DEN	47.50	EDITH BOHM	GER
3:24.18	ANN HIRSCH	USA	1:36.52	ELIANE PELLIS	BEL	8:37.35	JOAN CAMPBELL	USA	48.40	CYNTHIA BRUCE	USA
400 M.	FREE		1:43.47	NORMA POWELL	CAN	9:07.30	NANCY DURSTEIN	USA	48.41	LIZ WALLIS	AUS
6:13.57	JANE ASHER	GBR	1:44.56	ANN HIRSCH	USA	9:17.89	EIKO MIWA	JPN	49.12	BETTY LORENZI	USA
6:45.98	ELIANE PELLIS	BEL	1:44.58	SYLVIA NEUHAUSER	AUT	10:01.48	ANN SHENCK DALLAM	USA	49.32	JUNE KRAUSER	USA
6:52.25	DIANE REED	USA	1:44.95	JUDIE OLIVER	CAN	10:03.37	UTAYO KIMURA	JPN	49.36	DELLA SEHORN	USA
6:52.39	GRETHE BENDTSEN	DEN	1:45.79	L.MOTSCHIEDLER	GER	10:32.75	GLADYS MCGOUGH	AUS	49.70	ERIKA LANGE	GER
7:02.26	PAT NIBLETT	CAN	1:49.52	LILLY KRON	USA	*****			50.24	KAZUKO TAGUCHI	JPN
7:03.08	YOSHIKO ITO	JPN	1:49.95	JESSIE CALLEBAUT	BEL	*****			50.48	DORIS MCEWAN	CAN
7:04.47	MARLENE MENDES	BRA	1:50.60	MARIYA FIRSOVA	UKR		WOMEN 70-74		100 M.	BACK	
7:11.64	MALCHIA OLSHAN	USA	200 M.	BRST		*****			1:40.37	JOAN PARNELL	CAN
7:12.02	KEIKO FUJIMOTO	JPN	3:29.93	ELIANE PELLIS	BEL	50 M.	FREE		1:45.68	JUNE KRAUSER	USA
7:14.86	YOSHI OGATA	JPN	3:38.97	A.LEENE-RODAHL	NZL	38.44	CLARA WALKER	USA	1:48.01	BETTY LORENZI	USA
800 M.	FREE		3:42.84	ANN HIRSCH	USA	38.57	JEAN TROY	USA	1:50.57	ERIKA LANGE	GER
12:28.75	JANE ASHER	GBR	3:50.36	SYLVIA NEUHAUSER	AUT	40.10	FUMIKO HIROOKA	JPN	1:50.87	LIZ WALLIS	AUS
13:16.48	FLORA CONNOLLY	GBR	3:52.43	L.MOTSCHIEDLER	GER	40.25	IRMA HEYTING	AUS	1:51.97	KAZUKO TAGUCHI	JPN
14:10.93	ELIANE PELLIS	BEL	3:52.49	LILLY KRON	USA	40.53	TOKUYO KAMIGAKI	JPN	1:52.34	DORIS MCEWAN	CAN
14:23.13	YASUKO GOTO	JPN	4:01.12	ELSA METZGER	GER	40.58	TOSHIKO MORITA	JPN	1:52.63	VIRGINIA KETELEER	BEL
14:26.16	LIDA GASCHKE	USA	4:02.60	JESSIE CALLEBAUT	BEL	41.11	JUNE KRAUSER	USA	1:53.89	R VYMAZALOVA	CZE
14:34.54	PAT NIBLETT	CAN	4:05.27	MIEKO WAKABAYASHI	JPN	41.16	MIEKO KAMOSHITA	JPN	1:54.91	OLIVE HALE	GBR
14:38.25	MALCHIA OLSHAN	USA	4:05.54	NORIKO YATSUNAMI	JPN	41.26	HIDEKO NAITO	JPN	200 M.	BACK	
14:46.53	ANN HIRSCH	USA	50 M.	FLY		41.57	FLORENCE CARR	USA	3:38.25	JOAN PARNELL	CAN
14:59.61	BARBARA CALLISON	USA	39.11	JANE ASHER	GBR	41.57	DORIS MCEWAN	CAN	3:44.99	JUNE KRAUSER	USA
15:02.98	YOSHI OGATA	JPN	41.35	GAIL ROPER	USA	100 M.	FREE		3:52.82	BETTY LORENZI	USA
1500 M.	FREE		42.85	JUDIE OLIVER	CAN	1:26.32	JEAN TROY	USA	3:54.17	VIRGINIA KETELEER	BEL
24:01.53	JANE ASHER	GBR	45.08	ELIANE PELLIS	BEL	1:29.09	CLARA WALKER	USA	3:56.58	ERIKA LANGE	GER
26:04.59	GAIL ROPER	USA	45.83	NORMA POWELL	CAN	1:31.19	JUNE KRAUSER	USA	3:58.16	LIZ WALLIS	AUS
27:06.40	YASUKO GOTO	JPN	46.65	BARBARA CALLISON	USA	1:32.18	HIDEKO NAITO	JPN	4:01.25	AGNES PLISSON	FRA



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

4:01.54	FUMIKO HIROOKA	JPN	200 M. I.M.	20:23.04	TOSHIKO AIZAWA	JPN	1:00.00	DIANA SILVA	USA		
4:02.51	KAZUKO TAGUCHI	JPN	3:40.27	JUNE KRAUSER	USA	1500 M. FREE	1:00.32	SUGAKO KUWAYAMA	JPN		
4:03.67	LOIS NOCHMAN	USA	3:53.42	JEAN TROY	USA	27:47.25	MARGERY MEYER	USA	1:01.34	NANCY AYRES	AUS
50	M. BRST		4:01.29	ERIKA LANGE	GER	32:52.77	FUMI MURATA	JPN	1:01.60	DOROTHY DONNELLY	USA
45.26	EDITH BOHM	GER	4:02.86	CHIE TANI	JPN	33:16.74	NORMA RUDOLPH	AUS	1:03.58	PAT GALLAGHER	CAN
45.56	ERIKA LANGE	GER	4:02.96	FUMIKO HIROOKA	JPN	34:20.72	BUNNY CEDERLUND	USA	1:03.81	BERYL GRACE	AUS
49.48	JOAN PARNELL	CAN	4:07.66	LOIS NOCHMAN	USA	34:54.00	LIZ LUBBERS	NZL	1:05.52	JAE HOWELL	USA
50.13	NEL VAN VLIET	NED	4:09.79	CHISE IBE	JPN	37:27.44	NANCY AYRES	AUS	1:08.74	HIDEKO MORI	JPN
50.78	TERUKO ONO	JPN	4:11.68	AGNES PLISSON	FRA	37:57.65	CHIYOKO TAKIZAWA	JPN	1:10.19	JEAN ZULICH	USA
51.40	AGNES PLISSON	FRA	4:19.97	UMEKO KUWAHARA	JPN	38:16.99	PAT GALLAGHER	CAN	2:10.00	M. FLY	
51.58	ERNA EICHMANN	GER	4:21.96	KATHLEEN GRIMMER	GBR	38:22.01	TOSHIKO AIZAWA	JPN	2:12.30	DIANA SILVA	USA
52.19	HERTA SOMMERMEIER	GER	400 M. I.M.	39:19.22	H HUGGINS	USA	2:22.03	GERTRUD MEERWALD	GER		
53.40	JUNE KRAUSER	USA	7:41.41	JUNE KRAUSER	USA	50 M. BACK	2:26.47	FUMI MURATA	JPN		
53.65	ELSE LEMMES	GER	8:13.83	JEAN TROY	USA	50.65	BETTY CONDON	GBR	2:28.42	JAE HOWELL	USA
100 M. BRST			8:27.49	ERIKA LANGE	GER	51.14	BUNNY CEDERLUND	USA	2:41.87	JANE DOUGHERTY	USA
1:42.97	EDITH BOHM	GER	8:35.55	LIZ WALLIS	AUS	51.47	GRETE PFANNMULLER	GER	2:43.75	MARY WIXTED	USA
1:45.87	ERIKA LANGE	GER	8:35.79	LOIS NOCHMAN	USA	51.62	MARGERIE MEYER	USA	2:56.76	EILEEN PRICE	AUS
1:50.69	JOAN PARNELL	CAN	9:19.34	AGNES PLISSON	FRA	52.55	SILVIA CRAVERI	ITA	2:57.87	JEAN ZULICH	USA
1:53.16	CHIYOKO OKURA	JPN	9:42.77	MARIAN WOLLE	USA	54.42	GRE S-DE HOOGE	NED	3:01.93	NORMA RUDOLPH	AUS
1:54.22	NEL VAN VLIET	NED	9:54.39	ELFRIEDE ROGERS	USA	54.96	DOROTHY DONNELLY	USA	3:08.12	EDITH GLUSAC	USA
1:55.16	AGNES PLISSON	FRA	9:58.46	GLADYS OLSEN	USA	55.15	TONNY AUKEMA	NED	200 M. FLY		
1:56.23	JUNE KRAUSER	USA	9:59.40	JOAN MCINTYRE	USA	55.19	DIANA SILVA	USA	5:09.49	DIANA SILVA	USA
2:00.91	JOAN KIDD	GBR				56.59	ILSE ROCHOWIAK	GER	5:13.47	JAE HOWELL	USA
2:01.00	KATHLEEN GRIMMER	GBR	*****			100 M. BACK	6:46.92	MARJORIE NEWMAN	USA		
2:03.86	DORIS MCEWAN	CAN	WOMEN 75-79			1:51.72	BUNNY CEDERLUND	USA	6:56.32	ROSEMARY KARIKER	USA
200 M. BRST			*****			1:54.10	SILVIA CRAVERI	ITA	8:08.12	ZADA TAFT	USA
3:48.92	ERIKA LANGE	GER	50 M. FREE			1:54.36	RUTH MORRILL	USA	100 M. I.M.		
4:03.55	JUNE KRAUSER	USA	40.35	OLGA JOHNSON	NZL	2:02.01	BETTY CONDON	GBR	1:58.16	MARGERIE MEYER	USA
4:09.00	JOAN PARNELL	CAN	41.19	DOROTHY DONNELLY	USA	2:02.79	DIANA SILVA	USA	2:03.07	DOROTHY DONNELLY	USA
4:15.24	AGNES PLISSON	FRA	41.87	MARGERIE MEYER	USA	2:05.03	GRE S-DE HOOGE	NED	2:04.03	CATHERINE KERR	CAN
4:25.59	BARBARA VICKERS	AUS	42.87	GRETE PFANNMULLER	GER	2:05.45	GRETE PFANNMULLER	GER	2:04.68	GERTRUD MEERWALD	GER
4:26.97	KATHLEEN GRIMMER	GBR	43.40	TOSHIKO MURAKAMI	JPN	2:05.76	CATHERINE KERR	CAN	2:08.14	DIANA SILVA	USA
4:28.12	IRMA HEYTING	AUS	43.81	CATHERINE KERR	CAN	2:08.07	OLGA JOHNSON	NZL	2:09.55	OLGA JOHNSON	NZL
4:30.90	JOAN KIDD	GBR	44.04	SUGAKO KUWAYAMA	JPN	2:08.13	ILSE ROCHOWIAK	GER	2:09.68	BETTY CONDON	GBR
4:33.62	NOBUKO NAKAJIMA	JPN	45.59	BETTY CONDON	GBR	200 M. BACK	2:10.12	MURIEL FLYNN	USA		
4:35.30	CORRIE DEGROOT	AUS	46.08	NANCY MITCHELL	AUS	4:02.31	RUTH MORRILL	USA	2:10.66	MICHIKO HAMURO	JPN
50 M. FLY			47.07	DIANA SILVA	USA	4:10.00	SILVIA CRAVERI	ITA	2:11.36	FUMI MURATA	JPN
45.96	JUNE KRAUSER	USA	100 M. FREE			4:19.55	BUNNY CEDERLUND	USA	200 M. I.M.		
47.97	EDITH BOHM	GER	1:33.87	MARGERIE MEYER	USA	4:20.10	DOROTHY WILLIAMS	GBR	4:28.44	FUMI MURATA	JPN
48.31	LOIS NOCHMAN	USA	1:36.61	DOROTHY DONNELLY	USA	4:28.23	BETTY CONDON	GBR	4:38.84	DIANA SILVA	USA
49.72	EDIE GRUENDER	USA	1:39.65	OLGA JOHNSON	NZL	4:45.37	MINNA HAMNER	USA	4:41.59	MURIEL FLYNN	USA
51.31	JEAN TROY	USA	1:45.22	GRETE PFANNMULLER	GER	4:49.07	JEAN DANCE	GBR	4:46.29	JAE HOWELL	USA
51.62	CHIE TANI	JPN	1:46.01	BUNNY CEDERLUND	USA	4:51.68	MAURINE KORNFELD	USA	4:54.28	JANE DOUGHERTY	USA
52.68	ERIKA LANGE	GER	1:48.01	CANDIDA GANDOLPHO	BRA	4:54.96	JAE HOWELL	USA	5:02.05	NORMA RUDOLPH	AUS
53.61	UMEKO KUWAHARA	JPN	1:49.51	TOSHIKO MURAKAMI	JPN	4:56.01	NANCY PHILLIPS	USA	5:15.17	MARY WIXTED	USA
55.53	TOMIKO MAKITA	JPN	1:50.19	NANCY MITCHELL	AUS	50 M. BRST	5:22.24	LIZ LUBBERS	NZL		
55.82	KUMIKO KUBO	JPN	1:51.75	GERTRUD MEERWALD	GER	49.57	SATOKO SUZUKI	JPN	5:32.94	MARJORIE NEWMAN	USA
100 M. FLY			1:53.75	SILVIA CRAVERI	ITA	50.37	TSUNEO MITA	JPN	5:33.31	JEAN ZULICH	USA
1:45.68	JUNE KRAUSER	USA	200 M. FREE			53.86	M.GUILLAIS	FRA	400 M. I.M.		
1:56.61	LOIS NOCHMAN	USA	3:25.32	MARGERIE MEYER	USA	54.77	MAUD POVEY	GBR	9:46.54	DIANA SILVA	USA
1:58.39	DELLA SEHORN	USA	3:46.21	OLGA JOHNSON	NZL	56.58	INGEBORG FRITZE	GER	10:05.42	JAE HOWELL	USA
2:01.20	ERIKA LANGE	GER	3:48.70	DOROTHY DONNELLY	USA	57.93	GERTRUD MEERWALD	GER	11:21.90	PERSIS RAE	AUS
2:02.85	CHIE TANI	JPN	3:52.35	CANDIDA GANDOLPHO	BRA	58.85	HILDEGARD MESSING	GER	11:53.92	MARJORIE NEWMAN	USA
2:02.99	EDIE GRUENDER	USA	3:55.26	NATSU OKI	JPN	59.41	DOROTHY WILLIAMS	GBR	12:05.95	EDITH GLUSAC	USA
2:03.99	UMEKO KUWAHARA	JPN	3:57.36	FUMI MURATA	JPN	59.50	JAE HOWELL	USA	12:17.02	EILEEN PRICE	AUS
2:07.37	G.SCHOBEL-GRAB	GER	4:00.59	NANCY MITCHELL	AUS	59.58	MURIEL FLYNN	USA	13:21.29	ROSEMARY KARIKER	USA
2:19.96	SARAH ALLNUTT	USA	4:06.81	GRE S-DE HOOGE	NED	100 M. BRST	17:03.33	ELFIE STEVENIN	USA		
2:22.95	MARIAN WOLLE	USA	4:11.93	MAURINE KORNFELD	USA	1:48.28	SATOKO SUZUKI	JPN			
200 M. FLY			4:13.05	YURIKO KOMINE	JPN	2:03.24	DOROTHY WILLIAMS	GBR	*****		
3:52.06	JUNE KRAUSER	USA	400 M. FREE			2:06.50	HILDEGARD MESSING	GER	WOMEN 80-84		
4:05.29	LOIS NOCHMAN	USA	7:01.36	MARGERIE MEYER	USA	2:07.12	INGEBORG FRITZE	GER	*****		
4:27.88	ERIKA LANGE	GER	7:57.17	OLGA JOHNSON	NZL	2:12.06	SUMIKO YANAGISAWA	JPN	50 M. FREE		
5:02.47	MARIAN WOLLE	USA	8:09.66	CANDIDA GANDOLPHO	BRA	2:14.31	MAUD POVEY	GBR	47.31	RITA SIMONTON	USA
5:15.82	GLADYS OLSEN	USA	8:24.71	MAURINE KORNFELD	USA	2:14.90	FUMI MURATA	JPN	48.63	URSULA OEHMKE	GER
5:18.46	ELFRIEDE ROGERS	USA	8:25.47	DIANA SILVA	USA	2:15.30	JAE HOWELL	USA	49.60	HATSUHO SUGAYA	JPN
5:49.57	BEP VAN DER HEYDT	CAN	8:28.63	BUNNY CEDERLUND	USA	2:15.37	GRE S-DE HOOGE	NED	49.70	AUDREY ETIENNE	USA
5:59.05	FUMIKO TSUJITANI	JPN	8:35.68	MARY STADIG	USA	2:15.46	MURIEL FLYNN	USA	50.97	EDNA FARRELL	NZL
6:17.89	GLORIA STUPFEL	USA	8:37.51	GRE S-DE HOOGE	NED	200 M. BRST	53.01	MARGARET NAGLE	USA		
6:24.54	JOAN MCINTYRE	USA	8:39.49	YURIKO KOMINE	JPN	4:25.13	DOROTHY WILLIAMS	GBR	54.75	ANNE WALKER	USA
100 M. I.M.			8:49.25	MURIEL FLYNN	USA	4:36.59	GERTRUD MEERWALD	GER	55.50	NELLA GAMENARA	ITA
1:41.51	JOAN PARNELL	CAN	800 M. FREE			4:38.76	SUMIKO YANAGISAWA	JPN	55.52	CHARLOTTE THIEL	GER
1:42.51	EDITH BOHM	GER	14:46.26	MARGERIE MEYER	USA	4:42.76	MAUD POVEY	GBR	56.62	GRETE HARNISCH	GER
1:42.58	JUNE KRAUSER	USA	17:19.36	FUMI MURATA	JPN	4:45.51	INGEBORG FRITZE	GER	100 M. FREE		
1:47.42	JEAN TROY	USA	18:08.41	BUNNY CEDERLUND	USA	4:46.74	MICHIKO HAMURO	JPN	1:42.38	RITA SIMONTON	USA
1:48.07	ERIKA LANGE	GER	18:45.22	LILLIAN WARREN	CAN	4:52.46	MURIEL FLYNN	USA	1:55.25	URSULA OEHMKE	GER
1:48.88	DORIS MCEWAN	CAN	18:51.87	YURIKO KOMINE	JPN	5:04.09	NAKA FUKUOKA	JPN	2:00.31	EDNA FARRELL	NZL
1:49.87	CHIYOKO OKURA	JPN	18:54.04	JEAN DANCE	GBR	5:04.67	JAE HOWELL	USA	2:08.66	ANNE WALKER	USA
1:51.53	AGNES PLISSON	FRA	19:45.33	NANCY AYRES	AUS	5:23.09	MITSU IIMURA	JPN	2:10.59	MARGARET NAGLE	USA
1:51.63	CHIE TANI	JPN	19:56.43	PAT GALLAGHER	CAN	50 M. FLY	2:10.66	NELLA GAMENARA	ITA		
1:52.54	DELLA SEHORN	USA	20:17.87	CHIYOKO TAKIZAWA	JPN	59.53	GERTRUD MEERWALD	GER	2:12.07	WILLY VAN RYSEL	GBR



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with 10 columns: Rank, Name, Country, Time, Name, Country, Time, Name, Country, Time. Lists top 10 swimmers for various age groups (90-94, 95-99, 100-104, MEN 25-29) in short course meters.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with columns for time, name, country, and event details. Includes names like O VAHE, JUSTIN PALFREY, JAMES TASCHEK, etc., and times ranging from 9:10.92 to 2:28.29.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with columns for time, name, country, and event details. Includes entries for Stuart Cromarty, Peter Rohde, Neill Williams, etc., and a section for M E N 35-39.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with 10 columns: Rank, Name, Country, Time, Name, Country, Time, Name, Country, Time. Lists top 10 swimmers for various events in 1998.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with columns for time, name, country, and other details. Includes entries for Herbert Bloch, John Derr, Daniel Rogacki, etc., with times ranging from 5:39.14 to 2:23.30.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with 5 columns: Rank, Name, Country, Time, Name, Country, Time, Name, Country, Time. Lists top 10 swimmers for various events in 1998.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with 10 columns: Rank, Name, Country, Time, Name, Country, Time, Name, Country, Time. Lists top 10 swimmers for various events in 1998.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with columns for rank, name, country, time, name, country, time, name, country, time. Lists top 10 swimmers in various categories across multiple events.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with 10 columns: Rank, Name, Country, Time, Name, Country, Time, Name, Country, Time. Lists top 10 swimmers for various distances in 1998.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with 5 columns: Name, Country, Time, Name, Country, Time. Lists swimmers and their times for various age groups and events.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table with columns for swimmer name, country, and time. Includes categories like MILT, AGE 160-199, SAN DIEGO SWIM, etc.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

Table listing swimmers, countries, and times for the FINA World Masters Top 10 - Short Course Meters 1998. Includes names like Lee Mench, Bill Earley, Kenichi Aikawa, and various international teams.



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1998

ANTONIO SOUZA		JOSEPH KURTZMAN		CITY OF LEICEST	GBR	1:49.76			
RINALDO FERREIRA		ALAN MALONEY					VIC	CAN	2:07.60
LUIS R SILVA		FREIE SCHWIMMER	GER	2:59.41	ACADEMIA 4X1	BRA	1:50.01		
ARAM BOGHOSSIAN		R.REINSTADTLER					EMSC	CAN	2:07.68
SSV LIPS 90 LEI	GER	WERNER ASSMANN			SWISS COTTAGE	GBR	1:50.16		
WALTER LEX		WERNER GRUTTER							
JURGEN SCHUBERT		ANTON DOKER			SPENCER	GBR	1:50.30		AGE 240-279
WOLFGANG SIEBER									SAN DIEGO SWIM
MARTIN KLINK		AGE 320-359							USA
OAHU KIOICHO	JPN	TOKYO SC	JPN	3:20.27					MIKE FRESHLEY
MASAYASU KAMIYA		KISABURO WADA			AGE 160-199				BETSY JORDAN
TERUO IWATA		SABURO WATANABE			SAN DIEGO SWIM	USA	1:50.12		JACKIE MARR
MASARU IGARASHI		Y.MIYAMOTO			K PIPES-NEILSEN				DONALD BAKER
YASUO KANAI		YAJIRO FUKUDA			MARY ELLEN ANDERS				GOLD COAST
FOX HOLLIES	GBR	POSEIDON BERLIN	GER	4:09.60	CHRIS DIXON				USA
		KARL WITTENBERG			LEE MENCH				JUNE KRAUSER
HAKUYO S	JPN	ARNO SCHUBLER			VIC	CAN	1:50.61		CAV CAVANAUGH
HIROSHI NONAKA		MULLER			JWOOD				WILLIAM DOLAN
KENSUKE SATO		FRITZ MONKE			RCARM				DEBBIE CAVANAUGH
TAKASHI TERAKOSHI		NORTH LODGE	NEP	AUS	ARHOD				HAYWARDS HEATH
TOSHIMI INATOMI		S.KRASEY			EKERA				GBR
SSV LIPS 90 LEI	GER	T.REES			BO WOLVERHAMPTO	GBR	1:53.46		BARNET COPTHALL
K.PETER SCHULZ		B.MCCABE							GBR
JOACHIM HEROLD		M.PAKER			COLONIALS 1776	USA	1:53.91		FLUMINENSE F.C.
HORST RIEDEL		*****			STEVE KELLY				BRA
JURGEN SCHIERSAND		RELAYS: MIXED 200 M. FREE			DANIEL ALLEN				ZAVEN BOGHOSSIAN
OTTER	GBR	*****			PATRICIA TIMMINS				MARCIA BORELLI
		AGE 100-119			MARY ANN MCCLAIN				MARIA H PADILLA
IBARAKI SC	JPN	BRITISH POLICE	GBR	1:46.54	4X1/MILANO	BRA	1:54.05		BENEDITO CHAMI
MASAYASU TANEIKE		ETOB	CAN	1:49.55	FRANCISCO GAOS				ISLANDTAKATSUKI
HIROYUKI SATO		SWISS COTTAGE	GBR	1:51.18	AROMA MARTORELL				JPN
HACHIRO HORIE		RECREATIVA	BRA	1:51.33	ROSANA LATUF				NOBUKO NITTA
KINNOSUKE SAKAI		JOAO CHAVES			LUIS F ZULIETI				KIYOKO IKEUCHI
SCHWIMMEN BERLI	GER	REGINA MATTIELLO			CAMDEN SWISS CO	GBR	1:55.10		TETSUYA YAMAMOTO
PETER BRANDT		ANA C CATURELI			SWOL 1894	NED	1:55.27		KIYOJI AMANO
HARTMUT LEMCKE		ANTONIO C SILVA			RON GERRITS				TACHIKAWASUIKYO
PETER EBEL		TRAFFORD METRO	GBR	1:51.50	WILLIANNE GERRITS				JPN
GERHARD SCHOLZ		TECH	CAN	1:51.75	C NIEUWENHUIS				TOSHICO MORITA
		MASTER GERAIS	BRA	1:51.92	FRED VOLLEBERGH				JUNJI MONJAKU
AGE 280-319		SERGIO BRAGA			BO WOLVERHAMPTO	GBR	1:55.93		TSUTOMU MIYAUCHI
C.R.FLAMENGO	BRA	JEANNINE MOURA							YOSHIE ISHIBASHI
JAMES DETAR		ADRIANA REZENDE			PHOE	CAN	1:56.61		ZSA
HANS BEIER		WAGNER SANTOS			MMCMU				BEL
M.MARCHEVSKY		MET POLICE	GBR	1:51.94	AWALL				GBR
HELENO SANTOS		CENTRO P. GOIAS	BRA	1:52.51	ILOWE				GBR
SAN DIEGO SWIM	USA	CARLA MELO			ISMIT				GBR
KEN KIMBALL		ENIO PINTO			TRAFFORD METRO	GBR	1:56.75		USA
DONALD BAKER		ANA L MELO							USA
BILL EARLEY		JOAQUIM ROSA			TAMALPAIS MASTE	USA	1:55.91		USA
JIM EUBANK		UOG	CAN	1:52.68	LAURA VAL				USA
IBARAKI SC	JPN	AGE 120-159			ED CAZALET				USA
RYUJI FUJIKAWA		NTMC	CAN	1:47.64	NANCY RIDOUT				USA
Y.KAWABATA		LEICESTER	GBR	1:48.55	RICHARD BURNS				USA
SHINJI FUJIMOTO		RYDE AUSSI	AUS	1:48.71	BRISTOL MASTERS	GBR	1:58.34		USA
YOSHIHIKO ISOMURA		DARREN GUM							USA
FLUMINENSE F.C.	BRA	BELINDA HALL			GOLD	USA	1:58.89		USA
ZAVEN BOGHOSSIAN		DAVID KING			GEORGE SCHMIDT				USA
KEISUKI KIKUCHI		JENNY WHITELEY			MEG MAY				USA
LUIS R SIMI		BRITISH POLICE	GBR	1:48.72	MARCIA BARRY				USA
SEVERINO CARVALHO		SPM	USA	1:48.77	CAV CAVANAUGH				USA
YOKOHAMASUIEIKA	JPN	CATHY SHONKWILER			FOX HOLLIES	GBR	2:00.42		USA
HISAO NAKAI		WILLIAM SPECHT							USA
HIDEO HATTORI		STUART BARTON			OAHU KIOICHO	JPN	2:03.98		USA
MINORU NAGASHIMA		CHARLOTT PETERSEN			KIRIKO MINOSHIMA				USA
HIDEAKI KATO		WARRINGAH	AUS	1:49.59	MASAYASU KAMIYA				USA
ROYAL NAVY	GBR	BLAIR MCQUADE			MASARU IGARASHI				USA
		STUART MEARES			HIROKO KAYAMORI				USA
SPM	USA	SUSAN GALLIE			C.P.MORUMBY	BRA	2:04.18		USA
RICHARD AVERY		CATHY CODLING			WILSON NEGRELLI				USA
ABRASHA BRAININ					LEONOR OLIVEIRA				USA
HAROLD FERRIS					ELIANA MACIA				USA
CHARLES KOHNKEN					JOSE E FERRAZ				USA
SAPORO MST	JPN				NEUKOLLN BERLIN	GER	2:04.80		USA
YASUO MASUKI					KLAUS MERTEN				USA
ATSUSHI OURA					RUTH STUBERT				USA
TOSHIKAZU TATEDA					BRIGITTE MERTEN				USA
TAMOTSU KAWABATA					JOACHIM HINTZE				USA
FMM	USA				SPENCER	GBR	2:07.53		USA
FRANK FILLOTSON									USA
ROBERT MACDONALD									USA



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YOSHIKI MARUOKA TEIKO ONO E. C. PINHEIROS BRA 2:51.91	AMERICO PECANHA WAGNER SANTOS JEANNINE MOURA ALVARES CABRAL BRA 2:04.99	AROMA MARTORELL CELSO SOUZA FABIO LATUF THEMIS PIRES	NORTH CAROLINA USA 2:44.49 CEIL BLACKWELL SALLY NEWELL CLARKE MITCHELL DICK WEBBER SPENCER GBR 2:44.71
SAPPORO MST JPN 2:53.73 TOSHIKAZU TATEDA FUMI MURATA FUMIKO OBATA ATSUSHI OURA LOWER BUCKS YMC USA 2:55.46 VAN REYMERSDAL VAN REYMERSDAL JANE DOUGHERTY NORM GARSOE	LUIZ A MELLO GLYCIA LOFEGO ANDRE BULCAO MARILELIA ROCHA ACADEMIA 4X1 BRA 2:05.04 FLAVIA PRADA MAURO CURI FABIO DIAS ROSANA LATUF	AGE 200-239 STMASTERSKANSAI JPN 2:09.37 YOSHIE OSAKI YOSHIHIKO OSAKI KOJI NAKANO YOSHIKO OSAKI TAMALPAIS MASTE USA 2:09.56 RICHARD BURNS GARY PARLAPIANO LAURA VAL NANCY RIDOUT BRISTOL MASTERS GBR 2:15.43 FOX HOLLIES GBR 2:16.69	AGE 280-319 SWIM 100NOKAI K JPN 2:52.77 KAZUKO TAGUCHI MAKOTO NISHIURA AKIRA ITO CHIE TANI SAN DIEGO SWIM USA 3:04.62 LYNNE LUND MARIAN WOLLE DONALD HUBBARD JIM EUBANK SUNWAYYOKOHAMA JPN 3:05.75 SHOGORO AZUMA SHOKO YONEZAWA TETSUO NAKAMARU YOKO SUGIYAMA
AGE 320-359 IBARAKI SC JPN 3:23.57 KENJIRO KAKEI HIROKO TSUCHIYA RITSUKO HAYASHIDA RYUJI FUJIKAWA NISHINOMIYASUMI JPN 3:25.73 HATSUHO SUGAYA KANeko TAKAHARA HIROMU YOSHIMOTO TAKESHI YASUKAWA YOKOHAMASUIEIKA JPN 3:50.78 AKIRA MATSUNO MASAKO MATSUNO SHIZUE HATA TOYOJI TAKAMI SAPPORO MST JPN 4:03.32 KIOCHI FUJII CHIYOKO ISHIKAWA KINKO MATSUMOTO TAMOTSU KAWABATA C. R. ICARAI BRA 4:40.45 LUIZ SAPIENZA NORA RONAI LUZIA CARACCILO GASTAO FIGUEIREDO AMARAL BRA 4:49.20 C. A. PAULISTANO BRA 5:44.52	AGE 120-159 SPENCER GBR 2:00.36 SPM USA 2:00.78 WILLIAM SPECHT MAUD ORLANDO STUART BARTON CATHY SHONKWILER SWISS COTTAGE GBR 2:01.17 LEICHESTER GBR 2:01.53 BSC ROBBEN/VFL GER 2:02.14 UTE ROMBACH SVEN GRUNERT CHRISTIAN KAROLYI ANDREA HALBACH NTMC CAN 2:02.20 OREG USA 2:04.29 STEVE GEORGE PAT ALLENDER SHAUNA SIMPSON LISA HJERPE BRITISH POLICE GBR 2:04.31 GARDEN STATE MA USA 2:04.82 A LUAllen-SCHOLZ BENN DOYLE BRIDGET COLL ED TSUZUKI DALE CAN 2:05.24	HSG BERLIN GER 2:18.18 ELLEN RINKE MARTINA KRAUSE BERND SCHRODER LUTZ UNGER HAYWARDS HEATH GBR 2:20.17 DONCASTER AUS 2:21.79 T. STRAHAN B. WALSH S. HARBOTTLE J. SAYERS MANLY AUSSI AUS 2:22.09 GILL CHAPMAN TONY GOODWIN JOHN BYRNES K. LANGTHORNE AGE 240-279 SAN DIEGO SWIM USA 2:25.26 BETSY JORDAN MIKE FRESHLEY JACKIE MARR DONALD BAKER FLUMINENSE F.C. BRA 2:30.25 MARCIA BORELLI RINALDO FERREIRA LUIS R SIMI LILLIAN MORAES HAYWARDS HEATH GBR 2:33.02 SCHWIMMEN BERLI GER 2:35.94 HELGA SELZSAM HARTMUT LEMCKE PETER EBEL RENATE LEMCKE GOLD COAST USA 2:38.47 CAV CAVANAUGH HERB KERN DEBBIE CAVANAUGH JUNE KRAUSER ETTALONG AUS 2:40.07 PAM HUTCHINGS ALLAN DUFTY ELVERA DUNN TONY CURRAN ROYAL NAVY GBR 2:42.65 MANLY AUSSI AUS 2:43.03 LIZ WALLIS JUDY BURKE STEPHEN LAMY DAVID LAWLER	FLUMINENSE F.C. BRA 3:07.06 SEVERINO CARVALHO CANDIDA GANDOLPHO ENEDINA PEREIRA ARAM BOGHOSSIAN SAN DIEGO SWIM USA 3:12.05 KEN KIMBALL ANN DALLAM DIANA SILVA RICHARD LABAHN C. R. ICARAI BRA 3:16.75 ALBERTO CARVALHO M. LEIPZIGER MARLENE MENDES DORA SODRE SPCO USA 3:18.43 BUNNY CEDERLUND RICHARD ROBECKI ANGIE SINACORE ROBERT SIGERSMITH OJAI-SANTA BARB USA 3:20.49 JACK SPRACKLIN MAGGIE MORS GRACE ALTUS WOODY GAIR OJAI-SANTA BARB USA 3:22.51 GAY COLLINS FRANK PIEMME MALCHIA OLSHAN JURGEN SCHMIDT TWIN TOWNS AUS 3:24.07 ARTHUR THOMAS TRICIA LEGGE ROYCE JACKSON JUDY HONEY AGE 320-359 COAST MASTERS USA 3:54.19 MADELEINE MILLER MAXINE MERLINO BOB MERRICK WOODROW BOWERSOCK IBARAKI SC JPN 4:08.82 RYUJI FUJIKAWA HIROKO TSUCHIYA KENJIRO KAKEI RITSUKO HAYASHIDA SAPPORO MST JPN 4:44.94 KIOCHI FUJII KINKO MATSUMOTO YASUO MASUKI KIYO NIWA YOKOHAMASUIEIKA JPN 4:45.97 KIYOKO KANO KIKUYO EBATO YOSHIKI UEDA
***** RELAYS: MIXED 200 M. MEDLEY ***** AGE 100-119 FSV FRANKENTHAL GER 1:55.28 KARIN HETZEL STEFFEN HAUS ANDREA KRKAU JORG SPANDOCK BERLINER TSC GER 1:58.05 FRITZ HENDRICK ANNETT REX JILL HANAS LUTZ MERKEL BRITISH POLICE GBR 1:58.50 LON CAN 2:02.82 CBESN RLEVE ASAUR DBOTB PROFACE DAW NED 2:03.30 LAURA FILMER FRED HEEMSTRA NATASJA ROBERT RONALD BAAS LIESTAL SUI 2:03.30 THOMAS LEUTHARD DOMINIK SCHROEDER PATRICK WEISSKOPF JACQUELINE HOFER ETOB CAN 2:04.12 MASTER GERAIS BRA 2:04.43 ADRIANA REZENDE	AGE 160-199 SAN DIEGO SWIM USA 2:03.62 K PIPES-NEILSEN CAROLINE KRATTLI CHRIS DIXON THOMAS GREEN SPENCER GBR 2:05.25 4X1/MILANO BRA 2:06.66 AROMA MARTORELL LUIZ F ZULIETI FABIO LATUF FABIENNE GUTTIN BO WOLVERHAMPTO GBR 2:08.44 ROCHDALE GBR 2:10.00 BO WOLVERHAMPTO GBR 2:10.62 DDO CAN 2:11.23 PAVRI ABERN KEKST LMACR ERITH & DISTRIC GBR 2:11.42 WFR WUPPERTAL GER 2:11.79 NICOLE NIEDER UWE HUPPERS AXEL FOCKE PETRA FOCKE ACADEMIA 4X1 BRA 2:11.92		



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TADAHIRO NAKAJIMA
C. R. ICARAI BRA 5:32.63
LUZIA CARACCILO
LUIZ SAPIENZA
NORA RONAI
GASTAO FIGUEIREDO