

World Masters Top 10
LCM (50 M)

*****	1:10.74	TANJA OP DEN ORTH	GER	2:28.04	CRISTINA TEUSCHER	GBR	19:11.20	LAURA VOLPI	ITA			
*****	1:10.77	ELEANOR THOMSON	GBR	2:30.59	ANU RAIKKONEN	FIN	19:20.05	ANDREA HALBACH	GER			
WOMEN 25-29	1:10.95	JENNY SLINN	CAN	2:32.22	CINDY BERTELINK	CAN	19:26.66	EMILY SMITH	USA			
*****	1:11.00	ZSEJKE TUSA	USA	2:32.33	EMILY BRESSER	USA	50 M. BACK					
50 M. FREE	1:11.90	KATHRYN BRODKIN	USA	2:34.23	CHRIS WIEGAND	GER	31.64	GITTE RAAGAARD	DEN			
25.42	ANNABEL KOSTEN	NED	1:11.95	CLARE GAMBLE	GBR	2:34.39	M.SANCHEZ	GBR	31.76	M.RIVERA	VEN	
27.19	MIHO OKUHARA	JPN	200 M. BACK		2:34.92	ELVIRA JONKERS	NED	31.79	CHIE UDA	JPN		
27.53	EKATERINA YUDINA	RUS	2:19.08	KANA OHASHI	JPN	2:35.08	CORNELIA HELLER	GER	31.95	MONICA SORO	ITA	
27.66	JENNIFER BROOKS	USA	2:22.41	LIA OBERSTAR	USA	400 M. I.M.		32.83	NORIKO YOKOI	JPN		
27.67	ALFONSINA IRACE	ITA	2:27.65	JANE SOLOMON	GBR	5:10.54	CRISTINA TEUSCHER	GBR	32.87	YUKI WAKUI	JPN	
27.85	TAMARA VAN GORKOM	NED	2:27.83	TAMAKO KIHARA	JPN	5:22.91	HELGA SCHLAPPAL	GER	33.02	KAZUYO UEMURA	JPN	
27.89	ZSEJKE TUSA	USA	2:31.07	EBONY CURRELL	AUS	5:23.21	A.REKOWSKI	GER	33.18	GIULIANA BOTTI	ITA	
27.94	ANKE SEEGER	GER	2:31.89	NAHOMI ERIGUCHI	JPN	5:28.05	M.SANCHEZ	GBR	33.27	KATRIN LEHMANN	GER	
28.14	SAMANTHA SIMON	BRA	2:33.60	EMILY BRESSER	USA	5:28.48	DANIELA BAUMGARDT	GER	33.30	STEFANIA CORVO	ITA	
28.14	ZUZANA NEMEOVSKA	SVK	2:35.24	TANJA OP DEN ORTH	GER	5:29.46	CORINNA MIEDE	GER	100 M. BACK			
100 M. FREE	2:36.11	JENNY SLINN	CAN	2:36.11	JENNY SLINN	CAN	5:30.22	DANIELA RUDOLPH	GER	1:07.13	M.RIVERA	VEN
1:00.02	HITOMI MATSUDA	JPN	2:36.11	KATHRYN BRODKIN	USA	5:31.67	LISELOTTE JOLING	NED	1:08.40	JOANNA CORBEN	GBR	
1:00.13	MIHO OKUHARA	JPN	50 M. BRST		5:32.06	ELEANOR THOMSON	GBR	1:08.46	GITTE RAAGAARD	DEN		
1:00.19	ZUZANA NEMEOVSKA	SVK	35.53	MARIA TATAOUROVA	RUS	5:34.67	TIFFANY TAULBEE	USA	1:10.47	OXANA BRONITSKAIA	RUS	
1:00.34	TAMARA VAN GORKOM	NED	35.57	BARBARA ARRIGO	ITA	*****		1:11.04	RAPHAELA RICHTER	GER		
1:00.35	CRISTINA TEUSCHER	GBR	35.66	HITOMI MATSUDA	JPN	WOMEN 30-34		1:11.27	NADINE DAY	USA		
1:00.74	LIESL TANER	USA	35.68	CORNELIA HELLER	GER	*****		1:12.02	MONICA SORO	ITA		
1:00.95	KRISTA DE REUS	NED	35.76	KATJA WACHTER	GER	50 M. FREE		1:12.92	NORIKO OSUGI	JPN		
1:00.96	SAMANTHA SIMON	BRA	35.83	FIONA MARSHALL	GBR	26.18	KATRINA RADKE	USA	1:12.99	MELISSA VARLAS	USA	
1:01.02	JENNIFER BROOKS	USA	35.86	TAMARA VAN GORKOM	NED	27.35	MELINDA MAROSI	HUN	1:13.12	NORIKO YOKOI	JPN	
1:01.31	DANIELA BAUMGARDT	GER	35.99	VANESSA ALONSO	ESP	27.49	BETH ELDRIDGE	USA	2:24.24	JOANNA CORBEN	GBR	
200 M. FREE	36.00	MEGUMI SAKAGUCHI	JPN	36.00	MEGUMI SAKAGUCHI	JPN	27.67	L.SPINADIN	ITA	2:25.67	GITTE RAAGAARD	DEN
2:10.52	CRISTINA TEUSCHER	GBR	36.04	JIAJIA WANG	USA	27.73	ERIKA BRAUN	USA	2:33.33	OXANA BRONITSKAIA	RUS	
2:12.67	MARIE ATKINSON	GBR	100 M. BRST		27.73	M.RIVERA	VEN	2:33.99	NADINE DAY	USA		
2:12.85	TAMARA VAN GORKOM	NED	1:16.62	ALLISON WAGNER	USA	27.76	NADINE DAY	USA	2:35.00	LAURA BIANZANI	ITA	
2:12.88	ZUZANA NEMEOVSKA	SVK	1:16.91	BARBARA ARRIGO	ITA	28.06	MONICA SORO	ITA	2:35.03	MELISSA VARLAS	USA	
2:14.40	BARBARA ARRIGO	ITA	1:18.12	CRISTINA TEUSCHER	GBR	28.12	SUSAN HILL	GBR	2:35.60	ALISON ZAMANIAN	USA	
2:14.42	HITOMI MATSUDA	JPN	1:18.27	EMILY BRESSER	USA	28.13	MADDALENA FORNI	ITA	2:37.54	ALISON USHER	GBR	
2:15.07	DANIELA BAUMGARDT	GER	1:18.31	MARIA TATAOUROVA	RUS	100 M. FREE		2:38.39	RAPHAELA RICHTER	GER		
2:15.49	SARAH COLLINGS	GBR	1:18.77	CORNELIA HELLER	GER	59.94	MELINDA MAROSI	HUN	2:39.66	LAURA PALASCIANO	ITA	
2:15.69	CORINNA MIEDE	GER	1:18.84	JIAJIA WANG	USA	1:00.32	NADINE DAY	USA	50 M. BRST			
2:15.77	JENNIFER BROOKS	USA	1:20.02	KATJA WACHTER	GER	1:00.48	M.RIVERA	VEN	34.70	KAREN JACKSON	GBR	
400 M. FREE	1:20.21	CAROLE EYLES	GBR	1:20.21	CAROLE EYLES	GBR	1:00.62	SUSAN HILL	GBR	35.40	A.SACCHIERO	ITA
4:30.24	CRISTINA TEUSCHER	GBR	1:20.39	FIONA MARSHALL	GBR	1:00.99	MONICA SORO	ITA	35.44	NADINE DAY	USA	
4:37.59	HITOMI MATSUDA	JPN	200 M. BRST		1:01.41	LARA CLARKE	GBR	35.70	K.SEEGER-BOESE	GER		
4:43.11	DANIELA BAUMGARDT	GER	2:43.89	CRISTINA TEUSCHER	GBR	1:01.54	BETH ELDRIDGE	USA	36.06	BRITT STOTT	RSA	
4:43.34	MARIE ATKINSON	GBR	2:44.80	BARBARA ARRIGO	ITA	1:01.94	JENNIFER KOBI	CAN	36.07	LUCY RYAN	GBR	
4:43.48	HELGA SCHLAPPAL	GER	2:48.10	ALLISON WAGNER	USA	1:02.32	ERIKA BRAUN	USA	36.26	PETRA DUDA	GER	
4:43.50	BARBARA ARRIGO	ITA	2:50.38	MARIA TATAOUROVA	RUS	1:02.68	HANNAH PAULL	GBR	36.43	LUCY CLARKE	GBR	
4:44.16	TAMAKO KIHARA	JPN	2:51.08	CAROLE EYLES	GBR	200 M. FREE		36.95	KIYOKO HOKURA	JPN		
4:45.07	CINDY BERTELINK	CAN	2:51.64	CORNELIA HELLER	GER	2:09.14	NADINE DAY	USA	36.97	PIA NEUMERKEL	GER	
4:45.67	A.REKOWSKI	GER	2:51.85	ULRIKE MEHNERT	GER	2:13.55	SUSAN HILL	GBR	100 M. BRST			
4:46.67	TAMARA VAN GORKOM	NED	2:52.58	TRACEY JENNINGS	GBR	2:13.90	CRISTINA SOSSI	ITA	1:15.45	NADINE DAY	USA	
800 M. FREE	2:53.40	KATJA WACHTER	GER	2:53.40	KATJA WACHTER	GER	2:14.16	LAURA VOLPI	ITA	1:15.62	KAREN JACKSON	GBR
9:33.33	HELGA SCHLAPPAL	GER	2:54.68	EMILY BRESSER	USA	2:14.69	MONICA SORO	ITA	1:19.21	BRITT STOTT	RSA	
9:38.35	HITOMI MATSUDA	JPN	50 M. FLY		2:15.12	JACQUI ROBINSON	AUS	1:19.32	K.SEEGER-BOESE	GER		
9:40.84	MARIE ATKINSON	GBR	28.53	JENNIFER BROOKS	USA	2:15.67	DEBORAH MAGARRY	GBR	1:19.83	LUCY CLARKE	GBR	
9:42.24	A.REKOWSKI	GER	29.11	ALFONSINA IRACE	ITA	2:15.88	ANDREA HALBACH	GER	1:19.83	A.SACCHIERO	ITA	
9:43.71	DANIELA BAUMGARDT	GER	29.14	E.BELLINGER	GBR	2:16.03	BARBARA GRILLO	ITA	1:19.99	PETRA DUDA	GER	
9:52.40	BARBARA ARRIGO	ITA	29.26	EKATERINA YUDINA	RUS	2:17.06	DEBBIE YOUNGER	CAN	1:20.24	LUCY RYAN	GBR	
9:52.89	JANE SOLOMON	GBR	29.37	ZSEJKE TUSA	USA	400 M. FREE		1:21.17	KATERINE MORENO	BOL		
9:55.22	MARCIE HERZOG	USA	29.43	MARIA TATAOUROVA	RUS	4:37.13	NADINE DAY	USA	1:21.86	KELLY WILLIS	USA	
9:57.31	TAMARA VAN GORKOM	NED	29.44	MIHO OKUHARA	JPN	4:39.56	CRISTINA SOSSI	ITA	200 M. BRST			
9:59.93	KATIE NIMMO	GBR	30.12	STEFANIA MARINO	ITA	4:40.19	DEBORAH MAGARRY	GBR	2:45.80	KAREN JACKSON	GBR	
1500 M. FREE	30.15	KIRSTEN HARTIG	GER	30.15	KIRSTEN HARTIG	GER	4:40.28	MIEKE SMET	BEL	2:48.25	NADINE DAY	USA
17:41.64	LINDA GALLO	USA	30.19	NAHOMI ERIGUCHI	JPN	4:45.93	BARBARA GRILLO	ITA	2:49.71	BRITT STOTT	RSA	
18:34.72	ANYA KOLBISEN	USA	100 M. FLY		4:48.29	JACQUI ROBINSON	AUS	2:51.11	KATJA SEEGER-BOSE	GER		
19:09.66	MARCIE HERZOG	USA	1:05.11	ZSEJKE TUSA	USA	4:48.76	DIANNA SZOKOL	HUN	2:51.31	KATERINE MORENO	BOL	
19:10.17	CHRISTY HALL	USA	1:05.18	JENNIFER BROOKS	USA	4:49.20	GRITH SIGSGAARD	DEN	2:53.61	LUCY CLARKE	GBR	
19:14.31	ELVIRA JONKERS	NED	1:06.42	E.BELLINGER	GBR	4:49.34	NICOLA LATTY	GBR	2:54.21	LUCY RYAN	GBR	
19:21.78	JANE SOLOMON	GBR	1:06.47	ALFONSINA IRACE	ITA	4:49.35	ANDREA HALBACH	GER	2:56.88	PETRA DUDA	GER	
19:24.08	LISELOTTE JOLING	NED	1:07.03	GIORGIA SALA	ITA	800 M. FREE		2:57.53	G.CHERUBINI	ITA		
19:29.84	JENNIFER KAPPLER	USA	1:07.42	ZUZANA NEMEOVSKA	SVK	9:25.74	CRISTINA SOSSI	ITA	2:59.31	KAJA-WINKE PISTEL	GER	
19:49.87	PATRICIA FLYNN	USA	1:07.97	JUTTA SPAETH	GER	9:34.19	MIEKE SMET	BEL	50 M. FLY			
19:50.16	JULIE PETERSON	USA	1:08.00	DANIELA BAUMGARDT	GER	9:38.34	DEBORAH MAGARRY	GBR	29.19	LAURA BIANZANI	ITA	
50 M. BACK	1:08.01	SAMANTHA SIMON	BRA	1:08.23	SIMONE DICKMANN	GER	9:41.94	NADINE DAY	USA	29.37	NADINE DAY	USA
30.52	NAHOMI ERIGUCHI	JPN	1:08.23	SIMONE DICKMANN	GER	9:50.72	BARBARA GRILLO	ITA	29.55	YUKI WAKUI	JPN	
31.38	KANA OHASHI	JPN	200 M. FLY		9:52.83	GRITH SIGSGAARD	DEN	29.65	DEBBIE YOUNGER	CAN		
31.55	JENNIFER BROOKS	USA	2:28.97	GIORGIA SALA	ITA	9:56.45	SHARON TIRAN	RSA	29.95	KATRIN LEHMANN	GER	
32.29	JANE SOLOMON	GBR	2:31.45	HELGA SCHLAPPAL	GER	9:57.50	LAURA VOLPI	ITA	29.96	OXANA BRONITSKAIA	RUS	
32.46	SARA POMPEI	ITA	2:31.55	A.REKOWSKI	GER	9:59.54	NICOLA LATTY	GBR	30.08	M.RIVERA	VEN	
32.48	ELEANOR THOMSON	GBR	2:34.24	ELVIRA JONKERS	NED	10:04.22	ANDREA HALBACH	GER	30.48	KYOKO YAMADA	JPN	
32.52	ZSEJKE TUSA	USA	2:34.41	JUTTA SPAETH	GER	1500 M. FREE		30.53	KATHRYN OWENS	GBR		
32.60	GAIA MALACALZA	ITA	2:34.93	DIANE DRAKE	USA	18:14.37	ALISON ZAMANIAN	USA	30.58	PAOLA DE ANGELIS	ITA	
32.65	TANJA OP DEN ORTH	GER	2:35.06	CORINNA MIEDE	GER	18:28.55	JACQUI ROBINSON	AUS	100 M. FLY			
32.79	EMILY BRESSER	USA	2:36.09	DANIELA RUDOLPH	GER	18:31.83	DEBORAH MAGARRY	GBR	1:04.08	LAURA BIANZANI	ITA	
100 M. BACK	2:38.52	LISELOTTE JOLING	NED	2:38.52	LISELOTTE JOLING	NED	18:32.42	NADINE DAY	USA	1:06.00	DEBBIE YOUNGER	CAN
1:05.61	KANA OHASHI	JPN	2:40.89	M.GIORDO	ITA	18:47.42	BARBARA GRILLO	ITA	1:06.22	OXANA BRONITSKAIA	RUS	
1:06.37	LIA OBERSTAR	USA	200 M. I.M.		18:58.09	GRITH SIGSGAARD	DEN	1:06.26	NADINE DAY	USA		
1:07.35	NAHOMI ERIGUCHI	JPN	2:24.17	HITOMI MATSUDA	JPN	19:02.37	NICOLA LATTY	GBR	1:06.62	LARA CLARKE	GBR	
1:07.86	JANE SOLOMON	GBR	2:27.85	KANA OHASHI	JPN							

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LCM (50 M)

1:08.23	MELISSA VARLAS	USA	800 M.	FREE	2:58.38	HELEN MCDAID	IRL	2:13.38	C PETERSEN	USA	
1:08.36	KARINE JANNOT	FRA	9:37.88	ANA PAULA GRILLO	POR	2:58.99	HOFMANN-SCHIEDLER	GER	2:13.65	SUSANNE SIMPSON	USA
1:08.47	YURIKA HIROSE	JPN	9:48.83	ELKE HAGEDORN	GER	2:59.59	KEIKO OKAMOTO	JPN	2:14.19	S.REIBEL-OBERLE	GER
1:08.53	LAURA VON GLUCK	USA	9:49.40	AMANDA PICARD	GBR	50 M.	FLY		2:15.52	DIANA MC DONOUGH	USA
1:08.79	NICOLA LATTY	GBR	10:06.42	CASSANDRA LINDSAY	AUS	29.29	SILVIA PAROCCHI	ITA	2:16.70	N.MUIR-COCHRANE	GBR
200 M.	FLY		10:09.60	HEATHER HAGADORN	USA	29.42	EDITH OTTERMANN	RSA	2:17.66	LYNN MARSHALL	CAN
2:21.46	LAURA BIANZANI	ITA	10:10.03	ANETT EHLERT	GER	29.46	PEGGY GROSS	USA	2:18.26	LYNNETT HENNESSEY	USA
2:25.18	NADINE DAY	USA	10:11.59	DANA WOODY	USA	29.56	ILARIA TOCCHINI	ITA	2:18.60	KELLY PARKER	USA
2:26.15	NICOLA LATTY	GBR	10:11.77	JOLANDA OUDKERK	GER	29.57	S VON DER LIPPE	USA	2:18.77	SARAH MACDONALD	CAN
2:28.97	MIEKE SMET	BEL	10:13.61	M TERESA GARCIA	ESP	30.35	JOLANDA OUDKERK	GER	400 M.	FREE	
2:30.58	DEBBIE YOUNGER	CAN	10:16.74	PAMELA SMART	AUS	30.53	VICTORIA WATSON	GBR	4:33.47	K PIPES-NEILSEN	USA
2:32.17	MELISSA VARLAS	USA	10:16.74	S.BURNERT THUMM	FRA	30.55	MIKI TAKAYAMA	JPN	4:39.93	SUSANNE SIMPSON	USA
2:32.57	KARINE JANNOT	FRA	1500 M.	FREE	30.57	SYLVIA BUXTON	USA	4:40.36	C PETERSEN	USA	
2:33.26	JACQUI ROBINSON	AUS	18:37.46	AMANDA PICARD	GBR	30.57	SANDRA CROUSSE	PER	4:43.05	N.MUIR-COCHRANE	GBR
2:34.30	ALISON ZAMANIAN	USA	18:59.67	ELKE HAGEDORN	GER	100 M.	FLY		4:45.53	DIANA MCDONOUGH	PUR
2:34.88	GEA TIMMER	NED	19:32.05	DANA WOODY	USA	1:05.02	PEGGY GROSS	USA	4:46.41	S.REIBEL-OBERLE	GER
200 M.	I.M.		19:32.16	HEATHER HAGADORN	USA	1:06.39	SILVIA PAROCCHI	ITA	4:47.77	LYNN MARSHALL	CAN
2:24.12	NADINE DAY	USA	19:55.93	SOL SEGOVIA	ESP	1:08.07	EVGENIYA OZHOGINA	RUS	4:50.52	CLAUDIA KERN	GER
2:29.41	MONICA SORO	ITA	19:58.58	MARGARET REILLY	USA	1:08.08	BIRGIT LOHBERG	USA	4:52.69	ANNA MARIA NUNIA	ITA
2:30.12	LAURA BIANZANI	ITA	20:04.15	CASSIE LINDSAY	AUS	1:08.13	JENNIFER RIDGE	USA	4:52.88	ANDREA BLOCK	USA
2:31.82	GITTE RAAGAARD	DEN	20:08.52	PAMELA SMART	AUS	1:08.21	JOLANDA OUDKERK	GER	800 M.	FREE	
2:32.30	DEBBIE YOUNGER	CAN	20:28.13	A LUALLEN-EGG	USA	1:08.31	MIKI TAKAYAMA	JPN	9:34.55	N.MUIR-COCHRANE	GBR
2:33.36	OXANA BRONITSKAIA	RUS	20:29.78	NANCY NORTH	USA	1:08.72	KATHERINE VEALE	GBR	9:39.53	C PETERSEN	USA
2:33.57	KAREN JACKSON	GBR	50 M.	BACK	1:08.82	DANIELA DE PONTI	ITA	9:41.90	SUSANNE SIMPSON	USA	
2:33.91	JOANNA CORBEN	GBR	32.58	SILVIA PAROCCHI	ITA	1:09.45	PAOLA RODIGHIERO	ITA	9:48.60	K PIPES-NEILSEN	USA
2:35.24	ALISON ZAMANIAN	USA	32.70	HIROKO NOGUCHI	JPN	200 M.	FLY		9:54.25	DIANA MC DONOUGH	USA
2:35.50	LARA CLARKE	GBR	32.86	ANNETT REX	GER	2:27.70	EVGENIYA OZHOGINA	RUS	9:57.28	CLAUDIA KERN	GER
400 M.	I.M.		33.06	ILARIA TOCCHINI	ITA	2:31.64	ANA PAULA GRILLO	POR	10:00.06	ANNA MARIA NUNIA	ITA
5:09.93	NADINE DAY	USA	33.07	KRISTIN GARY	USA	2:31.90	N.CADENA	MEX	10:00.26	LYNN MARSHALL	CAN
5:17.90	MIEKE SMET	BEL	33.08	CSILLA CSIKANY	HUN	2:36.03	BIRGIT LOHBERG	USA	10:00.58	KELLY PARKER	USA
5:21.65	LAURA BIANZANI	ITA	33.18	ANDREA LUALLEN	USA	2:36.16	MIYUKI YAMAGUCHI	JPN	10:05.11	LYNNETT HENNESSEY	USA
5:28.48	LARA CLARKE	GBR	33.23	SYLVIA BUXTON	USA	2:37.18	SANDIE EASTON	USA	1500 M.	FREE	
5:28.61	GITTE RAAGAARD	DEN	33.42	CORINNA KRIETSCH	GER	2:37.43	JOLANDA OUDKERK	GER	18:15.98	N.MUIR-COCHRANE	GBR
5:28.63	ALISON ZAMANIAN	USA	33.54	LENKA NEMECKOVA	CZE	2:37.74	NICOLA DURRHEIM	RSA	18:24.25	K PIPES-NEILSEN	USA
5:28.99	NICOLA LATTY	GBR	100 M.	BACK	2:38.34	BEATE SCHOLTYSSSEK	GER	18:39.57	LYNN MARSHALL	CAN	
5:30.08	DEBBIE YOUNGER	CAN	1:09.33	SILVIA PAROCCHI	ITA	2:38.42	JACKIE HEER	USA	19:00.13	ANNA MARIA NUNIA	ITA
5:32.64	MONICA SORO	ITA	1:10.41	KRISTIN GARY	USA	200 M.	I.M.		19:15.25	REBECCA KALIBAT	USA
5:32.79	NICOLE HENSSEN	GER	1:10.45	A LUALLEN-EGG	USA	2:28.83	SILVIA PAROCCHI	ITA	19:16.22	KELLY PARKER	USA
*****			1:11.80	ANNETT REX	GER	2:34.00	ANNETT REX	GER	19:16.64	DIANA MCDONOUGH	USA
*****			1:12.23	CORINNA KRIETSCH	GER	2:34.58	JENNIFER RIDGE	USA	19:30.86	SUSANNE SIMPSON	NZL
*****			1:12.38	HELEN WHITFORD	AUS	2:35.32	DANIELA DE PONTI	ITA	19:33.94	REBECCA PERROTT	NZL
*****			1:13.44	L.FILANGERI	ITA	2:36.84	JILL GELLATLY	USA	19:47.43	ANDREA BLOCK	USA
*****			1:13.79	LENKA NEMECKOVA	CZE	2:37.38	R.CATTANEO	ITA	50 M.	BACK	
50 M.	FREE		1:13.81	ROBYN BREWINGTON	USA	2:37.92	BEATE SCHOLTYSSSEK	GER	31.99	BEVERLEY MCCARNEY	RSA
26.53	EDITH OTTERMANN	RSA	1:13.99	IARA SCARPELLI	BRA	2:38.50	SOPHIE MONGINET	BRA	32.31	SUSAN WALSH	USA
26.85	PEGGY GROSS	USA	200 M.	BACK	2:38.74	ANA PAULA GRILLO	POR	32.68	KARIN SEICK	GER	
27.41	YUKIKO OZAWA	JPN	2:29.15	SILVIA PAROCCHI	ITA	2:39.63	AMANDA PICARD	SUI	33.56	UTE ROMBERG	GER
27.56	DELIA DEMATTI	ITA	2:31.96	KRISTIN GARY	USA	400 M.	I.M.		33.61	SALLY BELL	AUS
27.97	SANDRA CROUSSE	PER	2:32.87	K.WULFF-HOPPE	GER	5:30.52	KATHERINE VEALE	GBR	33.62	TRISCHA ZORN	USA
28.10	B.OLAFSDOTTIR	GER	2:33.26	SANDIE EASTON	USA	5:34.11	AMANDA PICARD	GBR	33.64	JOAN SCHRIGER	USA
28.34	JENNIFER RIDGE	USA	2:34.45	HELEN WHITFORD	AUS	5:38.77	LAUREN WELTING	USA	33.69	LISA DAHL	USA
28.41	ANA-PAULA GRILLO	GER	2:37.53	BIRGIT LOHBERG	USA	5:41.32	R.CATTANEO	ITA	33.85	SYBILLE ERMISCH	GER
28.46	KIM MACKLIN	USA	2:38.18	ANDREA LUALLEN	USA	5:42.06	SOPHIE MONGINET	BRA	33.89	ELLEN REYNOLDS	USA
28.51	SYLVIA BUXTON	USA	2:38.64	CORINNA KRIETSCH	GER	5:44.54	HELEN WHITFORD	AUS	100 M.	BACK	
100 M.	FREE		2:40.06	MIKI NAMAI	JPN	5:44.57	BEATE SCHOLTYSSSEK	GER	1:08.66	K PIPES-NEILSEN	USA
59.48	PEGGY GROSS	USA	2:40.34	JILL GELLATLY	USA	5:45.40	STEFANIA PETRONI	ITA	1:11.77	JOAN SCHRIGER	USA
1:00.57	SILVIA PAROCCHI	ITA	50 M.	BRST	5:46.55	HEIKE RUCKER	GER	1:12.16	UTE ROMBERG	GER	
1:00.74	JENNIFER RIDGE	USA	33.64	SYLVIA GERASCH	GER	5:51.84	N.CADENA	MEX	1:12.19	ELLEN REYNOLDS	USA
1:01.19	YUKIKO OZAWA	JPN	35.13	STEFANIA MONTI	ITA	*****			1:12.34	SUSAN WALSH	USA
1:01.36	LAUREN WELTING	USA	35.48	ANNETT REX	GER	*****			1:13.01	SALLY BELL	AUS
1:01.60	EDITH OTTERMANN	RSA	35.67	KIM MACKLIN	USA	*****			1:13.66	CAROLINE KRATTLI	USA
1:01.66	ANA PAULA GRILLO	POR	36.35	QUINELDA DEARDS	GBR	*****			1:14.18	MARIA ALWINE EDER	ITA
1:01.68	B.OLAFSDOTTIR	GER	36.57	TOMOMI MIYAZONO	JPN	50 M.	FREE		1:14.19	TRISCHA ZORN	USA
1:02.00	SANDRA CROUSSE	PER	36.88	DANIELA DE PONTI	ITA	27.91	BEVERLEY MCCARNEY	RSA	1:14.41	MASAMI HIGURASHI	JPN
1:02.10	MARIE ROYAL	GBR	36.97	HOFMANN-SCHIEDLER	GER	27.92	LISA DAHL	USA	200 M.	BACK	
200 M.	FREE		37.24	V.SCHLESINGER	GER	27.98	DIANA MC DONOUGH	USA	2:27.03	K PIPES-NEILSEN	USA
2:11.83	ANA PAULA GRILLO	POR	37.33	LOUISE KEOGH	USA	28.02	SARAH MACDONALD	CAN	2:36.54	N.MUIR-COCHRANE	GBR
2:15.09	SILVIA PAROCCHI	ITA	100 M.	BRST	28.10	SUSAN WALSH	USA	2:38.29	SALLY BELL	AUS	
2:15.12	JENNIFER RIDGE	USA	1:15.11	S VON DER LIPPE	USA	28.25	S.REIBEL-OBERLE	GER	2:39.11	ELLEN REYNOLDS	USA
2:15.44	MARIE ROYAL	GBR	1:15.36	SYLVIA GERASCH	GER	28.28	CATHY CODLING	AUS	2:39.91	C PETERSEN	USA
2:16.69	LAUREN WELTING	USA	1:17.34	ANNETT REX	GER	28.35	K PIPES-NEILSEN	USA	2:40.34	JOAN SCHRIGER	USA
2:16.90	HEATHER HAGADORN	USA	1:20.55	QUINELDA DEARDS	GBR	28.39	STEFFI NIEMITZ	GER	2:40.78	MASAMI HIGURASHI	JPN
2:17.22	S.BURNERT THUMM	FRA	1:20.90	KIM MACKLIN	USA	28.43	KATHY GARNIER	USA	2:40.94	CAROLINE KRATTLI	USA
2:18.01	AMANDA PICARD	GBR	1:21.15	HOFMANN-SCHIEDLER	GER	100 M.	FREE		2:41.55	UTE ROMBERG	GER
2:19.43	NORMA CAHILL	IRL	1:21.95	TOMOMI MIYAZONO	JPN	59.59	K PIPES-NEILSEN	USA	2:42.58	JUDITH CROMJONGH	NED
2:19.64	JILL GELLATLY	USA	1:22.00	V.SCHLESINGER	GER	1:00.39	BEVERLEY MCCARNEY	RSA	50 M.	BRST	
400 M.	FREE		1:22.16	DANIELA DE PONTI	ITA	1:01.09	S.REIBEL-OBERLE	GER	34.20	S.SEMINATORE	ITA
4:41.59	ANA PAULA GRILLO	POR	1:22.18	HELEN MCDAID	IRL	1:01.17	SARAH MACDONALD	CAN	35.59	CAROLINE KRATTLI	USA
4:43.18	AMANDA PICARD	GBR	200 M.	BRST	1:02.06	DIANA MCDONOUGH	PUR	35.77	ELKE SCHMITZ	GER	
4:46.84	LAUREN WELTING	USA	2:47.19	SYLVIA GERASCH	GER	1:02.24	SUSAN WALSH	USA	35.88	MARIE CHARLES	FRA
4:49.33	ELKE HAGEDORN	GER	2:47.95	ANNETT REX	GER	1:03.02	C PETERSEN	USA	36.52	SVETLANA SAVINO	FIN
4:51.42	HEATHER HAGADORN	USA	2:54.07	JENNIFER RIDGE	USA	1:03.15	MARIA ALWINE EDER	ITA	36.56	KATHY RENARD	CAN
4:53.18	JILL GELLATLY	USA	2:55.38	STEFANIA MONTI	ITA	1:03.46	STEFFI NIEMITZ	GER	37.10	ALBENA POPOVA	ITA
4:53.35	ANETT EHLERT	GER	2:55.65	LOUISE KEOGH	USA	1:03.46	BETH MCGEE	USA	37.23	SATOKO TOKITA	JPN
4:53.54	JOLANDA OUDKERK	GER	2:56.25	TOMOMI MIYAZONO	JPN	200 M.	FREE		37.41	K PIPES-NEILSEN	USA
4:57.14	CASSIE LINDSAY	AUS	2:57.03	R.CATTANEO	ITA	2:09.34	K PIPES-NEILSEN	USA	37.69	PATRICIA POWIS	USA
4:58.17	S.BURNERT THUMM	FRA									

World Masters Top 10

LCM (50 M)

37.27	ANN GUINS	USA	2:57.21	SUSAN SKIFF	ITA	12:06.98	LINDA SHOENBERGER	USA	35.56	BARBARA DUNBAR	USA
37.39	JANETTE JEFFREY	AUS	3:03.38	CLAUDIA KOCH	GER	12:07.61	ANGELIKA RADAU	GER	35.91	CAROLYN BOAK	USA
37.57	PILAR AVRITH	CAN	3:03.83	FRANCES PENWARDEN	GBR	1500 M.	FREE		36.48	HARRIET BURE	USA
37.60	MORAG BROMFIELD	RSA	3:11.76	M.HILLENBRAND	GER	19:52.61	BARBARA DUNBAR	USA	36.75	UTA HOFFMANN	GER
37.65	KARLEN TREBESINER	USA	3:12.08	MIDORI NAKAYAMA	JPN	21:50.22	MEREDITH MOORE	USA	100 M.	FLY	
100 M.	BACK		3:12.08	BEVERLY AMICK	USA	21:52.27	MARGARETA RAINER	SWE	1:18.97	BARBARA DUNBAR	USA
1:19.63	BARBARA STUBBE	GER	3:14.16	ROSEMARIE CALMUS	GER	23:34.15	JULIE CRAYFORD	GBR	1:19.28	BRIGITTE MERTEN	GER
1:20.75	JOEL FELDMANN	USA	200 M.	I.M.		23:35.41	SUSANA BARKLEY	ESP	1:22.30	SUSANA BARKLEY	ESP
1:21.98	PILAR AVRITH	CAN	2:44.30	ROBIN PARISI	USA	23:36.49	ANGELIKA RADAU	GER	1:27.58	A SUSAN TYLER	USA
1:22.19	B.STATKEVICIENE	LTU	2:48.07	LAURA VACA	MEX	23:40.76	MIREILLE RICHTER	SUI	1:28.55	UTA HOFFMANN	GER
1:22.59	KARLEN TREBESINER	USA	2:53.51	B.STATKEVICIENE	LTU	23:50.02	BETTY VEATER	USA	1:30.20	KEIKO HONDA	JPN
1:22.80	LINDA HUNT	CAN	2:56.24	FRANCES PENWARDEN	GBR	24:11.80	KATHRINE CASEY	USA	1:31.18	CHRISTIE ALTMAN	USA
1:23.50	JANETTE JEFFREY	AUS	2:57.85	MIRA GUGLIELMI	ITA	24:20.10	MYRIAM PERO	USA	1:31.65	CATHY MANCINO	USA
1:23.64	ANN GUINS	USA	2:59.22	PAT SARGEANT	USA	50 M.	BACK		1:31.78	HARRIET BURE	SWE
1:24.04	ANNE LABORWIT	USA	3:00.27	CLAUDIA KOCH	GER	36.36	MICHIKO KIHARA	JPN	1:31.82	RITSUKO KUROSAWA	JPN
1:24.61	DIANE WHITE	GBR	3:00.65	CATHY MERRITT	CAN	36.44	PENNY STEELE	AUS	200 M.	FLY	
200 M.	BACK		3:00.67	MIDORI NAKAYAMA	JPN	36.98	BROOKE LYNCH	USA	2:53.74	BARBARA DUNBAR	USA
2:56.01	B.STATKEVICIENE	LTU	3:00.94	M.HILLENBRAND	GER	37.04	MARGIT OHLSSON	SWE	3:07.25	SUSANA BARKLEY	ESP
2:56.11	BARBARA STUBBE	GER	400 M.	I.M.		37.07	YOKO NAKAMURA	JPN	3:14.29	JULIE CRAYFORD	GBR
2:58.30	PILAR AVRITH	CAN	5:53.85	LAURA VACA	MEX	37.20	DEBORAH BARTON	GBR	3:24.39	GINGER PIERSON	USA
2:58.66	SKIPPY MATTON	USA	6:13.66	ULRIKE URBANIAK	GER	37.27	B BARNETT-SALLEE	USA	3:24.99	RITSUKO KUROSAWA	JPN
2:58.74	B.DUPREZ-BAZUREAU	FRA	6:15.96	JAYNE BALL	GBR	37.73	TAKAKO NAKAHARA	JPN	3:29.69	ELISABETH REINEKE	GER
2:59.68	KARLEN TREBESINER	USA	6:18.41	SUSAN SKIFF	ITA	38.50	CAROL FELLOWS	GBR	3:30.79	GISELA FURST	GER
2:59.82	CLAUDIA KOCH	GER	6:22.21	B.STATKEVICIENE	LTU	38.74	LYNETTE STEVENSON	AUS	3:33.06	PATRICIA JACKSON	GBR
3:01.41	VICKI SERIANNI	USA	6:23.00	MIRA GUGLIELMI	ITA	100 M.	BACK		3:34.48	INGEBORG SEIDEL	GER
3:01.79	LINDA HUNT	CAN	6:23.69	M.HILLENBRAND	GER	1:22.12	MARGIT OHLSSON	SWE	3:35.71	JUNKO IDE	JPN
3:02.36	MIRA GUGLIELMI	ITA	6:24.27	SKIPPY MATTON	USA	1:24.66	PENNY STEELE	AUS	200 M.	I.M.	
50 M.	BRST		6:27.46	MIDORI NAKAYAMA	JPN	1:25.81	BROOKE LYNCH	USA	2:54.96	BRIGITTE MERTEN	GER
37.93	PETRA SCHROER	GER	6:32.89	ROSEMARIE CALMUS	GER	1:25.87	BARBARA DUNBAR	USA	2:59.11	BARBARA DUNBAR	USA
38.90	ULRIKE URBANIAK	GER	*****			1:26.04	TAKAKO NAKAHARA	JPN	3:05.20	JULIE CRAYFORD	GBR
39.86	ANGELA ZINGLER	GER	*****			1:26.39	MEREDITH MOORE	USA	3:08.96	CAROLYN BOAK	USA
39.88	VIRGINIA EIWEN	USA	*****			1:26.48	JULIE GUNTHERP	AUS	3:09.04	UTA HOFFMANN	GER
39.88	SANDY REEVES	RSA	*****			1:26.56	SANDERINA KRUGER	RSA	3:10.47	MARTHA ALEXANDER	USA
39.90	REGULA STEIGER	SUI	50 M.	FREE		1:27.07	JEANNIE MITCHELL	USA	3:10.92	MARGIT OHLSSON	SWE
39.97	P.CREANCE EURIAT	FRA	30.74	YOSHIKO KADOSAKA	JPN	1:29.92	N.MIKHAILOVA	RUS	3:11.62	ANNE GRAMS	USA
40.06	JENNIFER MERRITT	GBR	30.85	ROSARIO VIVANCO	PER	200 M.	BACK		3:12.02	TAKAKO NAKAHARA	JPN
40.18	DEB WALKER	USA	30.86	SANDERINA KRUGER	RSA	3:02.88	TAKAKO NAKAHARA	JPN	3:13.24	RITSUKO KUROSAWA	JPN
40.37	CONNY NEUBERT	GER	31.48	MICHIKO KIHARA	JPN	3:03.81	MARGIT OHLSSON	SWE	400 M.	I.M.	
100 M.	BRST		31.81	CAROLYN BOAK	USA	3:05.95	JULIE GUNTHERP	AUS	6:14.40	BRIGITTE MERTEN	GER
1:24.85	PETRA SCHROER	GER	31.89	LYNETTE STEVENSON	AUS	3:07.96	MEREDITH MOORE	USA	6:16.14	BARBARA DUNBAR	USA
1:25.35	ULRIKE URBANIAK	GER	32.00	F WILLIAMSON	USA	3:11.63	SANDERINA KRUGER	RSA	6:32.56	JULIE CRAYFORD	GBR
1:26.46	JENNIFER MERRITT	GBR	32.46	YOKO NAKAMURA	JPN	3:11.65	BROOKE LYNCH	USA	6:46.00	ELISABETH REINEKE	GER
1:26.72	FRANCES PENWARDEN	GBR	32.51	DEBORAH BARTON	GBR	3:12.31	SUSIE BRESLIN	GBR	6:54.62	RITSUKO KUROSAWA	JPN
1:28.62	DEB WALKER	USA	32.58	AKIKO IWAMIZU	JPN	3:12.63	MARY POHLMANN	USA	6:59.32	CHRISTIE HAYES	USA
1:29.39	SANDY REEVES	RSA	100 M.	FREE		3:13.54	TRACY CLARKSON	AUS	7:01.61	TRACY CLARKSON	AUS
1:30.03	MERRY FINCH	USA	1:08.08	SANDERINA KRUGER	RSA	3:14.96	PENNY STEELE	AUS	7:02.42	MARTHA ALEXANDER	USA
1:30.32	SUSANNE OSTGATHE	GER	1:09.45	BARBARA DUNBAR	USA	50 M.	BRST		7:03.21	CATHY MANCINO	USA
1:30.68	BARBARA HUMMEL	USA	1:09.58	ROSARIO VIVANCO	PER	38.69	JAN WICKS	AUS	7:05.56	INGEBORG SEIDEL	GER
1:31.48	REGULA STEIGER	SUI	1:09.85	F WILLIAMSON	USA	40.57	GINGER PIERSON	USA	*****		
200 M.	BRST		1:10.26	BRIGITTE MERTEN	GER	40.89	UTA HOFFMANN	GER	*****		
3:03.23	ULRIKE URBANIAK	GER	1:11.32	AKIKO IWAMIZU	JPN	41.11	JULIE CRAYFORD	GBR	*****		
3:06.28	FRANCES PENWARDEN	GBR	1:11.44	MARGARETA RAINER	SWE	41.46	YVONNE CATTRALL	CAN	*****		
3:06.94	JENNIFER MERRITT	GBR	1:12.02	CAROLYN BOAK	USA	41.82	CAROLYN BOAK	USA	50 M.	FREE	
3:12.86	DEB WALKER	USA	1:12.89	DEBORAH BARTON	GBR	41.99	ELISABETH REINEKE	GER	31.55	CHRISTEL SCHULZ	GER
3:14.07	SUSANNE OSTGATHE	GER	1:14.22	CAROL FELLOWS	GBR	42.56	JUDY ALDEN	GBR	31.66	JUDY WILSON	GBR
3:14.37	PETRA SCHROER	GER	200 M.	FREE		42.83	MEEGAN WILSON	USA	32.62	GEORGINA LOPEZ	CAN
3:14.49	AUDREY COOPER	GBR	2:28.56	BARBARA DUNBAR	USA	42.87	YOSHIKO MATSUZAKI	JPN	32.80	D.PAOLETTI	ITA
3:16.67	VIRGINIA EIWEN	USA	2:31.34	ROSARIO VIVANCO	PER	100 M.	BRST		33.35	MICHIE DOI	JPN
3:18.20	MERRY FINCH	USA	2:32.90	SANDERINA KRUGER	RSA	1:30.24	UTA HOFFMANN	GER	33.41	JEN THOMASSON	AUS
3:18.67	BARBARA HUMMEL	USA	2:33.18	F WILLIAMSON	USA	1:31.42	GINGER PIERSON	USA	33.97	JEAN HOWARD-JONES	GBR
50 M.	FLY		2:37.54	MARGARETA RAINER	SWE	1:32.61	YVONNE CATTRALL	CAN	34.02	NANCY RIDOUT	USA
30.24	ANGELA ZINGLER	GER	2:38.68	BRIGITTE MERTEN	GER	1:32.95	JULIE CRAYFORD	GBR	34.13	JACKIE MARR	USA
32.78	JOEL FELDMANN	USA	2:39.24	B BARNETT-SALLEE	USA	1:33.23	ELISABETH REINEKE	GER	34.32	SATOKO KAWATA	JPN
33.11	JACKI HIRSTY	USA	2:42.40	CAROL FELLOWS	GBR	1:34.61	KAYAKO HIROSE	JPN	100 M.	FREE	
33.26	CONNY BOER-BUYS	NED	2:42.43	MEREDITH MOORE	USA	1:34.91	MEGAN WILSON	USA	1:10.29	CHRISTEL SCHULZ	GER
33.73	DEBBIE GLASSMAN	USA	2:42.67	MARCIA BARRY	USA	1:35.24	MARGARET BAKISH	CAN	1:11.24	JUDY WILSON	GBR
33.88	ROSEMARIE CALMUS	GER	400 M.	FREE		1:35.61	ALLA KOSTADINOVA	RUS	1:14.46	JEN THOMASSON	AUS
34.73	KATHERINE HEENAN	AUS	5:08.91	BARBARA DUNBAR	USA	1:35.79	COLLEEN NELSON	CAN	1:16.05	JACKIE MARR	USA
35.10	PAT SARGEANT	USA	5:22.65	ROSARIO VIVANCO	PER	200 M.	BRST		1:16.31	GISELA CSEKO	AUT
35.19	SUMIKO HASHIMOTO	JPN	5:33.22	MEREDITH MOORE	USA	3:18.69	UTA HOFFMANN	GER	1:17.79	JEAN HOWARD-JONES	GBR
35.39	CONSUELO GRAETER	PER	5:36.40	MARGARETA RAINER	SWE	3:21.02	ALLA KOSTADINOVA	RUS	1:18.01	GEORGINA LOPEZ	CAN
100 M.	FLY		5:37.24	F WILLIAMSON	USA	3:21.76	JULIE CRAYFORD	GBR	1:18.79	CARROL WANNELL	AUS
1:12.22	ANGELA ZINGLER	GER	5:42.83	MARCIA BARRY	USA	3:22.77	ELISABETH REINEKE	GER	1:18.87	D.PAOLETTI	ITA
1:12.24	ROBIN PARISI	USA	5:45.38	CAROL FELLOWS	GBR	3:24.23	GINGER PIERSON	USA	1:19.23	EDNA DE SARACHO	MEX
1:17.08	SUSAN SKIFF	ITA	5:51.98	BRIGITTE MERTEN	GER	3:24.79	YOSHIE OGASAWARA	JPN	200 M.	FREE	
1:17.33	DEBBIE GLASSMAN	USA	5:54.52	ANGELIKA RADAU	GER	3:25.08	MEEGAN WILSON	USA	2:40.42	CHRISTEL SCHULZ	GER
1:18.72	M.NEUMEISTER	GER	5:55.79	JULIE CRAYFORD	GBR	3:28.82	RITSUKO KUROSAWA	JPN	2:41.92	JUDY WILSON	GBR
1:20.14	BEVERLY AMICK	USA	800 M.	FREE		3:28.95	P.HARRINGTON	GBR	2:42.26	JACKIE MARR	USA
1:20.80	CLAUDIA KOCH	GER	10:41.10	BARBARA DUNBAR	USA	3:29.21	HELEN JENKINS	GBR	2:50.91	PENNY WEBSTER	GBR
1:21.86	ROSEMARIE CALMUS	GER	11:19.59	MEREDITH MOORE	USA	50 M.	FLY		2:51.24	EDNA DE SARACHO	MEX
1:22.98	MIRA GUGLIELMI	ITA	11:19.96	ROSARIO VIVANCO	PER	33.88	YOSHIKO KADOSAKA	JPN	2:51.42	CARROL WANNELL	AUS
1:24.20	MIDORI NAKAYAMA	JPN	11:29.91	MARGARETA RAINER	SWE	35.14	DEBORAH BARTON	GBR	2:53.55	HANNELORE ROSE	GER
200 M.	FLY		11:39.19	MARCIA BARRY	USA	35.21	BRIGITTE MERTEN	GER	2:53.57	M.DI-CESARE	NZL
2:52.51	M.NEUMEISTER	GER	11:52.38	UTA HOFFMANN	GER	35.49	YASUKO SOGA	JPN	2:56.86	LEA HILL	AUS
2:54.27	LAURA VACA	MEX	12:00.76	JULIE CRAYFORD	GBR	35.51	JAN WICKS	AUS	2:57.21	RITSUKO SUGIMURA	JPN
2:57.02	DEBBIE GLASSMAN	USA	12:03.95	MIREILLE RICHTER	SUI	35.56	SUSANA BARKLEY	ESP	400 M.	FREE	

World Masters Top 10

LCM (50 M)

5:39.72	JACKIE MARR	USA	1:38.68	MONIKA WARNUSZ	GER	1:24.71	JEANNE LITTLE	USA	44.24	JOANN LEILICH	USA
5:48.58	JEN THOMASSON	AUS	200 M.	BRST		1:24.85	V.JOHANSSON	SWE	44.85	CHRISTINE PARFECT	GBR
5:51.33	HANNELORE ROSE	GER	3:18.05	HARRIET BERGER	GER	1:25.19	SALLY BOLAR	USA	45.32	LUISE KNOPFLE	GER
5:57.07	PENNY WEBSTER	GBR	3:20.17	BONNIE PRONK	CAN	1:25.22	OLGA KREJCI	SUI	45.70	UTE AHMELS	GER
5:58.02	CARROL WANNELL	AUS	3:21.34	HANNELORE ROSE	GER	1:25.34	TERUKO NISHISAKO	JPN	45.86	GABRIELLA TUCCI	ITA
6:03.50	EDNA DE SARACHO	MEX	3:23.14	ELAINE BROMWICH	GBR	1:25.65	BARBARA ZAREMSKI	USA	46.22	MARCELA STASTNA	CZE
6:07.44	E.KETELSEN	DEN	3:24.91	DIANE FORD	GBR	1:25.76	KIYOKO IKEUCHI	JPN	46.38	KAZUKO KAJIWARA	JPN
6:12.49	RITSUKO SUGIMURA	JPN	3:28.43	JEN THOMASSON	AUS	200 M.	FREE		46.47	HELGA KARLISCH	GER
6:14.44	M.DI-CESARE	NZL	3:30.69	MONIKA SENFTLEBEN	GER	2:42.91	YOSHIKO OSAKI	JPN	46.95	OLGA KREJCI	SUI
6:20.82	MICHIKO SHINOHARA	JPN	3:31.45	DANIELA BARNEA	USA	3:01.75	SALLY BOLAR	USA	100 M.	BRST	
800 M.	FREE		3:34.38	MONIKA WARNUSZ	GER	3:02.19	HELGA REICH	GER	1:36.41	LUISE KNOPFLE	GER
11:41.68	JACKIE MARR	USA	3:38.26	SEIKO HASEBE	JPN	3:02.50	REIKO ISHIZAKI	JPN	1:36.94	JOANN LEILICH	USA
12:12.38	CARROL WANNELL	AUS	50 M.	FLY		3:04.88	MARIA PENNA	BRA	1:39.92	MASAYO AZUMA	JPN
12:15.57	PENNY WEBSTER	GBR	33.47	JUDY WILSON	GBR	3:06.08	MARGA SCHULZE	GER	1:40.12	CHRISTINE PARFECT	GBR
12:36.17	EDNA DE SARACHO	MEX	35.06	CHRISTEL SCHULZ	GER	3:08.36	TAYO FUJIEDA	JPN	1:40.43	SHOKO YONEZAWA	JPN
12:46.65	E.KETELSEN	DEN	35.18	MICHIE DOI	JPN	3:12.07	L.VAN DER MEER	NED	1:41.70	GABRIELLA TUCCI	ITA
12:50.88	M.DI-CESARE	NZL	35.92	HARRIET BERGER	GER	3:12.08	BETSY JORDAN	USA	1:43.28	TAYO FUJIEDA	JPN
12:57.81	RITSUKO SUGIMURA	JPN	37.16	SILVANA ABREU	BRA	3:13.46	YURIKE NAGAMATSU	JPN	1:43.47	MARCELA STASTNA	CZE
13:01.78	J MURPHY-SHERMAN	USA	38.31	JOY WARD	USA	400 M.	FREE		1:44.10	KAZUKO KAJIWARA	JPN
13:12.63	PAULINE WINGATE	AUS	38.66	GISELA CSEKO	AUT	6:16.57	HELGA REICH	GER	1:44.50	UTE AHMELS	GER
13:17.25	JANE KATZ	USA	38.86	BARBARA FRID	USA	6:18.40	REIKO ISHIZAKI	JPN	200 M.	BRST	
1500 M.	FREE		39.36	DANIELA BARNEA	USA	6:28.64	MARGA SCHULZE	GER	3:27.71	LUISE KNOPFLE	GER
22:29.85	JACKIE MARR	USA	39.38	MONIKA SENFTLEBEN	GER	6:37.85	L.VAN DER MEER	NED	3:32.51	JOANN LEILICH	USA
22:41.81	HANNELORE ROSE	GER	100 M.	FLY		6:38.25	SALLY BOLAR	USA	3:35.98	MASAYO AZUMA	JPN
24:10.41	E.KETELSEN	DEN	1:17.34	JUDY WILSON	GBR	6:39.21	TAYO FUJIEDA	JPN	3:36.67	CHRISTINE PARFECT	GBR
24:10.91	RITSUKO SUGIMURA	JPN	1:21.31	HARRIET BERGER	GER	6:40.80	BETSY JORDAN	USA	3:39.24	TAYO FUJIEDA	JPN
24:13.11	PENNY WEBSTER	GBR	1:29.24	DANIELA BARNEA	USA	6:43.08	MARIA PENNA	BRA	3:43.51	KUMIE TOKUDA	JPN
25:26.41	ANN URQUHART	CAN	1:30.14	SILVANA ABREU	BRA	6:48.77	KAZU KOYAMA	JPN	3:47.98	FELICITY HAGUE	GBR
25:33.45	LYNNE LUND	USA	1:32.65	JOY WARD	USA	6:48.90	ROBIN HENZE	AUS	3:48.08	KEIKO YAMADA	JPN
25:54.57	ALISON LEACH	NZL	1:35.11	MICHIE DOI	JPN	800 M.	FREE		3:48.55	CYNTHIA ANDRADE	BRA
25:59.31	ELIZABETH SAVIDGE	GBR	1:36.03	MONIKA SENFTLEBEN	GER	12:11.54	YOSHIKO OSAKI	JPN	3:48.62	HIROKO OTANI	JPN
26:08.43	BONNIE KOTZBACH	USA	1:37.63	JACKIE MARR	USA	12:48.10	HELGA REICH	GER	50 M.	FLY	
50 M.	BACK		1:38.54	LYNNE LUND	USA	13:03.09	REIKO ISHIZAKI	JPN	39.01	HAIKE HOLER	GER
36.61	SATOKO TAKEUJI	JPN	1:41.20	YOKO UOZU	JPN	13:16.22	MARGA SCHULZE	GER	39.17	HARUMI SUGIMOTO	JPN
37.06	MARIA BALLA	HUN	200 M.	FLY		13:19.43	MARIA PENNA	BRA	40.16	CHRISTINE PARFECT	GBR
38.91	HIROMI SATO	JPN	3:12.48	JUDY WILSON	GBR	13:45.10	BETSY JORDAN	USA	41.31	MARCELA STASTNA	CZE
39.40	SILVANA ABREU	BRA	3:29.37	DANIELA BARNEA	USA	13:45.61	SALLY BOLAR	USA	41.32	SEIKO YAMASAKI	JPN
41.23	RENATE ZSCHOCKELT	GER	3:40.03	MONIKA SENFTLEBEN	GER	13:53.19	L.VAN DER MEER	NED	41.33	SALLY BOLAR	USA
41.34	E.KETELSEN	DEN	3:44.12	PATRICIA DAVIS	CAN	13:58.92	FUSAKO HIROOKA	JPN	41.35	GABRIELLA TUCCI	ITA
41.77	JANET BROWN	GBR	3:44.85	REIKO NAGASAKU	JPN	14:11.99	ANN GRANTHAM	GBR	41.38	HISAKO SATO	JPN
42.08	BETTY BENNETT	USA	3:45.27	JOY WARD	USA	1500 M.	FREE		41.69	HISAKO KITAYAMA	JPN
42.27	CHRISTEL SCHULZ	GER	3:48.80	GEORGIE HAMILTON	GBR	24:57.91	REIKO ISHIZAKI	JPN	42.58	TERUKO NISHISAKO	JPN
42.45	JOY WARD	USA	3:50.51	LYNNE LUND	USA	25:25.52	MARGA SCHULZE	GER	100 M.	FLY	
100 M.	BACK		3:52.41	SEIKO HASEBE	JPN	25:57.33	BETSY JORDAN	USA	1:27.91	YOSHIKO OSAKI	JPN
1:22.31	SATOKO TAKEUJI	JPN	4:00.99	IVANA FELGROVA	CZE	26:24.78	L.VAN DER MEER	NED	1:35.57	SALLY BOLAR	USA
1:26.76	HIROMI SATO	JPN	200 M.	I.M.		26:51.89	SALLY BOLAR	USA	1:36.32	HELGA REICH	GER
1:28.96	CHRISTEL SCHULZ	GER	3:02.24	HARRIET BERGER	GER	27:01.57	KAZU KOYAMA	JPN	1:37.17	HAIKE HOLER	GER
1:30.24	JEN THOMASSON	AUS	3:08.68	BONNIE PRONK	CAN	27:09.19	HIROKO OTSUBO	JPN	1:37.88	MARCELA STASTNA	CZE
1:30.88	E.KETELSEN	DEN	3:08.93	HANNELORE ROSE	GER	27:44.77	BARBARA BOWER	USA	1:40.83	CHRISTINE PARFECT	GBR
1:32.15	BONNIE PRONK	CAN	3:11.23	JEN THOMASSON	AUS	27:46.18	DENISE ROBERTSON	AUS	1:41.63	HISAKO SATO	JPN
1:32.25	JANET BROWN	GBR	3:16.01	SILVANA ABREU	BRA	27:49.11	ITSUKO ENDO	JPN	1:43.66	GABRIELLA TUCCI	ITA
1:32.62	JACKIE MARR	USA	3:17.82	JACKIE MARR	USA	50 M.	BACK		1:45.77	HIROKO OTSUBO	JPN
1:32.99	JOY WARD	USA	3:24.76	KAZUKO ITO	JPN	42.81	BETSY JORDAN	USA	1:47.57	BETSY JORDAN	USA
1:33.17	BETTY BENNETT	USA	3:25.82	SEIKO HASEBE	JPN	43.03	HAIKE HOLER	GER	200 M.	FLY	
200 M.	BACK		3:26.36	JOY WARD	USA	43.14	SHOKO YONEZAWA	JPN	3:36.20	HELGA REICH	GER
3:03.55	MARIA BALLA	HUN	3:28.49	GERDA WILLIAMS	AUS	43.53	ALICE KINNAIRD	AUS	3:47.12	SALLY BOLAR	USA
3:08.35	BONNIE PRONK	CAN	400 M.	I.M.		44.28	KEIKO YAMADA	JPN	4:00.07	HISAKO SATO	JPN
3:10.75	CHRISTEL SCHULZ	GER	6:34.22	JEN THOMASSON	AUS	44.39	BRENDA WALKER	GBR	4:05.02	ENEDINA PEREIRA	BRA
3:14.38	JACKIE MARR	USA	6:47.25	JACKIE MARR	USA	44.54	V.JOHANSSON	SWE	4:07.36	LUCILLE GRIFFIN	USA
3:15.57	JEN THOMASSON	AUS	6:57.81	SILVANA ABREU	BRA	44.80	EVA JAROSOVA	CZE	4:08.16	BETSY JORDAN	USA
3:18.80	JOY WARD	USA	7:17.13	JUDY WILSON	GBR	44.90	TSUNEO YONEKURA	JPN	4:13.68	SUSAN LIVINGSTON	USA
3:19.15	E.KETELSEN	DEN	7:17.62	M.DI-CESARE	NZL	44.99	AKIKO SAWADA	JPN	4:21.95	RITA ANDROSONI	ITA
3:19.73	GERDA WILLIAMS	AUS	7:23.58	DANIELA BARNEA	USA	100 M.	BACK		4:22.56	ADRIANA HERNANDEZ	MEX
3:23.28	NORIKI YOSHIDA	JPN	7:24.30	SEIKO HASEBE	JPN	1:34.45	BRENDA WALKER	GBR	4:23.27	INGRID SIEBERT	GER
3:26.14	JANET BROWN	GBR	7:26.93	LYNNE LUND	USA	1:35.20	BETSY JORDAN	USA	200 M.	I.M.	
50 M.	BRST		7:33.59	GEORGIE HAMILTON	GBR	1:35.70	ALICE KINNAIRD	AUS	3:20.64	YOSHIKO OSAKI	JPN
39.92	MONIKA SENFTLEBEN	GER	7:34.92	MONIKA SENFTLEBEN	GER	1:35.86	V.JOHANSSON	SWE	3:27.95	KEIKO YAMADA	JPN
40.93	HARRIET BERGER	GER	*****			1:36.19	HAIKE HOLER	GER	3:32.42	TAYO FUJIEDA	JPN
41.35	ELAINE BROMWICH	GBR	*****			1:37.15	SHOKO YONEZAWA	JPN	3:36.35	BETSY JORDAN	USA
41.57	BONNIE PRONK	CAN	*****			1:38.57	SACHIKO HASEGAWA	JPN	3:36.44	HIROKO OTSUBO	JPN
42.31	VERA SASSE	BRA	*****			1:38.82	MISAO MATSUMOTO	JPN	3:37.39	HELGA REICH	GER
42.98	DIANE FORD	GBR	50 M.	FREE		1:39.05	KAZU KOYAMA	JPN	3:39.58	GABRIELLA TUCCI	ITA
43.49	DANIELA BARNEA	USA	33.47	YOSHIKO OSAKI	JPN	1:39.24	AKIKO SAWADA	JPN	3:40.61	TRICIA LIDDY	AUS
43.86	SEIKO HASEBE	JPN	34.45	OLGA KREJCI	SUI	200 M.	BACK		3:41.24	KAZU KOYAMA	JPN
44.22	MARIA ABIHSSIRA	FRA	35.36	TERUKO NISHISAKO	JPN	3:24.65	BETSY JORDAN	USA	3:43.79	JUNKO KATO	JPN
44.73	MONIKA WARNUSZ	GER	36.33	SALLY BOLAR	USA	3:27.03	BRENDA WALKER	GBR	400 M.	I.M.	
100 M.	BRST		36.44	JEANNE LITTLE	USA	3:28.26	EVA JAROSOVA	CZE	7:24.85	HELGA REICH	GER
1:29.86	HARRIET BERGER	GER	36.45	JOHNNIE DETRICK	USA	3:35.06	KEIKO YAMADA	JPN	7:49.78	BETSY JORDAN	USA
1:30.53	HANNELORE ROSE	GER	36.80	KEIKO YAMADA	JPN	3:35.72	MISAO MATSUMOTO	JPN	7:57.16	TRICIA LIDDY	AUS
1:31.40	BONNIE PRONK	CAN	36.84	BARBARA ZAREMSKI	USA	3:36.28	ALICE KINNAIRD	AUS	8:01.23	KAZU KOYAMA	JPN
1:32.49	ELAINE BROMWICH	GBR	36.86	FUSAKO HIROOKA	JPN	3:38.86	MARGA SCHULZE	GER	8:04.82	SUSAN LIVINGSTON	USA
1:34.36	MONIKA SENFTLEBEN	GER	36.88	KAZU KOYAMA	JPN	3:39.12	KAZU KOYAMA	JPN	8:14.34	ENEDINA PEREIRA	BRA
1:35.24	DIANE FORD	GBR	100 M.	FREE		3:40.05	UTE REMENYI	AUT	8:16.49	CYNTHIA ANDRADE	BRA
1:35.72	JEN THOMASSON	AUS	1:13.05	YOSHIKO OSAKI	JPN	3:40.48	SACHIKO HASEGAWA	JPN	8:24.75	ANNEMARIE LUDICKE	GER
1:36.71	DANIELA BARNEA	USA	1:23.17	KAZU KOYAMA	JPN	50 M.	BRST		8:26.28	LUCILLE GRIFFIN	USA
1:38.11	VERA SASSE	BRA	1:24.09	HELGA REICH	GER	44.07	SHOKO YONEZAWA	JPN	8:26.31	MARIA PENNA	BRA

World Masters Top 10

LCM (50 M)

*****		1:46.81	I.KEUSCH-RENNER	GER	3:52.31	ANN HIRSCH	USA	34:31.06	NANCY DURSTEIN	USA	
*****		1:47.30	JUDIE OLIVER	CAN	3:54.40	RONNIE KAMPHAUSEN	USA	34:48.30	M. MCMAHON-COLLINS	NZL	
*****		1:47.49	ANN KAY	USA	3:55.65	BARBARA FENTIMAN	AUS	35:26.27	RUTH AARON	USA	
*****		1:51.77	MARCIA RIBEIRO	BRA	3:55.72	GRETHE BENDTSEN	DEN	36:21.83	PHYLLIS CROCKETT	USA	
*****		1:52.79	GRACE ISAAC	GBR	4:00.40	MICHIKO OKUMURA	JPN	50 M. BACK			
50	M. FREE				4:06.52	MARCIA RIBEIRO	BRA	46.30	JOAN PARNELL	CAN	
34.64	JANE ASHER	GBR	1:52.87	LORNA HARDING	GBR	4:09.92	JEAN KITSON	GBR	47.55	BETTY LORENZI	USA
38.22	BARBARA FENTIMAN	AUS	1:52.97	CONNY STAMHUIS	CAN	4:11.55	TAKIKO INA	JPN	48.83	EDITH BOHM	GER
38.74	A.LEENE-RODAHL	NZL	200 M. BACK		4:13.31	ANNIE DE VOS	NED	49.09	KIMIKO OOKA	JPN	
38.89	RONNIE KAMPHAUSEN	USA	3:29.72	LAVELLE STAINOFF	USA	400 M. I.M.		49.69	NANCY KINNEY	USA	
39.17	C.FDEZ-MISA	ESP	3:38.35	GRETHE BENDTSEN	DEN	7:38.87	JUDIE OLIVER	CAN	49.84	KERSTIN GJORES	SWE
39.43	MITSUKO KOMURO	JPN	3:41.21	JUDIE OLIVER	CAN	8:13.20	ANN HIRSCH	USA	52.17	SYLVIA NEUHAUSER	AUT
39.91	MICHIKO UNOKI	JPN	3:52.41	ELIZABETH KIRBY	USA	8:49.54	LILLY KRON	USA	53.25	ASAKO MANINGO	USA
39.93	GRETHE BENDTSEN	DEN	3:52.67	MARLENE MENDES	BRA	8:51.69	ANNIE DE VOS	NED	54.04	RUZENA VYMAZALOVA	CZE
39.96	ANN KAY	USA	3:55.22	ANN KAY	USA	9:16.78	B.JENSEN	DEN	54.37	YOKO KOBAYASHI	JPN
40.17	KIMIKO YOSHINAGA	JPN	3:57.13	I.KEUSCH-RENNER	GER	9:21.50	BARBARA BROOKS	AUS	100 M. BACK		
100	M. FREE		4:04.71	LIDA GASCHKE	USA	9:24.21	AYA HIRANO	JPN	1:46.38	BETTY LORENZI	USA
1:17.94	JANE ASHER	GBR	4:05.01	SUMIKO SUMITA	JPN	9:28.32	EULAH VARTY	CAN	1:47.41	JOAN PARNELL	CAN
1:23.73	LAVELLE STAINOFF	USA	4:05.94	GRACE ISAAC	GBR	9:31.64	BOBBIE LEA	AUS	1:48.63	KIMIKO OOKA	JPN
1:24.57	BARBARA FENTIMAN	AUS	50 M. BRST		9:49.76	ADRIENNE PIPES	USA	1:48.94	NANCY KINNEY	USA	
1:26.22	ELIANE PELLIS	BEL	45.53	ELIANE PELLIS	BEL	*****					
1:27.77	DIANE STOWELL	USA	46.51	A.OBBERGHEN	BEL	*****					
1:31.21	A.LEENE-RODAHL	NZL	48.79	I.KEUSCH-RENNER	GER	*****					
1:32.79	ANN KAY	USA	49.39	ANN HIRSCH	USA	*****					
1:33.77	ADRIENNE PIPES	USA	49.58	MATHILDE LAURITO	BRA	*****					
1:33.79	INGRID ROTHE-DAY	GER	49.95	A.LEENE-RODAHL	NZL	50	M. FREE		1:59.55	RUZENA VYMAZALOVA	CZE
1:34.71	REIKO YAMAGUCHI	JPN	49.95	A.LEENE-RODAHL	NZL	37.90	GAIL ROPER	USA	2:01.92	JOAN KIDD	GBR
1:34.71	MICHIKO OKUMURA	JPN	52.20	L.MOTSCHIEDLER	GER	39.70	BRITT GRILLI	SWE	2:02.27	G.SCHOBEL-GRASS	GER
200	M. FREE		52.57	C.FDEZ-MISA	ESP	39.75	NAN BOHL	USA	2:04.03	OLIVE HALE	GBR
2:56.14	JANE ASHER	GBR	52.88	CONNY STAMHUIS	CAN	40.35	KERSTIN GJORES	SWE	2:04.18	ERIKA LANGE	GER
2:59.75	LAVELLE STAINOFF	USA	52.93	MASAE KURATA	JPN	40.56	JEAN TROY	USA	200	M. BACK	
3:03.86	BARBARA FENTIMAN	AUS	100	M. BRST		41.07	JOAN PARNELL	CAN	3:51.75	NANCY KINNEY	USA
3:10.45	RONNIE KAMPHAUSEN	USA	1:41.04	ELIANE PELLIS	BEL	42.91	KIMIKO RI	JPN	3:52.87	JOAN PARNELL	CAN
3:16.53	ELIANE PELLIS	BEL	1:45.72	A.OBBERGHEN	BEL	43.14	EIKO MORI	JPN	3:58.70	KERSTIN GJORES	SWE
3:16.78	DIANE STOWELL	USA	1:45.96	DIANE STOWELL	USA	43.26	BETTY RUSS	USA	4:00.47	KIMIKO OOKA	JPN
3:24.51	ADRIENNE PIPES	USA	1:46.68	I.KEUSCH-RENNER	GER	43.56	JOYCE WILLS	AUS	4:01.77	BETTY LORENZI	USA
3:24.54	MICHIKO OKUMURA	JPN	1:49.52	ANN HIRSCH	USA	100	M. FREE		4:10.35	ERIKA LANGE	GER
3:25.08	ANN KAY	USA	1:53.15	JUDIE OLIVER	CAN	1:26.90	GAIL ROPER	USA	4:11.78	G.SCHOBEL-GRASS	GER
3:25.08	ANN KAY	USA	1:53.90	MATHILDE LAURITO	BRA	1:29.77	JEAN TROY	USA	4:17.32	SYLVIA EISELE	USA
3:26.29	ANN HIRSCH	USA	1:54.69	LILLY KRON	USA	1:30.35	NAN BOHL	USA	4:22.74	SATO OHASHI	JPN
400	M. FREE		1:55.96	L.MOTSCHIEDLER	GER	1:32.15	BRITT GRILLI	SWE	4:24.46	JOAN KIDD	GBR
6:05.25	JANE ASHER	GBR	1:56.35	MIYAKO UCHIDA	JPN	1:38.64	BETTY LORENZI	USA	50	M. BRST	
6:12.81	LAVELLE STAINOFF	USA	200	M. BRST		1:40.17	KERSTIN GJORES	SWE	50.44	EDITH BOHM	GER
6:35.47	BARBARA FENTIMAN	GBR	3:45.28	ELIANE PELLIS	BEL	1:41.84	JOAN PARNELL	CAN	50.74	SYLVIA NEUHAUSER	AUT
6:51.10	DIANE STOWELL	USA	3:46.18	DIANE STOWELL	USA	1:42.48	TOMIKO MAKITA	JPN	51.43	SYLVIA EISELE	CAN
7:14.42	ANN HIRSCH	USA	3:52.95	A.OBBERGHEN	BEL	1:42.48	G.MCKENZIE-HICKS	AUS	52.93	CAROL TAYLOR	USA
7:15.90	ADRIENNE PIPES	USA	3:54.53	ANN HIRSCH	BEL	1:42.63	M. CUNNINGHAM	AUS	53.54	NAN BOHL	USA
7:18.85	MICHIKO OKUMURA	JPN	3:56.82	JUDIE OLIVER	CAN	200	M. FREE		54.35	JOAN PARNELL	CAN
7:19.96	BARBARA BROOKS	AUS	4:01.45	I.KEUSCH-RENNER	GER	3:24.89	JEAN TROY	USA	55.20	ATI DERKSE	NED
7:20.34	DOROTHY DICKEY	AUS	4:05.05	MIYAKO UCHIDA	JPN	3:28.42	NAN BOHL	USA	56.12	SAYOKO WATANABE	JPN
7:20.72	INGRID ROTHE-DAY	GER	4:06.62	GRETHE BENDTSEN	DEN	3:29.50	BRITT GRILLI	SWE	56.76	ERIKA LANGE	GER
800	M. FREE		4:07.59	LILLY KRON	USA	3:34.61	BETTY LORENZI	USA	57.69	GWENDOLEN KASPAR	ITA
12:35.14	LAVELLE STAINOFF	USA	4:10.24	MATHILDE LAURITO	BRA	3:36.42	JOAN PARNELL	CAN	100	M. BRST	
13:30.28	BARBARA FENTIMAN	GBR	50	M. FLY		3:41.38	G.MCKENZIE-HICKS	AUS	1:48.65	SYLVIA NEUHAUSER	AUT
14:47.95	ANN HIRSCH	USA	40.81	JANE ASHER	GBR	3:44.07	FUMIKO HIROOKA	JPN	1:56.98	SYLVIA EISELE	CAN
14:53.91	ADRIENNE PIPES	USA	47.00	JUDIE OLIVER	CAN	3:45.23	M. CUNNINGHAM	AUS	2:01.59	EDITH BOHM	GER
15:02.04	MICHIKO OKUMURA	JPN	48.22	ANN KAY	USA	3:45.90	LIZ WALLIS	AUS	2:02.25	CAROL TAYLOR	USA
15:03.30	BARBARA BROOKS	AUS	49.70	ADRIENNE PIPES	USA	3:46.96	BETTY RUSS	USA	2:02.29	JOAN PARNELL	CAN
15:06.40	JEAN KITSON	GBR	49.91	HIROKO KATANO	JPN	400	M. FREE		2:02.35	ATI DERKSE	NED
15:08.71	INGRID ROTHE-DAY	GER	50.11	KII SAITO	JPN	7:11.94	BRITT GRILLI	SWE	2:05.73	SAYOKO WATANABE	JPN
15:10.17	DOROTHY DICKEY	AUS	50.39	HIROKO OGAWA	JPN	7:14.86	JEAN TROY	USA	2:06.88	ERIKA LANGE	GER
15:20.49	MIEKO MATSUKAWA	JPN	51.06	BOBBIE LEA	AUS	7:21.46	NAN BOHL	USA	2:08.12	EIKO MORI	JPN
1500	M. FREE		51.24	TOSHIKO WADA	JPN	7:48.13	BETTY RUSS	USA	2:09.64	ETSUKO KIMURA	JPN
24:37.45	LAVELLE STAINOFF	USA	51.66	BARBARA FENTIMAN	AUS	7:50.24	G.MCKENZIE-HICKS	AUS	200	M. BRST	
25:04.94	BARBARA FENTIMAN	AUS	100	M. FLY		7:51.27	LIZ WALLIS	AUS	3:55.25	SYLVIA NEUHAUSER	AUT
28:03.78	ADRIENNE PIPES	USA	1:44.39	JUDIE OLIVER	CAN	8:00.52	TSURUYO TANAKA	JPN	4:24.58	SYLVIA EISELE	CAN
28:04.11	ELIZABETH KIRBY	USA	1:55.41	ANN HIRSCH	USA	8:02.80	M. CUNNINGHAM	AUS	4:26.89	ATI DERKSE	NED
28:49.36	LIDA GASCHKE	USA	1:59.54	KII SAITO	JPN	8:07.89	CHIE TANI	JPN	4:27.10	TERUKO ONO	JPN
28:50.94	INGRID ROTHE-DAY	GER	2:01.72	BOBBIE LEA	AUS	8:09.56	EDIE GRUENDER	USA	4:31.60	ERIKA LANGE	GER
28:54.84	MICHIKO OKUMURA	JPN	2:04.02	HIROKO KATANO	JPN	800	M. FREE		4:31.62	EIKO MORI	JPN
29:21.00	JEAN KITSON	GBR	2:05.10	JOAN ALEXANDER	USA	14:49.08	JEAN TROY	USA	4:38.19	BARBARA VICKERS	AUS
29:34.16	DOROTHY DICKEY	AUS	2:06.55	ILZA ETEROVIK	BRA	14:49.61	BRITT GRILLI	SWE	4:38.84	CAROL TAYLOR	USA
29:46.17	BARBARA BROOKS	AUS	2:06.56	AYA HIRANO	JPN	15:05.75	BETTY LORENZI	USA	4:41.51	JOAN KIDD	GBR
50	M. BACK		2:07.87	ADRIENNE PIPES	USA	15:53.60	LIZ WALLIS	AUS	4:42.63	G.SCHOBEL-GRASS	GER
46.54	GRETHE BENDTSEN	DEN	2:08.21	YASUKO TSUCHIYA	JPN	16:22.52	G. MCKENZIE-HICKS	AUS	50	M. FLY	
47.75	KAZUKO KABASAWA	JPN	2:08.21	YASUKO TSUCHIYA	JPN	16:24.92	BETTY RUSS	USA	44.95	GAIL ROPER	USA
48.25	MARCIA RIBEIRO	BRA	4:01.61	JUDIE OLIVER	CAN	16:26.99	EDIE GRUENDER	USA	51.56	SYLVIA NEUHAUSER	AUT
48.95	A.LEENE-RODAHL	NZL	4:26.37	ANN HIRSCH	USA	16:42.12	JUNE KRAUSER	USA	51.91	SYLVIA EISELE	CAN
49.05	ANN KAY	USA	4:36.96	AYA HIRANO	JPN	16:46.55	TSURUYO TANAKA	JPN	53.55	EDITH BOHM	GER
49.08	JUDIE OLIVER	CAN	4:38.88	JOAN ALEXANDER	USA	16:56.28	TOMIKO MAKITA	JPN	55.41	CHIE TANI	JPN
49.51	JANE ASHER	GBR	4:41.24	HIROKO KATANO	JPN	1500	M. FREE		56.44	JEAN TROY	USA
49.98	I.KEUSCH-RENNER	GER	4:47.84	BOBBIE LEA	AUS	28:37.14	JEAN TROY	USA	57.12	AKIKO ONOHARA	JPN
50.07	LAVELLE STAINOFF	USA	4:48.76	B.JENSEN	DEN	31:26.00	G. MCKENZIE-HICKS	AUS	57.27	TSURUYO TANAKA	JPN
50.12	GRACE ISAAC	GBR	4:50.47	ANNIE DE VOS	NED	31:37.85	BETTY RUSS	USA	58.25	YUKIKO SAKAI	JPN
100	M. BACK		5:13.76	CHIYO FUKUSHIMA	JPN	31:46.43	TSURUYO TANAKA	JPN	58.89	EDIE GRUENDER	USA
1:40.90	GRETHE BENDTSEN	DEN	5:23.49	HARUKO SASAKI	JPN	32:20.09	EDIE GRUENDER	USA	100	M. FLY	
1:44.93	LAVELLE STAINOFF	USA	200	M. I.M.		33:43.22	BETTY MC MILLAN	USA	1:50.12	SYLVIA NEUHAUSER	AUT
1:45.50	ELIZABETH KIRBY	USA	3:38.07	JUDIE OLIVER	CAN				1:54.14	GAIL ROPER	USA
									2:05.72	SYLVIA EISELE	USA
									2:11.47	CHIE TANI	JPN

World Masters Top 10

LCM (50 M)

2:15.83	JEAN TROY	USA	9:42.49	BILLIE AN BURRILL	USA	50 M. FLY	8:29.83	RITA SIMONTON	USA		
2:17.27	Y. KAPLAN BADER	FRA	800 M. FREE			57.43	LOIS NOCHMAN	USA	10:40.29	WILLY VAN RYSEL	GBR
2:18.63	JUNE KRAUSER	USA	17:07.77	ELSA DE LEEUW	CAN	1:02.23	NORA RONAI	BRA	11:35.73	KIKU ONO	JPN
2:18.76	TSURUYO TANAKA	JPN	17:35.79	LOIS KIVI NOCHMAN	USA	1:05.33	YONE MURATA	JPN	11:48.55	KATH JOHNSTONE	NZL
2:23.92	EDIE GRUENDER	USA	18:33.89	BUNNY CEDERLUND	USA	1:07.09	JUNE REYNOLDS	USA	11:48.75	KAY SCHIMPF	USA
2:28.99	BETTY RUSS	USA	18:59.29	MAURINE KORNFELD	USA	1:09.96	DIANA SILVA	USA	11:51.51	MARIA LENK	BRA
200 M. FLY			19:41.17	VAL LINCOLN	AUS	1:11.64	ELSA DE LEEUW	CAN	12:32.65	JOAN GODSALL	AUS
4:03.55	SYLVIA NEUHAUSER	AUT	19:50.44	BILLIE AN BURRILL	USA	1:15.48	MASAKO HOTEHAMA	JPN	13:13.02	MARIE FEIFEROVA	CZE
4:17.87	GAIL ROPER	USA	20:37.71	CHIYOKO TAKIZAWA	JPN	1:15.59	KALIS RASMUSSEN	CAN	13:29.61	YOSHIKO WATANABE	JPN
4:38.45	SYLVIA EISELE	CAN	22:12.35	LIS KNUTZEN	DEN	1:17.10	NORMA RUDOLPH	AUS	13:49.07	MARY LATHRAM	USA
4:59.82	BETTY RUSS	USA	22:37.42	JUNE REYNOLDS	USA	1:17.52	JAE HOWELL	USA	800 M. FREE		
5:05.83	KIMIKO OOKA	JPN	23:05.56	SIMONE BENOIT	FRA	100 M. FLY			17:48.18	RITA SIMONTON	USA
5:08.90	JUNE KRAUSER	USA	1500 M. FREE			2:06.55	LOIS NOCHMAN	USA	22:17.64	WILLY VAN RYSEL	GBR
5:33.84	EDIE GRUENDER	USA	33:05.83	LOIS KIVI NOCHMAN	USA	2:34.18	NORA RONAI	BRA	23:30.68	KIKU ONO	JPN
6:00.24	GLADYS OLSEN	USA	34:49.74	PETEY H SMITH	USA	2:44.14	JAE HOWELL	USA	25:13.80	KATH JOHNSTONE	NZL
6:34.03	LUIZA SILVA	BRA	37:28.80	NORMA RUDOLPH	AUS	2:46.45	JUNE REYNOLDS	USA	25:15.14	KAY SCHIMPF	USA
8:11.55	MARIAN WOLLE	USA	38:08.48	VAL LINCOLN	AUS	2:49.85	DIANA SILVA	USA	27:27.46	JOAN GODSALL	AUS
200 M. I. M.			40:03.90	JOYCE O'FARRELL	AUS	2:56.47	NORMA RUDOLPH	AUS	28:00.53	MARY LATHRAM	USA
3:56.39	SYLVIA NEUHAUSER	AUT	40:48.67	ROSEMARY BROMWICH	AUS	3:18.67	AYAKO MIZUSHIMA	JPN	31:38.57	JEANNE TURGEON	CAN
4:03.80	NANCY KINNEY	USA	42:21.78	LIS KNUTZEN	DEN	5:01.99	MARY JANE SCHAFER	USA	1500 M. FREE		
4:06.73	KIMIKO OOKA	JPN	50 M. BACK			6:09.50	ELFIE STEVENIN	USA	33:32.24	RITA SIMONTON	USA
4:11.70	SYLVIA EISELE	USA	54.64	A CEDERLUND	USA	200 M. FLY			48:26.24	KATH JOHNSTONE	NZL
4:19.69	CHIE TANI	JPN	54.79	SILVIA CRAVERI	ITA	4:34.86	LOIS NOCHMAN	USA	52:25.45	MARY LATHRAM	USA
4:20.47	CAROL TAYLOR	USA	55.47	MARGERIE MEYER	USA	5:36.35	JAE HOWELL	USA	60:33.43	JEANNE TURGEON	CAN
4:24.99	JEAN TROY	USA	56.34	DORIS MCEWAN	CAN	6:01.22	NORA RONAI	BRA	50 M. BACK		
4:31.77	EDIE GRUENDER	USA	58.65	MASAKO HOTEHAMA	JPN	6:29.39	JUNE REYNOLDS	USA	1:01.39	PERSIS RAE	AUS
4:34.81	TSURUYO TANAKA	JPN	58.74	J. DRAKE-BROCKMAN	AUS	7:18.53	MARY JANE SCHAFER	USA	1:03.30	WILLY VAN RYSEL	GBR
4:35.20	JUNE KRAUSER	USA	59.02	OLGA JOHNSON	NZL	7:29.80	AYAKO MIZUSHIMA	JPN	1:03.97	MICHIKO HAMURO	JPN
400 M. I. M.			1:00.95	KALIS RASMUSSEN	CAN	13:36.98	ELFIE STEVENIN	USA	1:04.51	EDITH THEIN	ISR
9:02.29	SYLVIA EISELE	CAN	1:01.09	HANA ENATSU	JPN	200 M. I. M.			1:05.15	HIDEKO HANADA	JPN
9:28.31	JEAN TROY	USA	1:01.70	LOIS NOCHMAN	USA	4:33.58	LOIS KIVI NOCHMAN	USA	1:08.84	EDITH GLUSAC	USA
9:29.38	BETTY RUSS	USA	100 M. BACK			4:40.75	ELSA DE LEEUW	CAN	1:09.73	CHARLOTTE THIEL	GER
9:38.03	JUNE KRAUSER	USA	2:04.22	MIDORI KINJO	JPN	5:12.45	JAE HOWELL	USA	1:09.89	TERU USHIKI	JPN
9:48.80	G. SCHOBEL-GRASS	GER	2:07.33	SILVIA CRAVERI	ITA	5:18.67	KALIS RASMUSSEN	CAN	1:10.15	INGER ANDERSEN	DEN
10:00.26	TSURUYO TANAKA	JPN	2:09.36	DORIS MCEWAN	CAN	5:20.56	JUNE REYNOLDS	USA	1:13.65	ALMA BRECKNOCK	AUS
11:03.77	NANCY DURSTEIN	USA	2:09.54	J. DRAKE-BROCKMAN	AUS	5:42.24	NORA RONAI	BRA	100 M. BACK		
11:57.10	GLADYS OLSEN	USA	2:10.78	BUNNY CEDERLUND	USA	6:01.55	KATH CLAPP	GBR	2:10.44	EDITH THEIN	ISR
12:23.24	CHIEKO MORIKANE	JPN	2:12.43	MARGERIE MEYER	USA	6:04.81	ROSEMARY BROMWICH	AUS	2:19.57	HIDEKO HANADA	JPN
13:43.46	TOSHIKO AMANO	JPN	2:13.74	LOIS NOCHMAN	USA	6:23.78	MAURINE KORNFELD	USA	2:20.52	WILLY VAN RYSEL	GBR
			2:16.29	DIANA SILVA	USA	6:39.69	AYAKO MIZUSHIMA	JPN	2:32.39	TERU USHIKI	JPN
*****			2:17.90	ELSA DE LEEUW	CAN	400 M. I. M.			2:36.01	ALMA BRECKNOCK	AUS
	WOMEN 80-84		2:24.11	ANNIE STOKER	NED	9:45.00	LOIS NOCHMAN	USA	2:36.19	EDITH GLUSAC	USA
*****			200 M. BACK			11:04.28	JAE HOWELL	USA	2:37.52	INGER ANDERSEN	DEN
50 M. FREE			4:33.44	SILVIA CRAVERI	ITA	11:44.62	JUNE REYNOLDS	USA	2:45.49	YOSHIKO WATANABE	JPN
43.10	OLGA JOHNSON	NZL	4:34.84	MIDORI KINJO	JPN	12:08.48	NORA RONAI	BRA	2:46.92	ANNE WALKER	USA
44.00	OLGA KOKORINA	RUS	4:38.51	BUNNY CEDERLUND	USA	13:59.79	AYAKO MIZUSHIMA	JPN	2:49.83	MARIA LENK	BRA
46.27	PETEY H SMITH	USA	4:40.23	DORIS MCEWAN	CAN	17:01.09	MARY JANE SCHAFER	USA	200 M. BACK		
46.53	ELSA DE LEEUW	CAN	4:49.68	J. DRAKE-BROCKMAN	AUS	20:00.15	ELFIE STEVENIN	USA	4:52.29	EDITH THEIN	ISR
46.65	MARGERIE MEYER	USA	4:54.52	LOIS NOCHMAN	USA	*****			4:59.07	HIDEKO HANADA	JPN
47.56	DORIS MCEWAN	CAN	4:56.43	MICHELE GUILLAIS	FRA	*****			5:07.21	WILLY VAN RYSEL	GBR
47.91	RUTH BAAR	USA	5:04.20	KALIS RASMUSSEN	CAN	*****			5:29.98	INGER ANDERSEN	DEN
48.33	SUGAKO KUWAYAMA	JPN	5:04.71	FUMI MURATA	JPN	*****			5:38.27	EDITH GLUSAC	USA
48.70	MASAKO HOTEHAMA	JPN	5:05.65	DIANA SILVA	USA	50 M. FREE			5:44.45	YOSHIKO WATANABE	JPN
48.78	J. DRAKE-BROCKMAN	AUS	50 M. BRST			52.61	RITA SIMONTON	USA	5:50.02	MARIA LENK	BRA
100 M. FREE			54.44	OLGA KOKORINA	RUS	56.77	TERU USHIKI	JPN	6:05.32	TERU USHIKI	JPN
1:42.79	ELSA DE LEEUW	CAN	56.57	SHIZUE TOYAMA	JPN	56.86	URSULA OEHMKE	GER	6:10.31	ANNE WALKER	USA
1:43.12	MARGERIE MEYER	USA	57.67	MICHELE GUILLAIS	FRA	57.04	MICHIKO HAMURO	JPN	6:38.47	ELAINE BUCK	RSA
1:46.90	OLGA JOHNSON	NZL	57.80	KIMIE KANAI	JPN	1:02.57	JOAN GODSALL	AUS	50 M. BRST		
1:48.54	PETEY H SMITH	USA	1:00.92	NORA RONAI	BRA	1:03.81	KATH JOHNSTONE	NZL	1:14.24	MICHIKO HAMURO	JPN
1:50.73	RUTH BAAR	USA	1:01.55	ELSA DE LEEUW	CAN	1:06.51	TOSHI KUBO	JPN	1:17.27	CHARLOTTE THIEL	GER
1:50.91	SUGAKO KUWAYAMA	JPN	1:03.25	DORIS MCEWAN	CAN	1:08.03	CHARLOTTE THIEL	GER	1:19.90	MARION DEVITT	CAN
1:51.27	DORIS MCEWAN	CAN	1:04.21	LIS KNUTZEN	DEN	1:08.32	KIKU ONO	JPN	1:20.89	EDITH GLUSAC	USA
1:54.32	BILLIE AN BURRILL	USA	1:05.61	MURIEL FLYNN	USA	1:08.46	ANNE WALKER	USA	1:28.11	RITA SIMONTON	USA
1:54.65	MASAE SHIMURA	JPN	1:05.85	INGEBORG FRITZE	GER	100 M. FREE			1:31.99	MARIA LENK	BRA
1:56.63	FUMI MURATA	JPN	100 M. BRST			1:54.37	RITA SIMONTON	USA	1:33.87	JEANNE TURGEON	CAN
200 M. FREE			2:01.74	OLGA KOKORINA	RUS	2:09.62	TERU USHIKI	JPN	1:33.92	ANNELIESE ZOELLER	USA
3:47.03	MARGERIE MEYER	USA	2:10.31	KIMIE KANAI	JPN	2:21.57	WILLY VAN RYSEL	GBR	1:38.71	EMILY GODSALL	GBR
3:50.48	ELSA DE LEEUW	CAN	2:18.72	DORIS MCEWAN	CAN	2:27.35	TOSHI KUBO	JPN	1:40.83	LAURA OLIVEIRA	BRA
4:03.05	PETEY H SMITH	USA	2:19.24	MICHELE GUILLAIS	FRA	2:28.78	JOAN GODSALL	AUS	100 M. BRST		
4:06.28	RUTH BAAR	USA	2:24.05	SUMIKO YANAGISAWA	JPN	2:28.96	KATH JOHNSTONE	NZL	2:42.17	MICHIKO HAMURO	JPN
4:09.66	OLGA JOHNSON	NZL	2:25.38	MURIEL FLYNN	USA	2:32.34	ANNE WALKER	AUS	2:45.83	ALMA BRECKNOCK	AUS
4:10.73	LOIS NOCHMAN	USA	2:25.72	LIS KNUTZEN	DEN	2:40.50	KIKU ONO	JPN	2:54.67	PERSIS RAE	AUS
4:11.08	DORIS MCEWAN	CAN	2:28.40	LOIS KIVI NOCHMAN	USA	2:48.55	KAY SCHIMPF	USA	3:01.49	MARION DEVITT	CAN
4:16.44	BILLIE AN BURRILL	USA	2:30.89	INGEBORG FRITZE	GER	2:50.40	YOSHIKO WATANABE	JPN	3:23.02	MARIA LENK	BRA
4:23.75	MAURINE KORNFELD	USA	2:32.31	JAE HOWELL	USA	200 M. FREE			3:31.48	JEANNE TURGEON	CAN
4:25.36	FUMI MURATA	JPN	200 M. BRST			4:11.10	RITA SIMONTON	USA	3:34.83	LAURA OLIVEIRA	BRA
400 M. FREE			4:31.85	OLGA KOKORINA	RUS	4:42.22	URSULA OEHMKE	GER	3:35.49	ANNELIESE ZOELLER	USA
8:08.06	MARGERIE MEYER	USA	5:12.54	MURIEL FLYNN	USA	5:09.98	TERU USHIKI	JPN	4:00.81	EMILY GODSALL	GBR
8:08.66	ELSA DE LEEUW	CAN	5:16.10	SUMIKO YANAGISAWA	JPN	5:17.61	WILLY VAN RYSEL	GBR	4:14.65	KAY SCHIMPF	USA
8:40.25	OLGA JOHNSON	NZL	5:26.73	LIS KNUTZEN	DEN	5:26.07	KIKU ONO	JPN	200 M. BRST		
8:41.96	LOIS NOCHMAN	USA	5:31.72	LOIS NOCHMAN	USA	5:27.33	MARIA LENK	BRA	5:35.82	MICHIKO HAMURO	JPN
8:52.18	PETEY SMITH	USA	5:34.77	FANNY LARSEN	DEN	5:35.40	KATH JOHNSTONE	NZL	5:45.49	ALMA BRECKNOCK	AUS
9:06.35	MAURINE KORNFELD	USA	5:40.05	JAE HOWELL	USA	5:40.19	JOAN GODSALL	AUS	6:00.91	PERSIS RAE	AUS
9:22.84	NORMA RUDOLPH	AUS	5:45.53	FUMI MURATA	JPN	5:41.98	YOSHIKO WATANABE	JPN	6:35.93	RITA SIMONTON	USA
9:26.16	VAL LINCOLN	AUS	6:04.99	NAKA FUKUOKA	JPN	5:57.64	KAY SCHIMPF	USA	7:29.21	JEANNE TURGEON	CAN
9:33.48	LIS KNUTZEN	DEN	6:08.01	GRE SCHONBERGER	NED	400 M. FREE			7:43.76	ANNELIESE ZOELLER	USA

World Masters Top 10

LCM (50 M)

27.85	NICOLAS DUBREUIL	FRA	200 M.	FLY	8:59.73	MATT KELLER	USA	25.78	GABRIELE MAINI	ITA
28.20	JEFF COMMINGS	USA	2:13.37	ANDREA MARCATO	9:00.95	COLIN OVINGTON	GBR	25.89	HARTMUT YAKOVLEV	GER
28.32	OSAMU ITOI	JPN	2:16.76	GERMAN RIECKEHOFF	9:03.62	MARCO TENDERINI	ITA	25.92	ARTURS YAKOVLEVS	LAT
28.33	Y.NAKAHARA	JPN	2:17.11	GIUSEPPE BANDINU	9:11.42	E.MANTOVANI	ITA	26.06	BARRY SARETSKY	CAN
28.75	ANDREW CAMPBELL	GBR	2:17.35	ANDRE WRASSE	9:16.16	FRANCIS MAGNAU	FRA	26.48	JOCHEN BRUHA	GER
28.84	LARS GIRBIG	GER	2:17.82	HIROYUKI NAKAMURA	9:17.49	A.LAVEGLIA	ITA	26.62	ANDREA CORSO	ITA
28.86	STEFANO SBLANO	ITA	2:18.30	FREDERIC MATHIEU	1500 M.	FREE		26.66	AMON EMEKA	USA
28.94	C.BATTISTINI	ITA	2:19.19	DAVIDE FERRARA	17:20.87	COLIN OVINGTON	GBR	26.69	DEREK ROBINSON	USA
29.12	CHRYSITIAN GAUVIN	CAN	2:19.49	JUSTIN WELBOURN	17:21.47	MARCO TENDERINI	ITA	26.69	ANDREA TOJA	ITA
100 M.	BACK		2:19.89	D.HORGAN	17:33.50	BENEDIKT NOSS	GER	100 M.	FLY	
59.16	LEONARDO GOMES	BRA	2:20.67	JOCHEN BAR	17:35.94	MATT KELLER	USA	56.07	MICHAEL ROSS	USA
59.21	JEFF COMMINGS	USA	200 M.	I.M.	17:41.25	TOBIAS LERCH	GER	57.66	MICHAEL SORENSEN	USA
1:00.17	NICOLAS DUBREUIL	FRA	2:11.56	ATTILA CZENE	17:45.85	A.LAVEGLIA	ITA	58.10	ARTURS YAKOVLEVS	LAT
1:00.35	CHRIS JONES	GBR	2:13.71	C.BATTISTINI	18:24.75	STEFAN KAMLAGE	GER	58.57	JOCHEN BRUHA	GER
1:01.05	Y.NAKAHARA	JPN	2:16.42	JEFF COMMINGS	18:25.95	G.GIOVANNINI	ITA	58.60	HARTMUT BERNER	GER
1:01.31	C.BATTISTINI	ITA	2:17.42	R.LOCOCIOLO	18:26.30	FABRIZIO BORRELLI	ITA	58.76	ANDREA TOJA	ITA
1:01.66	OSAMU ITOI	JPN	2:18.03	MARTIN DOUGLAS	18:27.58	CHRIS MCGIFFIN	USA	58.79	ANDREA CORSO	ITA
1:02.00	PAUL BRIGGS	GBR	2:18.16	Y.NAKAHARA	50 M.	BACK		58.85	BARRY SARETSKY	CAN
1:02.00	C.TRAVIS	GBR	2:18.90	NIGEL MASTERS	27.50	MICHAEL ROSS	USA	59.56	DEREK ROBINSON	USA
1:02.41	CHRYSITIAN GAUVIN	CAN	2:18.96	MATTHIAS MILLERS	27.73	DEREK ROBINSON	USA	59.66	STEVE HILTABIDDLE	USA
200 M.	BACK		2:19.48	DAVID ROYO	28.55	MARCO ORSINI	ITA	59.66	ROSS DAVIS	USA
2:13.80	JOHANN PAPILLON	FRA	2:19.65	JOHANN PAPILLON	28.74	GIUSEPPE TIANO	ITA	200 M.	FLY	
2:14.19	NICOLAS DUBREUIL	FRA	400 M.	I.M.	28.79	BRUNO ESPOSITO	ITA	2:12.64	A.LAVEGLIA	ITA
2:15.06	Y.NAKAHARA	JPN	4:58.56	R.LOCOCIOLO	29.29	SERGE DINANE	FRA	2:13.71	MARK MAGEE	USA
2:17.06	C.BATTISTINI	ITA	4:59.68	ERIK CRANKSHAW	29.30	THEO JAN TANIS	NED	2:14.66	ALEJANDRO MORENO	MEX
2:17.65	MATTHEW MCKAY	USA	5:00.76	MATTHIAS MILLERS	29.42	ANDREA TOJA	ITA	2:17.00	WOJTECH BLECHAR	GER
2:18.17	OSAMU ITOI	JPN	5:04.00	GLAUCO RANGEL	29.47	SHINTARO NAGASAKI	JPN	2:17.02	RAUL JUNIOR	BRA
2:18.93	MARCO RUSSO	ITA	5:04.86	ANDRE WRASSE	29.48	GEORG GUNTHER	GER	2:18.37	OLIVIER GALLET	FRA
2:19.18	EMILIANO ASSANDRI	ITA	5:05.23	FUMIAKI MINAMIURA	100 M.	BACK		2:18.43	MICHAEL SORENSEN	USA
2:20.02	R.LOCOCIOLO	ITA	5:05.75	VESELY PETR	1:00.21	MICHAEL ROSS	USA	2:19.27	ROSS DAVIS	USA
2:20.89	CHRYSITIAN GAUVIN	CAN	5:05.80	MARCIN WEDLARSKI	1:00.51	DEREK ROBINSON	USA	2:19.62	TAKASHI SUGISAWA	JPN
50 M.	BRST		5:07.16	D.HORGAN	1:01.91	DARRYL FOLLOWS	NZL	2:20.42	FABRIZIO BORRELLI	ITA
29.77	JEFF COMMINGS	USA	5:07.29	CEDRIC LECOMTE	1:02.71	MARCO ORSINI	ITA	200 M.	I.M.	
29.93	RAIKO PACHEL	EST	*****	*****	1:03.15	GIUSEPPE TIANO	ITA	2:14.25	NICOLAS GRANGER	FRA
30.18	SVEN GUSKE	GER	*****	*****	1:03.75	ROSS DAVIS	USA	2:15.37	LORENZO BENUCCI	USA
30.55	YASUHIRO KOMORI	JPN	M E N 35-39		1:03.78	THEO JAN TANIS	NED	2:16.85	MARK MAGEE	USA
30.62	TAKASHI HIRAKAWA	JPN	*****	*****	1:04.16	ANDREA TOJA	ITA	2:17.40	ALEJANDRO MORENO	MEX
30.70	JONATHAN BANVILLE	CAN	50 M.	FREE	1:04.26	MAURO TORRI	ITA	2:18.68	A.LAVEGLIA	ITA
30.83	MARCO BOOY	NED	23.28	M.GIALDI	1:04.74	KURT DICKSON	USA	2:19.74	BRENT FOSTER	NZL
31.10	KEISUKE TERAMOTO	JPN	23.76	SVEN LODZIEWSKI	200 M.	BACK		2:19.99	NYHUS OYVIND	NOR
31.17	ZOLTAN HORVATH	HUN	24.26	TODD PACE	2:12.32	DARRYL FOLLOWS	NZL	2:21.24	BARRY SARETSKY	CAN
31.17	THIERRY GOETZ	FRA	24.50	MICHAEL ROSS	2:15.68	KURT DICKSON	USA	2:21.42	COLIN OVINGTON	GBR
100 M.	BRST		24.68	JOCHEN BRUHA	2:16.58	NICOLAS GRANGER	FRA	2:21.62	MARK RUTLEDGE	USA
1:06.47	RAIKO PACHEL	EST	24.68	CRISTIANO BALDINI	2:18.56	ROSS DAVIS	USA	400 M.	I.M.	
1:06.96	JEFF COMMINGS	USA	24.72	TOMMY RUNDGREN	2:18.92	MAURO TORRI	ITA	4:44.27	NICOLAS GRANGER	FRA
1:08.41	JONATHAN BANVILLE	CAN	24.78	VLADIMIR PREDKIN	2:20.94	CHRISTOPHER BLACK	USA	4:50.35	ALEJANDRO MORENO	MEX
1:08.55	JORGE ARIAS	PER	24.94	MARCO GARSETTI	2:21.09	WOJTECH BLECHAR	GER	4:53.82	MARK MAGEE	USA
1:08.73	THIERRY GOETZ	FRA	25.00	F.MAGALHAES	2:21.72	PETER BERMEI	GER	4:55.47	BRENT FOSTER	NZL
1:09.33	F.CIVALLERO	ITA	100 M.	FREE	2:22.33	IAIN TEAZ	GBR	4:55.57	CHRISTOPHER BLACK	USA
1:09.50	TAKASHI HIRAKAWA	JPN	51.98	SVEN LODZIEWSKI	2:23.06	RAVIL NOGUMANOV	RUS	4:56.06	A.LAVEGLIA	ITA
1:09.52	NIGEL MASTERS	GBR	52.23	MICHAEL ROSS	50 M.	BRST		4:57.44	COLIN OVINGTON	GBR
1:09.86	MARTIN DOUGLAS	GBR	52.93	JOCHEN BRUHA	29.80	NICK GILLINGHAM	GBR	5:01.49	WOJTECH BLECHAR	GER
1:10.12	JIN FUJITA	JPN	53.99	ANDREA CORSO	30.78	NYHUS OYVIND	NOR	5:01.50	DANNY FINCH	CAN
200 M.	BRST		54.27	CRISTIANO BALDINI	30.84	ALBERTO MONTINI	ITA	5:03.01	MARCO POMPONI	ITA
2:27.74	RAIKO PACHEL	EST	54.73	DANIEL SERRA	30.90	ANDREA AGOSTINONE	ITA	*****	*****	
2:31.58	MARTIN DOUGLAS	GBR	54.75	TOMMY RUNDGREN	31.00	FRANK BAHR	GER	50 M.	FREE	
2:31.76	NIGEL MASTERS	GBR	54.99	HARTMUT BERNER	31.08	FABIO CAVALLI	ITA	24.36	JANNE VIRTANEN	FIN
2:31.78	JONATHAN BANVILLE	CAN	55.05	F.MAGALHAES	31.15	SILIO FABBRINI	ITA	24.54	JOAKIM SJOHOLM	SWE
2:31.84	NARIHITO WAKUI	JPN	55.33	BARRY SARETSKY	31.21	R.ARGUELLES	PAN	24.79	ROBERTO TARRICONE	ITA
2:34.66	JORGE ARIAS	PER	200 M.	FREE	31.31	DMITRIY RUBTSOV	RUS	24.80	ZORAN TANSEK	CRO
2:35.93	TETSUO IWAKI	JPN	1:55.68	JOCHEN BRUHA	31.37	F.SPINADIN	ITA	24.84	MARCO COLOMBO	ITA
2:36.40	KENICHIRO TSUKUI	JPN	1:56.92	MICHAEL ROSS	100 M.	BRST		25.05	FABIO MARCHESI	ITA
2:37.47	CHRIS ROY	USA	1:59.36	DANIEL SERRA	1:04.73	NICK GILLINGHAM	GBR	25.06	MARCO CONTI	ITA
2:37.56	MICHAEL NELHAMS	GBR	2:00.28	ANDREA CORSO	1:05.07	ALBERTO MONTINI	ITA	25.19	F.RODRIGUEZ	PER
50 M.	FLY		2:00.74	MATT KELLER	1:09.35	MARK RUTLEDGE	USA	25.23	MANFRED DANZL	GER
25.72	BRIAN JACOBSON	USA	2:01.02	M.GIALDI	1:09.48	FABIO CAVALLI	ITA	25.27	STANLEY FUJIMOTO	USA
25.74	JEREMY GROSS	USA	2:01.89	ROSS DAVIS	1:09.48	FRANK BAHR	GER	25.27	EMERIC MCDONALD	USA
25.89	MAKIO ENDO	JPN	2:02.88	LORENZO BENUCCI	1:09.75	EMMANUEL FOUCART	FRA	100 M.	FREE	
25.94	MASAKATSU USAMI	JPN	2:03.75	A.LAVEGLIA	1:09.86	R.ARGUELLES	PAN	53.66	JOAKIM SJOHOLM	SWE
26.06	RAZVAN PETCU	USA	2:04.51	LAURENT NEUVILLE	1:10.02	ANDREY BARZHAK	RUS	54.74	KAI DITZEL	GER
26.11	DIKAN RENDIC	USA	400 M.	FREE	1:10.26	MICHAEL HEIMSOTH	GER	54.78	CYRO DELGADO	BRA
26.11	DAMIEN CUCUMEL	FRA	4:12.29	DANIEL SERRA	1:10.33	LUCA NATALE	ITA	54.84	METELLO SAVINO	ITA
26.29	DARIO CAPPIELLO	ITA	4:15.85	NICOLAS GRANGER	200 M.	BRST		55.12	STUART CROMARTY	USA
26.35	TAKESHI DANNO	JPN	4:16.69	MATT KELLER	2:20.29	NICK GILLINGHAM	GBR	55.13	ALEXEY FILONOV	RUS
26.38	KLAUS HUEZ	ITA	4:17.40	BENEDIKT NOSS	2:24.26	ALBERTO MONTINI	ITA	55.33	THOMAS FAHRNER	GER
100 M.	FLY		4:18.15	MARK MAGEE	2:30.28	R.ARGUELLES	PAN	55.33	STEVE WOOD	USA
56.25	RAZVAN PETCU	USA	4:18.77	ALEJANDRO MORENO	2:35.04	PETER BERMEI	GER	55.38	GEOFFREY GLASER	USA
57.09	MASAKATSU USAMI	JPN	4:20.31	COLIN OVINGTON	2:35.09	NEIL KEMP	GBR	55.44	ROBERTO CLAUSI	BRA
58.11	LEONARDO GOMES	BRA	4:20.90	CHRISTOPHER BLACK	2:35.19	EMMANUEL FOUCART	FRA	200 M.	FREE	
58.31	UGUR TANER	USA	4:21.70	STEPHEN WILLIS	2:35.29	ABRAHAM SOLANO	USA	1:58.50	KAI DITZEL	GER
58.52	KLAUS HUEZ	ITA	4:22.76	MARCO TENDERINI	2:35.60	MASSIMO BUSIGNANI	ITA	1:58.94	STUART CROMARTY	USA
58.72	DARIO CAPPIELLO	ITA	800 M.	FREE	2:36.93	THOMAS KIPP	GER	2:00.57	MARCO COLOMBO	ITA
58.82	JEREMY GROSS	USA	8:49.89	ALEJANDRO MORENO	2:37.04	HARALD BUCK	GER	2:01.64	CYRO DELGADO	BRA
58.84	STEVEN MELLOR	GBR	8:56.02	BENEDIKT NOSS	50 M.	FLY				
59.10	HIROYUKI NAKAMURA	JPN	8:58.83	DANIEL SERRA	25.46	WADE KING	USA			
59.32	HIDEYUKI CHIGIRA	JPN	8:59.25	CHRISTOPHER BLACK	25.49	MICHAEL ROSS	USA			

World Masters Top 10
LCM (50 M)

2:02.00	B.BORDONALI	ITA	1:10.22	MARCO BOBBIO	ITA	25.75	EVGENIY VETYUKOV	RUS	2:25.61	FRITZ LEHMAN	USA
2:02.60	ALAIN BELLAGUET	FRA	1:10.57	CHRIS WEISSMAN	USA	25.88	BRUNO SOULAS	FRA	2:29.45	JIRI KYNERA	CZE
2:03.09	DENNIS BAKER	USA	1:11.65	J.ANDRE MELLADO	FRA	26.11	JOHN STACPOOLE	AUS	2:29.96	JONATHAN KLEIN	USA
2:05.14	STEVEN NEWMAN	USA	1:12.20	TADASHI FUJIMOTO	JPN	100 M.	FREE		2:30.32	PETER STORZNER	RSA
2:05.29	GRAHAM WELBOURN	CAN	1:12.70	BRIAN HASEGAWA	CAN	55.67	LARRY FORSYTH	AUS	2:30.40	DJAN MADRUGA	BRA
2:05.91	JEROME LAUDOUAR	FRA	1:12.72	GIANLUCA GRIGNANI	ITA	55.70	M.GUARDUCCI	ITA	50 M.	BRST	
4:11.55	DENNIS BAKER	USA	1:12.77	YASUO NARUSHIMA	JPN	56.31	BOB BUGG	USA	31.09	GLEN CHRISTIANSEN	SWE
4:15.71	MICHAEL KLEIBER	GER	1:13.11	RENATO POSSANZINI	ITA	56.54	PAUL BLACKBEARD	USA	31.76	MAGNUS FALTMAN	SWE
4:15.78	KAI DITZEL	GER	200 M.	BRST		56.79	BRUNO SOULAS	FRA	32.06	A.O'DRISCOLL	GBR
4:16.91	MICHAEL PRUFERT	GER	2:31.62	DAVID GUTHRIE	USA	57.04	FABRIZIO GRIFFO	ITA	32.09	OLIVIER BORIOS	FRA
4:17.23	STUART CROMARTY	USA	2:36.26	J.ANDRE MELLADO	FRA	57.40	PAUL CARTER	USA	32.23	GREGORY OXLEY	USA
4:18.66	GEOFFREY GLASER	USA	2:36.51	THOMAS LIGL	GER	57.56	DANIEL MACHEK	CZE	32.25	RONNY OLTNER	SWE
4:22.75	GERRY RODRIGUES	TRI	2:40.09	YASUO NARUSHIMA	JPN	57.64	ALAN BLADES	RSA	32.39	TIMUR PODMAREV	RUS
4:23.26	CYRO DELGADO	BRA	2:40.91	KAZUNORI UEMURA	JPN	58.12	EVGENIY VETYUKOV	RUS	32.57	ALBERT BOONSTRA	NED
4:24.05	B.BORDONALI	ITA	2:42.22	ALESSANDRO SOLE	ITA	200 M.	FREE		32.61	PHILIP WHITEHEAD	GBR
4:24.21	IGOR VAZHENIN	RUS	2:42.32	RENATO POSSANZINI	ITA	2:01.99	BOB BUGG	USA	32.67	TODD DIMSDALE	USA
8:00 M.	FREE		2:43.27	MARK ELLIOTT	GBR	2:04.09	DANIEL MACHEK	CZE	100 M.	BRST	
8:49.76	MICHAEL KLEIBER	GER	2:44.24	GARY THOMAS	GBR	2:04.18	M.GUARDUCCI	ITA	1:10.29	GLEN CHRISTIANSEN	SWE
8:51.45	STUART CROMARTY	USA	2:44.97	STEVEN CRYER	GBR	2:06.24	ALAN BLADES	RSA	1:10.77	TIMUR PODMAREV	RUS
8:57.38	MICHAEL PRUFERT	GER	50 M.	FLY		2:06.82	JIMMY FURRER	SUI	1:11.48	A.O'DRISCOLL	GBR
9:02.50	B.BORDONALI	ITA	26.01	ROBERTO TARRICONE	ITA	2:07.90	MARK DRENNEN	USA	1:12.44	RONNY OLTNER	SWE
9:07.07	GERRY RODRIGUES	TRI	26.74	ALEXEY FILONOV	RUS	2:07.94	JIM CALLAHAN	USA	1:12.73	TODD DIMSDALE	USA
9:18.41	RICARDO VALDIVIA	USA	26.89	TAIHEI SAKA	JPN	2:08.04	PAUL BLACKBEARD	USA	1:12.96	MAGNUS FALTMAN	SWE
9:18.54	IGOR VAZHENIN	RUS	26.97	RICARDO SANTOS	BRA	2:08.14	KLAUS KALINKE	GER	1:13.25	OLIVIER BORIOS	FRA
9:21.05	ARNALDO PEREZ	PUR	27.11	ROSTISLAV SLECHTA	CZE	2:08.23	THOMAS MC CABE	USA	1:13.30	PATRICK ALLENDER	USA
9:22.41	CUSTODIO RIBEIRO	BRA	27.17	JANNE VIRTANEN	FIN	400 M.	FREE		1:13.57	GREGORY OXLEY	USA
9:22.63	GRAHAM WELBOURN	CAN	27.20	MICHAEL BRETT	GBR	4:24.84	DANIEL MACHEK	CZE	1:13.58	KEITH HOFFMAN	USA
15:00 M.	FREE		27.37	ANDERS RASMUSSEN	USA	4:26.06	DJAN MADRUGA	BRA	200 M.	BRST	
16:58.74	MICHAEL PRUFERT	GER	27.38	ROBIN SCHUIJT	ESP	4:26.73	JIMMY FURRER	SUI	2:36.37	TIMUR PODMAREV	RUS
17:26.67	MICHAEL KLEIBER	GER	27.40	GREGG PRICE	RSA	4:27.17	MARK DRENNEN	USA	2:36.71	GLEN CHRISTIANSEN	SWE
17:33.33	PAOLO CARMINATI	ITA	100 M.	FLY		4:28.43	BRETT PHILLIPS	USA	2:39.63	A.O'DRISCOLL	GBR
18:11.62	ALAIN BELLAGUET	FRA	57.97	DENNIS BAKER	USA	4:29.02	JIM CALLAHAN	USA	2:40.12	PATRICK ALLENDER	USA
18:17.01	LEN GUSHE	CAN	58.86	ALEXEY FILONOV	RUS	4:31.13	ALAN BLADES	RSA	2:40.87	BARRY O'BRIEN	GBR
18:19.42	JEAN LUC ROLLAND	FRA	59.46	RICARDO SANTOS	BRA	4:32.80	ERIC EMINENTE	FRA	2:41.39	SERGEY MOLODIN	RUS
18:30.51	GEOFFREY GLASER	USA	59.58	ROBERTO TARRICONE	ITA	4:32.85	KEITH BERRYHILL	USA	2:42.98	HAJIME SHIMURA	JPN
18:31.47	ANDREW GRISTWOOD	GBR	59.68	ROBERTO CLAUDI	BRA	4:33.74	THOMAS MC CABE	USA	2:43.72	PETER KAUCH	GER
18:33.69	FRANK GOMOLL	GER	1:00.80	DANILO VICIOSO	DOM	800 M.	FREE		2:44.16	RONNY OLTNER	SWE
18:36.01	ROB MACKLE	USA	1:01.00	STEVE STOTHERS	CAN	9:03.54	DANIEL MACHEK	CZE	2:45.82	BENN DOYLE	USA
50 M.	BACK		1:01.60	TORBJORN WOLFFRAM	SWE	9:08.34	MARK DRENNEN	USA	50 M.	FLY	
29.13	STEVE WOOD	USA	1:01.87	ANDERS RASMUSSEN	USA	9:14.98	STEFANO SEGUITI	ITA	26.79	PAUL CARTER	USA
29.35	PETER MCKINNON	CAN	1:02.03	MICHAEL SCHMIDT	USA	9:15.83	JIMMY FURRER	SUI	27.24	FABIO BERNARDI	ITA
29.59	ANDERS RASMUSSEN	USA	200 M.	FLY		9:19.82	KLAUS ECKHOF	AUS	27.27	MARIO LLORET	ESP
29.59	F.RODRIGUEZ	PER	2:05.55	DENNIS BAKER	USA	9:25.63	JIM CALLAHAN	USA	27.27	R.GAMBOA	VEN
29.76	ROBERTO TARRICONE	ITA	2:15.18	A.TIBERTI	ITA	9:32.41	DJAN MADRUGA	BRA	27.44	PAUL MORRIS	GBR
29.79	ROBIN SCHUIJT	ESP	2:16.89	DAMIANO NANETTI	ITA	9:33.28	SIMON VEALE	GBR	27.46	WILLIAM SPECHT	USA
29.80	PAOLO FELOTTI	ITA	2:19.36	MICHAEL KLEIBER	GER	9:35.25	BRETT PHILLIPS	USA	27.64	GARY SCHATZ	USA
29.87	MARKUS FOLLMAN	GER	2:20.68	DANILO VICIOSO	DOM	9:39.70	LINCOLN DJANG	USA	27.83	THOMAS MC CABE	USA
29.89	MAMORU KAZAHAYA	JPN	2:20.73	ROBERTO CLAUDI	BRA	1500 M.	FREE		27.91	ROBERT GOLDBLOOM	USA
29.89	BRAD WELLS	USA	2:21.17	MICHAEL PRUFERT	GER	17:32.81	JIMMY FURRER	SUI	27.98	DJAN MADRUGA	BRA
100 M.	BACK		2:21.75	DETLEV MAAS	GER	17:38.94	MARK DRENNEN	USA	100 M.	FLY	
1:03.66	PETER MCKINNON	CAN	2:22.17	ALAIN BELLAGUET	FRA	17:47.47	STEFANO SEGUITI	ITA	57.61	PAUL CARTER	USA
1:03.75	STEVE WOOD	USA	2:22.85	IGOR VAZHENIN	RUS	17:49.09	BRETT PHILLIPS	USA	59.60	WILLIAM SPECHT	USA
1:04.57	MARTIN FENNER	GBR	200 M.	I.M.		18:00.48	KEITH BERRYHILL	USA	1:00.99	FABIO BERNARDI	ITA
1:04.62	ROBIN SCHUIJT	ESP	2:15.10	JENS-PETER BERNDT	USA	18:20.40	ALEXEI ZVEREV	GER	1:01.48	SERGII FESENKO	UKR
1:04.63	BRAD WELLS	USA	2:18.08	ANDERS RASMUSSEN	USA	18:20.61	ROB COPELAND	USA	1:01.58	PAUL BLACKBEARD	USA
1:04.78	PAOLO FELOTTI	ITA	2:18.55	A.TIBERTI	ITA	18:35.70	MATTHEW KANZLER	USA	1:01.87	PAUL MORRIS	GBR
1:04.94	LEN GUSHE	CAN	2:19.77	J.ANDRE MELLADO	FRA	18:41.46	MARC JOUANDON	FRA	1:02.29	MICHAL BARES	CZE
1:05.39	BRIAN JOHNSON	CAN	2:20.11	PAOLO CARMINATI	ITA	18:47.44	ANDY SALTZMAN	USA	1:02.39	THOMAS MC CABE	USA
1:05.90	MICHAEL BRETT	GBR	2:20.33	JEROME LAUDOUAR	FRA	50 M.	BACK		1:02.79	EVGENIY VETYUKOV	RUS
1:05.97	THOMAS DOCKHORN	GER	2:20.47	STUART CROMARTY	USA	29.25	FRITZ LEHMAN	USA	1:03.23	DJAN MADRUGA	BRA
200 M.	BACK		2:20.51	BRIAN JOHNSON	CAN	30.14	SCOTT SHAKE	USA	200 M.	FLY	
2:17.32	JENS-PETER BERNDT	USA	2:20.72	ROBERTO CLAUDI	BRA	30.30	R.GAMBOA	VEN	2:12.89	WILLIAM SPECHT	USA
2:18.53	LEN GUSHE	GBR	2:20.89	REED DUNNE	USA	30.33	PETER STORZNER	RSA	2:21.80	HUGO BREGMAN	NED
2:21.57	MARTIN FENNER	CAN	400 M.	I.M.		30.42	WILLIAM SPECHT	USA	2:24.20	RINAT GILYAZOV	RUS
2:21.84	PAOLO CARMINATI	ITA	4:49.75	DENNIS BAKER	USA	30.46	IGOR KRAVKOV	ISR	2:25.38	MATTHEW KANZLER	USA
2:21.88	THOMAS DOCKHORN	GER	4:53.24	JENS-PETER BERNDT	USA	30.64	MARIO LLORET	ESP	2:27.10	ALAN BLADES	RSA
2:23.70	PETER MCKINNON	CAN	4:53.39	A.TIBERTI	ITA	30.89	ISTVAN MARTON	HUN	2:27.49	JIMMY FURRER	SUI
2:23.88	ROBIN SCHUIJT	ESP	4:57.60	PAOLO CARMINATI	ITA	30.90	SALVATORE NANIA	ITA	2:27.77	LAJOS HEGEDUES	HUN
2:24.64	BRAD WELLS	USA	4:59.34	B.BORDONALI	ITA	31.00	G.BERTOLI	ITA	2:28.28	FABIO BERNARDI	ITA
2:25.31	N.LECHEVALIER	FRA	5:07.95	DANILO VICIOSO	DOM	100 M.	BACK		2:29.45	GLEN CHRISTIANSEN	SWE
2:25.51	HECTOR CHAO	USA	5:08.87	MICHAEL KLEIBER	GER	1:04.45	FRITZ LEHMAN	USA	2:29.66	ALEXEI ZVEREV	GER
50 M.	BRST		5:09.03	ARNALDO PEREZ	PUR	1:05.45	SCOTT SHAKE	USA	200 M.	I.M.	
30.52	MARCO BOBBIO	ITA	5:09.76	MARCUS MATTIOLI	BRA	1:05.59	PETER STORZNER	RSA	2:18.61	SERGII FESENKO	UKR
30.54	ROBERTO TARRICONE	ITA	5:14.72	SYLVAIN BARALE	FRA	1:06.74	WILLIAM SPECHT	USA	2:22.83	SERGEY MOLODIN	RUS
31.16	DAVID GUTHRIE	USA	*****	*****		1:06.80	WIESLAW MUSIAL	CAN	2:23.06	DJAN MADRUGA	BRA
31.28	F.RODRIGUEZ	PER	M E N 45-49	*****		1:07.00	G.BERTOLI	ITA	2:24.11	PAUL CARTER	USA
31.52	THOMAS LIGL	GER	*****	*****		1:07.09	ISTVAN MARTON	HUN	2:24.45	SALVATORE NANIA	ITA
31.82	BRIAN HASEGAWA	CAN	50 M.	FREE		1:07.57	BOB BUGG	USA	2:24.67	LINCOLN DJANG	USA
31.84	CHRIS WEISSMAN	USA	24.26	BRENT BARNES	JPN	1:08.05	JONATHAN KLEIN	USA	2:25.11	SIMON VEALE	GBR
31.95	J.ANDRE MELLADO	FRA	24.94	LARRY FORSYTH	AUS	200 M.	BACK		2:25.36	TIMUR PODMAREV	RUS
32.06	PER NORLIN	SWE	25.15	GARY SCHATZ	USA	2:21.87	SCOTT SHAKE	USA	2:25.98	ALEXEI ZVEREV	GER
32.08	DEAN PUTTERMAN	USA	25.44	M.GUARDUCCI	ITA	2:22.92	WIESLAW MUSIAL	CAN	2:26.46	SCOTT SHAKE	USA
100 M.	BRST		25.67	PAUL BLACKBEARD	USA	2:24.27	BOB BUGG	USA	4:59.83	DJAN MADRUGA	BRA
1:09.54	DAVID GUTHRIE	USA	25.69	FABRIZIO GRIFFO	ITA	2:25.05	G.BERTOLI	ITA	5:04.27	MICHAL BARES	CZE
1:09.96	THOMAS LIGL	GER	25.75	ALBERT BOONSTRA	NED	2:25.06	LINCOLN DJANG	USA	5:04.67	LINCOLN DJANG	USA

World Masters Top 10

LCM (50 M)

5:10.57	MARK DRENNEN	USA	31.94	DAVID HEFNER	USA	2:39.17	ERNST DENZER	GER	18:57.38	R TOD SPIEKER	USA
5:11.37	SCOTT SHAKE	USA	32.07	TIM SHEAD	RSA	2:39.42	ROBERT DI TOLLA	USA	19:25.15	D.UIJTENBOGAART	NED
5:11.62	SERGEY MOLODIN	RUS	100 M.	BACK		2:41.79	TREVOR CLARK	GBR	20:28.17	JEAN CLAUDE FAURE	FRA
5:11.71	JIMMY FURRER	SUI	1:04.83	TOM WOLF	USA	2:42.02	DAVE DICKSON	CAN	21:12.10	RICHARD SMITH	USA
5:13.30	SIMON VEALE	GBR	1:06.91	JOHN VAN BUUREN	CAN	200 M.	I.M.		21:16.29	GRAHAM CROFT	AUS
5:15.66	JIM CALLAHAN	USA	1:09.25	TIMOTHY SHEAD	RSA	2:23.06	LORENZO MARUGO	ITA	21:20.38	GARY BRENNER	USA
5:16.63	LAJOS HEGEDUES	HUN	1:09.34	EDDIE RIACH	GBR	2:23.88	TOM WOLF	USA	21:23.15	PETER SUBA	AUS
			1:09.34	PHILLIPP DJANG	USA	2:27.39	GREG SHAW	USA	21:31.40	PATRICK DEVINE	AUS
*****			1:09.39	F FERROGGIARO	USA	2:27.73	JOHN VAN BUUREN	CAN	21:42.23	MARC ANDERSON	USA
			1:09.90	CASEY CLAFLIN	USA	2:27.95	TIMOTHY SHEAD	RSA	21:59.03	TONY CATTERALL	GBR
			1:09.94	PAUL WHITE	USA	2:28.61	ROB WEYHENKE	NED	50 M.	BACK	
			1:10.41	JEFFREY PEROUT	USA	2:28.92	THOMAS BLISS	USA	30.78	HUGH WILDER	USA
			1:10.50	MARK PUGLIESE	USA	2:29.08	CELSO JUGEND	BRA	31.94	TOM GEIMAN	USA
			200 M.	BACK		2:29.40	ALEXANDER MILLS	NOR	32.75	JOSE LORO	BRA
			2:20.51	TOM WOLF	USA	2:30.13	DONALD GILCHRIST	USA	32.82	J.LESTIDEAU	FRA
			2:27.31	F FERROGGIARO	USA	400 M.	I.M.		33.02	GHARIB ATTEYA	EGY
			2:29.22	JIM ADAMS	NED	5:03.27	LORENZO MARUGO	ITA	33.41	BRUCE HUTTON	AUS
			2:30.54	THOMAS BLISS	USA	5:17.34	ALEXANDER MILLS	NOR	33.41	HOMER LANE	USA
			2:31.20	PHILLIPP DJANG	USA	5:21.94	THOMAS BLISS	USA	33.89	JOSEPH JACKSON	GBR
			2:31.86	EDDIE RIACH	GBR	5:25.14	GREG SHAW	USA	34.26	HUBIE KERNS	USA
			2:31.88	ETTORE BOSCHETTI	ITA	5:26.27	CELSO JUGEND	BRA	34.27	STEVEN HECK	USA
			2:34.44	PAUL WHITE	USA	5:27.62	LARRY WOOD	USA	100 M.	BACK	
			2:34.53	ROB WEYHENKE	NED	5:32.44	DONALD GILCHRIST	USA	1:08.16	HUGH WILDER	USA
			2:35.89	JOHN MARCH	CAN	5:32.83	TIM SHEAD	RSA	1:11.04	TERRY DOWNES	RSA
			50 M.	BRST		5:34.24	JOHN MCCALL	USA	1:13.35	JOSE LORO	BRA
			32.20	JACK GROSELLE	USA	5:37.21	TYRONE TOZER	RSA	1:13.52	GHARIB ATTEYA	EGY
			32.77	TIMOTHY SHEAD	RSA				1:14.52	HUBIE KERNS	USA
			33.18	A.BATISTSEV	EST	*****			1:15.02	EBBE RASMUSSEN	DEN
			33.41	DOUGLAS RYERSON	USA				1:15.47	FRANK WARNER	USA
			33.74	NEVILLE BARTON	GBR				1:15.85	HOMER LANE	USA
			33.85	TONY CAWOOD	RSA				1:16.39	IVAN MYALL	GBR
			34.09	JOHN HARKER	GBR				1:16.44	STEVE HECK	USA
			34.21	C.STARZEC	FRA				200 M.	BACK	
			34.34	DAVID ELLWANGER	USA				2:34.55	TOD SPIEKER	USA
			34.38	HARTMUT HUMMEL	GER				2:36.23	TERRY DOWNES	RSA
			100 M.	BRST					2:38.55	HUGH WILDER	USA
			1:11.49	JACK GROSELLE	USA				2:39.99	JOSE LORO	BRA
			1:13.58	TIMOTHY SHEAD	RSA				2:41.27	IVAN MYALL	GBR
			1:14.98	A.BATISTSEV	EST				2:44.33	FRANK WARNER	USA
			1:15.25	JOHN HARKER	GBR				2:45.98	ARNALDO COLETTI	ITA
			1:15.84	NEVILLE BARTON	GBR				2:46.14	JOHN FOSKETT	GBR
			1:16.26	JURGEN KONNEKER	GER				2:47.33	EBBE RASMUSSEN	DEN
			1:16.92	DOUGLAS RYERSON	USA				2:49.21	JEAN LESTIDEAU	FRA
			1:17.08	JOHN PEARSON	GBR				50 M.	BRST	
			1:17.46	WILLIAM REID	GBR				34.63	JACQUES SICOT	FRA
			1:17.96	C.STARZEC	FRA				34.74	ALLEN STARK	USA
			200 M.	BRST					35.10	YOSHITADA MAEDA	JPN
			2:35.08	LORENZO MARUGO	ITA				35.24	JOHN LIRON	FRA
			2:45.62	TIMOTHY SHEAD	RSA				35.33	CLAY KOLAR	USA
			2:48.51	A.BATISTSEV	EST				35.37	ROD CARGILL	USA
			2:48.83	WILLIAM REID	GBR				35.43	JOHN DERR	USA
			2:50.36	TAKEO HIRAMOTO	JPN				35.44	DANIEL ROGACKI	USA
			2:50.68	JOHN PEARSON	GBR				35.48	LEON BOBASKI	AUS
			2:51.22	DOUGLAS RYERSON	USA				35.64	PETER BALASY	HUN
			2:52.61	DONALD GILCHRIST	USA				100 M.	BRST	
			2:52.76	JOHN TEMPLIN	USA				1:17.97	ALLEN STARK	USA
			2:52.84	LANG MEEM	USA				1:18.37	JOHN DERR	USA
			50 M.	FLY					1:19.64	JACQUES SICOT	FRA
			26.23	TRIP HEDRICK	USA				1:19.68	ALBERTO SICA	ITA
			27.39	JOHN VAN BUUREN	CAN				1:20.16	NIKOLAI KULAKOV	RUS
			27.64	DAVID HAGUE	USA				1:20.17	ROD CARGILL	USA
			27.80	RICHARD HESS	USA				1:20.59	PETER BALASY	HUN
			28.05	DONALD GRAHAM	USA				1:20.60	CLAY KOLAR	USA
			28.11	ROBERT HANSEN	USA				1:20.79	DANIEL ROGACKI	USA
			28.26	ERNST DENZER	GER				1:21.03	MANFRED ZEHR	GER
			28.48	SCOTT LAUTMAN	USA				200 M.	BRST	
			28.53	E.DENZER	GER				2:53.86	ALLEN STARK	USA
			28.57	RENE PLAESCHKE	GER				2:54.08	JOHN DERR	USA
			100 M.	FLY					2:54.93	ROY BURTON	AUS
			59.49	TRIP HEDRICK	USA				2:59.23	DANIEL ROGACKI	USA
			1:01.43	JOHN VAN BUUREN	CAN				3:00.67	ALBERTO SICA	ITA
			1:01.99	GREG SHAW	USA				3:01.07	NIKOLAI KULAKOV	RUS
			1:02.04	SCOTT LAUTMAN	USA				3:01.60	SHINJI OMIGAWA	JPN
			1:03.37	JOHN MCCALL	USA				3:02.57	HUBIE KERNS	USA
			1:03.61	RICHARD HESS	USA				3:02.58	DAVE GEMMILL	USA
			1:04.54	DONALD GRAHAM	USA				3:02.63	MANFRED ZEHR	GER
			1:05.04	JOHN CRAIG	USA				50 M.	FLY	
			1:05.05	ERNST DENZER	GER				28.69	TOM GEIMAN	USA
			1:05.49	STEVEN PRESCOTT	NZL				28.81	GEOFFREY FERREIRA	TRI
			200 M.	FLY					29.33	JAMES DE LACY	USA
			2:21.40	SCOTT LAUTMAN	USA				29.44	SHIGEO ASANO	JPN
			2:33.37	TAKEO HIRAMOTO	JPN				29.52	HUGH WILDER	USA
			2:33.91	THOMAS BLISS	USA				29.69	KIERAN KELLEHER	ITA
			2:34.72	ANDREAS BOLDT	GER				30.01	JOHN DERR	USA
			2:35.35	TOM WOLF	USA				30.02	STEVEN HECK	USA
			2:35.94	STEVEN PRESCOTT	NZL				30.09	JON SHASTID	USA
									1500 M.	FREE	

World Masters Top 10

LCM (50 M)

30.22	SADAO SAJIKI	JPN	5:09.25	L.BELLUZZO	ITA	1:24.21	JAMES PELLISSIER	USA	1:06.97	JERRY CLARK	USA
100 M.	FLY		5:12.82	KUNIHIRO IWASAKI	JPN	200 M.	BRST		1:07.63	FABRIZIO MOMONI	ITA
1:05.16	SHIGEO ASANO	JPN	5:13.78	GUIDO BAUDI	ITA	2:55.26	GERSHON SHEFA	ISR	1:07.64	BOB BAILIE	USA
1:06.89	TOM GEIMAN	USA	5:14.66	C MUTER	USA	2:55.55	KENNETH FROST	USA	1:07.76	RAYMOND STOKES	GBR
1:09.00	JOEL BURNS	USA	5:15.24	LUCIANO CAMELLI	ITA	2:58.94	JURGEN ALTENHOFEN	GER	1:08.06	JOHN TENNANT	GBR
1:09.48	SVEN VON HOLST	SWE	5:16.13	RUDOLF SMERDA	CZE	3:00.54	DAVID GILDEA	USA	1:08.33	GARY FREELING	RSA
1:09.58	KIERAN KELLEHER	IRL	5:21.64	WILLIE WILSON	RSA	3:00.84	J.ALTENHOFEN	GER	1:08.99	WERNER SCHNABEL	GER
1:09.80	GABOR CSABA	HUN	5:21.94	DON DAVIS	USA	3:04.41	RAINER OPITZ	GER	200 M.	FREE	
1:09.86	HORST LEHMANN	GER	5:24.10	MARIO PATERNI	ITA	3:05.39	PERTTI LAAKSONEN	FIN	2:26.63	MASATO YOSHINO	JPN
1:10.29	JAMES DE LACY	USA	800 M.	FREE		3:05.39	ROB HANOU	NED	2:26.75	FABRIZIO MOMONI	ITA
1:10.50	FRED BAIRD	USA	10:22.46	SANDY GALLETTY	GBR	3:08.83	HELMUT BEER	GER	2:27.18	RAYMOND STOKES	GBR
1:10.79	GEOFFREY FERREIRA	TRI	10:36.64	MARIO PATERNI	ITA	3:09.78	PETER ANDERSEN	USA	2:29.61	KAZUYA NISHINO	JPN
200 M.	FLY		10:47.02	L.BELLUZZO	ITA	50 M.	FLY		2:31.63	DAVID HARRISON	USA
2:37.59	SHIGEO ASANO	JPN	10:55.13	VICTOR PAUL	AUS	29.22	JOSEP CLARET	ESP	2:32.40	GARY FREELING	RSA
2:44.48	GABOR CSABA	HUN	11:16.99	DEREK PARR	GBR	29.87	JIM DRAGON	USA	2:33.16	WERNER SCHNABEL	GER
2:49.46	INGO BRAULER	GER	11:17.13	ALBERTO MURILLO	ESP	29.99	C MUTER	USA	2:33.25	JOHN CRISP	AUS
2:52.90	JEAN CLAUDE FAURE	FRA	11:19.86	BILL DAWSON	USA	30.20	DAVID QUIGGIN	USA	2:33.97	MIKE EDWARDS	RSA
2:54.72	D.UIJTENBOGAART	NED	11:24.90	FERDINANDO ORENGO	ITA	30.37	ROBERT POILETMAN	USA	2:34.30	JERRY CLARK	USA
2:56.61	TONY O BRIEN	IRL	11:26.74	FRANCIS GODDEN	AUS	30.42	ROBERT OLSON	USA	400 M.	FREE	
2:57.00	PAULO MOTTA	BRA	11:26.87	WILLIE WILSON	RSA	30.89	BERND SCHROEDER	GER	5:07.24	FABRIZIO MOMONI	ITA
2:58.81	GAARD ARNESON	USA	1500 M.	FREE		31.00	KOJI IWAMOTO	JPN	5:15.39	RAYMOND STOKES	GBR
2:59.36	HUBERT HEINTZ	FRA	20:10.45	SANDY GALLETTY	USA	31.04	RUDOLF SMERDA	CZE	5:21.75	JOHN CRISP	AUS
2:59.37	HERBERT LANGE	GER	20:48.79	VICTOR PAUL	AUS	31.35	SCOTT GUTHRIE	USA	5:25.37	WERNER SCHNABEL	GER
200 M.	I.M.		21:46.39	FRANCIS GODDEN	AUS	100 M.	FLY		5:27.56	ERNIE LESKOVITZ	USA
2:36.22	STEVEN HECK	USA	22:06.44	DEREK PARR	GBR	1:07.09	ROBERT POILETMAN	USA	5:27.65	DAVID HARRISON	USA
2:39.29	GABOR CSABA	HUN	22:07.24	DON DAVIS	USA	1:08.93	JOSEP CLARET	ESP	5:28.22	GARY FREELING	RSA
2:39.84	HUGH WILDER	USA	22:13.38	HEINZ DEKARA	GER	1:10.64	DEREK PARR	GBR	5:31.41	NIC GEERS	NED
2:40.07	GHAREB ATTEIA	EGY	22:14.92	BILL DAWSON	USA	1:11.37	C MUTER	USA	5:33.34	JERRY CLARK	USA
2:41.10	TERRY DOWNES	RSA	22:17.96	RON BURNS	CAN	1:11.77	BERND SCHROEDER	GER	5:33.76	MASATO YOSHINO	JPN
2:41.40	KIERAN KELLEHER	ITA	22:22.86	ROB HANOU	NED	1:12.22	KOJI IWAMOTO	JPN	800 M.	FREE	
2:42.13	LASZLO CSABA	HUN	22:26.64	J.GUILBERT	FRA	1:13.87	RICHARD KITCHELL	USA	10:34.37	FABRIZIO MOMONI	ITA
2:43.06	WALDYR RAMOS	BRA	50 M.	BACK		1:14.07	DONALD MCINTOSH	USA	11:06.06	RAYMOND STOKES	GBR
2:43.08	DUNCAN MCCREADIE	GBR	33.08	JOZSEF CSIKANY	HUN	1:15.64	TOMOYASU IIDA	JPN	11:15.47	JOHN CRISP	AUS
2:44.72	MICHAEL FOX	USA	33.65	RICHARD ALEXANDER	USA	1:15.87	RUDOLF SMERDA	CZE	11:15.77	ERNIE LESKOVITZ	USA
400 M.	I.M.		33.97	LUCIEN GAUCHE	FRA	200 M.	FLY		11:32.61	DAVID HARRISON	USA
5:38.78	TOD SPIEKER	USA	34.12	LUIZ FIGUEIREDO	BRA	2:40.30	ROBERT POILETMAN	USA	11:38.55	JERRY CLARK	USA
5:54.72	D.UIJTENBOGAART	NED	34.40	DAVID QUIGGIN	USA	2:48.64	DEREK PARR	GBR	11:40.57	MICK MARSHALL	GBR
5:55.20	MICHAEL FOX	USA	34.59	FRANS VAN ENST	NED	2:54.29	VICTOR PAUL	AUS	11:42.32	GARY FREELING	RSA
5:57.32	GRAHAM SHORT	GBR	34.62	HIROSHI NONAKA	JPN	2:55.98	RICHARD KITCHELL	USA	11:48.28	ISAO NAKAMOTO	JPN
6:00.66	STEVE HECK	USA	35.12	VINUS VAN BAALEN	CAN	2:57.10	KOJI IWAMOTO	JPN	11:59.03	NIC GEERS	NED
6:03.30	BOB COUCH	USA	35.48	MIKLOS KOVATS	HUN	3:03.02	WILLIAM MUTER	USA	1500 M.	FREE	
6:03.86	GAARD ARNESON	USA	35.51	YOSHIKATSU SAWADA	JPN	3:03.35	YASUTAKA KOIKE	JPN	20:08.74	FABRIZIO MOMONI	ITA
6:04.24	ANDY WILSON	GBR	35.51	MASAO KIJIMA	JPN	3:04.64	HELMUT BEER	GER	21:12.01	RAYMOND STOKES	GBR
6:04.98	WALDYR RAMOS	BRA	100 M.	BACK		3:05.01	DETLEV HENSCHES	GER	21:38.90	JOHN CRISP	AUS
6:09.63	RICHARD SMITH	USA	1:14.39	JOZSEF CSIKANY	HUN	3:06.16	ROB HANOU	NED	21:40.09	DAVID HARRISON	USA
			1:16.47	LUCIEN GAUCHE	FRA	200 M.	I.M.		21:49.12	ERNIE LESKOVITZ	USA
			1:17.36	DONALD MCINTOSH	USA	2:42.09	WILLIAM MUTER	USA	22:35.12	YASUSHI YAMAGUCHI	JPN
			1:17.75	RICHARD ALEXANDER	USA	2:42.36	JURGEN ALTENHOFEN	GER	22:36.07	MICK MARSHALL	GBR
			1:18.68	HIROSHI NONAKA	JPN	2:45.40	GIAMPIERO FOSSATI	ITA	22:50.06	ISAO NAKAMOTO	JPN
			1:18.76	FRANS VAN ENST	NED	2:49.35	KENNETH FROST	USA	23:04.79	NIC GEERS	NED
			1:19.23	VINUS VAN BAALEN	CAN	2:49.52	SANDY GALLETTY	USA	23:32.22	JOHN PUGH	AUS
			1:19.28	E.FERNANDEZ	MEX	2:50.57	KUNIHIRO IWASAKI	JPN	50 M.	BACK	
			1:19.33	LUIZ FIGUEIREDO	BRA	2:51.11	MIKE FRESHLEY	USA	35.87	PETER BERGENGREN	SWE
			1:19.79	MASAO KIJIMA	JPN	2:53.48	VICTOR PAUL	AUS	35.96	HELMUT RICHTER	GER
			200 M.	BACK		2:54.01	JAMES PELLISSIER	USA	37.10	Y.FUNAHASHI	JPN
			2:43.67	JOZSEF CSIKANY	HUN	2:54.23	KIMBALL BERNARD	USA	37.21	TAISUKE MIYAZAKI	JPN
			2:44.80	DONALD MCINTOSH	USA	400 M.	I.M.		37.24	MOTOHISA HIROSE	JPN
			2:48.22	LUCIEN GAUCHE	FRA	5:46.59	GIAMPIERO FOSSATI	ITA	37.39	DAVID MCINTYRE	USA
			2:50.76	BERND HORSTMANN	GER	5:52.27	GERSHON SHEFA	ISR	37.49	JOSEPH LAMMERT	USA
			2:57.44	E.FERNANDEZ	MEX	5:52.75	JURGEN ALTENHOFEN	GER	37.82	PETER BAUCH	GER
			2:57.66	LUIZ FIGUEIREDO	BRA	5:58.50	SANDY GALLETTY	USA	37.83	THOMAS ROBSON	GBR
			2:58.00	DAVID LANGLEY	GBR	6:06.99	VICTOR PAUL	AUS	37.87	ALAN JACKSON	GBR
			2:58.83	MASAO KIJIMA	JPN	6:11.32	WILLIAM MUTER	USA	100 M.	BACK	
			3:00.02	GERARDO STEUDEL	ESP	6:16.80	MASAO KIJIMA	JPN	1:21.70	MARTY MENNEN	USA
			3:00.37	FRANS VAN ENST	NED	6:17.42	ROB HANOU	NED	1:21.86	ALAN JACKSON	GBR
			50 M.	BRST		6:21.02	HELMUT BEER	GER	1:23.22	TAISUKE MIYAZAKI	JPN
			35.36	PETER ANDERSEN	USA	6:22.46	MIKE FRESHLEY	USA	1:23.51	LAJOS VAGUJHELYI	HUN
			35.69	KENNETH FROST	USA				1:25.19	MOTOHISA HIROSE	JPN
			35.85	ALBERT KOSTITSIN	FIN				1:26.14	PETER BAUCH	GER
			35.91	OSAMU MAEDA	JPN				1:26.48	E.NODENSCHNEIDER	FRA
			35.94	JIM DRAGON	USA				1:27.36	GUNTER KOBOW	GER
			36.14	SCOTT GUTHRIE	USA				1:27.58	DAVID PAINTER	USA
			36.41	E.KIRJAVAINEN	FIN				1:27.87	GERHARD HOLE	GER
			36.44	KIMBALL BERNARD	USA				200 M.	BACK	
			36.60	GERSHON SHEFA	ISR				2:57.73	MARTY MENNEN	USA
			36.74	RAINER OPITZ	GER				2:57.89	ALAN JACKSON	GBR
			100 M.	BRST					3:02.28	LAJOS VAGUJHELYI	HUN
			1:19.12	KENNETH FROST	USA				3:02.99	TAISUKE MIYAZAKI	JPN
			1:20.30	ALBERT KOSTITSIN	FIN				3:02.99	E.NODENSCHNEIDER	FRA
			1:21.06	DAVID GILDEA	USA				3:06.05	THOMAS WALKER	GBR
			1:21.54	RAINER OPITZ	GER				3:07.65	PETER BAUCH	GER
			1:22.75	KIMBALL BERNARD	USA				3:08.47	NIC GEERS	NED
			1:22.76	PETER ANDERSEN	USA				3:10.82	BRENT LAKE	USA
			1:23.55	PAVEL PEJSA	CZE				3:12.12	OSAMU YAMAGUCHI	JPN
			1:23.67	THOMAS BOAK	USA				50 M.	BRST	
			1:23.98	PERTTI LAAKSONEN	FIN				35.56	YOSHIHIKO OSAKI	JPN

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LCM (50 M)

37.83	BELA FABIAN	HUN			1:29.42	CLARKE MITCHELL	USA	3:12.33	WERNER MULLER	GER
37.84	JURGEN SCHUBERT	GER	*****		1:30.15	GRAHAM JOHNSTON	USA	3:16.04	HERWIG HERBERT	AUT
38.08	JURGEN ZIMMERMANN	GER		M E N 70-74	1:30.67	LARRY GOOD	USA	3:16.51	TSUTOMU KAJIHARA	JPN
38.16	MASATERU ISA	JPN	*****		1:31.29	STAN MC CONNELL	USA	3:17.87	GRAHAM JOHNSTON	USA
38.19	HANS REICHEL	GER			1:31.89	MASAYASU KAMIYA	JPN	3:20.70	HORST KESTENER	BRA
38.40	RINALDO FERREIRA	BRA		50 M. FREE	1:32.48	ROBERT MAYO	USA	3:22.36	MASAYASU KAMIYA	JPN
38.77	YOSHIKI AOKI	JPN		28.46 WOLFRAM GOTTFRIED	200 M. BACK			3:23.42	JOSEF KREJCI	SUI
38.80	TONY GOODWIN	AUS		30.26 DAVID RADCLIFF	3:01.68	BURWELL JONES	USA	3:23.76	RICHARD WEICK	USA
38.89	HIROFUMI HOSOTANI	JPN		30.46 ALDO EMINENTE	3:09.17	MAMPEI SEINO	JPN	400 M. I.M.		
100 M. BRST				30.67 RONALD JOHNSON	3:13.40	GRAHAM JOHNSTON	USA	6:50.77	BURWELL JONES	USA
1:25.28	BELA FABIAN	HUN		30.99 JOSEPH PHILLIPS	3:14.00	ROBERT MAYO	USA	6:57.96	DIETER LOELIGER	AUS
1:26.40	HANS REICHEL	GER		31.00 ILO FONSECA	3:16.09	LARRY GOOD	USA	6:59.40	A.VERESCHCHAGIN	RUS
1:27.01	TETSUO NAKAMARU	JPN		31.23 YOSHI OKAWA	3:18.19	DIETER LOELIGER	AUS	7:02.30	WILLIAM LAUER	USA
1:27.57	JURGEN ZIMMERMANN	GER		31.42 J.LOUIS LE DALL	3:18.48	ROGER BURREL	FRA	7:12.01	JOSEF KREJCI	SUI
1:27.83	THOMAS WALKER	GBR		31.84 RUDI VAN ESS	3:19.23	ALAN RAPPERPORT	USA	7:13.88	HERB KERN	USA
1:28.02	YOSHIKI AOKI	JPN		31.89 MAX VAN GELDER	3:19.59	YOSHI OKAWA	USA	7:29.14	PAUL ALVAREZ	GBR
1:28.30	TONY GOODWIN	AUS		100 M. FREE	3:22.30	STAN MC CONNELL	USA	7:29.20	JORN MASTERS	USA
1:28.31	RINALDO FERREIRA	BRA		1:07.79 DAVID RADCLIFF	50 M. BRST			7:34.64	JORG FAUST	GER
1:28.74	P.WERMELSKIRCHEN	GER		1:07.83 WOLFRAM GOTTFRIED	37.93	AKIO SUGIYAMA	JPN	7:35.80	ALAN RAPPERPORT	USA
1:28.78	CHRISTIAN THIESS	AUS		1:10.42 DREN GEER	39.47	JOHN KORTHEUER	USA			
200 M. BRST				1:10.49 BURWELL JONES	40.25	VITEZSLAV SVOZIL	CZE	*****		
3:02.13	MICHAEL MOLONEY	AUS		1:12.37 RONALD JOHNSON	40.29	TSUTOMU KAJIHARA	JPN		M E N 75-79	
3:09.79	YOSHIKI AOKI	JPN		1:13.28 JOSEPH PHILLIPS	40.54	WERNER MULLER	GER	*****		
3:12.37	HANS REICHEL	GER		1:13.31 ROY DREW	40.60	STAN MORNER	USA	50 M. FREE		
3:14.14	THOMAS WALKER	GBR		1:13.53 ROBERT MAYO	40.68	DON BIDWELL	NZL	33.10	PETER VAN DIJK	USA
3:14.69	CHRISTIAN THIESS	AUS		1:13.76 MASAYASU KAMIYA	40.68	DON BIDWELL	NZL	33.15	DICK WEBBER	USA
3:17.39	TONY GOODWIN	AUS		1:14.10 EROS STELLA	41.01	SHUNSAKU TAKAHIRA	JPN	33.15	FRANK PIEMME	USA
3:17.94	P.WERMELSKIRCHEN	GER		200 M. FREE	41.07	LASSE KNAPP	FIN	33.75	ARAM BOGHOSSIAN	BRA
3:20.04	GUNTER SCHMAH	GER		2:32.24 DAVID RADCLIFF	41.11	RUDI VAN ESS	GER	33.85	ALLEN MILES	GBR
3:20.71	PETER BELL	CAN		2:35.56 BURWELL JONES	100 M. BRST			33.96	SHOICHI SHIDA	JPN
3:22.17	HARTMUT LEMCKE	GER		2:42.46 LARRY GOOD	1:29.51	BOB PATTEN	USA	33.97	ROD BAKER	AUS
50 M. FLY				2:42.83 GRAHAM JOHNSTON	1:30.39	SHUNSAKU TAKAHIRA	JPN	34.58	JUSTIN DIEHL	USA
31.94	Y.FUNAHASHI	JPN		2:43.12 DAVE ANDERSON	1:31.75	JOHN KORTHEUER	USA	34.68	ZAVEN BOGHOSSIAN	BRA
32.13	BERT PETERSEN	USA		2:46.56 J.LOUIS LE DALL	1:32.23	AKIO SUGIYAMA	JPN	34.69	HIROSHI YOSHIMURA	JPN
32.38	JOSEPH LAMMERT	USA		2:46.93 ALDO EMINENTE	1:32.42	TSUTOMU KAJIHARA	JPN	100 M. FREE		
32.59	HIROSHI MATSUMOTO	JPN		2:47.61 DREN GEER	1:32.53	VITEZSLAV SVOZIL	CZE	1:15.46	ARAM BOGHOSSIAN	BRA
32.64	HELMUT RICHTER	GER		2:48.84 TAKASHI IMASAKA	1:33.47	WERNER MULLER	GER	1:15.97	PETER VAN DIJK	USA
32.74	PETER BERGENGREN	SWE		2:50.14 ROY DREW	1:34.52	RUDI VAN ESS	GER	1:16.63	HIROSHI YOSHIMURA	JPN
33.02	JOHN TENNANT	GBR		400 M. FREE	1:34.90	DON BIDWELL	NZL	1:16.66	SHOICHI SHIDA	JPN
33.21	TAISUKE MIYAZAKI	JPN		5:31.23 DAVID RADCLIFF	1:35.44	HERBERT HERWIG	AUT	1:17.36	DAVID LAWLER	AUS
33.46	BOB BAILIE	USA		5:36.45 BURWELL JONES	200 M. BRST			1:18.28	FRANK PIEMME	USA
33.50	KAZUYA NISHINO	JPN		5:50.13 LARRY GOOD	3:18.20	BOB PATTEN	USA	1:18.44	ROD BAKER	AUS
100 M. FLY				5:52.21 WILLIAM LAUER	3:23.51	TSUTOMU KAJIHARA	JPN	1:19.65	DALE WEBSTER	USA
1:12.78	BARRY YOUNG	NZL		6:02.34 WILHELM RAUCH	3:28.07	HERWIG HERBERT	AUT	1:20.33	ALLEN MILES	GBR
1:16.80	TAISUKE MIYAZAKI	JPN		6:05.72 GEORGE BRUNSTAD	3:29.63	DIETER LOELIGER	AUS	1:20.44	DICK WEBBER	USA
1:19.98	DAVID CUMMING	GBR		6:08.42 JOHN STARR	3:29.79	SHUNSAKU TAKAHIRA	JPN	200 M. FREE		
1:20.90	WOLFGANG SIEBER	GER		6:10.72 ROY DREW	3:31.92	VITEZSLAV SVOZIL	CZE	2:49.78	HIROSHI YOSHIMURA	JPN
1:22.66	LUC AUZANNEAU	FRA		6:10.79 JOSEF KREJCI	3:33.50	ERICH NEUMANN	GER	2:55.40	ARAM BOGHOSSIAN	BRA
1:22.85	DAVID GILLANDERS	USA		6:10.97 J.LOUIS LE DALL	3:34.15	ERIVALDO LIMA	BRA	2:55.68	DAVID LAWLER	AUS
1:22.93	P.WERMELSKIRCHEN	GER		800 M. FREE	3:34.34	JOACHIM KESSLER	GER	2:58.72	ROD BAKER	AUS
1:23.26	ERNIE LESKOVITZ	USA		11:37.06 DAVID RADCLIFF	3:36.76	JORG FAUST	GER	3:00.98	PETER VAN DIJK	USA
1:24.80	MASARU IGARASHI	JPN		11:45.38 BURWELL JONES	50 M. FLY			3:06.55	FRANK PIEMME	USA
1:26.33	JURGEN LOWAG	GER		12:10.32 LARRY GOOD	30.07	ALDO EMINENTE	FRA	3:09.01	NORITO OBA	JPN
200 M. FLY				12:10.77 GRAHAM JOHNSTON	33.62	RONALD JOHNSON	USA	3:10.31	FERENC LATIN	HUN
3:01.71	TAISUKE MIYAZAKI	JPN		12:20.49 WILLIAM LAUER	33.85	J.LOUIS LE DALL	FRA	3:11.08	MINORU NAGASHIMA	JPN
3:11.83	DAVID CUMMING	GBR		12:44.24 WILHELM RAUCH	35.47	MASAYASU KAMIYA	JPN	3:12.59	DICK WEBBER	USA
3:13.49	RUDI BECKER	GER		12:54.17 JOHN STARR	35.50	ANTONIO SOUZA	BRA	5:54.36	HIROSHI YOSHIMURA	JPN
3:15.85	P.WERMELSKIRCHEN	GER		12:54.70 JOSEF KREJCI	35.85	TAKASHI HAYASHI	JPN	6:11.51	ARAM BOGHOSSIAN	BRA
3:18.53	JURGEN LOWAG	GER		13:09.33 ALAN RAPPERPORT	36.00	WOLFRAM GOTTFRIED	GER	6:13.41	DAVID LAWLER	AUS
3:19.41	DAVE MCLACHLAN	RSA		13:25.62 ROBERT MAYO	36.22	TSUTOMU KAJIHARA	JPN	6:39.32	KARL HAUTER	GER
3:22.71	LARI MALK	FIN		1500 M. FREE	36.22	WERNER MULLER	GER	6:42.72	FRANK PIEMME	USA
3:25.26	DAVID GILLANDERS	USA		22:06.39 DAVID RADCLIFF	36.50	SEYMOUR BANNING	GBR	6:43.86	HIROSHI YAMAZAKI	JPN
3:25.56	TADAHIKO SAKATANI	JPN		22:17.24 BURWELL JONES	100 M. FLY			6:45.73	D.CASOLINO	ITA
3:27.74	A EMORY HAWORTH	USA		22:47.77 GEORGE BRUNSTAD	1:23.13	TAKASHI HAYASHI	JPN	6:50.09	GERHARD SCHOLZ	GER
200 M. I.M.				24:02.21 DIETER LOELIGER	1:26.39	ANTONIO SOUZA	BRA	6:51.13	HIROSHI IMAIZUMI	JPN
2:45.17	BARRY YOUNG	NZL		24:14.66 WLL RAUCH	1:26.93	WILLIAM LAUER	USA	6:56.05	NORITO OBA	JPN
2:55.24	LAJOS VAGUJHELYI	HUN		24:43.94 ROBERT MAYO	1:27.33	WERNER MULLER	GER	800 M. FREE		
3:02.09	P.WERMELSKIRCHEN	GER		25:34.02 TAKANAO SATO	1:27.87	SEYMOUR BANNING	GBR	12:53.11	DAVID LAWLER	AUS
3:05.23	DAVID PAINTER	USA		25:38.29 WAYNE LEENGRAN	1:31.15	MASAYASU KAMIYA	JPN	13:10.73	ARAM BOGHOSSIAN	BRA
3:05.24	JOHN CRISP	AUS		25:39.44 OSAMU IWANAMI	1:34.55	TAKASHI SATO	JPN	14:07.47	GERHARD SCHOLZ	GER
3:06.55	HANS REICHEL	GER		25:42.60 DICK CHISHOLM	1:34.66	DREN GEER	USA	14:13.10	STAN JACOBS	AUS
3:09.69	CHRISTIAN THIESS	AUS		50 M. BACK	1:34.72	STAN MORNER	USA	14:18.49	D.CASOLINO	ITA
3:11.04	HEINZ JENSEN	GER		35.83 YOSHI OKAWA	1:35.58	ERIVALDO LIMA	BRA	14:39.41	WINTHROP WILSON	USA
3:12.03	NIC GEERS	NED		35.89 S.SEKIKAWA	200 M. FLY			14:45.80	KEN MCKAY	GBR
3:12.06	RUDI BECKER	GER		37.62 BURWELL JONES	3:16.61	TAKASHI HAYASHI	JPN	14:47.60	GERHARD GROSSER	GER
400 M. I.M.				38.65 GEORGE GFROERER	3:30.03	WILLIAM LAUER	USA	14:53.69	IRWIN STOLZ	USA
5:52.79	BARRY YOUNG	NZL		38.83 CLARKE MITCHELL	3:32.37	SEYMOUR BANNING	GBR	14:55.66	W MORGAN BYERS	USA
6:27.64	LAJOS VAGUJHELYI	HUN		39.07 RONALD JOHNSON	3:35.65	ERIVALDO LIMA	BRA	1500 M. FREE		
6:34.94	DAVID CUMMING	GBR		40.59 RICHARD WEICK	3:36.82	PAUL ALVAREZ	GBR	26:50.90	GERHARD SCHOLZ	GER
6:39.96	JOHN CRISP	AUS		40.64 WERNER MULLER	3:41.49	HERB KERN	USA	27:22.80	DOMENICO CASOLINO	ITA
6:41.03	P.WERMELSKIRCHEN	GER		40.65 K.KAWASHIMA	3:45.77	DREN GEER	USA	27:53.37	HIROSHI IMAIZUMI	JPN
6:46.04	ERNIE LESKOVITZ	USA		40.68 GORO TABUCHI	3:47.89	VIKTOR BOROVIKOV	RUS	28:07.40	HORST FRITSCHER	GER
6:49.89	NIC GEERS	NED		100 M. BACK	3:50.78	TOSHIMASA MINAMI	JPN	28:10.61	GERHARD GROSSER	GER
6:52.32	CHRISTIAN THIESS	AUS		1:19.12 YOSHI OKAWA	200 M. I.M.			28:13.14	IRWIN STOLZ	USA
6:57.35	JURGEN LOWAG	GER		1:21.48 S.SEKIKAWA	3:06.99	BURWELL JONES	USA	28:14.54	ROGER FRANKS	USA
7:03.45	RUDI BECKER	GER		1:22.74 BURWELL JONES	3:12.20	DIETER LOELIGER	AUS			
				1:26.24 MAMPEI SEINO						

World Masters Top 10

LCM (50 M)

29:24.73	THOMAS CURRIE	AUS	1:47.42	FRANK PIEMME	USA	800 M. FREE	4:36.72	SEITA INAYOSHI	JPN		
29:55.96	TOM MAINE	USA	1:52.74	SUEO YAMAGUCHI	JPN	14:33.20	JURGEN SCHMIDT	USA	4:46.82	NORMAN GARSOE	USA
30:00.08	JORDAN WOLLE	USA	1:53.21	BILL WALKER	AUS	15:56.84	ROBERT BLAKE	USA	50 M. FLY		
50 M. BACK			1:57.44	ALLAN DUPTY	AUS	16:13.98	KEVIN VICKERY	AUS	41.36	MAX VAN GELDER	NED
40.58	HORACE KNOWLTON	USA	1:58.95	AARON KURTZMAN	USA	16:22.74	JAMES EDWARDS	USA	48.35	JURGEN SCHMIDT	USA
40.97	SHOICHI SHIDA	JPN	200 M. FLY			16:33.38	GIL YOUNG	USA	50.41	FRANK GRANNIS	USA
41.53	PETER VAN DIJK	USA	3:45.15	THOMAS MAINE	USA	16:44.71	ROBERT SIGERSMITH	USA	51.82	LUDWIG GEBURZI	GER
41.59	K.KLAUSTERMEYER	GER	3:50.50	JAN ZIEGLER	CZE	16:46.27	JACQUES AMYOT	CAN	52.21	SADAYUKI WAKAI	JPN
42.23	DALE WEBSTER	USA	3:50.95	LEN GOLDSTONE	USA	16:46.79	DOMINIK KOZA	GER	52.24	F.CONTRERAS	MEX
43.32	SHIRO MORI	JPN	3:57.78	KARL HAUTER	GER	17:13.11	KARL BAYERLEIN	GER	52.56	JACQUES AMYOT	CAN
43.32	ZAVEN BOGHOSSIAN	BRA	4:01.36	MINORU NAGASHIMA	JPN	17:31.13	PAUL LACASSAGNE	FRA	53.23	WERNER FRITZSCHE	GER
43.69	ROD BAKER	AUS	4:09.70	SILVANO DANIELI	ITA	1500 M. FREE			54.03	KAKUICHI YANAGAWA	JPN
44.26	JACK ANDERSON	GBR	4:34.26	ERICH DILFER	GER	28:25.41	JURGEN SCHMIDT	USA	54.92	HIRONARI UEDA	JPN
44.89	ALDACYR HILL	BRA	4:39.85	BILL WALKER	AUS	31:36.15	ROBERT BLAKE	USA	100 M. FLY		
100 M. BACK			5:42.65	SABURO MASUDA	JPN	31:41.30	JACQUES AMYOT	CAN	1:49.38	MAX VAN GELDER	NED
1:31.27	HORACE KNOWLTON	USA	5:44.44	ART KELLEY	USA	31:56.95	KARL BAYERLEIN	GER	2:00.12	FRANK GRANNIS	USA
1:35.93	PETER VAN DIJK	USA	200 M. I.M.			33:12.51	ROBERT SIGERSMITH	USA	2:12.65	KAKUICHI YANAGAWA	JPN
1:37.92	K.KLAUSTERMEYER	GER	3:29.28	KARL HAUTER	GER	33:24.71	TOM BRERETON	NZL	2:14.62	HIRONARI UEDA	JPN
1:39.36	JACK ANDERSON	GBR	3:32.94	HORACE KNOWLTON	USA	33:25.26	DOMINIK KOZA	GER	2:14.98	JACQUES AMYOT	CAN
1:39.72	DALE WEBSTER	USA	3:33.49	ROBERT MACDONALD	USA	33:55.26	ARTHUR KOBLISH	USA	2:20.92	ARTHUR KOBLISH	USA
1:40.36	F.YANAGISAWA	JPN	3:34.08	JAN ZIEGLER	CZE	34:53.97	A RAMIREZ-MILLER	USA	2:21.41	LEON WALKDEN	GBR
1:40.49	DAVID LAWLER	AUS	3:37.49	LEN GOLDSTONE	USA	35:04.34	WILLIAM DODGSON	GBR	2:23.28	DON LEADER	GBR
1:40.90	G.SHIMOMOTO	JPN	3:39.87	YUJI SUZUKI	JPN	50 M. BACK			2:29.31	TOM MC CALL	USA
1:42.49	SHOICHI NAKAGAWA	JPN	3:40.72	FRANK PIEMME	USA	38.78	KEIJIRO NAKAMURA	JPN	2:37.00	BOB DOUD	USA
1:42.60	ZAVEN BOGHOSSIAN	BRA	3:42.57	ESKO SALONEN	FIN	41.40	PAUL HUTINGER	USA	200 M. FLY		
200 M. BACK			3:48.23	THOMAS MAINE	USA	43.34	MAX VAN GELDER	NED	4:52.85	HIRONARI UEDA	JPN
3:26.06	HORACE KNOWLTON	USA	3:53.77	IRWIN STOLZ	USA	43.87	MASAKI INABA	JPN	4:53.14	FRANK GRANNIS	USA
3:30.35	JACK ANDERSON	GBR	400 M. I.M.			46.62	NILS KLING	SWE	4:54.00	DON LEADER	GBR
3:34.14	ROGER FRANKS	USA	7:24.48	KARL HAUTER	GER	46.76	KAIZO WATANABE	JPN	5:13.88	ARTHUR KOBLISH	USA
3:34.75	KARL HAUTER	GER	7:48.40	LEN GOLDSTONE	USA	46.83	B.HORVATH	HUN	5:29.40	DOMINIK KOZA	GER
3:40.32	G.SHIMOMOTO	JPN	7:48.44	THOMAS MAINE	USA	46.93	JURGEN SCHMIDT	USA	5:53.37	BOB DOUD	USA
3:40.81	FERENC LATIN	HUN	7:51.87	JAN ZIEGLER	CZE	47.36	ROGERS HOLMES	USA	6:14.97	ANTONIO FIGUEREDO	ESP
3:41.61	SHOICHI NAKAGAWA	JPN	8:07.33	FRANK PIEMME	USA	47.65	ANTON BIEDERMANN	BRA	7:27.87	JAY CHARLES	USA
3:43.84	F.YANAGISAWA	JPN	8:27.87	ALLAN DUPTY	AUS	100 M. BACK			8:49.04	VLADIMIR OUCHAKOF	USA
3:44.53	ZAVEN BOGHOSSIAN	BRA	8:32.52	YUJI SUZUKI	JPN	1:29.15	KEIJIRO NAKAMURA	JPN	9:37.58	T JOHNSON	USA
3:46.13	K.KLAUSTERMEYER	GER	9:40.02	BILL WALKER	AUS	1:35.42	PAUL HUTINGER	USA	200 M. I.M.		
50 M. BRST			9:41.17	H.MURAMATSU	JPN	1:41.02	MAX VAN GELDER	NED	3:44.19	MAX VAN GELDER	NED
42.03	HORST FRITSCH	GER	10:36.14	JOHN SLATER	ESP	1:48.10	NILS KLING	SWE	4:03.78	JACQUES AMYOT	CAN
42.33	GERHARD GIERA	GER	*****			1:48.23	ROGERS HOLMES	USA	4:05.62	EDWARD RUDLOFF	USA
42.36	CHARLES URSTADT	USA	M E N 80-84			1:49.61	ANTON BIEDERMANN	BRA	4:07.74	FRANK GRANNIS	USA
42.52	TOSHIO TAJIMA	JPN	*****			1:51.25	MASAKI INABA	JPN	4:13.19	ISAO FUNAMOTO	JPN
42.87	ROBERT MACDONALD	USA	*****			1:51.79	THOMAS SUMMERS	GBR	4:16.43	F.CONTRERAS	MEX
43.94	IWAO YAMAMOTO	JPN	50 M. FREE			1:51.84	B.HORVATH	HUN	4:20.49	DON LEADER	GBR
44.34	RYUJI HASHIMOTO	JPN	33.12	KEIJIRO NAKAMURA	JPN	1:51.96	KAIZO WATANABE	JPN	4:26.80	JURGEN SCHMIDT	USA
44.97	SHIRO MORI	JPN	34.23	MAX VAN GELDER	NED	200 M. BACK			4:36.94	JOHN DAVIS	GBR
45.24	WATARU ASAOKA	JPN	34.24	ROGER HALIMI	FRA	3:16.82	KEIJIRO NAKAMURA	JPN	4:38.58	ARTHUR KOBLISH	USA
45.27	MITSUO NISHIZAWA	JPN	34.36	SADAYUKI WAKAI	JPN	3:30.76	PAUL HUTINGER	USA	400 M. I.M.		
100 M. BRST			36.13	C.BRUNELLESCHI	ITA	4:00.01	NILS KLING	SWE	9:12.28	JACQUES AMYOT	CAN
1:35.55	ROBERT MACDONALD	USA	36.42	NILS KLING	SWE	4:00.49	JOHN DAVIS	GBR	9:25.58	DON LEADER	GBR
1:38.15	GERHARD GIERA	GER	36.76	MASAKI INABA	JPN	4:05.41	B.HORVATH	HUN	9:49.03	JOHN DAVIS	GBR
1:39.95	KARL HAUTER	GER	36.99	ROBERT BLAKE	USA	4:07.64	KAIZO WATANABE	JPN	9:50.35	HIRONARI UEDA	JPN
1:40.26	AL CRAIG	USA	37.17	FRANK GRANNIS	USA	4:07.91	ANTON BIEDERMANN	BRA	10:03.72	ARTHUR KOBLISH	USA
1:40.99	IWAO YAMAMOTO	JPN	37.79	ATTILIO CHIODO	ITA	4:13.95	JOHN TRUBY	USA	10:05.50	DOMINIK KOZA	GER
1:41.44	CHARLES URSTADT	USA	100 M. FREE			4:16.53	H.MIYAZAKI	JPN	10:28.92	TOM MC CALL	USA
1:41.49	TADASU MATSUOKA	JPN	1:21.86	MAX VAN GELDER	NED	4:22.97	KARL BAYERLEIN	GER	10:30.90	ROBERT BLAKE	USA
1:42.78	WERNER ASSMANN	GER	1:24.14	SADAYUKI WAKAI	JPN	50 M. BRST			10:52.97	ANTONIO FIGUEREDO	ESP
1:42.78	MITSUO NISHIZAWA	JPN	1:25.19	ROGER HALIMI	FRA	45.45	MAX VAN GELDER	NED	12:00.07	CASPAR HAUPT	CAN
1:42.80	SHIRO MORI	JPN	1:26.79	NILS KLING	SWE	46.09	BARTON GREENBERG	USA	*****		
200 M. BRST			1:27.70	JURGEN SCHMIDT	USA	47.05	SADAYUKI WAKAI	JPN	M E N 85-89		
3:32.60	ROBERT MACDONALD	USA	1:28.10	ROBERT BLAKE	USA	47.33	HERBERT BUNGEROTH	GER	*****		
3:36.41	KARL HAUTER	GER	1:28.17	MASAKI INABA	JPN	48.27	EDWARD RUDLOFF	USA	50 M. FREE		
3:43.39	ESKO SALONEN	FIN	1:29.17	HIDEAKI KATO	JPN	48.75	BRUNO HAMPEL	GER	37.21	ANDREW HOLDEN	USA
3:47.62	TADASU MATSUOKA	JPN	1:29.97	KEVIN VICKERY	AUS	50.16	LUDWIG GEBURZI	GER	37.67	SHOICHI SAKAMOTO	JPN
3:48.12	WERNER ASSMANN	GER	1:34.30	FRANK GRANNIS	USA	50.37	JOHN CORSE	USA	39.85	ISAMU TAMURA	JPN
3:53.86	JAN ZIEGLER	CZE	200 M. FREE			50.59	PAUL HUTINGER	USA	40.90	ARTHUR THOMAS	AUS
3:54.06	IWAO YAMAMOTO	JPN	3:22.59	JURGEN SCHMIDT	USA	51.16	ISAO FUNAMOTO	JPN	41.07	M.FUKUSHIMA	JPN
3:54.27	MITSUO NISHIZAWA	JPN	3:28.38	NILS KLING	SWE	100 M. BRST			41.29	WILLIAM JOHNSTON	USA
3:57.79	THOMAS MAINE	USA	3:28.86	HIDEAKI KATO	JPN	1:47.25	MAX VAN GELDER	NED	41.72	HIDEYA FUJII	JPN
3:58.16	IRWIN STOLZ	USA	3:28.94	ROBERT BLAKE	USA	1:47.82	SADAYUKI WAKAI	JPN	43.58	NILS FERM	SWE
50 M. FLY			3:29.93	KEVIN VICKERY	AUS	1:47.88	BARTON GREENBERG	USA	44.50	C EDWARD JOHNSON	USA
39.04	FRANK PIEMME	USA	3:30.07	FRANK GRANNIS	USA	1:50.87	HERBERT BUNGEROTH	GER	44.66	JOHN BRICE	AUS
39.13	SUEO YAMAGUCHI	JPN	3:39.79	GIL YOUNG	USA	1:52.73	ISAO FUNAMOTO	JPN	100 M. FREE		
40.44	DICK WEBBER	USA	3:42.29	JAMES EDWARDS	USA	1:53.47	EDWARD RUDLOFF	USA	1:36.17	ISAMU TAMURA	JPN
41.18	SILVANO DANIELI	ITA	3:42.43	SEITA INAYOSHI	JPN	1:56.07	JACQUES AMYOT	CAN	1:39.59	GORO KOBAYASHI	JPN
41.20	GERHARD GIERA	GER	3:43.49	JAMES DETAR	BRA	1:56.34	KOSAKU ASADA	JPN	1:40.53	ARTHUR THOMAS	AUS
41.31	HORST FRITSCH	GER	400 M. FREE			1:56.40	F.CONTRERAS	MEX	1:40.85	WILLIAM JOHNSTON	USA
41.39	SHIRO MORI	JPN	6:58.46	JURGEN SCHMIDT	USA	1:56.91	H.REITEMEYER	GER	1:42.94	HAROLD DODD	GBR
42.31	YASUICHI MATSUURA	JPN	7:17.03	KEVIN VICKERY	AUS	200 M. BRST			1:45.82	HIDEYA FUJII	JPN
42.45	TOSHIO TAJIMA	JPN	7:17.91	JAMES EDWARDS	USA	3:58.49	MAX VAN GELDER	NED	1:47.78	RYUJI FUJIKAWA	JPN
42.63	MINORU NAGASHIMA	JPN	7:20.49	ROBERT BLAKE	USA	4:09.13	ISAO FUNAMOTO	JPN	1:49.21	NILS FERM	SWE
100 M. FLY			7:50.67	DOMINIK KOZA	GER	4:13.41	JACQUES AMYOT	CAN	1:50.09	USHIO KAWAGUCHI	JPN
1:38.81	ROBERT MACDONALD	USA	7:56.57	GIL YOUNG	USA	4:14.37	HERBERT BUNGEROTH	GER	1:50.23	JOHN BRICE	AUS
1:42.47	THOMAS MAINE	USA	8:13.84	PAUL LACASSAGNE	FRA	4:16.79	F.CONTRERAS	MEX	200 M. FREE		
1:43.51	SILVANO DANIELI	ITA	8:14.00	JACQUES AMYOT	CAN	4:20.58	EDWARD RUDLOFF	USA	3:38.52	GORO KOBAYASHI	JPN
1:44.26	JAN ZIEGLER	CZE	8:15.66	ROBERT SIGERSMITH	USA	4:27.87	JOHN DAVIS	GBR	3:49.22	HAROLD DODD	GBR
1:44.38	MINORU NAGASHIMA	JPN	8:16.10	MINORU FUKUI	JPN	4:35.19	JOHN CORSE	USA			

World Masters Top 10

LCM (50 M)

3:50.76	DICK GUIDO	USA	2:03.77	FRED SCHULHOF	CAN	24:19.62	GENE CROSSETT	USA	DEBBIE YOUNGER	
3:51.45	ARTHUR THOMAS	AUS	2:08.16	WALTER MINNICH	GER	27:10.53	ROMAN JEZEK	CAN	SHARON JOHNSON	
4:12.33	NILS FERM	SWE	2:15.45	PAUL KRUP	USA	30:22.00	FRANK TILLOTSON	USA	SUSAN EDEY	
4:18.69	WILLIAM JOHNSTON	USA	2:18.17	HIROMU YOSHIMOTO	JPN	1500 M.	FREE		SIUBHAN DRINNAN	
4:19.47	JOHN BRICE	AUS	2:24.74	Y.MIYAMOTO	JPN	38:56.19	JOHN HARRISON	GBR	DYNAMITE HIPS	JPN 2:00.21
4:20.98	LUCIANO CANESSA	ITA	2:24.80	BUD JACKSON	USA	39:36.67	WALTER PFEIFFER	USA	NATSUKO YAMAUCHI	
4:21.96	RYUJI FUJIKAWA	JPN	2:28.47	ANDREW HOLDEN	USA	50 M.	BACK		RIE INAGUMA	
4:33.50	HUGH MCGREGOR	CAN	2:30.09	LENNART INGMO	SWE	56.80	KAZUNAGA AKUTSU	JPN	HINAKO ORI	
400 M.	FREE		2:40.42	ALDO CAPUTI	ITA	56.82	MASAHISA KANEKO	JPN	JUNKO KOCHI	
7:55.43	HAROLD DODD	GBR	2:45.78	TOM REES	AUS	1:00.20	HEINZ SIEGEL	GER	WANDSWORTH	GBR 2:03.05
8:12.53	DICK GUIDO	USA	200 M.	BRST		1:07.13	R.REINSTADTLER	GER		
8:22.23	ARTHUR THOMAS	AUS	4:46.26	FRED SCHULHOF	CAN	1:08.36	JIM TRIOLO	USA	OTTER	GBR 2:03.42
8:51.17	NILS FERM	SWE	5:03.81	BUD JACKSON	USA	1:15.72	DERRICK DAVEY	GBR		
9:00.68	LUCIANO CANESSA	ITA	5:26.27	LENNART INGMO	SWE	1:17.21	FUKIO KAMIYAMA	JPN	CLUB NAGI	ESP 2:04.63
9:34.50	BUD JACKSON	USA	5:57.32	ALDO CAPUTI	ITA	1:18.36	ROMAN JEZEK	CAN	SEGOVIA	
9:34.99	HUGH MCGREGOR	CAN	6:22.31	SHOJI MIZUTA	JPN	1:19.68	FRANK TILLOTSON	USA	NIETO	
9:36.50	JOHN BRICE	AUS	6:34.80	HARRY BARTLETT	USA	1:20.04	RYUZO KADONO	JPN	MANENT	
9:37.66	JOHN MERRILL	USA	6:40.21	WILLIAM JOHNSTON	USA	100 M.	BACK		ALONSO	
9:53.83	JOHNNY HUBERT	FRA	6:41.26	MASAHARU HAMANO	JPN	2:13.40	WOODY BOWERSOCK	USA	SWIM KENTUCKY	USA 2:05.22
800 M.	FREE		7:22.50	ANTOINE MAZOYER	FRA	2:20.37	JOHN HARRISON	USA	ALEXANDRA NIETO	
16:52.07	HAROLD DODD	GBR	50 M.	FLY		2:33.21	JIM TRIOLO	USA	KATIE O'BRIEN	
17:33.95	ARTHUR THOMAS	AUS	46.48	ANDREW HOLDEN	USA	2:44.97	R.REINSTADTLER	GER	LESLIE WEETER	
17:47.46	DICK GUIDO	USA	54.32	PAUL KRUP	USA	2:46.43	ARTHUR EVANS	AUS	SARAH BELTRAME	
18:49.49	NILS FERM	SWE	1:00.03	WILLIAM JOHNSTON	USA	2:51.47	RYUZO KADONO	JPN	ACAD. DA PRAIA	BRA 2:05.70
18:52.67	LUCIANO CANESSA	ITA	1:07.18	ALDO CAPUTI	ITA	2:54.84	ROMAN JEZEK	CAN		
19:21.24	BUD JACKSON	USA	1:21.55	JOHN HARRISON	GBR	3:03.35	FRANK TILLOTSON	USA	AMERICA F.C.	BRA 2:06.34
19:49.23	HUGH MCGREGOR	CAN	100 M.	FLY		3:39.89	BOYD CAMPBELL	USA		
20:54.83	LYNN SURLES	USA	2:02.53	ANDREW HOLDEN	USA	3:55.84	ALEX CLARKE	AUS	CIA ATHLETICA	BRA 2:07.18
21:36.39	TOM REES	AUS	2:34.17	WILLIAM JOHNSTON	USA	200 M.	BACK		ANA FERREIRA	
27:10.76	P. O'SULLIVAN	AUS	2:39.59	ALDO CAPUTI	ITA	4:42.14	JOHN HARRISON	GBR	FERNANDA PASTOR	
1500 M.	FREE		200 M.	FLY		5:14.58	R.REINSTADTLER	GER	ANDREA OLIVEIRA	
32:32.53	HAROLD DODD	GBR	4:47.63	ANDREW HOLDEN	USA	5:15.47	HEINZ SIEGEL	GER	SIMONE NAKANO	
33:50.22	NILS FERM	SWE	6:00.21	ALDO CAPUTI	ITA	5:20.35	JIM TRIOLO	USA		
35:29.61	ARTHUR THOMAS	AUS	6:56.71	WILLIAM JOHNSTON	USA	6:53.68	FRANK TILLOTSON	USA	AGE 120-159	
36:38.36	BUD JACKSON	USA	200 M.	I.M.		6:54.45	ROMAN JEZEK	CAN	GOLD RUSH	JPN 1:51.37
37:02.67	LUCIANO CANESSA	ITA	4:15.59	ANDREW HOLDEN	USA	10:24.57	F.STEIMBRUGGEN	ESP	MIHO OKUHARA	
37:09.82	HUGH MCGREGOR	CAN	5:21.22	WILLIAM JOHNSTON	USA	50 M.	BRST		YURIKO OZAWA	
37:26.28	JOHN BRICE	AUS	5:44.44	ALDO CAPUTI	ITA	1:08.25	HEINZ SIEGEL	GER	CHIHIRO SAITO	
41:32.05	TOM REES	AUS	400 M.	I.M.		1:10.10	DERRICK DAVEY	GBR	NAHOMI ERIGUCHI	
43:36.01	LYNN SURLES	USA	12:55.19	WILLIAM JOHNSTON	USA	1:11.35	ARTHUR EVANS	AUS	IM	USA 1:52.10
55:21.29	P. O'SULLIVAN	AUS				1:11.82	JIM PANTON	CAN	NADINE DAY	
50 M.	BACK					1:12.35	MASAHISA KANEKO	JPN	HEATHER LINGNER	
45.33	SHOICHI SAKAMOTO	JPN		M E N 90-94		1:16.74	ROMAN JEZEK	CAN	JENNIFER RIDGE	
47.40	GORO KOBAYASHI	JPN				1:36.35	R.REINSTADTLER	GER	ZSEJKE TUSA	
49.14	ANDREW HOLDEN	USA	50 M.	FREE		1:39.02	FRANCESC TATJER	ESP	OTTER	GBR 1:56.40
51.52	TOSHIJI SATO	JPN	41.65	WOODY BOWERSOCK	USA	2:13.75	FRANK TILLOTSON	USA		
52.94	ARTHUR THOMAS	AUS	43.03	TOKUSHI KOMEDA	JPN	5:11.33	RUBEN BERG	USA	NCMS	USA 1:57.79
53.74	M.FUKUSHIMA	JPN	48.19	KAZUNAGA AKUTSU	JPN	100 M.	BRST		HEATHER HAGEMAN	
54.51	FRED SCHULHOF	CAN	48.62	MASAHISA KANEKO	JPN	2:44.14	DERRICK DAVEY	GBR	CHRISTY HALL	
55.19	JOHN MERRILL	USA	49.17	HEINZ SIEGEL	GER	2:50.24	ROMAN JEZEK	CAN	STACI INSCORE	
56.58	SHOJI MIZUTA	JPN	50.41	MASAO UEDA	JPN	2:51.73	JIM PANTON	CAN	ERIKA BRAUN	
56.72	USHIO KAWAGUCHI	JPN	53.91	JEAN LEEMPUT	FRA	2:59.28	ARTHUR EVANS	AUS	AINOSENSHI	JPN 1:59.26
100 M.	BACK		53.96	R.REINSTADTLER	GER	3:48.16	R.BEON	CUB	YUKI WAKUI	
1:55.87	TOSHIJI SATO	JPN	55.68	JIM TRIOLO	USA	5:09.74	FRANK TILLOTSON	USA	MIKI TAKAYAMA	
2:01.26	ARTHUR THOMAS	AUS	1:01.39	JOHN HARRISON	GBR	200 M.	BRST		TOMIKO MATSUI	
2:03.69	NILS FERM	SWE	100 M.	FREE		5:57.46	MASAHISA KANEKO	JPN	CHIYOMI TANAKA	
2:04.33	JOHN MERRILL	USA	1:40.54	TOKUSHI KOMEDA	JPN	6:18.26	ROMAN JEZEK	CAN	GOIAS MASTERS	BRA 1:59.30
2:08.58	HUGH MCGREGOR	CAN	1:48.96	WOODY BOWERSOCK	USA	6:25.92	JIM PANTON	CAN	ALINE SOSTAG	
2:10.67	WALTER MINNICH	GER	1:56.10	HEINZ SIEGEL	GER	8:06.28	R.BEON	CUB	CARLA MELO	
2:11.94	RYUJI FUJIKAWA	JPN	2:07.43	JIM TRIOLO	USA	50 M.	FLY		ISABELE VIANNA	
2:12.78	USHIO KAWAGUCHI	JPN	2:09.36	KAZUNAGA AKUTSU	JPN	1:10.34	HEINZ SIEGEL	GER	ANA MELO	
2:13.02	DICK GUIDO	USA	2:09.92	JEAN LEEMPUT	FRA	1:11.57	TOKUSHI KOMEDA	JPN	ETOB	CAN 1:59.69
2:16.39	LUCIANO CANESSA	ITA	2:12.15	JOHN HARRISON	GBR	1:21.55	JOHN HARRISON	GBR	KATHY RENARD	
200 M.	BACK		2:24.57	DERRICK DAVEY	GBR	200 M.	I.M.		DAWN ORR	
4:23.81	TOSHIJI SATO	JPN	2:33.60	R.REINSTADTLER	GER	5:02.64	TOKUSHI KOMEDA	JPN	JOAN SHAW	
4:25.24	ARTHUR THOMAS	AUS	2:36.98	JIM PANTON	CAN				CINDY BERTELINK	
4:30.02	JOHN MERRILL	USA	200 M.	FREE					SV NEPTUN HERNE	GER 1:59.74
4:36.74	NILS FERM	SWE	3:54.89	TOKUSHI KOMEDA	JPN				PETRA DUDA	
4:40.22	HUGH MCGREGOR	CAN	4:35.42	WOODY BOWERSOCK	USA				ANDREA ROGALLA	
4:42.46	USHIO KAWAGUCHI	JPN	4:38.25	JIM TRIOLO	USA	50 M.	FREE		TANJA BLOCH	
4:58.14	DICK GUIDO	USA	4:44.26	JOHN HARRISON	GBR	1:59.14	HANS HAHN	GER	TANJA WEISSMULLER	
5:09.35	WILLI WINDEL	GER	5:02.19	HEINZ SIEGEL	GER	50 M.	BACK		AMA REPUBLIC	JPN 2:01.62
5:14.15	J.RECHTBERGER	AUT	5:16.28	GENE CROSSETT	USA	1:56.44	HANS HAHN	GER	SATOMI KADOKURA	
5:32.49	ALDO CAPUTI	ITA	5:50.62	JIM PANTON	CAN	100 M.	BACK		AKIKO KAWAGUCHI	
50 M.	BRST		6:07.02	R.BEON	CUB	4:12.55	HANS HAHN	GER	NORIKO KARAKAMA	
51.50	Y.MIYAMOTO	JPN	6:29.45	FRANK TILLOTSON	USA				YOKO YANAGISAWA	
53.14	WALTER MINNICH	GER	6:47.60	ROMAN JEZEK	CAN				ARIZ	USA 2:02.77
53.87	FRED SCHULHOF	CAN	400 M.	FREE					MARCIE HERZOG	
55.82	PAUL KRUP	USA	8:13.45	TOKUSHI KOMEDA	JPN				TERE DEBZEG	
55.85	HIROMU YOSHIMOTO	JPN	9:48.38	JOHN HARRISON	GBR				LOUISE KEOGH	
1:03.56	M.FUKUSHIMA	JPN	9:55.55	HEINZ SIEGEL	GER	RELAYS: WOMEN 200 M.	FREE		LAURA VON GLUCK	
1:03.56	SVERRE BRYNE	NOR	10:24.84	WOODY BOWERSOCK	USA					
1:04.10	GEORGE CORONES	AUS	13:35.25	ROMAN JEZEK	CAN				AGE 100-119	
1:04.67	LENNART INGMO	SWE	19:49.45	J.JACQUES STORZ	FRA	BARNET COPTHALL	GBR	1:57.03	AGE 160-199	
1:05.71	WILLIAM JOHNSTON	USA	800 M.	FREE					AZ&PC AMERSFOOR	NED 1:54.42
100 M.	BRST		20:09.22	JOHN HARRISON	GBR	EMSC	CAN	1:59.48	MARJA BLOEMZAAD	
									PETRA FROWIJN	

World Masters Top 10
LCM (50 M)

ATIE PIJTAK LIDIA VAN BON HADRIAN MASTERS GBR	2:00.36	MSV MUNCHEN GER	2:18.68	AIKO GOTO TAKAKO SATO YOSHIKO SATO ARIZ USA	2:58.39	ALEXANDRA NIETO LESLIE WETER SARAH BELTRAME KATIE O'BRIEN TCC\RECRA\COMPE BRA	2:23.91
VIC CAN	2:02.14	AURO CAN	2:19.50	SALLY BOLAR EDIE GRUENDER HELEN BAYLY NANCY KINNEY SUKOYAKA ST JPN	2:59.25	TATIANE ZACCARDO CLAUDIA PORCHAT D.VITTORAZZI THAIS SOUZA OTTER GBR	2:24.60
IM USA	2:02.70	CN MARSEILLE FRA	2:19.59	ISAKO WADA EIKO SATO TERUKO UEDA SC DUSSELDORF GER	3:00.01	AGE 120-159 GOLD RUSH JPN	2:05.47
SC DINSLAKEN GER	2:04.52	AGE 240-279 SG NEUKOLLN BER GER	2:20.32	BIRGIT OSSELMANN INGRID LANGE INGEBORG FRITZE U.MEYER-TONDORF SUKOYAKA ST JPN	3:00.88	NAHOMI ERIGUCHI MIHO OKUHARA CHIHIRO SAITO YUKIKO OZAWA SAKURA '89 JPN	2:09.64
DJK SPORTBUND R GER	2:05.54	VMST USA	2:21.40	TERUKO UEDA YOKO SATO ATSUKO TAKEUCHI EIKO SATO TOKYO SC JPN	3:02.18	JUNKO TORIKAI ASAKO NATSUME ERI JOMURA CHIKAKO OKUBO IM USA	2:10.12
SG WISTE GER	2:05.56	ISLAND TAKATSUK JPN	2:25.63	YASUKO YAMAGUCHI TSURUKO TAKAHASHI KOZUE TONOCHI TOSHICO WADA SC NAS MACHIDA JPN	3:05.82	ZSEJKE TUSA JENNIFER RIDGE ANDREA BLOCK HEATHER LINGNER OTTER GBR	2:11.98
GOLD USA	2:05.93	JUEI CLUB JPN	2:26.38	YOSHIKO KINOSHITA KATSUE NOMURA TOYOKO KOBAYASHI YOKO KOBAYASHI AGE 320-359 YOKOHAMA SUIEIK JPN	4:20.72	ANDREA BLOCK HEATHER LINGNER TOTNES GBR	2:13.38
EN TOURS FRA	2:06.72	OAHU KIOICHO JPN	2:26.55	MIDORI NAKAJIMA MASAKO MATSUNO CHIYOKO TAKIZAWA AKI UMINO OAHU KIOICHO JPN	4:31.87	GOIAS MASTERS BRA	2:13.98
NCMS USA	2:06.94	TECH CAN	2:30.59	SHINAKO WATANABE SUMIKO YANAGISAWA AKIKO ONOHARA KATSU EBATO TAKAIDO SC JPN	4:41.55	ALINE SOSTAG ANA MELO CARLA MELO ISABELE VIANNA EMSC CAN	2:14.82
AGE 200-239 PNA USA	2:11.30	HAKUYO S JPN	2:30.78	SHINA FURUKAWA YOSHIKO WADA TAMAKO KOMIYAMA MITSU IIMURA C.O.PM\MG BRA	6:13.72	DEBBIE YOUNGER JACQUI HUNT SIUBHAN DRINNAN GAIL MCGINNIS SV NEPTUN HERNE GER	2:15.62
SWIM NETWORK JPN	2:12.01	BRISBANE NORTH. AUS	2:32.23	LAURA OLIVEIRA ORDALIA GOMES OSCARINA SANTOS LUIZA SILVA ***** RELAYS: WOMEN 200 M. MEDLEY *****		UTE WELTER PETRA DUDA RENATE CHRIST TANJA WEISSMULLER AINOSENSHI JPN	2:16.03
ISF USA	2:12.29	SC OSC JPN	2:33.23	WANDSWORTH GBR	2:14.03	YUKI WAKUI TOMOKO WATANABE MIKI TAKAYAMA TOMIKO MATSUO ARIZ USA	2:18.21
GAJA USA	2:15.14	KSG SUIZU SS HO JPN	2:34.16	BARNET COPTHALL GBR	2:14.68	MARCIE HERZOG LOUISE KEOGH LAURA VON GLUCK TERE DEBREZ AGE 160-199 AZ&PC AMERSFOOR NED	2:12.63
HAKUYO S JPN	2:17.61	ISLAND TAKATSUK JPN	2:48.15	NCMS USA	2:18.28	LIDIA VAN BON F.HEIJDERMAN MARJA BLOEMZAAD ATIE PIJTAK HADRIAN MASTERS GBR	2:15.50
OAHU KIOICHO JPN	2:17.71	KEIKO KADOKURA MITSUKO HAYASHI CHIYOMI GEMBA BRISBANE NORTH. AUS	2:49.53	ERIKO BRAUN V SCHREINER STACI INSCORE CHRISTY HALL DYNAMITE HIPS JPN	2:18.76	SARAH MACDONALD DANIELLE BRAULT AVILA RHODES PAM BANSER NCMS USA	2:19.89
BRISBANE NORTH. AUS	2:18.04	KEIKO YAMADA HARUKO GODO TSURUYO TANAKA KIYOE KOYAMA SUNWAY YOKOHAMA JPN	2:52.68	WITH GLEE JPN	2:21.26	SUSAN WALSH MARGIE SPRINGER HEATHER HAGEMAN PATRICIA ROHNER WCM USA	2:19.89
		SHOKO YONEZAWA HIROKO OKU SHIGEKO TANAKA MASAE KURATA WIN FUKUSHIMA JPN	2:56.24	WAKAKO HIRAYAMA MIKI UOMORI AKIKO SUZUKI YUMI HIRANO LSD CAN	2:23.17	PATTY LANDERS LEIANN CRITTENDEN CAREN MCNAMARA SUZANN HEIM-BOWEN SC DINSLAKEN GER	2:20.07
		YOSHIKO ITO		JESSICA BLAKE KRISTA WOLFENDEN SYACEY CONNICK JULIE WOODROFF SWIM KENTUCKY USA	2:23.75	SYLIVIA WEBER PETRA SCHROER SIMONE DICKMANN INGRID TSCHERNY	

World Masters Top 10
LCM (50 M)

CFC FUTAMATAGAW JPN	2:20.65	YOSHIKO BAMBA	SUE JOHNS	SHIGERU HAYASHI
ASAKO SUZUKI		HISAKO SATO		MASAKATSU USAMI
HISAE NOJIMA		KEIKO FUJIMOTO	AGE 320-359	ACAD.DA PRAIA BRA
MACHIKO TAKEI		TECH CAN	OAHU KIOICHO JPN	1:44.29
HIDEKO HORI		PAT DAVIS	YOSHIKO WATANABE	C.R.FLAMENGO BRA
VMST USA	2:21.13	MARGARET BAKISH	SUMIKO YANAGISAWA	1:44.36
DEBBIE JAEGER		KATHY MILNE	AKIKO ONOHARA	FREDERICO PADILHA
LISA BENNETT		PAT NIBLETT	KATSUE EBATO	ALBERTO MOTTA
ANGELA HOWSMON		HAKUYO S JPN	YOKOHAMA SUIEIK JPN	CLAUDIO MOTTA
ALICE PHILLIPS		2:53.48	6:46.70	MARCIO MOTTA
GOLD USA	2:22.07	MITSUKO HAYASHI	MASAKO MATSUNO	SSKC ASCHAFFENB GER
DEBBIE CAVANAUGH		MASAKO NISHIDE	AKI UMINO	1:45.02
AMY DIEBLER		FUMIKO NAKAMURA	TOSHICO UEDA	THOMAS EHRHARDT
PEGGY MCDONNELL		KEIKO KADOKURA	MICHIKO TEJIMA	PAUL KONRAD
CELIA DEVANNEY		WARRINGAH AUS	*****	STEFAN GRASMANN
DJK SPORTBUND R GER	2:24.83	2:55.58	RELAYS: M E N 200 M. FREE	IGOR MISOVIC
SUSAN CALMUS		JENNIFER MCLEAN	*****	SC DINSLAKEN GER
MICHAELA MIES		SUZANNE LEVETT	AGE 100-119	1:45.64
ROSEMARIE CALMUS		MARILYN EARP	ACAD.DA PRAIA BRA	TIM SPIWOKS
INES WIEGAND		CLEONE ADDISON	1:40.21	UDO SPIWOKS
AGE 200-239		SSF BONN GER	1:40.22	T.BENNINGHOFF
NEM USA	2:20.58	MARGRET HANKE	WORCESTER GBR	FRANK IRMER
JOEL FELDMANN		MONIKA WARNUSZ	1:40.22	MINAS T.C. BRA
BARBARA HUMMEL		INGEBORG SEIDEL	NEPTUNE CLUB FRA	1:40.98
JACKI HIRSTY		BARBEL BINDER	GREGORIE LARTIGOT	AGE 160-199
LEIGH WIKI ROYDEN		SC DUSSELDORF GER	CYRILLE DEAU	NEM USA
MIMI SC JPN	2:27.19	2:58.22	TRISTAN WAGNER	1:40.89
MICHIKO KIHARA		INGRID LANGE	FRANCK LAVIEILLE	MICHAEL ROSS
TAEKO AOKI		USCHI BONGARTZ	C.R.FLAMENGO BRA	JEREMY GROSS
SAKAE NOMURA		GISELA GUNTHER	MARCIO MOTTA	STUART CROMARTY
SATOKO TERAOKA		BIRGIT OSSELMANN	ALBERTO MOTTA	STEVE MELTZ
SSF BONN GER	2:30.22	SC NAS MACHIDA JPN	GUSTAVO MELLO	IM USA
IRIS GATZEN		2:59.28	CLAUDIO MOTTA	1:44.48
ELKE SCHMITZ		HIROKO NOGUCHI	MC SHIZUOKA JPN	DAVE GIBSON
INGEBORG SEIDEL		YOKO KOBAYASHI	1:42.36	BOB YOUNG
MARGRET HANKE		KATSUE NOMURA	MASATSUGU SUZUKI	THOMAS MC CABE
GAJA USA	2:30.73	YOSHIKO KINOSHITA	T.MATSUHAMA	MATT KELLER
CAROL PAKCHAR		VMST USA	YOSUKE EZOE	GAJA USA
SKIPPY MATTSON		LUCILLE GRIFFIN	MASARU SUGIYAMA	1:44.52
F WILLIAMSON		JOHNNIE DETRICK	KONAMI AOBADAI JPN	BOB BUGG
CECE CARLTON		KITTEN BRAATEN	1:43.36	BRIAN PAKKALA
MSV MUNCHEN GER	2:31.40	BARBARA ZAREMSKI	EISUKE KAWABE	MIKE REID
CHRISTA REINHART		AGE 280-319	TOYOKAZU HOSHINO	CHRIS WEISSMAN
GERTI KARBE		ISLAND TAKATSUK JPN	HIROAKI KAGEI	EMSC CAN
ANJA RITTER		3:14.08	HIRAKI SATO	1:44.95
HARRIET BERGER		KEIKO FUJIMOTO	SAPPORO BUILD JPN	KEVIN GOLIGHTLY
NCMS USA	2:31.59	KAZUMI KUWATA	TAKAAKI HANADA	DIRK SMITH
ROBIN BATCHELOR		HISAKO SATO	T.MATSUSHITA	BARRY LEWIS
SALLY NEWELL		KIYOKO IKEUCHI	MASAYUKI OGURA	BARRY SARETSKY
BEVERLY AMICK		SUNWAY YOKOHAMA JPN	Y.TAKAHASHI	NCMS USA
PAT SARGEANT		3:15.13	CFST CAN	1:45.00
ISF USA	2:34.46	SHIGEKO TANAKA	JONATHAN HOWARD	JON BLANK
KARLEN TREBESINER		MASAE KURATA	MARTIN LAUNIERE	JONATHAN KLEIN
C GETTELFINGER		SHOJO YONEZAWA	GARTH SINDRAY	TODD DIMSDALE
ANN SCHNIEDERS		HIROKO OKU	JIM KELLY	FRITZ LEHMAN
SUSAN MEYERS		ARIZ USA	PERNAMBUCO MAST BRA	CIA ATHLETICA BRA
CN MARSEILLE FRA	2:34.87	3:15.39	1:44.20	1:46.49
ODILE GARCIN		EDIE GRUENDER	JOEL MESQUITA	VITOR CORDEIRO
MARIE ABIHSSIRA		NANCY KINNEY	ROMULO JORDAO	HELIO CELIDONIO
SOPHIE RAMOGER		CAROL TAYLOR	BRUNO SILVA	RICARDO PADILHA
CATHERINE VERANE		SALLY BOLAR	FABIO MELO	ROBERTO SILVA
AURO CAN	2:36.04	SC DUSSELDORF GER	WELLNESS SPORTS JPN	MURASAKI SPORTS JPN
SUSAN ALLEN		3:16.97	1:44.76	YOSHIHIRO KISHI
WENDY CIMARNO		INGRID LANGE	TOMOHIRO NAKANO	MAKIO ENDO
JUDY IANNUCI		HEIDI GUHL	YUKI NAKANO	MASAHIRO OKOSHI
WENDY DUCK		U.MEYER-TONDORF	YOSHIKAZU KATAOKA	M.KATAKEYAMA
SUNPLAZA JPN	2:36.06	WIN FUKUSHIMA JPN	KEISUKE KUGA	FACT USA
TAKAKO NAKAHARA		3:18.39	AGE 120-159	1:47.27
TOYOMI EBIHARA		AIKO GOTO	NCMS USA	MARK DRENNEN
SATOMI SANO		YOKO SAKUMA	JEFF MURRAY	MARK CALVERT
KOTOE MATSUMOTO		YOSHIKO ITO	HENRY STEWART	BRIAN STARFORD
AGE 240-279		YOSHIKO SATO	ANDREW FARRELL	THOMAS BLISS
SG NEUKOLLN GER	2:39.52	OAHU KIOICHO JPN	RAZVAN PETCU	SV FRIEDRICHSHA GER
MARGA SCHULZE		3:20.30	WITH H JPN	1:47.33
MONIKA SENFTLEBEN		KEIKO YAMADA	SHINGO SEKIGUCHI	THILO ALBRECHT
BRIGITTE MERTEN		NORIKO YATSUNAMI	NORIYUKI KAGAMI	ROBERT BERGER
RUTH STUBERT		NOBUE MUTO	HIROYUKI NAKAMURA	MANFRED KODER
VMST USA	2:40.96	KIYOE KOYAMA	NORIHISA KAJITANI	HARTMUT BERNER
BETSY DURRANT		SPENCER GBR	KONAMI HAMAMATS JPN	NOVA USA
JOANN LELICH		3:22.44	1:43.16	1:47.55
TERRY SUE M GAULT		LYNGBY F-DAMER DEN	K.MATSUURA	TIM SHUMATE
BETH SCHREINER		3:24.96	SHOJI NAKANISHI	PAUL CARTER
ISLAND TAKATSUK JPN	2:51.83	E.KETELSEN	M.SAKAKIBARA	JASON DUNHAM
KAZUE OZAKI		LIS KNUTZEN	TORU ONODA	WILIAM WHERRITT
		VIVIANNE KOFOD	C N SABADELL ESP	AGE 200-239
		GRETHE BENDTSEN	CASSA	FACT USA
		S CONNECTION JPN	DIEZ	1:50.08
		3:26.79	BARDI	DAVID HEFNER
		HISAKO KOBAYASHI	ROYO	TIMOTHY CARROLL
		KIKUKO NAGASAWA	AMA REPUBLIC JPN	ROBERT NAGLE
		YOSHIE YUZAWA	1:43.48	CARL HAWKINS
		MOTOKO ARAKAWA	KATSUHIRO YAZAWA	SOSHIGAYA JPN
		MANLY MASTERS AUS	KAZUO DOMEKI	1:51.63
		3:47.43		TAKASHI SUZUKI
		FAYE SEENEY		HIROOKI AOKI
		BARBARA VICKERS		Y.NISHIHARA
		LIZ WALLIS		HIROYUKI AMAZAKI
				NCMS USA
				1:52.38

World Masters Top 10
LCM (50 M)

HILL CARROW GEORGE COXHEAD DONALD GILCHRIST ROBERT SCHMITZ FLUMINENSE F.C. BRA	1:52.39	JUEI CLUB JPN	2:12.38	***** AGE 100-119 WORCESTER GBR	1:51.50	KEIICHI KIYOTA ACAD.DA PRAIA BRA	1:57.06
HEART OF ENGLAN GBR	1:53.20	SV POSEIDON HAM GER	2:18.15	GOLD RUSH JPN	1:52.81	AGE 160-199 NEM USA	1:54.30
T.C.CAMPINAS BRA	1:53.59	HEINZ WITTIG JOCHEN COELIUS GUNTER LIEDTKE WOLFRAM GOTTFRIED WCM USA	2:20.72	KENTARO NAKAMURA HAJIME MIZUMA KOICHI MASUDA TATSUAKI SHIRATA ACAD.DA PRAIA BRA	1:53.38	MICHAEL ROSS DANIEL ROGACKI JEREMY GROSS STUART CROMARTY NCMS USA	1:55.03
HAKUYO S JPN	1:53.64	WILLIAM JOHNSTON A EMORY HAWORTH ROBERT MAYO JAMES DE LACY FLUMINENSE F.C. BRA	2:21.05	C.R.FLAMENGO BRA	1:53.62	FRITZ LEHMAN TODD DIMSDALE HENRY STEWART JONATHAN KLEIN NOVA USA	1:56.84
NEM USA	1:53.88	SAUL BIRMAN ARAN BOGHOSSIAN ZAVEN BOFHOSSIAN ANTONIO SOUZA KSG SUIZU SS HO JPN	2:23.24	NEPTUNE CLUB FRA	1:55.08	TORD BENNER G VON HOFFMANN FRANK WASKO JIM PHALAN GAJA USA	1:57.11
CN MARSEILLE FRA	1:54.68	AKIO IGAKI KOJI SASAHARA SHOJI IKEDA H.YASUNARI SG REMSCHEID GER	2:23.55	TRISTAN WAGNER FRANCK LAVIEILLE GREGORIE LARTIGOT CYRILLE DEAU C.R.ICARAI BRA	1:55.73	BOB BUGG CHRIS WEISSMAN MIKE REID JOHN FIELDS SAAR MAX RITTER GER	1:57.76
SOUTHPORT GBR	1:55.28	ERICH DILFER EMIL PLESNIK MANFRED BICKEL RUDI VAN ESS SSV LEUTZSCH GER	2:23.71	MARCIO MOTTA CLAUDIO MOTTA ALBERTO MOTTA WELLNESS SPORTS JPN	1:56.58	THOMAS MAYER HAKUYO S JPN	1:58.65
AGE 240-279 C.R.ICARAI BRA	1:57.40	WOLFGANG SIEBER SIEGFRIED KOHLER GOTTFRIED KLARING WALTER LEX WF FULDA 1923 GER	2:25.19	GUSTAVO MELLO MARCIO MOTTA CLAUDIO MOTTA ALBERTO MOTTA WELLNESS SPORTS JPN	1:56.58	MOTOMU SUZUKI MAKOTO SENDA KOJI HASHIMOTO KOICHI MATSUMOTO FRIEDRICHSHAFEN GER	2:00.18
GOLD USA	1:57.84	ERNST SUNDERMANN HANS SCHLOTT HORST RIEDEL HORST EXNER TACHIKAWASHI SU JPN	2:26.04	ROMULO JORDAO CFST CAN	1:59.28	MANFRED KODER ROBERT BERGER HARTMUT BERNER THILO ALBRECHT MURASAKI SPORTS JPN	2:00.28
SV POSEIDON HAM GER	1:59.01	JUNJI MONJAKU TSUTOMU MIYAUCHI SUEO YAMAGUCHI YUSUKE SAYAMA AGE 320-359 JUEI CLUB JPN	2:25.12	MARTIN LAUNIERS YANNICK ROBERT JIM KELLY JONATHAN HOWARD BE SPORTS 25 KU JPN	1:59.30	FRANK WEBER THOMAS MAYER HAKUYO S JPN	1:58.65
MSV MUNCHEN GER	1:59.28	TSUTOMU MIYAUCHI SUEO YAMAGUCHI YUSUKE SAYAMA AGE 320-359 JUEI CLUB JPN	2:25.12	FERNANDO JUNIOR ROMULO JORDAO CFST CAN	1:59.28	MOTOMU SUZUKI MAKOTO SENDA KOJI HASHIMOTO KOICHI MATSUMOTO FRIEDRICHSHAFEN GER	2:00.18
HAKUYO S JPN	1:59.56	SHOICHI SHIDA KEIJIRO NAKAMURA KATSUZO SHIRAYAMA ISAMU TAMURA FACT USA	2:48.58	MARTIN LAUNIERS YANNICK ROBERT JIM KELLY JONATHAN HOWARD BE SPORTS 25 KU JPN	1:59.30	MANFRED KODER ROBERT BERGER HARTMUT BERNER THILO ALBRECHT MURASAKI SPORTS JPN	2:00.28
SV SCHWABISCH GER	2:00.52	JOHN CORSE ROBERT SIGERSMITH ROGERS HOLMES EDWIN GRAVES TWIN TOWNS AUS	3:13.98	KAZUHIRO NAKAMURA J.NAKAMURA KENJI WATANABE MASAYUKI OKUMURA AGE 120-159 WITH H JPN	1:51.46	FRANK WASKO JIM PHALAN GAJA USA	1:57.11
OAHU KIOICHO JPN	2:03.85	GEORGE CORONES JOHN SCARR DOUG CAMPBELL JOHN ASHLEY VCSS CAN	3:30.30	ROMULO JORDAO CFST CAN	1:59.28	BOB BUGG CHRIS WEISSMAN MIKE REID JOHN FIELDS SAAR MAX RITTER GER	1:57.76
HEART OF ENGLAN GBR	2:05.08	HUGH MCGREGOR JAMES WARD JIM PANTON GRANT HALL SPM USA	3:41.23	MARTIN LAUNIERS YANNICK ROBERT JIM KELLY JONATHAN HOWARD BE SPORTS 25 KU JPN	1:59.30	THOMAS MAYER HAKUYO S JPN	1:58.65
NS1 NZL	2:05.72	FRANK TILLOTSON ROBERT MACDONALD ROBERT BLAKE AARON KURTZMAN AGE 360-399 NCMS USA	8:55.76	MURASAKI SPORTS JPN	2:00.28	MOTOMU SUZUKI MAKOTO SENDA KOJI HASHIMOTO KOICHI MATSUMOTO FRIEDRICHSHAFEN GER	2:00.18
MSBC CAN	2:07.15	BOYD CAMPBELL MARTIN RUTTER HAROLD HOFFMAN JAMES SCHERBARTH ***** RELAYS: M E N 200 M. MEDLEY		SHINGO SEKIGUCHI TETSU IWAKI HIROYUKI NAKAMURA NORIHISA KAJITANI NCMS USA	1:54.12	FRANK WASKO JIM PHALAN GAJA USA	1:57.11
AGE 280-319 NCMS USA	2:09.77			ERIK CRANKSHAW PETER ZSOLDOS RAZVAN PETCU ANDREW FARRELL MINAS T.C. BRA	1:54.23	BOB BUGG CHRIS WEISSMAN MIKE REID JOHN FIELDS SAAR MAX RITTER GER	1:57.76
				C N CATALUNYA ESP	1:55.39	THOMAS MAYER HAKUYO S JPN	1:58.65
				GALLASTEGUI CASALOTS SERRA AMOROS C N SABADELL ESP	1:55.41	MOTOMU SUZUKI MAKOTO SENDA KOJI HASHIMOTO KOICHI MATSUMOTO FRIEDRICHSHAFEN GER	2:00.18
				BARDI ROYO DIEZ CASSA I.C.BRASILIA BRA	1:55.65	FRANK WASKO JIM PHALAN GAJA USA	1:57.11
				FERNANDO COSTA ALEX PEDRA MARCELO LIMA MARCOS BISSIOTTO KONAMI HAMAMATS JPN	1:56.51	BOB BUGG CHRIS WEISSMAN MIKE REID JOHN FIELDS SAAR MAX RITTER GER	1:57.76
				M.SAKAKIBARA MASASHI IKENO K.MATSUURA SHOJI NAKANISHI TSV 1850 LINDAU GER	1:56.70	THOMAS MAYER HAKUYO S JPN	1:58.65
				GREGOR SPENGLER MIRKO BANDLOW MICHAEL JESCHKE REINHOLD POHL TEAM DASH JPN	1:56.88	MOTOMU SUZUKI MAKOTO SENDA KOJI HASHIMOTO KOICHI MATSUMOTO FRIEDRICHSHAFEN GER	2:00.18
				T.WATANABE TAKASHI HIRAKAWA SHOGO HIBARA		FRANK WASKO JIM PHALAN GAJA USA	1:57.11
						BOB BUGG CHRIS WEISSMAN MIKE REID JOHN FIELDS SAAR MAX RITTER GER	1:57.76
						THOMAS MAYER HAKUYO S JPN	1:58.65
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						BOB BUGG CHRIS WEISSMAN MIKE REID JOHN FIELDS SAAR MAX RITTER GER	1:57.76
						THOMAS MAYER HAKUYO S JPN	1:58.65
						MOTOMU SUZUKI MAKOTO SENDA KOJI HASHIMOTO KOICHI MATSUMOTO FRIEDRICHSHAFEN GER	2:00.18
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						THOMAS MAYER HAKUYO S JPN	

World Masters Top 10
LCM (50 M)

CAROL FELLOWS DUNCAN MCCREADIE GOLD USA 2:06.96 PEGGY MCDONNELL ALAN RAPPERPORT ANNE LABORWIT DAVID MCINTYRE SOIK HELLAS SWE 2:08.23 OLLE BUREBO MARGIT OHLSSON HARRIET BURE BENGT FURBERG BUDAPEST SENIOR HUN 2:08.98 MIKLOS KOVATS EVA ANGYALFOELDI MARIA BALLA LASZLO CSABA O'H* USA 2:10.83 JACK GROSELLE NANCY WAITE MELINDA SMITH YOSHI OYAKAWA SOUTHPORT GBR 2:12.74 WITCHMONSTERS JPN 2:13.00 HIDEO TANAKA KAYOKO KOGUCHI MINEKO NAKAI MITSUYA KANESAKA OAHU KIOICHO JPN 2:14.14 MASATERU ISA MASAYASU KAMIYA HIROKO KAYAMORI KEIKO OMAGARI SG NEUKOLLN GER 2:15.26 REINHARD ROSADA MONIKA SENFTLEBEN MARGA SCHULZE HEINZ DEKARA AGE 280-319 JUEI CLUB JPN 2:18.24 SHOSHIN MORI KEIJIRO NAKAMURA MIYOKO IMURA YURIKO NAGAMATSU SOIK HELLAS SWE 2:21.52 MATTHIAS KRONER KERSTIN GJORES BRITT GRILLI PETER BERGENGREN OAHU KIOICHO JPN 2:29.11 MASARU IGARASHI YASUO KANAI NOBUE MUTO KIYOE KOYAMA FMM USA 2:36.36 JAMES BROWNE MARGARET HOMANS ROBERT BLAKE JEAN TROY THE ONTARIO MAS CAN 2:36.38 MARTIN STUART CHRISTOPHER SMITH JUDIE OLIVER PATRICIA NIBLETT WCM USA 2:37.43 WILLIAM JOHNSTON JOAN ALEXANDER ROBERT MAYO MARTHA ALEXANDER BUDAPEST SENIOR HUN 2:38.49 FERENC LATIN ILONA KASZONYI REKA UZDI ANDRAS GERMAN NCMS USA 2:39.69 SANDRA KREMER ALICE JONES JOHN KORTHEUER DICK WEBBER	DREAM SC JPN 2:39.77 SHIRO KOJIMA FUSAKO KATO MUTSUKO KURUSHIMA TATSUO ASAI O'H*I*O MASTERS USA 2:40.44 NANCY WAITE LILLY KRON SID HALL YOSHI OYAKAWA AGE 320-359 SOIK HELLAS SWE 2:52.02 MARIANNE GRANE NILS FERM EVA-BRITT WIDAHL NILS KLING SBM USA 2:55.56 FRANK PIEMME GRACE ALTUS RUTH BAAR JURGEN SCHMIDT NEM USA 2:57.49 JAMES EDWARDS BILLIE AN BURRILL PETEY H SMITH F TED HAARTZ SUNWAY YOKOHAMA JPN 2:58.96 SHOGORO AZUMA MASAE KURATA YOKO SUGIYAMA MINORU NAGASHIMA RIO MASTER B BRA 3:03.80 LUZIA CARACCILO NORA RONAI ARAM BOGHOSSIAN ZAVEN BOGHOSSIAN YOKOHAMA SULEIK JPN 3:31.07 TOSHIKO AMANO AKIRA MATSUNO CHIYOKO TAKIZAWA HISAO NAKAI WCM USA 3:31.69 BILL JOHNSTON RICHARD SMITH JAE HOWELL SALLY MORNER SUNSHINE COAST AUS 3:42.83 AILSA DUNCAN NORMA RUDOLPH ARTHUR EVANS GEORGE STEWART TWIN TOWNS AUS 3:48.12 ARTHUR THOMAS GEORGE CORONES VAL SMITH JO HEATH SOIK HELLAS SWE 3:55.39 B.HJALMARSSON BJORN WENNBERG LENNART INGMO EVA TORNGREN ***** RELAYS: MIXED 200 M. MEDLEY ***** AGE 100-119 GOLD RUSH JPN 1:56.72 KENTARO NAKAMURA YOSHIHISA SUDO MIHO OKUHARA YUKIKO OZAWA CLUB EMIL FRIED VEN 1:58.28 M.RIVERA J.CAMERA C.FERNANDEZ RAFAEL MANZANO SCHWIMM-CLUB DI GER 2:01.89 ROLF SPIWOKS TIM SPIWOKS SIMONE DICKMANN SIMONE KORTHAUER ASA MASTER CINI ITA 2:02.63 CLAUDIA MARIANI SIMONE BATTISTON ANGELO PELLEGGATTA	ELENA BROCCCHI ESV FRANKFURT/O GER 2:03.33 DANA FEHLAND ENRICO SIX STEPHAN ARNDT ANKE SEEGER ACAD.DA PRAIA BRA 2:03.40 POSEIDON ASCHAF GER 2:03.79 IGOR MISOVIC INA KWIEZINSKI THOMAS EHRHARDT STEFFI KONRAD TSV 1850 LINDAU GER 2:05.46 MARC AIGNER MIRKO BANDLOW SANDRA ALBRECHT KATRIN LOHMEYER C.R.FLAMENGO BRA 2:05.69 SC DINSLAKEN GER 2:05.85 TIM SPIWOKS UDO SPIWOKS SIMONE DICKMANN SIMONE KORTHAUER AGE 120-159 ZURICH SUI 1:54.08 PCWKS A RUS 1:57.53 OXANA BRONITSKAIA DMITRIY RUBTSOV EKATERINA YUDINA KONSTANTIN DYLDIN GOLD RUSH A JPN 1:58.58 KENTARO NAKAMURA TOMOMI MIYAZONO YOSHIHISA SUDO NAHOMI ERIGUCHI AINOSENSHI JPN 2:00.20 YUKI WAKUI NARIHITO WAKUI MIKI TAKAYAMA TOMOHIRO ONO RN SARONNO A ITA 2:00.61 FEDERICO FREGO FABIO CAVALLI STEFANIA MASIA A.CASSANI WANDSWORTH A GBR 2:01.29 ELEONOR THOMSON MARTIN JURCO GUY DAVIS C.GAMBLE STADE FRANCAIS FRA 2:01.47 NICOLAS DUBREUIL CAROLE CUCUMEL DAMIEN CUCUMEL A.DUBREUIL WITH H JPN 2:01.84 SHINGO SEKIGUCHI NORIYUKI KAGAMI NORIKO OSUGI TOMOKO OGAWA ASV WUPPERTAL A GER 2:01.87 JOCHEN BRUHA MATTHIAS MILLERS DANIELA RUDOLPH KAJA-WINKE PISTEL SKK SWE 2:02.58 CAMILLA PETERSSON PER NORLIN LARIN LARKA MATS NORLIN AGE 160-199 POLISPORTIVA NA ITA 1:56.86 PAOLO FELOTTI S.SEMINATORE ROBERTO TARRICONE MARIA ALWINE EDER OLYMPIC CLUB B USA 2:00.53 JOAN SCHRIGER STUART CORLISS LAUREEN WELTING MATTHEW MCKAY	PERU MASTER SWI PER 2:00.59 F.RODRIGUEZ JORGE ARIAS SANDRA CROUSSE ROSARIO VIVANCO IM USA 2:00.80 DAVE GIBSON NADINE DAY JENNIFER RIDGE THOMAS MC CABE GAJA USA 2:01.59 TIFFANY TAULBEE CHRIS WEISSMAN BOB BUGG BETH MC GEE BUDAPEST SENIOR HUN 2:01.60 CSILLA CSIKANY GABOR CSABA MELINDA MAROSI ZOLTAN HORVATH NOTTINGHAM LEAN GBR 2:02.91 MIKE BRETT MAGGIE HOHMANN KEVIN HARRISON JOANNE BULLOCK SAO PAULO MASTR BRA 2:03.37 FLAVIA PRADA NEWTON KAMINSKI RICARDO SANTOS MONICA FRANCO AQUATIC FORUM A ITA 2:03.77 STEFANIA CORVO MARCO STENTELLA MICHELA DELL OTTI A.LAVEGLIA SODERTALJE SS SWE 2:04.25 VEIKKO MATTOLA RONNY OLTNER SOFI NYGREN SUSAN SUTCLIFFE AGE 200-239 NEM USA 2:08.64 JOEL FELDMANN DANIEL ROGACKI STUART CROMARTY JACKI HIRSTY SG NEUKOLLN BER GER 2:12.88 ROBERT STUEBERT MONIKA SENFTLEBEN BRIGITTE MERTEN KLAUS MERTEN BUDAPEST SENIOR HUN 2:12.89 JUDIT BARANYI PETER BALASY LASZLO CSABA HAJNALKA CZIFRIK WCM USA 2:13.89 D SCHULTZ-SANTOS LEIANN CRITTENDEN JAMES DE LACY KEN BURR HEART OF ENGLAN GBR 2:14.37 GAJA USA 2:15.95 CAROL PAKCHAR ROBERT BROWN JOHN FIELDS F WILLIAMSON SOIK HELLAS SWE 2:16.94 MARGIT OHLSSON G.CHRISTIANSEN INGVAR ERIKSSON SONJA HAGLUND ROCHDALE GBR 2:17.82 MSV MUNCHEN GER 2:18.16 GERLINDE MAUTE HERBERT GRUBER ANJA RITTER PETER FRENZEL VIC CAN 2:19.33 R.ZAJCHOWSKI AVILA RHODES LINDA OWEN ROD CARMICHAEL
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World Masters Top 10
LCM (50 M)

AGE 240-279			I. KEUSCH-RENNER		
HEART OF ENGLAN	GBR	2:17.78	HELMUT HUNOLD		
BOB. LORD			AUGUST DEMUHS		
ELAINE BROMWICH			OAHU KIOICHO	JPN	2:59.18
JUDY WILSON			MAMPEI SEINO		
JOHN TENNANT			YASUKO TSUCHIYA		
BUDAPEST SENIOR	HUN	2:18.34	MASAYASU KAMIYA		
MARIA BALLA			NORIKO YATSUMAMI		
BELA FABIAN			GOLD	USA	3:00.77
JOZSEF CSIKANY			DAVID MCINTYRE		
MAGDOLNA PATOH			DEBBIE CAVANAUGH		
SOIK HELLAS	SWE	2:22.82	JUNE KRAUSER		
MARGIT OHLSSON			NED SMITH		
OLLE BUREBO			BUDAPEST SENIOR	HUN	3:02.57
HARRIET BURE			ILONA KASZONYI		
BENGT FURBERG			FERENC LATIN		
MSV MUNCHEN	GER	2:22.88	ANDRAS GERMAN		
FRANK HESBACHER			REKA UZDI		
LUISE KNOEPFLE			AGE 320-359		
HARRIET BERGER			SUNWAY YOKOHAMA	JPN	3:18.52
ROLF GITTER			SHOGORO AZUMA		
SAO PAULO	BRA	2:26.34	Y. MIYAMOTO		
SILVANA ABREU			SHOKO YONEZAWA		
CYNTHIA ANDRADE			MASAE KURATA		
PAULO MOTTA			SOIK HELLAS	SWE	3:38.19
JOSE FERRAZ			NILS FERM		
SPENCER SWIM TE	GBR	2:26.85	BARBRO THORNELOF		
A. CHERRINGTON			NILS KLING		
DIANE FORD			EVA-BRITT WIDAHL		
DUNCAN MCCREADIE			TWIN TOWNS	AUS	3:40.14
CAROL FELLOWS			ALISON WORRAL		
OAHU KIOICHO	JPN	2:27.11	TRICIA LIDDY		
KEIKO OMAGARI			GEORGE CORONES		
TERUO IWATA			ARTHUR THOMAS		
MASARU IGARASHI			SBM	USA	3:43.53
KEIKO YAMADA			RUTH BAAR		
SG NEUKOLLN	GER	2:34.32	FRANK PIEMME		
PETRA HEWELCKE			JURGEN SCHMIDT		
MONIKA SENFTLEBEN			GRACE ALTUS		
HELMUT BEER			RIO MASTER A	BRA	3:49.89
HARALD BESTIAN			LUZIA CARACCIOLO		
ISF	USA	2:34.89	ZAVEN BOGHOSSIAN		
MARTY MENNEN			ARAM BOGHOSSIAN		
C GETTELFINGER			NORA RONAI		
MEL GOLDSTEIN			FACT	USA	3:57.38
SUSAN MEYERS			MARJORIE NEWMAN		
MOST	USA	2:35.47	ROGERS HOLMES		
JAN MILLER			SYLVIA EISELE		
CHUCK BALDWIN			EDWIN GRAVES		
SUSAN INGRAHAM			NORTH LODGE	AUS	4:26.00
GRAHAM JOHNSTON			TRUDY BULLIVANT		
AGE 280-319			SID KRASEY		
JUEI CLUB	JPN	2:39.84	BARBARA BROOKS		
KEIJIRO NAKAMURA			TOM REES		
TERUKO NISHISAKO			SUNSHINE COAST	AUS	4:28.16
SHOSHIN MORI			AUSTIN BAPTIST		
YURIKO NAGAMATSU			ARTHUR EVANS		
SOIK HELLAS	SWE	2:41.12	AILSA DUNCAN		
KERSTIN GJORES			NORMA RUDOLPH		
MATTHIAS KRONER			SOIK HELLAS	SWE	4:34.73
PETER BERGENGREN			EVA TORNGREN		
BRITT GRILLI			LENNART INGMO		
SUNWAY YOKOHAMA	JPN	2:42.39	B. HJALMARSSON		
SHOKO YONEZAWA			BJORN WENNBERG		
TETSU NAKAMARU			ADELAIDE MASTER	AUS	5:01.40
T. WATANABE			ALMA BRECKNOCK		
MASAE KURATA			JONATHAN DAVIES		
HEART OF ENGLAN	GBR	2:52.55	MARY KEMP		
JOHN DAVIS			DONALD REDPATH		
CHRISTINE PERFECT					
SEYMOUR BANNING					
ELISABETH GREEN					
O*H*I*O MASTERS	USA	2:55.36			
YOSHI OYAKAWA					
LILLY KRON					
SID HALL					
NANCY WAITE					
NCMS	USA	2:55.79			
SALLY NEWELL					
JOHN KORTHEUER					
DICK WEBBER					
SANDRA KREMER					
SV BLAU-WEISS B	GER	2:58.82			
WALTRAUD MONSTADT					