

World Masters Top 10

LCM (50 M)

WOMEN 25-29									

50 M. FREE	1:08.94	JENNY MOONEY	USA	2:35.96	GIORGIA SALA	ITA	10:15.21	DALIAH KIEFER	GER
26.96 MONICA BENVENUTI	1:09.02	ANNE KUHN	GER	2:36.47	WIBKE STURM	GER	1500 M. FREE		
27.04 MIHO OKUHARA	1:09.56	M.MARTIN-QUEVIL	CAN	2:37.97	JENNY MOONEY	USA	18:20.97	NADINE DAY	USA
27.89 NAHOMI ERIGUCHI	1:09.84	NAHOMI ERIGUCHI	JPN	200 M. I.M.			18:38.42	JACQUI ROBINSON	AUS
28.02 SANDRINE PAQUIER	1:10.06	DAWN PALMER	GBR	2:19.65	MARGOT JANDEL	GER	18:50.80	BARBARA GRILLO	ITA
28.19 AKIKO SUZUKI	1:10.23	KUNI MORI	JPN	2:24.51	HITOMI MAEHARA	JPN	19:20.74	DANA WOODY	USA
28.27 MARIE ATKINSON	1:10.49	TANJA OP DEN ORTH	GER	2:24.99	ANDREA SIMAKOVA	CZE	19:20.91	JANET MCLEAN	GBR
28.27 CORINNA MIEDE	1:11.22	ADINA FAUR	ISR	2:28.64	KANA OHASHI	JPN	19:34.21	CLAIRE SWEENEY	GBR
28.27 ANKE SEEGER	1:11.92	CLARE GAMBLE	GBR	2:29.13	ANNE KUHN	GER	19:45.87	AMY WEISS	USA
28.27 SILKE LUBBERT	200 M. BACK			2:31.26	S BAUSHER-GRYBOS	USA	19:48.62	KIM STOK	GER
28.37 ALFONSINA IRACE	2:25.02	KANA OHASHI	JPN	2:32.19	MONICA BENVENUTI	ITA	19:54.11	HEIDI WILLIAMS	USA
100 M. FREE	2:27.37	JENNY MOONEY	USA	2:32.43	CINDY BERTELINK	CAN	19:55.30	NATHALIE BELAND	CAN
58.72 MONICA BENVENUTI	2:32.65	JANE SOLOMON	GBR	2:32.56	JENNY MOONEY	USA	50 M. BACK		
59.86 MIHO OKUHARA	2:33.43	NAHOMI ERIGUCHI	JPN	2:34.86	MARIA M SANCHEZ	GBR	32.10	SUNNY SMILEY	USA
1:00.42 JENNIFER BROOKS	2:34.53	DAWN PALMER	GBR	400 M. I.M.			32.45	MONICA SORO	ITA
1:00.73 PENNY PORTER	2:35.63	TANJA OP DEN ORTH	GER	5:26.47	JENNY MOONEY	USA	32.63	BETH ISAAK	USA
1:00.91 PAULA AGUIAR	2:36.33	DANIELA BAUMGARDT	GER	5:27.74	A.REKOWSKI	GER	32.68	NORIKO YOKOI	JPN
1:01.07 MARIE ATKINSON	2:36.84	KUNI MORI	JPN	5:28.86	DANIELA BAUMGARDT	GER	32.85	ANNETT REX	GER
1:01.17 KRISTA DE REUS	2:37.22	ADINA FAUR	ISR	5:29.52	LAURA CHIDGEY	GBR	32.98	NADINE DAY	USA
1:01.48 DANIELA BAUMGARDT	2:37.63	HEIDI FRENCH	GBR	5:31.06	CHRISSE MILLER	USA	33.17	CINDY RADFORD	CAN
1:01.65 DAWN PALMER	50 M. BRST			5:34.03	MARIA M SANCHEZ	GBR	33.28	LIVIA COPARIU	ITA
1:01.78 CORINNA MIEDE	35.12	GEORGINA PRICE	GBR	5:34.53	JANET MAYVILLE	CAN	33.30	MIYAKO AOKI	JPN
200 M. FREE	35.21	HELEN SALCEDO	USA	5:37.56	MARGARET CLIFFORD	USA	33.37	LIANNEKE HUTTEMAN	NED
2:12.89 JENNIFER BROOKS	35.24	KAREN JACKSON	GBR	5:37.63	MAGDA STOVICKOVA	USA	100 M. BACK		
2:14.00 MIRIAM CARLSON	35.25	KATJA WACHTER	GER	5:38.41	ELEANOR THOMSON	GBR	1:08.04	JOANNA CORBEN	GBR
2:14.16 DANIELA BAUMGARDT	35.44	MEGUMI SAKAGUCHI	JPN	*****					
2:14.18 MARIE ATKINSON	35.93	TAMARA VAN GORKOM	NED	WOMEN 30-34					
2:14.66 MONICA BENVENUTI	36.00	JANA VESELA	CZE	*****					
2:14.98 LISA ROBINSON	36.04	MARIANNE GUIRAUD	FRA	50 M. FREE			1:11.22	NORIKO YOKOI	JPN
2:15.14 CORINNA MIEDE	36.06	ANNA JENSEN	SWE	27.15	SUSAN HILL	GBR	1:11.51	NADINE DAY	USA
2:16.04 JANET MAYVILLE	36.12	KYOKO IWASAKI	USA	27.87	DELIA DEMATTI	ITA	1:12.29	C.AMESTOY	FRA
2:16.23 MARIA M SANCHEZ	100 M. BRST			28.14	HEATHER HAGEMAN	USA	1:12.49	ANNETT REX	GER
2:16.50 SABINE SCHMIDT	1:14.79	HITOMI MAEHARA	JPN	28.15	MONICA SORO	ITA	1:12.73	NOEMI DOMONKOS	AUS
400 M. FREE	1:17.85	KAREN JACKSON	GBR	28.16	YUKI INOUE	JPN	200 M. BACK		
4:24.11 SILVIA VIDA	1:18.49	HELEN SALCEDO	USA	28.30	NADINE DAY	USA	2:23.94	JOANNA CORBEN	GBR
4:37.84 JENNIFER BROOKS	1:18.67	KATJA WACHTER	GER	28.38	B.OLAFSDOTTIR	GER	2:30.66	SANDIE EASTON	USA
4:43.04 MARIE ATKINSON	1:19.14	LAURA CHIDGEY	GBR	28.49	TANJA DEGENKOLBE	GER	2:33.77	NADINE DAY	USA
4:43.19 HITOMI MAEHARA	1:19.64	MEGUMI SAKAGUCHI	JPN	28.50	F.PELLEGRINO	ITA	2:37.53	C.AMESTOY	FRA
4:43.82 DANIELA BAUMGARDT	1:20.41	KYOKO IWASAKI	USA	28.59	LUCIA SANTOS	BRA	2:38.16	SUNNY SMILEY	USA
4:44.17 S BAUSHER-GRYBOS	1:20.68	SINA TUTSCH	GER	100 M. FREE			2:38.28	BETH ISAAK	USA
4:44.46 MAGDA STOVICKOVA	1:21.11	M.TAVERNIER	FRA	59.62	NADINE DAY	USA	2:39.27	BARBARA GRILLO	ITA
4:47.11 TAMARA VAN GORKOM	200 M. BRST			59.89	SUSAN HILL	GBR	2:40.02	LAURA PALASCIANO	ITA
4:48.34 CINDY BERTELINK	2:40.83	HITOMI MAEHARA	JPN	1:00.05	ANA GRILLO	POR	2:40.71	STEFANIA CORVO	ITA
4:49.08 LISA ROBINSON	2:49.61	LAURA CHIDGEY	GBR	1:01.02	LUCIA SANTOS	BRA	2:40.86	NICOLA LATTY	GBR
800 M. FREE	2:49.82	KAREN JACKSON	GBR	1:01.68	MANUELA SCHUBERT	GER	50 M. BRST		
9:40.53 MARIE ATKINSON	2:50.54	ANNA JENSEN	SWE	1:01.88	LIVIA COPARIU	ITA	35.12	NADINE DAY	USA
9:54.49 MAGDA STOVICKOVA	2:51.71	KATJA WACHTER	GER	1:02.29	JENNIFER KOBI	CAN	35.44	AUDE BERTON	FRA
9:54.93 DANIELA BAUMGARDT	2:51.84	HELEN SALCEDO	USA	1:02.44	LIDIA VAN BON	NED	35.44	PETRA DUDA	GER
10:01.97 A.REKOWSKI	2:54.66	KYOKO IWASAKI	USA	1:02.56	DELIA DEMATTI	ITA	35.46	ANNETT REX	GER
10:02.68 PATRICIA FLYNN	2:55.20	TRACEY JENNINGS	GBR	1:02.95	BARBARA GRILLO	ITA	35.89	LOUISE MARTIN	USA
10:06.85 LAURA VOLPI	2:55.99	ISABELLE BOHLMANN	CAN	200 M. FREE			36.03	KATJA SEEGER-BOSE	GER
10:07.54 MELANIE KUIPER	2:56.91	DANIELA RUDOLPH	GER	2:10.97	ANA GRILLO	POR	36.73	IVANA MOUCHOVA	CZE
10:10.14 WIBKE STURM	50 M. FLY			2:11.11	NADINE DAY	USA	37.11	STEFANIA MONTI	ITA
10:10.39 SILKE PROBIAN	28.19	JENNIFER BROOKS	USA	2:12.59	SUSAN HILL	GBR	37.19	CLAUDIA DULLO	AUS
10:14.01 RACHEL JOYCE	29.20	ANDREA SIMAKOVA	CZE	2:14.54	JACQUI ROBINSON	AUS	37.23	LISA DOBSON	GBR
1500 M. BACK	29.25	MIHO OKUHARA	JPN	2:15.04	KATRINA RADKE	USA	100 M. BRST		
18:31.19 MARIE ATKINSON	29.67	PENNY PORTER	GBR	2:15.74	C. CHATTERTON	AUS	1:17.56	NADINE DAY	USA
18:51.52 REBECCA WASSNER	30.06	KATJA WACHTER	GER	2:16.25	LIDIA VAN BON	NED	1:18.61	ANNETT REX	GER
19:12.49 PATRICIA FLYNN	30.13	ALFONSINA IRACE	ITA	2:17.35	JENNIFER KOBI	CAN	1:19.20	KATJA SEEGER-BOSE	GER
19:19.48 LAURA VOLPI	30.23	SANDRINE PAQUIER	SUI	2:17.54	TRISH SEUBERT	USA	1:20.78	PETRA DUDA	GER
19:26.31 LETICIA MENDONCA	30.50	TANJA OP DEN ORTH	GER	2:17.94	BARBARA GRILLO	ITA	1:20.79	BRITT STOTT	RSA
19:45.38 AKIKO KANNA	30.52	SIMONE DICKMANN	GER	400 M. FREE			1:20.91	V.SCHLESINGER	GER
19:58.98 HITOMI NEGISHI	30.54	KIRSTEN HARTIG	GER	4:39.42	JACQUI ROBINSON	AUS	1:21.01	LOUISE MARTIN	USA
20:03.52 LISELOTTE JOLING	100 M. FLY			4:40.94	NADINE DAY	USA	1:21.76	IVANA MOUCHOVA	CZE
20:27.12 CORINA FRIEDRICH	1:03.89	JENNIFER BROOKS	USA	4:43.07	ANA GRILLO	POR	1:21.80	LUCY CLARKE	GBR
20:33.11 JANE SOLOMON	1:05.09	ANDREA SIMAKOVA	CZE	4:46.20	BARBARA GRILLO	ITA	1:21.88	SUE FAWN	GBR
50 M. BACK	1:07.00	LISE MACKIE	FRA	4:48.30	SANDIE EASTON	USA	200 M. BRST		
31.46 NAHOMI ERIGUCHI	1:07.37	ANNE KUHN	GER	4:50.05	NICOLA LATTY	GBR	2:48.03	NADINE DAY	USA
31.78 KANA OHASHI	1:07.49	CHRIS WIEGAND	GER	4:50.23	ANDREA HALBACH	GER	2:50.51	SUE FAWN	GBR
31.99 M.MARTIN-QUEVIL	1:07.55	JENNY MOONEY	USA	4:53.55	SHARON TIRAN	RSA	2:52.42	LOUISE MARTIN	USA
32.24 CHIE UDA	1:07.93	CORINNA MIEDE	GER	4:55.64	JANET MCLEAN	GBR	2:52.52	ANNETT REX	GER
32.29 KUNI MORI	1:08.36	ALFONSINA IRACE	ITA	4:55.78	DANA WOODY	USA	2:53.87	KATJA SEEGER-BOSE	GER
32.33 SARA POMPEI	1:08.40	SIMONE DICKMANN	GER	800 M. FREE			2:54.07	BRITT STOTT	RSA
32.40 TANJA OP DEN ORTH	1:08.53	KIRSTEN HARTIG	GER	9:34.49	JACQUI ROBINSON	AUS	2:55.09	C. CHATTERTON	AUS
32.42 HILLIARY THOMPSON	200 M. FLY			9:35.70	NADINE DAY	USA	2:56.84	LUCY CLARKE	GBR
32.45 DAWN PALMER	2:28.20	S BAUSHER-GRYBOS	USA	9:37.05	ANA GRILLO	POR	2:57.85	G.CHERUBINI	ITA
32.66 ADINA FAUR	2:32.10	MIRIAM CARLSON	USA	9:47.51	BARBARA GRILLO	ITA	2:57.95	DORRIS GRAN	ESP
100 M. BACK	2:34.39	A.REKOWSKI	GER	9:50.22	SHARON TIRAN	RSA	50 M. FLY		
1:06.98 KANA OHASHI	2:34.51	DANIELA RUDOLPH	GER	9:58.60	ANDREA HALBACH	GER	29.32	YUKI INOUE	JPN
	2:34.84	ANA MORALES	MEX	10:09.11	JANET MCLEAN	GBR	29.56	SUNNY SMILEY	USA
	2:34.97	K.VAN DONGEN	NED	10:09.51	DANA WOODY	USA	30.16	NADINE DAY	USA
	2:35.23	CORINNA MIEDE	GER	10:10.39	ALISON ZAMANIAN	USA	30.57	SUSAN HILL	GBR

World Masters Top 10

LCM (50 M)

30.57	YOKO YAMAGUCHI	JPN	2:18.06	AMANDA PICARD	SUI	1:19.24	MARZENA KULIS	ITA	28.02	SARAH MACDONALD	CAN
30.60	MONICA SORO	ITA	2:18.43	MIKI TAKAYAMA	JPN	1:20.53	DANIELA DE PONTI	ITA	28.08	DIANA MC DONOUGH	USA
30.64	TERESA DRAY	GBR	2:19.37	ELKE HAGEDORN	GER	1:20.91	ELKE BRAZEL	GER	28.16	STEFFI NIEMITZ	GER
30.65	KYOKO YAMADA	JPN	2:19.98	PETRA FROWIJN	NED	1:21.39	BEATE SCHOLTYSSSEK	GER	28.70	KARIN SEICK	GER
30.66	KATRIN LEHMANN	GER	400 M.	FREE		1:21.97	YOKO OZAKI	JPN	28.83	CAROLINE KRATTLI	USA
30.75	LIVIA COPARIU	ITA	4:39.79	CHARLOTT PETERSEN	USA	1:22.28	TOMOMI MIYAZONO	JPN	28.96	UTE ROMBERG	GER
100 M.	FLY		4:41.71	LAUREEN WELTING	USA	1:22.29	ELKE SCHMITZ	GER	28.99	CATHY CODLING	AUS
1:05.71	NADINE DAY	USA	4:44.39	ELKE HAGEDORN	GER	1:22.35	HOFMANN-SCHIEDLER	GER	100 M.	FREE	
1:06.12	HIDEKO HIRANAKA	JPN	4:48.15	AMANDA PICARD	SUI	1:23.39	GABRIELA BERRUETA	MEX	58.43	MARIA DOELGER	USA
1:08.68	SUNNY SMILEY	USA	4:50.77	JILL GELLATLY	USA	200 M.	BRST		1:00.10	K PIPESNEILSEN	USA
1:08.71	TERESA DRAY	GBR	4:51.14	ELLEN MACGREGOR	USA	2:50.26	MARZENA KULIS	ITA	1:02.35	UTE ROMBERG	GER
1:08.72	KARINE JANNOU	FRA	4:51.48	HEATHER HAGADORN	USA	2:55.25	S.SEMINATORE	ITA	1:02.86	DIANA MC DONOUGH	USA
1:08.82	YOKO YAMAGUCHI	JPN	4:55.71	LAURIE HUG	USA	2:56.24	BEATE SCHOLTYSSSEK	GER	1:03.73	ANDREA HEUVENS	GER
1:08.95	MARIA KELLY	GBR	4:56.68	SOPHIE MONGINET	BRA	3:00.61	YOKO OZAKI	JPN	1:03.80	MARIA ALWINE EDER	ITA
1:09.09	TANJA DEGENKOLBE	GER	4:58.78	HEIKE RUCKER	GER	3:02.04	SUE LYONS	AUS	1:03.95	STEFFI NIEMITZ	GER
1:09.22	NICOLA LATTY	GBR	800 M.	FREE		3:02.52	ROSI KRAUSS	GER	1:04.04	JENNIFER PORTMAN	USA
1:10.21	SANDIE EASTON	USA	9:39.34	CHARLOTT PETERSEN	USA	3:02.68	HOFMANN-SCHIEDLER	GER	1:04.08	LYNN MARSHALL	CAN
200 M.	FLY		9:51.29	AMANDA PICARD	SUI	3:03.51	ELKE SCHMITZ	GER	1:04.42	NANCY DURAN	USA
2:27.29	NICOLA LATTY	GBR	9:52.31	ELKE HAGEDORN	GER	3:05.75	SIMONE NAKANO	BRA	200 M.	FREE	
2:28.17	HIDEKO HIRANAKA	JPN	9:52.43	HEATHER HAGADORN	USA	3:06.15	G.BERRUETTA	MEX	2:09.00	K PIPES-NEILSEN	USA
2:29.25	NADINE DAY	USA	9:58.95	LAURIE HUG	USA	50 M.	FLY		2:14.24	MARIA DOELGER	USA
2:30.51	SANDIE EASTON	USA	10:02.53	JILL GELLATLY	USA	29.97	SILVIA PAROCCHI	ITA	2:17.40	DIANA MC DONOUGH	USA
2:30.59	ANA GRILLO	POR	10:11.89	JOLANDA OUDKERK	GER	30.17	KAREN JAMES	USA	2:17.44	BARBARA GELLRICH	GER
2:31.68	JACQUI ROBINSON	AUS	10:17.43	BEVERLY MCCARNEY	RSA	30.26	MURIELLE MARTIN	FRA	2:18.44	CAROLINE KRATTLI	USA
2:33.21	KARINE JANNOU	FRA	10:18.96	CLAUDIA MCCRAN	GER	30.39	P.BRULHART N'DULA	SUI	2:19.03	ANDREA HEUVENS	GER
2:35.58	CLAIRE SWEENEY	GBR	10:20.03	ANDREA LUALLEN	USA	30.49	MIKI TAKAYAMA	JPN	2:19.23	ANDREA BLOCK	USA
2:36.04	JANET MCLEAN	GBR	1500 M.	FREE		30.64	YUKIKO OZAWA	JPN	2:22.18	DENISE BROWN	USA
2:36.30	TANJA DEGENKOLBE	GER	18:44.37	LAURIE HUG	USA	30.74	VICTORIA WATSON	GBR	2:22.97	IRIS TECKENTRUP	GER
200 M.	I.M.		18:52.07	ELKE HAGEDORN	GER	30.74	BECKY HELLER	USA	2:23.52	AMY CAROW	USA
2:25.63	NADINE DAY	USA	18:56.25	JILL GELLATLY	USA	30.78	MARISA PASUDETTI	ITA	400 M.	FREE	
2:27.01	HIDEKO HIRANAKA	JPN	18:58.08	S.REIBEL-OBERLE	GER	30.82	KATHERINE VEALE	GBR	4:30.82	K PIPESNEILSEN	USA
2:33.14	C. CHATTERTON	AUS	19:06.47	HEATHER HAGADORN	USA	100 M.	FLY		4:45.36	CRISTINA SOARES	BRA
2:34.53	MONICA SORO	ITA	19:55.75	SOPHIE MONGINET	BRA	1:07.75	MIKI TAKAYAMA	JPN	4:48.39	CAROLINE KRATTLI	USA
2:35.03	SUSAN HILL	GBR	20:01.79	PAMELA SMART	AUS	1:07.88	HELEN WHITFORD	AUS	4:52.17	DENISE BROWN	USA
2:35.45	LIDIA VAN BON	NED	20:15.14	SALLY PRIOR	GBR	1:07.92	KAREN JAMES	USA	4:53.91	ANDREA HEUVENS	GER
2:36.14	JENNIFER KOBI	CAN	20:26.25	URSULA SCHULZ	GBR	1:08.16	CEILI MITTON	USA	4:54.64	DIANA MC DONOUGH	USA
2:36.75	KARINE JANNOU	FRA	20:35.20	LAURA DAMIANI	ITA	1:08.19	JENNIFER RIDGE	USA	4:57.60	ANNA MARIA NUNIA	ITA
2:37.21	SANDIE EASTON	USA	50 M.	BACK		1:08.72	DANIELA DE PONTI	ITA	4:57.68	ANDREA BLOCK	USA
2:37.60	PETRA DUDA	GER	32.78	KATHERINE VEALE	GBR	1:08.90	KATHERINE VEALE	GBR	4:58.11	BARBARA GELLRICH	GER
400 M.	I.M.		32.85	HIROKO NOGUCHI	JPN	1:09.20	HEIKE RUCKER	GER	4:59.03	UTE ROMBERG	GER
5:11.15	NADINE DAY	USA	32.97	SILVIA PAROCCHI	ITA	1:09.33	BEATE SCHOLTYSSSEK	GER	800 M.	FREE	
5:23.29	C. CHATTERTON	AUS	33.01	ANDREA LUALLEN	USA	1:09.42	GABI OTTKE	GER	9:21.75	K PIPES-NEILSEN	USA
5:30.19	NICOLA LATTY	GBR	33.09	LENKA NEMECKOVA	CZE	200 M.	FLY		9:55.23	DENISE BROWN	USA
5:35.20	PETRA DUDA	GER	33.42	INA BUTTGEREIT	GER	2:31.75	KATE VEALE	GBR	9:57.65	CAROLINE KRATTLI	USA
5:35.41	JANET MCLEAN	GBR	33.50	JUNKO NAKANO	JPN	2:33.06	BEATE SCHOLTYSSSEK	GER	10:07.90	ANNA MARIA NUNIA	ITA
5:36.43	SANDIE EASTON	USA	33.52	MIKI NAMAI	JPN	2:35.50	JOLANDA OUDKERK	GER	10:10.04	MARGEE CURRAN	USA
5:37.06	SHARON TIRAN	RSA	33.63	MARIE ARMENTERO	ITA	2:36.01	HEIKE RUCKER	GER	10:16.87	REBECCA KALIBAT	USA
5:37.14	TANJA DEGENKOLBE	GER	33.69	K.WULFF-HOPPE	GER	2:36.41	HELEN WHITFORD	AUS	10:21.13	ANDREA HEUVENS	GER
5:38.75	CLAIRE SWEENEY	GBR	100 M.	BACK		2:37.47	SOPHIE MONGINET	BRA	10:22.82	ANDREA BLOCK	USA
5:41.04	KATE DURRANT	AUS	1:08.45	SILVIA PAROCCHI	ITA	2:37.74	K.WULFF-HOPPE	GER	10:25.77	VIBEKE SWANSON	USA
*****			1:10.25	ANDREA LUALLEN	USA	2:38.05	KAREN JAMES	USA	10:26.37	MARGUERITE MEYER	USA
*****			1:12.25	HELEN WHITFORD	AUS	2:39.03	LAUREEN WELTING	USA	1500 M.	FREE	
*****			1:12.63	FALL WILLEBOORDSE	USA	2:40.33	KAREN BECKER	USA	17:56.52	K PIPES-NEILSEN	USA
*****			1:12.97	MIKI NAMAI	JPN	200 M.	I.M.		18:50.58	DENISE BROWN	USA
50 M.	FREE		1:13.70	BEVERLY MCCARNEY	RSA	2:30.42	KATHERINE VEALE	GBR	19:13.22	CAROLINE KRATTLI	USA
27.37	YUKIKO OZAWA	JPN	1:13.91	JENNIFER RIDGE	USA	2:34.04	SILVIA PAROCCHI	ITA	19:22.90	ANNA MARIA NUNIA	ITA
27.65	EDITH OTTERTMAN	RSA	1:14.49	WENDY SEGREST	USA	2:34.24	MIKI TAKAYAMA	JPN	19:33.16	ANDREA BLOCK	USA
27.79	FALL WILLEBOORDSE	USA	1:14.51	JANET HARRIS	USA	2:34.36	LAUREEN WELTING	USA	19:43.00	MARGUERITE MEYER	USA
27.98	MARIE ARMENTERO	ITA	1:14.93	JACKIE HEER	USA	2:35.41	JENNIFER RIDGE	USA	20:08.62	AMY CAROW	USA
28.29	DANIELA DE PONTI	ITA	200 M.	BACK		2:36.13	BEVERLY MCCARNEY	RSA	20:12.82	DANA HAUGLI	GBR
28.29	MURIELLE MARTIN	FRA	2:26.44	SILVIA PAROCCHI	ITA	2:36.27	CHARLOTT PETERSEN	USA	20:21.77	KETRINA CLARKE	AUS
28.42	ANJA TIJINK	NED	2:28.93	K.WULFF-HOPPE	GER	2:36.92	HELEN WHITFORD	AUS	20:33.61	DIANA MCDONOUGH	USA
28.43	JUNKO NAKANO	JPN	2:37.07	MIKI NAMAI	JPN	2:37.94	ELKE BRAZEL	GER	50 M.	BACK	
28.50	KAREN JAMES	USA	2:37.58	ANDREA LUALLEN	USA	2:37.96	SOPHIE MONGINET	BRA	32.50	K PIPESNEILSEN	USA
28.56	JENNIFER RIDGE	USA	2:38.15	HELEN WHITFORD	AUS	400 M.	I.M.		32.67	JOANNE BULLOCK	GBR
100 M.	FREE		2:38.65	CHARLOTT PETERSEN	USA	5:22.15	K.WULFF-HOPPE	GER	33.03	UTE ROMBERG	GER
1:00.69	SILVIA PAROCCHI	ITA	2:39.83	N.MUIR-COCHRANE	GBR	5:38.28	SOPHIE MONGINET	BRA	33.38	KARIN SEICK	GER
1:00.85	FALL WILLEBOORDSE	USA	2:41.88	JILL GELLATLY	USA	5:38.79	AMANDA PICARD	SUI	33.79	ELISABETH BEUCHER	FRA
1:01.27	KAREN JAMES	USA	2:42.87	WENDY SEGREST	USA	5:38.95	BEATE SCHOLTYSSSEK	GER	33.79	CAROLINE KRATTLI	USA
1:01.47	JENNIFER RIDGE	USA	2:44.48	DOROTHEA PIELKE	GER	5:39.84	HOFMANN-SCHIEDLER	GER	33.89	VALERIE JENKINS	USA
1:01.74	YUKIKO OZAWA	JPN	50 M.	BRST		5:40.57	KAARI REIERSON	USA	34.15	SHIZUKO HIRAISHI	JPN
1:01.76	BEVERLY MCCARNEY	RSA	34.70	S.SEMINATORE	ITA	5:42.73	ANDREA LUALLEN	USA	34.16	S.FELGENTRAGER	GER
1:01.80	LAUREEN WELTING	USA	34.88	P.BRULHART N'DULA	SUI	5:43.62	N.MUIR-COCHRANE	GBR	34.30	MASAMI HIGURASHI	JPN
1:01.92	EDITH OTTERTMAN	RSA	36.56	DANIELA DE PONTI	ITA	5:45.14	MIYUKI YAMAGUCHI	JPN	100 M.	BACK	
1:02.00	CHARLOTT PETERSEN	USA	36.91	YOKO OZAKI	JPN	5:47.44	DUNJA VOOS	GER	1:07.69	K PIPES-NEILSEN	USA
1:02.14	NORMA CAHILL	GBR	37.02	ELKE SCHMITZ	GER	*****			1:12.03	LESLEY WILDE	GBR
200 M.	FREE		37.05	TOMOMI MIYAZONO	JPN	*****			1:12.70	CAROLINE KRATTLI	USA
2:12.31	CHARLOTT PETERSEN	USA	37.12	HOFMANN-SCHIEDLER	GER	*****			1:12.76	SALLY BELL	AUS
2:13.14	LAUREEN WELTING	USA	37.57	ANGELA KRAUSE	GER	*****			1:13.43	VALERIE JENKINS	USA
2:14.64	JENNIFER RIDGE	USA	37.65	B.BANTLE-HAAS	GER	50 M.	FREE		1:14.60	UTE ROMBERG	GER
2:14.72	SILVIA PAROCCHI	ITA	37.71	SUE LYONS	AUS	26.88	MARIA DOELGER	USA	1:15.02	JENNIFER PORTMAN	USA
2:16.57	HEATHER HAGADORN	USA	100 M.	BRST		27.56	BARBARA GELLRICH	GER	1:15.08	MASAMI HIGURASHI	JPN
2:17.23	NORMA CAHILL	GBR	1:19.16	S.SEMINATORE	ITA	27.62	K PIPESNEILSEN	USA	1:15.64	MARIA ALWINE EDER	ITA

World Masters Top 10

LCM (50 M)

1:15.90	SHIZUKO HIRAIISHI	JPN	2:40.67	UTE ROMBERG	GER	20:39.39	TRACY GRILLI	USA	1:10.24	SUZANN HEIM-BOWEN	USA
200 M.	BACK		2:41.25	REBECCA KALIBAT	USA	21:02.28	CINDY LEE	USA	1:11.17	JENNY WHITELEY	AUS
2:23.64	K PIPES-NEILSEN	USA	2:42.43	SHIZUKO HIRAIISHI	JPN	21:05.30	N STEADMAN-MARTIN	USA	1:11.25	COLETTE CRABBE	USA
2:34.81	LESLEY WILDE	GBR	2:42.58	TRACEY ELLIS	GBR	21:20.07	CELIA DEVANNEY	USA	1:13.05	BRIDGET VACHE	USA
2:36.69	CAROLINE KRATTLI	USA	2:44.24	ANNA DELOZIER	USA	50 M.	BACK		1:13.20	HARUMI SUGINUMA	JPN
2:37.58	UTE ROMBERG	GER	2:44.38	CECILIA STANFORD	RSA	33.89	K ANDRUS-HUGHES	USA	1:14.15	M PUJALET-DEVITT	USA
2:41.17	JENNIFER PORTMAN	USA	400 M.	I.M.		34.39	ANGELA ZINGLER	GER	1:14.41	ANGELA ZINGLER	GER
2:41.26	SALLY BELL	AUS	5:12.58	K PIPES-NEILSEN	USA	34.45	SHANE GOULD	AUS	1:14.90	MARY HUGHES	USA
2:42.07	MASAMI HIGURASHI	JPN	5:30.73	CAROLINE KRATTLI	USA	34.69	AROMA MARTORELL	BRA	1:15.14	SUSAN SKIFF	ITA
2:42.57	NAOKO SHIDE	JPN	5:39.62	LESLEY WILDE	GBR	35.18	ATIE PIJTAK	NED	1:15.20	FERNANDA PRADO	BRA
2:44.62	LYNN MARSHALL	CAN	5:40.93	REBECCA KALIBAT	USA	35.18	SARAH BANKO	USA	200 M.	FLY	
2:45.08	VALERIE JENKINS	USA	5:42.04	VIBEKE SWANSON	USA	35.20	JENNY WHITELEY	AUS	2:38.75	JENNY WHITELEY	AUS
50 M.	BRST		5:49.38	RENATE CHRIST	GER	35.30	LAURA GORGERINO	ITA	2:42.61	COLETTE CRABBE	USA
34.90	CAROLINE KRATTLI	USA	5:50.19	CECILIA STANFORD	RSA	35.49	KAREN EINSIDLER	USA	2:49.84	ESTHER ISEPPI	SUI
35.74	K PIPESNEILSEN	USA	5:51.04	DENISE BROWN	USA	35.84	BARBARA STUBBE	GER	2:50.89	KATHERINE BRANCH	USA
35.97	AMANDA MARTIN	USA	5:52.80	ANNA DELOZIER	USA	100 M.	BACK		2:51.46	JILL JONES	GBR
36.06	SATOKO TOKITA	JPN	5:55.72	PETRA KATZUR	GER	1:13.88	K ANDRUS-HUGHES	USA	2:51.58	M PUJALET-DEVITT	USA
37.15	PATRICIA POWIS	USA	*****			1:16.19	C.TARANTINO	ITA	2:52.95	KATHRYN DOBSON	AUS
37.20	ALBENA POPOVA	ITA	*****			1:16.68	JENNY WHITELEY	AUS	2:53.01	SUSAN SKIFF	ITA
37.26	M.ODILE CHARLES	FRA	WOMEN 45-49			1:17.30	AROMA MARTORELL	BRA	2:53.13	KAREN SULLIVAN	USA
37.36	KATHY RENARD	CAN	*****			1:17.74	UTE CIMDINS	GER	2:54.04	FERNANDA PRADO	BRA
37.46	VERITY DOBBIE	GBR	50 M.	FREE		1:17.85	DEBBIE CAVANAUGH	USA	200 M.	I.M.	
37.52	LAURIE DITOMMASO	USA	28.53	JENNY WHITELEY	AUS	1:17.85	CINDY LEE	USA	2:35.74	COLETTE CRABBE	USA
100 M.	BRST		28.69	ANGELA ZINGLER	GER	1:18.65	M PUJALET-DEVITT	USA	2:38.13	SHANE GOULD	AUS
1:15.35	CAROLINE KRATTLI	USA	29.19	LAURA GORGERINO	ITA	1:19.34	ATIE PIJTAK	NED	2:39.67	KAREN EINSIDLER	USA
1:20.85	K.PIPES-NEILSEN	USA	29.24	ELKE OSTWALD	GER	1:19.97	KAYO MIZUI	JPN	2:40.35	JENNY WHITELEY	AUS
1:21.00	M.ODILE CHARLES	FRA	29.27	K ANDRUS-HUGHES	USA	200 M.	BACK		2:45.56	C.TARANTINO	ITA
1:22.14	KATHY RENARD	CAN	29.46	SHANE GOULD	AUS	2:39.01	C.TARANTINO	ITA	2:45.65	ATIE PIJTAK	NED
1:23.31	RENATE CHRIST	GER	29.51	SYLVIE LE NOACH	FRA	2:41.34	KAREN EINSIDLER	USA	2:46.68	LINDA BUCHANAN	USA
1:23.38	PETRA HAAS	GER	29.74	MARY HUGHES	USA	2:45.60	AROMA MARTORELL	BRA	2:46.71	ESTHER ISEPPI	SUI
1:23.54	SATOKO TOKITA	JPN	29.97	M KLEINE SPANG	USA	2:48.14	DEBBIE CAVANAUGH	USA	2:47.84	K ANDRUSHUGHES	USA
1:23.90	PATRICIA POWIS	USA	30.22	MARGARET SMITH	GBR	2:48.34	K ANDRUS-HUGHES	USA	2:48.04	M PUJALET-DEVITT	USA
1:24.16	SILKE GODDE	GER	100 M.	FREE		2:49.59	PATTY LANDERS	USA	400 M.	I.M.	
1:24.24	BRITTA OLSCHOWKA	GER	1:02.11	SUZANN HEIM-BOWEN	USA	2:50.17	KATHERINE BRANCH	USA	5:38.12	COLETTE CRABBE	USA
200 M.	BRST		1:02.83	JENNY WHITELEY	AUS	2:51.17	RITA TOWNSEND	RSA	5:42.22	KAREN EINSIDLER	USA
2:44.99	CAROLINE KRATTLI	USA	1:03.47	SHANE GOULD	AUS	2:52.57	CLARE DAVIE	RSA	5:47.48	JENNY WHITELEY	USA
2:56.08	K.PIPES-NEILSEN	USA	1:04.02	ATIE PIJTAK	NED	2:53.43	MARTHA STANTON	JPN	5:49.92	C.TARANTINO	ITA
2:58.00	M.ODILE CHARLES	FRA	1:04.91	K ANDRUSHUGHES	USA	50 M.	BRST		5:54.99	ESTHER ISEPPI	SUI
2:58.01	BRITTA OLSCHOWKA	GER	1:05.17	MARY HUGHES	USA	35.99	JENNY WHITELEY	AUS	6:01.48	SUZANN HEIMBOWEN	USA
2:59.43	SILKE GODDE	GER	1:06.11	LAURA GORGERINO	ITA	36.67	JUDY WOODWARD	CAN	6:05.64	KATHERINE BRANCH	USA
3:00.70	RENATE CHRIST	GER	1:06.47	MARILYN EARLY	USA	37.41	JAN FOWLER	AUS	6:06.37	K ANDRUSHUGHES	USA
3:01.97	TRACEY ELLIS	GBR	1:06.79	FERNANDA PRADO	BRA	38.00	PATRICIA WARREN	GBR	6:09.20	KATHRYN DOBSON	AUS
3:02.68	JUDY HATTLE	GBR	1:06.81	ELKE OSTWALD	GER	38.11	DAGMAR FRESE	GER	6:10.88	AROMA MARTORELL	BRA
3:04.13	DANA WILBER	USA	200 M.	FREE		38.24	JOY DALGIN	GBR	*****		
3:04.65	KYM TAMPLIN	GBR	2:13.17	SUZANN HEIM-BOWEN	USA	38.50	MONIKA HERMANN	USA	*****		
50 M.	FLY		2:16.67	JENNY WHITELEY	AUS	38.82	MELINDA MANN	USA	*****		
29.29	MARIA DOELGER	USA	2:18.81	KAREN EINSIDLER	USA	38.91	A.RUZZIER	ITA	*****		
29.88	K PIPESNEILSEN	USA	2:21.10	MARGARET SMITH	GBR	39.00	AMANDA HEATH	GBR	50 M.	FREE	
30.08	BARBARA GELLRICH	GER	2:22.80	ATIE PIJTAK	NED	39.00	LISA BENNETT	USA	28.46	JACKI HIRSTY	USA
30.46	KATHY SHIPMAN	USA	2:23.37	SUE KEARNEY	AUS	100 M.	BRST		29.35	LAURA VAL	USA
30.61	ANDREA BLOCK	USA	2:23.62	K ANDRUS-HUGHES	USA	1:19.49	JENNY WHITELEY	AUS	30.05	M.RICHTHOFEN	GER
30.78	JUDY HATTLE	GBR	2:24.40	MARY HUGHES	USA	1:22.80	JAN FOWLER	AUS	30.20	REGULA STEIGER	SUI
30.78	KARIN SEICK	GER	2:27.00	BRIDGET VACHE	USA	1:23.28	DAGMAR FRESE	GER	30.48	JOEL FELDMANN	USA
30.86	CAROLINE KRATTLI	USA	2:27.85	CINDY LEE	USA	1:23.51	COLETTE CRABBE	USA	30.65	DANIELLE OGIER	USA
30.95	DIANA MC DONOUGH	USA	400 M.	FREE		1:25.43	AMANDA HEATH	GBR	30.80	PAM COBB	USA
31.27	MICHELLE DIGE	GBR	4:39.20	SUZANN HEIM-BOWEN	USA	1:26.64	LISA BENNETT	USA	30.83	SUE HODGE	GBR
100 M.	FLY		4:52.17	JENNY WHITELEY	AUS	1:26.65	PATRICIA WARREN	GBR	30.89	H.REICHEL	GER
1:04.74	K PIPES-NEILSEN	USA	4:56.29	KAREN EINSIDLER	USA	1:26.94	BRIDGET VACHE	USA	31.23	YURI SUETSUGU	JPN
1:06.41	MARIA DOELGER	USA	4:58.88	C.TARANTINO	ITA	1:27.05	A.RUZZIER	ITA	100 M.	FREE	
1:06.88	BARBARA GELLRICH	GER	4:59.78	SUE KEARNEY	AUS	1:27.38	URSULA RICHTER	GER	1:03.51	LAURA VAL	USA
1:09.62	JUDY HATTLE	GBR	5:01.44	MARGARET SMITH	GBR	200 M.	BRST		1:03.58	JACKI HIRSTY	USA
1:09.72	LYNN MARSHALL	CAN	5:06.36	BRIDGET VACHE	USA	2:55.96	JENNY WHITELEY	AUS	1:07.73	PAM COBB	USA
1:10.15	CAROLINE KRATTLI	USA	5:06.80	COLETTE CRABBE	USA	2:59.35	JAN FOWLER	AUS	1:07.91	SUSAN HALFACRE	USA
1:11.46	SHIZUKO HIRAIISHI	JPN	5:09.28	ATIE PIJTAK	NED	2:59.79	COLETTE CRABBE	USA	1:08.37	DOT MUNGER	USA
1:11.77	JENNIFER PORTMAN	USA	5:12.47	SUSAN SKIFF	ITA	3:02.95	AMANDA HEATH	GBR	1:09.13	SUSAN HODGE	GBR
1:11.84	RENATE CHRIST	GER	800 M.	FREE		3:07.09	KAREN MELICK	USA	1:09.31	M.RICHTHOFEN	GER
1:11.85	CECILIA STANFORD	RSA	9:24.53	SUZANN HEIM-BOWEN	USA	3:09.45	ESTHER ISEPPI	SUI	1:09.45	J SWAGERTY-HILL	USA
200 M.	FLY		10:02.69	KAREN EINSIDLER	USA	3:09.75	FRANCES PENWARDEN	GBR	1:09.51	KATHI LINDSTROM	USA
2:24.77	K PIPES-NEILSEN	USA	10:09.61	C.TARANTINO	ITA	3:10.00	PATRICIA WARREN	GBR	1:09.88	REGULA STEIGER	SUI
2:33.54	ANDREA BLOCK	USA	10:35.65	BRIDGET VACHE	USA	3:11.76	LISA BENNETT	USA	200 M.	FREE	
2:37.96	JUDY HATTLE	GBR	10:36.16	MARGARET SMITH	GBR	3:12.22	HEDLA LOPES	BRA	2:17.69	LAURA VAL	USA
2:44.55	RENATE CHRIST	GER	10:39.02	COLETTE CRABBE	USA	50 M.	FLY		2:22.18	JACKI HIRSTY	USA
2:45.53	REBECCA KALIBAT	USA	10:43.87	TRACY GRILLI	USA	30.79	SHANE GOULD	AUS	2:25.55	DANIELLE OGIER	USA
2:45.89	CECILIA STANFORD	RSA	10:45.76	JEAN BANCKS	USA	30.88	JENNY WHITELEY	AUS	2:30.19	DOT MUNGER	USA
2:48.20	SHIZUKO HIRAIISHI	JPN	10:48.04	HEIDI CHRISTENSEN	USA	31.16	ANGELA ZINGLER	GER	2:30.62	BARBARA DUNBAR	USA
2:48.64	JANA GRABNER	GER	11:02.71	ESTHER ISEPPI	SUI	31.58	SACHIKO SAITO	JPN	2:31.45	SUSAN HALFACRE	USA
2:50.44	MONICA VACCARI	ITA	1500 M.	FREE		32.10	LAURA GORGERINO	ITA	2:31.97	KATHI LINDSTROM	USA
2:52.57	SUSANNE KOPP	GER	17:55.83	SUZANN HEIM-BOWEN	USA	32.12	HARUMI SUGINUMA	JPN	2:35.82	DEB WALKER	USA
200 M.	I.M.		19:19.70	C.TARANTINO	ITA	32.30	MARY HUGHES	USA	2:36.20	PRISCILL KAWAKAMI	USA
2:25.38	K PIPES-NEILSEN	USA	20:07.45	KATHERINE BRANCH	USA	32.73	MARGARET SMITH	GBR	2:36.44	ANNE LABORWIT	USA
2:32.07	CAROLINE KRATTLI	USA	20:09.67	MARGARET SMITH	GBR	32.84	STEPHANIE ROLLINS	USA	400 M.	FREE	
2:37.61	LESLEY WILDE	GBR	20:17.40	BRIDGET VACHE	USA	33.02	AROMA MARTORELL	BRA	4:50.77	LAURA VAL	USA
2:39.44	BARBARA GELLRICH	GER	20:18.19	HEIDI CHRISTENSEN	USA	100 M.	FLY		4:59.43	JACKI HIRSTY	USA

World Masters Top 10

LCM (50 M)

5:08.31	LAURA VACA	PUR	1:32.39	KAY GRAHAM	AUS	100 M. FREE	3:13.12	SUSIE BRESLIN	GBR
5:10.28	BARBARA DUNBAR	USA	1:32.54	CATHY MERRITT	CAN	1:09.13 SUSAN HODGE	3:13.76	MARCIA BARRY	USA
5:16.89	KATHI LINDSTROM	USA	200 M. BRST			1:09.55 F WILLIAMSON	3:18.21	JULIA KEMP	GBR
5:23.50	SUSAN HALFACRE	USA	3:04.92	ULRIKE URBANIAK	GER	1:11.18 BRIGITTE MERTEN	3:18.22	MASAKO AKITA	JPN
5:25.02	DEB WALKER	USA	3:08.65	JENNIFER MERRITT	GBR	1:11.20 JUDY WILSON	3:19.46	JEANNIE MITCHELL	USA
5:26.57	PRISCILL KAWAKAMI	USA	3:10.20	DEB WALKER	USA	1:11.67 CAROL FELLOWS	50 M. BRST		
5:32.39	SUSAN HAIGH	GBR	3:12.24	DANIELLE OGIER	USA	1:13.49 ANNEROSE TROBISCH	39.66	JAN WICKS	AUS
5:35.67	CLAUDIA KOCH	GER	3:13.56	DOT MUNGER	USA	1:16.62 MARCIA BARRY	41.12	JULIE CRAYFORD	GBR
800 M. FREE			3:15.56	PETRA SCHROER	GER	1:16.74 JUDY ALDEN	41.81	GINGER PIERSON	USA
9:57.52	LAURA VAL	USA	3:16.67	BEV STUBBINGS	AUS	1:17.16 ANGELIKA RADAU	42.08	MEEGAN WILSON	USA
10:21.14	JACKI HIRSTY	USA	3:20.63	KAY GRAHAM	AUS	1:17.85 BITE AXLING	42.57	JUDY ALDEN	GBR
10:24.67	LAURA VACA	PUR	3:24.59	CARMEN CORRES	ESP	200 M. FREE	42.58	IMMA GIER	GER
10:32.73	BARBARA DUNBAR	USA	3:25.26	S.MORCHE-BLOCH	GER	2:33.60 F WILLIAMSON	42.63	CHRISTIE HAYES	USA
10:45.68	KATHI LINDSTROM	USA	50 M. FLY			2:36.85 BRIGITTE MERTEN	42.64	YVONNE CATTRALL	CAN
11:09.18	DANIELLE OGIER	USA	31.86	LAURA VAL	USA	2:39.81 CAROL FELLOWS	42.90	MARIA RICCIATTI	ITA
11:16.89	PRISCILL KAWAKAMI	USA	32.62	JACKI HIRSTY	USA	2:44.04 MARCIA BARRY	43.03	SHIZUKA HATTORI	JPN
11:25.65	CLAUDIA KOCH	GER	33.13	J SWAGERTY-HILL	USA	2:49.38 JUDY WILSON	43.03	F WILLIAMSON	USA
11:26.80	MARGARETA RAINER	SWE	33.92	LIZ RUTHERFORD	GBR	2:50.72 MARGARETA BRASK	100 M. BRST		
11:27.82	SUSAN HAIGH	GBR	34.19	C.NIEUWENHUIS	NED	2:51.85 JUDY ALDEN	1:33.38	GINGER PIERSON	USA
1500 M. FREE			34.41	SUSAN HALFACRE	USA	2:52.46 NANETTE BRANDT	1:33.45	IMMA GIER	GER
19:49.06	BARBARA DUNBAR	USA	34.64	REGULA STEIGER	SUI	2:54.20 ANN LYTLE	1:33.67	VLASTA OEHL	GER
20:33.27	KATHI LINDSTROM	USA	34.74	DANIELLE OGIER	USA	2:54.68 JACKIE QUATTRO	1:35.21	JULIE CRAYFORD	GBR
21:23.35	PRISCILL KAWAKAMI	USA	34.86	YOSHIKO KADOSAKA	JPN	400 M. FREE	1:35.42	MEEGAN WILSON	USA
21:53.61	MEREDITH MOORE	USA	35.15	HISAMI NAKAO	JPN	5:30.61 F WILLIAMSON	1:35.67	YOSHIE OGASAWARA	JPN
21:55.92	CLAUDIA KOCH	GER	100 M. FLY			5:41.90 MARCIA BARRY	1:35.70	KAYAKO HIROSE	JPN
21:59.40	SUSAN HAIGH	GBR	1:09.27	LAURA VAL	USA	5:55.61 JULIE CRAYFORD	1:36.22	ANNEGRET VOLCKER	GER
22:37.12	ANNE CORK	GBR	1:18.62	BARBARA DUNBAR	USA	6:06.29 ANGELIKA RADAU	1:36.62	CHRISTIE HAYES	USA
22:40.90	CARMEN CORRES	ESP	1:22.17	CLAUDIA KOCH	GER	6:07.15 MARGARETA BRASK	1:36.87	BEV SHUTTLEWORTH	RSA
22:44.31	SALLY GUTHRIE	USA	1:22.54	LIZ RUTHERFORD	GBR	6:09.29 JUNKO IDE	200 M. BRST		
23:05.40	WENDY CIMARNO	CAN	1:23.22	KAY GRAHAM	AUS	6:11.66 SUSAN GUSTAVISON	3:24.51	YOSHIE OGASAWARA	JPN
50 M. BACK			1:24.88	MICHIKO OTO	JPN	6:11.83 JACKIE QUATTRO	3:24.56	JULIE CRAYFORD	GBR
33.60	J SWAGERTY-HILL	USA	1:25.99	CLAIRE GRIFFITHS	GBR	6:13.17 ANN LYTLE	3:25.11	ANNEGRET VOLCKER	GER
34.41	LAURA VAL	USA	1:26.55	S.MORCHE-BLOCH	GER	6:14.90 JUDY ALDEN	3:27.76	MEEGAN WILSON	USA
36.07	B.DUPREZ BAZ	FRA	1:27.00	CATHY MANCINO	USA	800 M. FREE	3:28.14	TAMAE FURUYA	JPN
37.02	SUSAN HALFACRE	USA	1:28.00	MERYL ALEXANDER	GBR	11:29.35 MARCIA BARRY	3:30.08	GINGER PIERSON	USA
37.28	MORAG BROMFIELD	RSA	200 M. FLY			11:57.05 JULIE CRAYFORD	3:31.14	CHRISTIE HAYES	USA
37.31	ANN GUINS	USA	2:37.52	LAURA VAL	USA	12:05.47 DEBORAH BARTON	3:31.79	DANIELA BARNEA	USA
37.51	ANNE CORK	GBR	2:52.86	BARBARA DUNBAR	USA	12:22.94 JUDY WILSON	3:33.72	E.KOWALEWSKI	GER
37.88	KAY VALLANCE	AUS	2:53.53	M.NEUMEISTER	GER	12:26.66 JUNKO IDE	3:34.28	RITSUKO KUROSAWA	JPN
37.92	DANIELLE OGIER	USA	3:01.16	SUSAN HAIGH	GBR	12:36.60 ANGELIKA RADAU	50 M. FLY		
38.51	RONA JOFFE	ISR	3:01.93	CLAUDIA KOCH	GER	12:40.45 M ELAINE BLOWER	33.46	JUDY WILSON	GBR
100 M. BACK			3:14.77	S.MORCHE-BLOCH	GER	12:47.09 JACKIE QUATTRO	34.85	YASUKO SOGA	JPN
1:16.66	J SWAGERTY-HILL	USA	3:16.37	KAY GRAHAM	AUS	12:47.69 RITSUKO KUROSAWA	35.97	HARRIET BURE	SWE
1:17.17	LAURA VAL	USA	3:21.93	CATHY MANCINO	USA	12:51.48 JOANNE MENARD	36.09	BRIGITTE MERTEN	GER
1:20.45	B.DUPREZ BAZ	FRA	3:23.53	JACKIE WALKINGTON	AUS	1500 M. FREE	36.50	SUSANA BARKLEY	ESP
1:20.90	ANNE CORK	GBR	3:26.79	SHERRY KITTRELL	USA	23:10.03 JULIE CRAYFORD	36.83	A SUSAN TYLER	USA
1:24.17	ANN GUINS	USA	200 M. I.M.			23:19.78 JUNKO IDE	37.11	JAN WICKS	AUS
1:24.18	KAY VALLANCE	AUS	2:45.48	DANIELLE OGIER	USA	24:32.15 JOANNE MENARD	37.60	LYNNE TANNER	GBR
1:24.74	MORAG BROMFIELD	RSA	2:48.48	LAURA VACA	MEX	24:37.45 MARY POHLMANN	37.92	JANET GETTLING	USA
1:24.89	ANNE LABORWIT	USA	2:55.05	ANNE CORK	GBR	24:51.47 TOMIKO MURAI	38.04	SANDI ROUSSEAU	USA
1:25.14	SUSAN HALFACRE	USA	2:57.84	KATHI LINDSTROM	USA	24:52.11 ANN SVENSON	100 M. FLY		
1:25.32	TOKO NARUMI	JPN	3:01.26	CLAUDIA KOCH	GER	24:54.42 ANGELIKA RADAU	1:18.19	JUDY WILSON	GBR
200 M. BACK			3:01.46	MIRA GUGLIELMI	ITA	24:54.67 JANET GETTLING	1:22.41	BRIGITTE MERTEN	GER
2:49.48	LAURA VAL	USA	3:02.74	LIZ RUTHERFORD	GBR	25:05.44 KATHRINE CASEY	1:23.88	JULIE CRAYFORD	GBR
2:53.05	ANNE CORK	GBR	3:03.51	JANETTE JEFFREY	AUS	25:13.34 ELZA ADOLPHO	1:27.98	A SUSAN TYLER	USA
3:03.31	ANNE LABORWIT	USA	3:05.62	ULRIKE URBANIAK	GER	50 M. BACK	1:28.59	KEIKO HONDA	JPN
3:03.64	SKIPPY MATTSON	USA	3:07.48	SKIPPY MATTSON	USA	36.28 MICHIKO KIHARA	1:30.51	HARRIET BURE	SWE
3:06.08	DEB WALKER	USA	400 M. I.M.			36.96 MARGIT OHLSSON	1:31.47	RITSUKO KUROSAWA	JPN
3:06.61	TOKO NARUMI	JPN	5:55.17	LAURA VACA	PUR	37.04 YOKO NAKAMURA	1:31.78	JANET GETTLING	USA
3:07.60	MEREDITH MOORE	USA	5:59.05	DANIELLE OGIER	USA	39.64 LYNNE TANNER	1:32.68	GINGER PIERSON	USA
3:08.93	TAKAKO OKUBO	JPN	6:18.69	BARBARA DUNBAR	USA	40.12 JULIE GUNTHORP	1:35.02	KEIKO UESUGI	JPN
3:09.45	HISAE HAYASAKA	JPN	6:25.49	SUSAN HAIGH	GBR	40.59 SUSIE BRESLIN	200 M. FLY		
3:09.71	KARLEN TREBESINER	USA	6:29.00	PRISCILL KAWAKAMI	USA	40.59 JEANNIE MITCHELL	3:06.85	JUDY WILSON	GBR
50 M. BRST			6:29.86	SKIPPY MATTSON	USA	40.99 MARILYN BROWN	3:17.67	JULIE CRAYFORD	GBR
38.13	PETRA SCHROER	GER	6:38.09	CLAUDIA KOCH	GER	41.50 BITE AXLING	3:25.55	GINGER PIERSON	USA
39.00	REGULA STEIGER	SUI	6:48.62	JACKIE WALKINGTON	AUS	41.74 IZUMI MIURA	3:28.61	RITSUKO KUROSAWA	JPN
39.10	DOT MUNGER	USA	6:53.72	JENNY IRELAND	RSA	100 M. BACK	3:30.26	PATRICIA JACKSON	GBR
39.54	DEB WALKER	USA	6:54.19	WENDY CIMARNO	CAN	1:23.90 MARGIT OHLSSON	3:35.90	INGEBORG SEIDEL	GER
39.68	DANIELLE OGIER	USA				1:25.50 BRIGITTE MERTEN	3:36.01	EIKO OIE	JPN
39.78	CONNY NEUBERT	GER	*****			1:29.03 JEANNIE MITCHELL	3:37.42	KEIKO HONDA	JPN
40.08	ULRIKE URBANIAK	GER	*****			1:29.14 SUSIE BRESLIN	3:40.24	JANET GETTLING	USA
40.18	JENNIFER MERRITT	GBR	*****			1:29.58 JULIE GUNTHORP	3:48.72	BARBARA LARSEN	USA
40.79	BRIGITTE KUHL	GER	50 M. FREE			1:30.48 LYNNE TANNER	200 M. I.M.		
41.31	CARMEN CORRES	ESP	29.87	CHERYL GOMMERS	AUS	1:31.19 MARY POHLMANN	2:53.72	BRIGITTE MERTEN	GER
100 M. BRST			31.67	F WILLIAMSON	USA	1:31.31 MARCIA BARRY	3:05.75	JULIE CRAYFORD	GBR
1:24.69	PETRA SCHROER	GER	31.72	JUDY WILSON	GBR	1:33.14 KATHRINE CASEY	3:10.85	MARGIT OHLSSON	SWE
1:26.65	ULRIKE URBANIAK	GER	32.13	MICHIKO KIHARA	JPN	1:33.26 IZUMI MIURA	3:11.60	CHRISTIE HAYES	USA
1:27.07	DEB WALKER	USA	32.37	BRIGITTE MERTEN	GER	200 M. BACK	3:13.51	YVONNE LEONOV	ISR
1:27.12	REGULA STEIGER	SUI	32.38	YOKO NAKAMURA	JPN	3:01.20 MARGIT OHLSSON	3:14.68	RITSUKO KUROSAWA	JPN
1:27.33	JENNIFER MERRITT	GBR	32.78	YASUKO SOGA	JPN	3:05.03 BRIGITTE MERTEN	3:15.86	MICHIKO MOTEGI	JPN
1:27.38	DOT MUNGER	USA	33.26	CHRISTIE HAYES	USA	3:09.13 YVONNE LEONOV	3:16.59	HARRIET BURE	SWE
1:28.19	DANIELLE OGIER	USA	33.38	JUDY ALDEN	GBR	3:11.41 JULIE GUNTHORP	3:19.27	GINGER PIERSON	USA
1:29.93	CONNY NEUBERT	GER	33.96	ANNE PAGE	USA	3:12.62 MARY POHLMANN	3:20.07	E.KOWALEWSKI	GER

World Masters Top 10

LCM (50 M)

400 M. I.M.		37.02	SATOKO TAKEUJI	JPN	1:39.92	MONIKA SENFTLEBEN	GER	6:40.25	BARBARA FENTIMAN	GBR	
6:36.99	JULIE CRAYFORD	GBR	37.87	MARGARET WILDING	GBR	1:41.77	YOKO UOZU	JPN	6:46.85	JEANNE LITTLE	USA
6:55.50	RITSUKO KUROSAWA	JPN	38.61	HIROMI SATO	JPN	1:42.34	JACKIE MARR	USA	800 M. FREE		
7:01.03	CHRISTIE HAYES	USA	41.33	JANET BROWN	GBR	1:44.35	MICHIE DOI	JPN	12:06.31	YOSHIKO OSAKI	JPN
7:05.62	INGEBORG SEIDEL	GER	41.65	CHRISTEL SCHULZ	GER	200 M. FLY			12:47.62	REIKO ISHIZAKI	JPN
7:10.40	MEEGAN WILSON	USA	41.99	JEN THOMASSON	AUS	3:22.22	HANNELORE ROSE	GER	12:49.76	HELGA REICH	GER
7:11.78	A SUSAN TYLER	USA	42.49	BARBARA FRID	USA	3:27.22	SILVANA ABREU	BRA	13:32.74	MARGA SCHULZE	GER
7:14.69	GINGER PIERSON	USA	42.92	BONNIE PRONK	CAN	3:36.05	JACKIE MARR	USA	13:52.52	BETSY JORDAN	USA
7:19.62	JANET GETTLING	USA	42.97	NORIKO YOSHIDA	JPN	3:43.58	LYNNE LUND	USA	14:07.58	ADRIENNE PIPES	USA
7:20.96	KATHRINE CASEY	USA	43.18	KAZUKO ITO	JPN	3:46.15	REIKO NAGASAKU	JPN	14:07.90	DENISE ROBERTSON	AUS
7:22.64	ROSA MONTAGUE	AUS	100 M. BACK			3:47.52	MONIKA SENFTLEBEN	GER	14:09.58	JUTTA SEIDL	GER
*****			1:24.35	MARGARET WILDING	GBR	3:52.69	GEORGINA HAMILTON	GBR	14:14.91	LOTTIE GEURTS	NED
*****			1:26.29	BONNIE PRONK	CAN	4:01.57	SALLY BOLAR	USA	14:16.07	SUMIRE ISHIHARA	JPN
*****			1:28.84	CHRISTEL SCHULZ	GER	4:03.59	SUSAN MEYERS	USA	1500 M. FREE		
*****			1:31.54	JANET BROWN	GBR	4:11.11	NORI NOMA	JPN	26:27.50	BETSY JORDAN	USA
*****			1:32.87	KAZUKO ITO	JPN	200 M. I.M.			26:56.67	ADRIENNE PIPES	USA
*****			1:34.12	GERDA WILLIAMS	AUS	3:03.53	BONNIE PRONK	CAN	27:06.08	DENISE ROBERTSON	AUS
*****			1:34.87	JOY WARD	USA	3:04.36	HANNELORE ROSE	GER	27:17.50	SUSAN BRADLEYCOX	USA
*****			1:35.16	SARAH KOPSKY	USA	3:05.12	CHRISTEL SCHULZ	GER	27:34.48	SUMIRE ISHIHARA	JPN
*****			1:35.95	NORIKO YOSHIDA	JPN	3:09.34	JACKIE MARR	USA	27:44.56	SUSAN LIVINGSTON	USA
*****			1:36.11	BARBARA FRID	USA	3:09.81	JEN THOMASSON	AUS	27:44.71	FUSAKO ENOMOTO	JPN
*****			200 M. BACK			3:15.11	SILVANA ABREU	BRA	27:54.77	JENNY BALL	GBR
*****			3:04.51	BONNIE PRONK	CAN	3:25.59	JOY WARD	USA	28:17.14	BARBARA LOVE	USA
*****			3:10.78	CHRISTEL SCHULZ	GER	3:27.37	KAZUKO ITO	GER	28:39.92	ATSUKO TAKEUCHI	JPN
*****			3:12.04	JACKIE MARR	USA	3:27.69	GERDA WILLIAMS	USA	50 M. BACK		
*****			3:18.12	JOY WARD	USA	3:28.61	SATOKO KAWATA	JPN	39.88	PAM HUTCHINGS	AUS
*****			3:18.34	JEN THOMASSON	AUS	400 M. I.M.			43.08	HAIKE HOLER	GER
*****			3:20.74	JANET BROWN	GBR	6:36.99	JACKIE MARR	USA	43.12	SHOKO YONEZAWA	JPN
*****			3:22.69	SARAH KOPSKY	USA	6:40.49	HANNELORE ROSE	GER	43.27	BETSY JORDAN	USA
*****			3:22.85	GERDA WILLIAMS	AUS	6:44.28	JEN THOMASSON	AUS	43.78	INGRID LANGE	GER
*****			3:23.47	KAZUKO ITO	JPN	6:48.38	SILVANA ABREU	BRA	43.91	KEIKO YAMADA	JPN
*****			3:26.59	NORIKO YOSHIDA	JPN	7:15.42	RENATE ZSCHOCKELT	GER	44.74	MISAO MATSUMOTO	JPN
*****			50 M. BRST			7:20.24	GERDA WILLIAMS	AUS	44.79	SUSAN LIVINGSTON	USA
*****			39.76	BONNIE PRONK	CAN	7:23.72	LYNNE LUND	USA	45.09	HELEN BIRD	AUS
*****			40.51	MONIKA SENFTLEBEN	GER	7:28.76	JOY WARD	USA	45.21	ALICE KINNAIRD	AUS
*****			42.32	DIANE FORD	GBR	7:34.33	MARIA H.PADILLA	BRA	100 M. BACK		
*****			42.46	ELAINE BROMWICH	GBR	7:35.72	SUSAN MEYERS	USA	1:29.85	PAM HUTCHINGS	AUS
*****			43.10	JOANN LEILICH	USA				1:35.81	BETSY JORDAN	USA
*****			43.97	JEN THOMASSON	AUS	*****			1:36.52	SUSAN LIVINGSTON	USA
*****			45.10	ROSEMARIE PAPKE	GER	*****			1:37.16	SHOKO YONEZAWA	JPN
*****			45.68	CHRISTINE PERFECT	GBR	*****			1:37.22	KEIKO YAMADA	JPN
*****			45.82	KAZUKO KAJIWARA	JPN	50 M. FREE			1:38.98	INGRID LANGE	GER
*****			45.94	MONIKA WARNUSZ	GER	34.10	PAM HUTCHINGS	AUS	1:38.99	TSUNEO YONEKURA	JPN
*****			100 M. BRST			34.38	OLGA KREJCI	SUI	1:39.03	BRENDA WALKER	GBR
*****			1:30.51	HANNELORE ROSE	GER	35.90	FUSAKO HIROOKA	JPN	1:39.76	HAIKE HOLER	GER
*****			1:31.63	BONNIE PRONK	CAN	35.97	KEIKO YAMADA	JPN	1:39.93	HELEN BIRD	AUS
*****			1:33.90	DIANE FORD	GBR	36.12	JEANNE LITTLE	USA	200 M. BACK		
*****			1:35.32	JEN THOMASSON	AUS	36.23	HISAKO SATO	JPN	3:26.45	BETSY JORDAN	USA
*****			1:35.64	ELAINE BROMWICH	GBR	36.25	BARBARA ZAREMSKI	USA	3:28.85	HARUMI SUGIMOTO	JPN
*****			1:36.20	MONIKA SENFTLEBEN	GER	36.90	HELGA REICH	GER	3:31.86	SUSAN LIVINGSTON	USA
*****			1:37.36	JOANN LEILICH	USA	36.93	KUMIE TOKUDA	JPN	3:32.45	KEIKO YAMADA	JPN
*****			1:38.24	MONIKA WARNUSZ	GER	37.10	SHOKO YONEZAWA	JPN	3:35.23	MISAO MATSUMOTO	JPN
*****			1:38.78	LUISE KNOPFLE	GER	100 M. FREE			3:36.96	HELEN BIRD	AUS
*****			1:38.96	SILVANA ABREU	BRA	1:13.79	YOSHIKO OSAKI	JPN	3:37.29	INGRID LANGE	GER
*****			200 M. BRST			1:17.82	PAM HUTCHINGS	AUS	3:37.30	BRENDA WALKER	GBR
*****			3:16.08	HANNELORE ROSE	GER	1:22.70	BARBARA ZAREMSKI	USA	3:38.55	PATRICIA BOND	USA
*****			3:20.22	BONNIE PRONK	CAN	1:23.16	HELGA REICH	GER	3:39.00	EVA JAROSOVA	CZE
*****			3:22.36	DIANE FORD	GBR	1:23.87	MIDGE KRAETZER	USA	50 M. BRST		
*****			3:26.43	ELAINE BROMWICH	GBR	1:24.76	HISAKO SATO	JPN	44.19	SHOKO YONEZAWA	JPN
*****			3:29.28	JOANN LEILICH	USA	1:24.93	KEIKO YAMADA	JPN	45.89	GABRIELLA TUCCI	ITA
*****			3:29.78	MONIKA SENFTLEBEN	GER	1:25.70	SHOKO YONEZAWA	JPN	46.10	MARGIT JEBE	USA
*****			3:30.00	SILVANA ABREU	BRA	1:26.29	MARGA SCHULZE	GER	46.11	MASAYO AZUMA	JPN
*****			3:32.69	MONIKA WARNUSZ	GER	1:26.31	FUSAKO HIROOKA	JPN	46.37	MARCELA STASTNA	CZE
*****			3:33.22	LUISE KNOPFLE	GER	200 M. FREE			46.37	OLGA KREJCI	SUI
*****			3:36.32	JUDITH VAN BERKEL	NED	2:49.16	YOSHIKO OSAKI	JPN	47.13	GISELA GRUNER	GER
*****			50 M. FLY			2:55.31	PAM HUTCHINGS	AUS	47.59	I.KEUSCH-RENNER	GER
*****			35.83	CHRISTEL SCHULZ	GER	3:00.29	HELGA REICH	GER	47.73	KUMIE TOKUDA	JPN
*****			36.20	MICHIE DOI	JPN	3:01.97	REIKO ISHIZAKI	JPN	47.75	ANNA SUMMERER	GER
*****			37.16	SARAH KOPSKY	USA	3:06.19	MIDGE KRAETZER	USA	100 M. BRST		
*****			37.27	JOY WARD	USA	3:07.48	ANN GRANTHAM	GBR	1:38.66	MASAYO AZUMA	JPN
*****			38.88	SILVANA ABREU	BRA	3:07.69	MARGA SCHULZE	GER	1:39.22	MARGIT JEBE	USA
*****			39.09	BARBARA FRID	USA	3:09.28	BARBARA ZAREMSKI	USA	1:40.63	SHOKO YONEZAWA	JPN
*****			39.66	KAYE BEER	AUS	3:09.63	BARBARA FENTIMAN	GBR	1:42.41	KEIKO YAMADA	JPN
*****			39.66	BONNIE PRONK	CAN	3:11.00	YURIKO NAGAMATSU	JPN	1:42.56	TAYO FUJIEDA	JPN
*****			39.67	IKUKO OKADO	JPN	400 M. FREE			1:43.17	KUMIE TOKUDA	JPN
*****			40.13	CHRISTINE PERFECT	GBR	5:46.27	YOSHIKO OSAKI	JPN	1:45.25	HIROKO OTANI	JPN
*****			100 M. FLY			6:15.47	REIKO ISHIZAKI	JPN	1:45.46	GABRIELLA TUCCI	ITA
*****			1:31.55	SILVANA ABREU	BRA	6:15.64	HELGA REICH	GER	1:46.62	SALLY NEWELL	USA
*****			1:33.79	BONNIE PRONK	CAN	6:23.97	PAM HUTCHINGS	AUS	1:46.82	MARCELA STASTNA	CZE
*****			1:35.03	LYNNE LUND	USA	6:31.68	BETSY JORDAN	USA	1:46.82	DIANE STOWELL	USA
*****			1:35.07	CHRISTINE PERFECT	GBR	6:32.66	MARGA SCHULZE	GER	200 M. BRST		
*****			1:36.29	JEN THOMASSON	AUS	6:38.53	TAYO FUJIEDA	JPN	3:31.44	MASAYO AZUMA	JPN
*****			1:39.27	JOY WARD	USA	6:38.84	ANN GRANTHAM	GBR	3:34.93	MARGIT JEBE	USA
*****			50 M. BACK								

World Masters Top 10

LCM (50 M)

3:39.88	TAYO FUJIEDA	JPN	1:34.99	KII SAITO	JPN	50 M. BRST	9:43.37	CHIYO FUKUSHIMA	JPN	
3:41.38	KUMIE TOKUDA	JPN	1:35.41	PAT NIBLETT	CAN	46.78 A. LEENE-RODAL	NZL	9:52.26	BOBBIE LEA	AUS
3:44.79	DIANE STOWELL	USA	1:35.58	MICHIKO OKUMURA	JPN	49.49 L. MOTSCHIEDLER	GER	10:05.96	TSURUYO TANAKA	JPN
3:47.20	HIROKO OTANI	JPN	1:36.19	MARLENE MENDES	BRA	49.70 SYLVIA EISELE	CAN	10:07.02	THELMA BRYAN	AUS
3:50.44	YUKO SAKAGAMI	JPN	1:36.63	TOSHIKO WADA	JPN	49.90 ANN HIRSCH	USA	10:10.04	ELVERA VICKERY	AUS
3:51.98	KEIKO YAMADA	JPN	1:36.85	ANN HIRSCH	USA	50.44 NORMA POWELL	CAN			
3:52.99	SALLY NEWELL	USA	200 M. FREE			52.70 CAROL TAYLOR	USA	*****		
3:53.01	INGRID SIEGERT	GER	2:54.79	JANE ASHER	GBR	52.80 ERIKA LOPES	BRA	WOMEN 75-79		
50 M. FLY			2:57.28	LAVELLE STOINOFF	USA	53.55 JARMILA REBICKOVA	CZE	*****		
37.54	YOSHIKO OSAKI	JPN	3:26.05	ITSUKO KOMURO	JPN	53.78 BARBARA MORTON	GBR	50 M. FREE		
37.67	HARUMI SUGIMOTO	JPN	3:26.37	MICHIKO OKUMURA	JPN	53.80 SETSUKO OKUBO	JPN	39.27	JEAN TROY	USA
38.31	HAIKE HOLER	GER	3:27.26	MIEKO MATSUKAWA	JPN	100 M. BRST		40.00	BRITT GRILLI	SWE
40.40	HISAKO SATO	JPN	3:27.32	ANN HIRSCH	USA	1:46.93 A. LEENE-RODAL	NZL	40.19	FLORENCE CARR	USA
42.27	MIDGE KRAETZER	USA	3:28.77	MARLENE MENDES	BRA	1:51.21 ANN HIRSCH	USA	41.52	MIEKO KAMOSHITA	JPN
42.47	HELGA REICH	GER	3:32.83	YASUKO GOTO	JPN	1:54.98 L. MOTSCHIEDLER	GER	41.62	EIKO MORI	JPN
42.75	MARCELA STASTNA	CZE	3:35.11	PAT NIBLETT	CAN	1:55.63 SETSUKO OKUBO	JPN	42.96	FUMIKO HIROOKA	JPN
43.09	GABRIELLA TUCCI	ITA	3:35.90	YOSHI OGATA	JPN	1:56.32 SYLVIA EISELE	CAN	43.33	M. CUNNINGHAM	AUS
43.42	JEANNE LITTLE	USA	400 M. FREE			1:56.49 NORMA POWELL	CAN	43.38	L. PARRINGTON	ZIM
43.92	FUMIKO NAKAMURA	JPN	6:11.92	LAVELLE STOINOFF	USA	1:59.87 JARMILA REBICKOVA	CZE	43.42	YOKO KOBAYASHI	JPN
100 M. FLY			6:14.80	JANE ASHER	GBR	2:00.27 NORIKO KIMURA	JPN	43.69	LIZ WALLIS	AUS
1:27.73	YOSHIKO OSAKI	JPN	7:09.52	MIEKO MATSUKAWA	JPN	2:01.48 TOSHIE YOSHIDA	JPN	100 M. FREE		
1:35.77	HELGA REICH	GER	7:14.03	ANN HIRSCH	USA	2:03.34 TOMIYO ISHIZU	JPN	1:29.02	JEAN TROY	USA
1:40.11	MIDGE KRAETZER	USA	7:19.65	YASUKO GOTO	JPN	200 M. BRST		1:33.01	BRITT GRILLI	SWE
1:41.96	HISAKO SATO	JPN	7:20.26	MARLENE MENDES	BRA	3:52.77 A. LEENE-RODAL	NZL	1:36.49	G. MCKENZIE-HICKS	AUS
1:43.82	MARGIT JEBE	USA	7:27.30	LIDA GASCHKE	USA	3:56.75 ANN HIRSCH	USA	1:39.20	KERSTIN GJORES	SWE
1:44.79	MARCELA STASTNA	CZE	7:27.42	YOSHI OGATA	JPN	4:16.88 SETSUKO OKUBO	JPN	1:39.31	LIZ WALLIS	AUS
1:46.86	GABRIELLA TUCCI	ITA	7:31.47	YOSHIKO KINOSHITA	JPN	4:19.50 TOSHIE YOSHIDA	JPN	1:39.66	M. CUNNINGHAM	AUS
1:47.60	BETSY JORDAN	USA	7:34.38	ROSAURA HERNANDEZ	MEX	4:22.65 NORIKO KIMURA	JPN	1:40.11	EIKO MORI	JPN
1:48.55	SUSAN LIVINGSTON	USA	800 M. FREE			4:26.15 A. MARIE JOLIVARD	FRA	1:40.30	FUMIKO HIROOKA	JPN
1:49.06	ENEDINA PEREIRA	BRA	12:57.12	LAVELLE STOINOFF	USA	4:28.53 SYLVIA EISELE	CAN	1:40.93	JUNE KRAUSER	USA
200 M. FLY			12:58.36	JANE ASHER	GBR	4:29.06 CAROL TAYLOR	USA	1:42.38	MIEKO KAMOSHITA	JPN
3:37.63	HELGA REICH	GER	14:36.86	MICHIKO OKUMURA	JPN	4:30.82 AIKO NAGATA	JPN	200 M. FREE		
3:55.12	ENEDINA PEREIRA	BRA	15:03.59	ANN HIRSCH	USA	4:37.67 ERIKA LOPES	BRA	3:17.42	JEAN TROY	USA
3:58.98	LUCILLE GRIFFIN	USA	15:07.32	DONNA MONROE	USA	50 M. FLY		3:25.72	BRITT GRILLI	SWE
3:59.39	SUSAN LIVINGSTON	USA	15:14.38	MARLENE MENDES	BRA	41.70 JANE ASHER	GBR	3:33.14	LIZ WALLIS	AUS
4:00.42	BETSY JORDAN	USA	15:16.79	LIDA GASCHKE	USA	45.94 GAIL ROPER	USA	3:34.58	G. MCKENZIE-HICKS	AUS
4:04.96	RITA ANDROSONI	ITA	15:25.34	YOSHIKO KINOSHITA	JPN	47.62 HIROKO KATANO	JPN	3:35.09	FUMIKO HIROOKA	JPN
4:17.49	INGRID SIEGERT	GER	15:32.17	DOROTHY DICKEY	AUS	48.76 KII SAITO	JPN	3:37.25	M. CUNNINGHAM	AUS
4:20.87	MASUNO MASUDA	JPN	15:40.50	MIEKO MATSUKAWA	JPN	49.36 NORMA POWELL	CAN	3:39.45	JUNE KRAUSER	USA
4:22.26	BARBARA LOVE	USA	1500 M. FREE			50.65 ELVERA VICKERY	AUS	3:48.53	EIKO MORI	JPN
4:25.39	TEIKO KUBOTA	JPN	24:24.13	LAVELLE STOINOFF	USA	51.35 ANN HIRSCH	USA	3:51.93	EVA-BRITT WIDAH	SWE
200 M. I. M.			27:38.67	MICHIKO OKUMURA	JPN	52.50 BARBARA CALLISON	USA	3:52.73	TOMIKO MAKITA	JPN
3:11.94	YOSHIKO OSAKI	JPN	28:30.95	LIDA GASCHKE	USA	52.57 BOBBIE LEA	AUS	400 M. FREE		
3:31.58	HELGA REICH	GER	29:47.15	DONNA MONROE	USA	53.58 SACHIKO NAKANISHI	JPN	7:18.78	JEAN TROY	USA
3:34.73	TAYO FUJIEDA	JPN	29:47.38	DOROTHY DICKEY	AUS	100 M. FLY		7:29.29	LIZ WALLIS	AUS
3:35.48	MARGIT JEBE	USA	29:56.79	JOAN CAMPBELL	USA	1:47.13 JANE ASHER	GBR	7:32.70	BRITT GRILLI	SWE
3:36.21	KEIKO YAMADA	JPN	30:26.11	CHIYO FUKUSHIMA	JPN	1:55.94 ANN HIRSCH	USA	7:36.06	G. MCKENZIE-HICKS	AUS
3:41.10	GABRIELLA TUCCI	ITA	30:50.61	SUGIYO MIYAZAKI	JPN	1:56.25 KII SAITO	JPN	7:40.93	JUNE KRAUSER	USA
3:42.88	TRICIA LIDDY	AUS	31:58.15	LOTTE MULLER	GER	2:00.52 HIROKO KATANO	JPN	7:52.35	FUMIKO HIROOKA	JPN
3:44.44	BETSY JORDAN	USA	32:27.39	NANCY DURSTEIN	USA	2:03.22 SYLVIA EISELE	CAN	8:02.88	CHIE TANI	JPN
3:44.47	ENEDINA PEREIRA	BRA	50 M. BACK			2:07.66 CHIYO FUKUSHIMA	JPN	8:07.27	TOMIKO MAKITA	JPN
3:44.78	SALLY NEWELL	USA	45.13	JANE ASHER	GBR	2:09.87 BOBBIE LEA	AUS	8:08.53	EVA-BRITT WIDAH	SWE
400 M. I. M.			47.53	JOAN PARNELL	CAN	2:11.32 TSURUYO TANAKA	JPN	8:29.10	FLORENCE CARR	USA
7:30.54	HELGA REICH	GER	48.11	KAZUKO KABASAWA	JPN	2:11.73 MARLENE MENDES	BRA	800 M. FREE		
7:35.49	BETSY JORDAN	USA	48.49	KIMIKO OOKA	JPN	2:12.05 TOKI SUWA	JPN	14:16.39	JEAN TROY	USA
7:49.55	JUTTA SEIDL	GER	49.37	MARLENE MENDES	BRA	200 M. FLY		14:50.66	BRITT GRILLI	SWE
7:53.19	SUSAN LIVINGSTON	USA	49.48	BARBARA JACKSON	USA	4:14.72 GAIL ROPER	USA	14:54.87	LIZ WALLIS	AUS
7:55.57	TRICIA LIDDY	AUS	49.76	WALTRAUD KOMLING	GER	4:20.88 ANN HIRSCH	USA	15:04.72	BETTY LORENZI	USA
8:09.70	ENEDINA PEREIRA	BRA	49.87	KEIKO FUJIMOTO	JPN	4:29.72 HIROKO KATANO	JPN	15:36.49	JUNE KRAUSER	USA
8:17.83	INGRID SIEGERT	GER	50.18	BARBARA MORTON	GBR	4:48.42 SYLVIA EISELE	CAN	15:53.82	G. MCKENZIE-HICKS	AUS
8:28.26	LUCILLE GRIFFIN	USA	50.48	LAVELLE STOINOFF	USA	4:55.45 CHIYO FUKUSHIMA	JPN	16:44.93	M. CUNNINGHAM	AUS
8:28.35	MITSUKO ENDO	JPN	100 M. BACK			5:01.19 BOBBIE LEA	AUS	16:52.64	EVA-BRITT WIDAH	SWE
8:32.11	HIROKO OGOSHI	JPN	1:40.88	LAVELLE STOINOFF	USA	5:13.15 THELMA BRYAN	AUS	17:31.37	MARIE COLLINS	NZL
			1:45.20	MARLENE MENDES	BRA	5:14.38 NANCY DURSTEIN	USA	17:38.15	CLARA AURIK	RSA
*****			1:48.48	KIMIKO OOKA	JPN	5:15.78 JOAN CAMPBELL	USA	1500 M. FREE		
*****			1:49.31	BARBARA JACKSON	USA	5:20.49 YOSHIKO KAMO	JPN	27:09.75	JEAN TROY	USA
*****			1:50.49	JOAN PARNELL	CAN	200 M. I. M.		28:56.44	BETTY LORENZI	USA
50 M. FREE			1:51.22	LIDA GASCHKE	USA	3:46.59 GAIL ROPER	USA	33:19.54	MARIE COLLINS	NZL
35.18	JANE ASHER	GBR	1:52.28	KEIKO FUJIMOTO	JPN	3:56.91 ANN HIRSCH	USA	35:29.19	IRENE D'AGOSTINO	USA
36.95	GAIL ROPER	USA	1:52.40	SUMIKO SUMITA	JPN	4:02.63 MICHIKO OKUMURA	JPN	35:32.52	VAL LINCOLN	AUS
38.93	KIMIKO YOSHINAGA	JPN	1:52.86	LORNA HARDING	GBR	4:05.63 NANCY KINNEY	USA	35:59.73	PEGGY SANBORN	USA
39.72	SACHIKO NAKANISHI	JPN	1:54.48	TAKAKO SATO	JPN	4:10.73 BARBARA CALLISON	USA	36:23.71	JOAN MCINTYRE	USA
39.75	MITSUKO KOMURA	JPN	200 M. BACK			4:12.78 HISAKO KOBAYASHI	JPN	36:36.31	HAZEL GILLBEE	AUS
40.34	MITSUKO KURUSHIMA	JPN	3:30.86	LAVELLE STOINOFF	USA	4:13.63 NORMA POWELL	CAN	37:18.57	NANCY REED	USA
40.78	KII SAITO	JPN	3:42.25	MARLENE MENDES	BRA	4:17.59 ELVERA VICKERY	AUS	38:35.67	CLARA SOTAK	USA
40.82	YOSHIKO YOSHIMURA	JPN	3:56.78	KIMIKO OOKA	JPN	4:19.30 LILLY KRON	USA	50 M. BACK		
41.42	MASAE KURATA	JPN	4:01.96	NANCY KINNEY	USA	4:22.95 YOSHIKO ITO	JPN	46.43	JOAN PARNELL	CAN
41.49	KEIKO FUJIMOTO	JPN	4:02.66	SUMIKO SUMITA	JPN	400 M. I. M.		47.60	EDITH BOHM	GER
100 M. FREE			4:03.71	LIDA GASCHKE	USA	8:16.80 ANN HIRSCH	USA	48.17	KERSTIN GJORES	SWE
1:18.46	JANE ASHER	GBR	4:04.42	ERIKA WUNSCH	GER	9:02.72 SYLVIA EISELE	CAN	48.45	BETTY LORENZI	USA
1:23.09	LAVELLE STOINOFF	USA	4:05.50	JOAN PARNELL	CAN	9:04.14 BARBARA CALLISON	USA	52.16	ASAKO MANINGO	USA
1:32.98	LIDA GASCHKE	USA	4:07.34	HISAKO KOBAYASHI	JPN	9:37.09 NANCY DURSTEIN	USA	52.68	RUZENA VYMAZALOVA	CZE
1:34.11	REIKO YAMAGUCHI	JPN	4:09.78	ANN HIRSCH	USA	9:43.14 JOAN CAMPBELL	USA	52.75	FLORENCE CARR	USA

World Masters Top 10

LCM (50 M)

53.83	OLIVE HALE	GBR	5:46.44	MARIANNA HAGAN	USA	20:38.66	LOUISE BOWERSOCK	USA	1:24.41	V. HAZELGROVE	AUS
53.85	YOKO KOBAYASHI	JPN	5:55.16	GLADYS OLSEN	USA	20:50.05	JOYCE O'FARRELL	AUS	1:32.16	BARBARA BOHM	GER
54.12	MARIE COLLINS	NZL	6:07.35	NORA RONAI	BRA	21:41.34	JAE HOWELL	USA	1:34.95	MARJORIE NEWMAN	USA
100 M. BACK			6:35.91	BETTY DUNN	USA	21:51.91	SIMONE BENOIT	FRA	1:35.07	MARY WIXTED	USA
1:42.81	JOAN PARNELL	CAN	7:33.85	RAY REEVES	AUS	22:13.74	NANCY AYRES	AUS	100 M. FLY		
1:45.59	BETTY LORENZI	USA	7:38.00	MARIAN WOLLE	USA	22:28.21	MARJORIE NEWMAN	USA	2:37.96	JAE HOWELL	USA
1:50.83	KERSTIN GJORES	SWE	8:28.46	JEANNE CRAWFORD	AUS	1500 M. FREE			2:47.79	JUNE REYNOLDS	USA
1:56.10	RUZENA VYMAZALOVA	CZE	8:52.33	GLORIA STUPFEL	USA	29:53.28	MARGERY MEYER	USA	2:50.66	NORMA RUDOLPH	AUS
1:59.50	JUNE KRAUSER	USA	200 M. I.M.			41:56.11	MARJORIE NEWMAN	USA	2:59.51	FUMI MURATA	JPN
2:00.02	ERIKA LANGE	GER	4:13.99	JUNE KRAUSER	USA	50 M. BACK			4:04.31	MARJORIE NEWMAN	USA
2:00.96	KAZUKO TAGUCHI	JPN	4:16.09	JEAN TROY	USA	51.43	BUNNY CEDERLUND	USA	4:40.83	MARY JANE SCHAFER	USA
2:01.25	OLIVE HALE	GBR	4:25.02	CHIE TANI	JPN	52.82	MARGERY MEYER	USA	5:11.71	ELFIE STEVENIN	USA
2:01.30	ASAKO MANINGO	USA	4:32.36	ERIKA LANGE	GER	55.23	JEANNE MERRYMAN	USA	200 M. FLY		
2:01.62	JOAN KIDD	GBR	4:47.82	BARBARA VICKERS	AUS	55.70	J. DRAKE-BROCKMAN	AUS	5:34.09	JAE HOWELL	USA
200 M. BACK			4:48.59	FLORENCE CARR	USA	56.22	SILVIA CRAVERI	ITA	6:02.07	NORMA RUDOLPH	AUS
3:49.73	JOAN PARNELL	CAN	4:56.38	Y.KAPLAN BADER	FRA	57.68	OLGA JOHNSON	NZL	6:05.25	JUNE REYNOLDS	USA
3:53.58	BETTY LORENZI	USA	5:00.48	DIXIE GERMOULUS	USA	58.01	REGAN KENNER	USA	11:38.19	ELFIE STEVENIN	USA
4:03.20	KERSTIN GJORES	SWE	5:03.83	TEIKO SATO	JPN	1:01.62	MICHIKO HAMURO	JPN	200 M. I.M.		
4:06.41	ERIKA LANGE	GER	5:15.17	MARIANNA HAGAN	USA	1:01.70	GRE SCHONBERGER	NED	5:11.48	FUMI MURATA	JPN
4:12.53	G.SCHOBEL-GRASS	GER	400 M. I.M.			1:01.97	HANA ENATSU	JPN	5:14.08	JUNE REYNOLDS	USA
4:19.50	SATO OHASHI	JPN	8:48.19	JUNE KRAUSER	USA	100 M. BACK			5:15.16	JAE HOWELL	USA
4:21.36	JOAN KIDD	GBR	9:04.69	JEAN TROY	USA	1:54.51	BUNNY CEDERLUND	USA	5:40.82	MICHIKO HAMURO	JPN
4:23.77	JUNE KRAUSER	USA	9:32.13	G.SCHOBEL-GRASS	GER	2:00.16	SILVIA CRAVERI	ITA	5:50.60	DIANA SILVA	USA
4:24.87	KAZUKO TAGUCHI	JPN	9:32.23	M. CUNNINGHAM	AUS	2:02.46	REGAN KENNER	USA	6:08.19	MAURINE KORNFELD	USA
4:31.38	PEGGY SANBORN	USA	11:12.94	FLORENCE CARR	USA	2:05.89	J. DRAKE-BROCKMAN	AUS	6:26.52	MARJORIE NEWMAN	USA
50 M. BRST			11:45.18	GLADYS OLSEN	USA	2:06.26	JEANNE MERRYMAN	USA	6:43.81	MARY WIXTED	USA
47.59	EDITH BOHM	GER	12:04.78	MARIANNA HAGAN	USA	2:08.49	NORMA BERNARDI	USA	7:05.88	KIYOMI KITAMURA	JPN
53.86	ERIKA LANGE	GER	12:05.12	JOAN GLARATON	USA	2:19.82	HIDEKO HANADA	JPN	7:15.41	MARY JANE SCHAFER	USA
54.02	JOAN PARNELL	CAN	12:28.82	BETTY DUNN	USA	2:22.30	ANNIE STOKER	NED	400 M. I.M.		
55.98	SAYOKO WATANABE	JPN	13:13.43	RAY REEVES	AUS	2:22.48	FUMI MURATA	JPN	11:08.67	JAE HOWELL	USA
57.14	YOKO KOBAYASHI	JPN				2:24.77	MAURINE KORNFELD	USA	11:38.68	JUNE REYNOLDS	USA
57.33	JOAN KIDD	GBR	*****			200 M. BACK			13:48.03	MARJORIE NEWMAN	USA
57.34	NOBUKO NAKAJIMA	JPN	*****	WOMEN 80-84		4:17.31	BUNNY CEDERLUND	USA	19:06.32	ELFIE STEVENIN	USA
58.05	HERTA SOMMERMEIER	GER	*****			4:19.47	REGAN KENNER	USA			
58.17	EIKO MORI	JPN	50 M. FREE			4:22.50	MARGERY MEYER	USA	*****		
58.36	JEAN TROY	USA	42.20	OLGA JOHNSON	NZL	4:27.39	SILVIA CRAVERI	ITA	*****	WOMEN 85-89	
100 M. BRST			42.84	MARGERY MEYER	USA	4:29.77	J. DRAKE-BROCKMAN	AUS	*****		
1:54.35	EDITH BOHM	GER	44.96	J. DRAKE-BROCKMAN	AUS	4:46.49	JEANNE MERRYMAN	USA	50 M. FREE		
2:02.55	ERIKA LANGE	GER	47.56	JEANNE MERRYMAN	USA	5:02.58	HIDEKO HANADA	JPN	49.08	RITA SIMONTON	USA
2:04.82	SAYOKO WATANABE	JPN	49.37	RUTH BAAR	USA	5:04.42	INGEBORG FRITZE	GER	56.34	URSULA OEHMKE	GER
2:05.10	EIKO MORI	JPN	49.55	BUNNY CEDERLUND	USA	5:08.76	MAURINE KORNFELD	USA	56.54	MARJORIE SHARPE	USA
2:06.44	YOKO KOBAYASHI	JPN	51.12	KANAE SATAKE	JPN	5:17.94	NORMA BERNARDI	USA	56.91	AUDREY ETIENNE	USA
2:08.78	JOAN KIDD	GBR	51.13	MAURINE KORNFELD	USA	50 M. BRST			1:01.77	WILLY VAN RYSEL	GBR
2:11.16	BARBARA VICKERS	AUS	51.77	HANA ENATSU	JPN	1:00.16	MICHELE GUILLAIS	FRA	1:01.85	KATH JOHNSTONE	NZL
2:11.69	G.SCHOBEL-GRASS	GER	51.81	JOYCE FAUNCE	AUS	1:03.25	INGEBORG FRITZE	GER	1:03.10	GERTRUD ZINT	USA
2:12.52	NICOLE SCHERLE	FRA	100 M. FREE			1:03.28	REGAN KENNER	USA	1:06.40	MARIE WICKLUN	USA
2:14.52	NOBUKO NAKAJIMA	JPN	1:44.61	MASAE SHIMURA	JPN	1:07.11	ANNELIESE POKER	GER	1:07.34	TOSHI KUBO	JPN
200 M. BRST			1:45.54	BUNNY CEDERLUND	USA	1:07.74	J. DRAKE-BROCKMAN	AUS	1:08.59	SONIA CARMONA	FRA
4:21.82	TERUKO ONO	JPN	1:45.72	OLGA JOHNSON	NZL	1:08.28	SUMIKO YANAGISAWA	JPN	100 M. FREE		
4:23.29	ERIKA LANGE	GER	1:51.37	RUTH BAAR	USA	1:09.40	JAE HOWELL	USA	1:48.75	RITA SIMONTON	USA
4:33.40	EIKO MORI	JPN	1:55.88	JEANNE MERRYMAN	USA	1:09.92	ANNIE STOKER	NED	1:59.78	MARJORIE SHARPE	USA
4:37.77	BARBARA VICKERS	AUS	2:04.63	MAURINE KORNFELD	USA	1:10.30	BARBARA BOHM	GER	2:07.47	AUDREY ETIENNE	USA
4:37.93	SAYOKO WATANABE	JPN	2:05.74	NANCY MITCHELL	AUS	1:11.31	MASAE SHIMURA	JPN	2:09.96	URSULA OEHMKE	GER
4:39.85	JOAN KIDD	GBR	2:06.25	M. CHIPPERFIELD	AUS	1:11.31	MICHIKO HAMURO	JPN	2:19.35	WILLY VAN RYSEL	GBR
4:40.61	G.SCHOBEL-GRASS	GER	2:06.26	LOUISE BOWERSOCK	USA	100 M. BRST			2:26.13	MARIA LENK-ZIGLER	USA
4:46.46	JUNE KRAUSER	USA	2:08.12	CANDIDA GANDOLPHO	BRA	2:19.06	REGAN KENNER	USA	2:30.84	TOSHI KUBO	JPN
4:56.53	NOBUKO NAKAJIMA	JPN	200 M. FREE			2:25.14	SUMIKO YANAGISAWA	JPN	2:34.44	KATH JOHNSTONE	NZL
4:59.28	JUSTINE BAMFORD	AUS	3:37.14	MARGERY MEYER	USA	2:32.01	INGEBORG FRITZE	GER	2:37.38	GERTRUD ZINT	USA
50 M. FLY			4:00.67	OLGA JOHNSON	NZL	2:33.80	FUMI MURATA	JPN	2:42.75	KAY SCHIMPF	USA
52.18	EDITH BOHM	GER	4:03.80	MASAE SHIMURA	JPN	2:34.77	ANNELIESE POKER	GER	200 M. FREE		
52.94	JEAN TROY	USA	4:10.80	RUTH BAAR	USA	2:34.98	JAE HOWELL	USA	3:59.68	RITA SIMONTON	USA
53.89	JUNE KRAUSER	USA	4:20.09	MAURINE KORNFELD	USA	2:38.37	MICHIKO HAMURO	JPN	4:20.42	MARJORIE SHARPE	USA
54.97	CHIE TANI	JPN	4:20.89	CANDIDA GANDOLPHO	BRA	2:39.80	NAKA FUKUOKA	JPN	4:44.01	AUDREY ETIENNE	USA
55.83	AKIKO ONOHARA	JPN	4:29.14	GRE SCHONBERGER	NED	2:42.64	ANNIE STOKER	NED	5:08.84	WILLY VAN RYSEL	GBR
56.89	M. CUNNINGHAM	AUS	4:34.26	LOUISE BOWERSOCK	USA	2:43.28	JUNE REYNOLDS	USA	5:20.03	GERTRUD ZINT	USA
1:01.86	NORA RONAI	BRA	4:36.14	JOYCE O'FARRELL	AUS	200 M. BRST			5:27.89	KAY SCHIMPF	USA
1:01.92	SHIZUE OKUDA	JPN	4:40.80	JUNE REYNOLDS	USA	4:56.18	REGAN KENNER	USA	5:31.70	MARIA LENK	BRA
1:03.17	MARIANNA HAGAN	USA	400 M. FREE			5:05.54	SUMIKO YANAGISAWA	JPN	5:35.21	KIKU ONO	JPN
1:03.81	LOIS KIWI NOCHMAN	USA	6:15.92	CANDIDA GANDOLPHO	BRA	5:30.96	MICHIKO HAMURO	JPN	5:39.11	YOSHIKO WATANABE	JPN
100 M. FLY			7:30.34	MARGERY MEYER	USA	5:38.68	JAE HOWELL	USA	6:24.45	BETH HANKS	USA
2:05.85	CHIE TANI	JPN	8:24.74	OLGA JOHNSON	NZL	5:46.19	GRE SCHONBERGER	NED	400 M. FREE		
2:07.21	JEAN TROY	USA	8:43.05	RUTH BAAR	USA	5:51.30	JUNE REYNOLDS	USA	8:17.82	RITA SIMONTON	USA
2:07.76	JUNE KRAUSER	USA	8:46.03	BUNNY CEDERLUND	USA	5:53.03	PAULINE STANGEL	USA	9:30.97	EDITH THEIN	ISR
2:20.24	Y.KAPLAN BADER	FRA	9:16.08	FUMI MURATA	JPN	5:55.28	INGEBORG FRITZE	GER	10:45.73	WILLY VAN RYSEL	GBR
2:25.51	LOIS KIWI NOCHMAN	USA	9:16.58	MAURINE KORNFELD	USA	5:55.85	ANNIE STOKER	NED	10:46.64	AUDREY ETIENNE	USA
2:27.14	MARIANNA HAGAN	USA	9:35.76	LOUISE BOWERSOCK	USA	5:56.74	BARBARA BOHM	GER	10:54.05	MARIA LENK-ZIGLER	USA
2:36.16	G.SCHOBEL-GRASS	GER	9:49.92	JOYCE O'FARRELL	AUS	50 M. FLY			11:01.93	KIKU ONO	JPN
2:37.45	SHIZUE OKUDA	JPN	10:25.76	SIMONE BENOIT	FRA	1:07.20	JUNE REYNOLDS	USA	11:55.26	GERTRUDE ZINT	USA
2:40.15	NORA RONAI	BRA	800 M. FREE			1:08.67	JAE HOWELL	USA	12:04.23	KAY SCHIMPF	USA
2:46.70	BETTY DUNN	USA	15:21.62	MARGERY MEYER	USA	1:13.69	JEANNE MERRYMAN	USA	13:09.55	MARY LATHRAM	USA
200 M. FLY			17:08.50	BUNNY CEDERLUND	USA	1:14.39	DIANA SILVA	USA	13:21.65	YOSHIKO WATANABE	JPN
4:44.97	JUNE KRAUSER	USA	19:37.63	NORMA RUDOLPH	AUS	1:16.36	NORMA RUDOLPH	AUS	800 M. FREE		
5:11.87	LOIS KIWI NOCHMAN	USA	20:32.58	CHIYOKO TAKIZAWA	JPN	1:22.84	M. CHIPPERFIELD	AUS	17:14.24	RITA SIMONTON	USA

World Masters Top 10

LCM (50 M)

22:17.34	WILLY VAN RYSEL	GBR	6:30.92	EDITH GLUSAC	USA	53.86	CHRISTOPH BUHLER	SUI	29.98	SATORU UMEZAKI	JPN
23:10.26	MARIA LENK-ZIGLER	USA	7:26.07	KAY SCHIMPF	USA	54.13	ADAM CONWAY	USA	30.22	TAKASHI HIRAKAWA	JPN
23:46.74	KAY SCHIMPF	USA	10:59.68	HILDA BUEL	USA	54.15	SASCHA JANITZKI	GER	30.56	HERMAN LOUW	USA
24:26.73	KATH JOHNSTONE	NZL	400 M. I.M.			200 M. FREE			30.64	BRIAN JACOBSON	USA
25:13.40	GERTRUDE ZINT	USA	13:38.34	GERTRUDE ZINT	USA	1:56.00	ANDREW MANLEY	GBR	30.73	T.YATSUSHIRO	JPN
27:14.02	MARY LATHRAM	USA				1:56.61	PHILIPP GILGEN	SUI	30.83	GREGORY MAZERIS	FRA
	1500 M. FREE				*****	1:58.67	GILBERTO RIVAS	PUR	30.83	SCOTT CAMPEA	USA
32:33.60	RITA SIMONTON	USA		WOMEN 90-94		1:58.70	IVES GARCIA	PUR	30.87	M.SAKAKIBARA	JPN
45:05.23	KAY SCHIMPF	USA		*****		1:59.36	KIMITAKA MINOBE	JPN	100 M. BRST		
48:19.78	KATH JOHNSTONE	NZL	50 M. FREE			1:59.62	HIROFUMI NAKAGAWA	JPN	1:05.80	JEFF COMMINGS	USA
49:57.16	MARY LATHRAM	USA	1:13.32	MARGO BATES	AUS	2:00.12	Y.BURGHGRAEVE	FRA	1:07.11	SCOTT CAMPEA	USA
	50 M. BACK		1:15.04	SHIZUE SHIMIZU	JPN	2:00.44	BENOIT MONPION	FRA	1:07.65	ENNIO FRANCO	ITA
1:01.02	EDITH THEIN	ISR	1:19.69	RINA DAVOGLIO	ITA	2:00.48	FRANK BYSKOV	USA	1:07.69	BASTIAN KAMPMANN	GER
1:01.67	WILLY VAN RYSEL	GBR	1:33.18	DOROTHY RIORDAN	USA	2:01.01	GREG ORPHANIDES	GBR	1:07.76	STUART NOTMAN	GBR
1:04.34	MARJORIE SHARPE	USA	1:34.58	BETTY JONES	AUS	400 M. FREE			1:08.07	GREGORY MAZERIS	FRA
1:10.42	GERTRUD ZINT	USA	1:53.31	BERNARDA ANGULO	ESP	4:13.04	KIMITAKA MINOBE	JPN	1:09.03	M.MICHAELSEN	GER
1:12.14	AUDREY ETIENNE	USA	2:19.74	ROSA SELLARES	ESP	4:16.01	GREG ORPHANIDES	GBR	1:09.32	YASUNOBU KUSUDA	JPN
1:12.98	YOSHIKO WATANABE	JPN	2:28.75	ELIZABETH DZIADUS	USA	4:16.94	IVES GARCIA	PUR	1:09.33	TAKASHI HIRAKAWA	JPN
1:13.97	EDITH GLUSAC	USA	100 M. FREE			4:17.15	GILBERTO RIVAS	PUR	1:09.73	MASANAO IWATA	JPN
1:14.20	MARY LATHRAM	USA	2:24.63	JULIA DOLCE	USA	4:18.15	Y.BURGHGRAEVE	FRA	200 M. BRST		
1:15.49	MARIE WICKLUN	USA	2:45.35	MAXINE MERLINO	USA	4:18.90	PHILIPP GILGEN	SUI	2:26.84	GREGORY MAZERIS	FRA
1:17.83	MISAO KOBAYASHI	JPN	2:58.62	MARGO BATES	AUS	4:20.52	JASON EADDY	USA	2:28.74	CLAUDE NEMURAT	FRA
	100 M. BACK		3:40.99	DOROTHY RIORDAN	USA	4:21.47	FRANK BYSKOV	USA	2:29.04	STUART NOTMAN	GBR
2:12.05	EDITH THEIN	ISR	4:28.21	BERNARDA ANGULO	ESP	4:23.21	IGNACIO DIEZ	ESP	2:29.48	SCOTT CAMPEA	USA
2:18.45	WILLY VAN RYSEL	GBR	200 M. FREE			4:23.66	JOEL DUCKHAM	GBR	2:30.32	SIMONE BATTISTON	ITA
2:32.51	MARIA LENK	BRA	5:32.06	JULIA DOLCE	USA	800 M. FREE			2:31.90	JOEL DUCKHAM	GBR
2:35.99	EDITH GLUSAC	USA	5:44.57	MAXINE MERLINO	USA	8:45.45	PHILIPP GILGEN	SUI	2:32.45	ENNIO FRANCO	ITA
2:39.29	MARIE WICKLUN	USA	6:15.08	MARGO BATES	AUS	8:45.70	GREG ORPHANIDES	GBR	2:32.75	YASUNOBU KUSUDA	JPN
2:39.40	YOSHIKO WATANABE	JPN	9:03.86	BERNARDA ANGULO	ESP	8:54.45	IVES GARCIA	PUR	2:33.23	SASCHA JANITZKI	GER
2:46.62	AUDREY ETIENNE	USA	400 M. FREE			8:54.52	GILBERTO RIVAS	PUR	2:35.96	DENNY CIMATTI	BRA
2:47.14	GERTRUD ZINT	USA	11:47.10	MAXINE MERLINO	USA	9:00.60	ALEXIS COULON	FRA	50 M. FLY		
2:57.62	MARY LATHRAM	USA	800 M. FREE			9:01.26	NICOLAS LECOEUR	FRA	25.67	JASON EADDY	USA
3:01.45	SONIA CARMONA	FRA	24:04.97	MAXINE MERLINO	USA	9:03.06	JASON EADDY	USA	25.79	ADAM CONWAY	USA
	200 M. BACK		41:52.97	BERNARDA ANGULO	ESP	9:09.72	IGNACIO DIEZ	ESP	25.90	SVEN GROSSE	GER
4:29.16	EDITH THEIN	ISR	1500 M. FREE			9:14.15	UWE STEINKOTTER	GER	26.05	LORENZ LIECHTI	SUI
5:01.61	MARJORIE SHARPE	USA	45:53.54	MAXINE MERLINO	USA	9:16.33	BRIAN FURLONG	USA	26.17	CHRISTOPH BUHLER	SUI
5:06.95	MARIA LENK-ZIGLER	USA	50 M. BACK			1500 M. FREE			26.20	FERNANDO SAEZ	BRA
5:09.84	WILLY VAN RYSEL	GBR	1:17.68	EVA MULLER	USA	17:32.23	UWE STEINKOTTER	GER	26.23	PHILIPP GILGEN	SUI
5:29.06	EDITH GLUSAC	USA	1:20.22	RINA DAVOGLIO	ITA	17:39.59	JASON EADDY	USA	26.33	SHINICHI KAWATO	JPN
5:39.60	MARIE WICKLUN	USA	1:40.40	KIYOKO KANO	JPN	17:52.99	MARTIN PATTISON	NZL	26.35	DAVIDE AMBROSI	ITA
5:54.65	GERTRUD ZINT	USA	1:54.11	BERNARDA ANGULO	ESP	18:06.92	MARCO TRECALI	ITA	26.42	CASPER HUT	NED
6:20.88	MARY LATHRAM	USA	1:54.35	DOROTHY RIORDAN	USA	18:14.90	BRIAN FURLONG	USA	100 M. FLY		
6:43.10	KAY SCHIMPF	USA	1:55.65	ROSA SELLARES	ESP	18:18.50	DIEGO TADDEI	ITA	56.42	JASON EADDY	USA
6:46.33	BETH HANKS	USA	2:20.01	MARGO BATES	AUS	18:25.78	CHRIS SULLIVAN	USA	56.88	ADAM CONWAY	USA
	50 M. BRST		2:40.47	ELIZABETH DZIADUS	USA	18:25.99	LEANDRO SOUZA	BRA	56.95	SVEN GROSSE	GER
1:12.12	RITA SIMONTON	USA	100 M. BACK			18:26.13	FABIO COSTA	BRA	57.06	PHILIPP GILGEN	SUI
1:15.09	GERTRUD ZINT	USA	3:50.60	SHIZUE SHIMIZU	JPN	18:28.90	RAFFAELLO CLAVARI	ITA	58.07	KIMITAKA MINOBE	JPN
1:16.37	EDITH GLUSAC	USA	4:22.11	BERNARDA ANGULO	ESP	50 M. BACK			58.31	THOMAS EHRHARDT	GER
1:26.04	SALLY JOY	USA	4:27.74	DOROTHY RIORDAN	USA	27.09	LEONARDO GOMES	BRA	58.41	FRANK RUDOLPH	GER
1:29.84	AUDREY ETIENNE	USA	5:18.24	MARGO BATES	AUS	27.18	THORSTEN HERRMANN	GER	58.45	ANDREW MANLEY	GBR
1:36.25	HIROKO TSUCHIYA	JPN	200 M. BACK			27.81	TAKATOSHI NUMATA	JPN	58.51	DAVIDE AMBROSI	ITA
1:43.55	EMILY GODSALL	GBR	6:28.70	EVA MULLER	USA	27.84	JEFF COMMINGS	USA	58.54	HIROKI NAKAZONO	JPN
1:46.91	KAY SCHIMPF	USA	8:46.63	BERNARDA ANGULO	ESP	28.46	JEROME FAROUZE	FRA	200 M. FLY		
1:47.28	LUZIA CARACCILOLO	BRA	50 M. BRST			28.56	HECTOR PEREZ	PUR	2:04.14	KIMITAKA MINOBE	JPN
1:48.93	MARY GARTON	AUS	3:11.13	RINA DAVOGLIO	ITA	29.02	CHRISTOPHER REEVE	GBR	2:05.26	PHILIPP GILGEN	SUI
	100 M. BRST		3:39.08	ROSA SELLARES	ESP	29.05	SVEN WILLECKE	GER	2:07.30	JASON EADDY	USA
2:42.95	RITA SIMONTON	USA	100 M. BRST			29.13	STEPHANE HERNOIU	FRA	2:12.48	UWE STEINKOTTER	GER
3:01.47	GERTRUD ZINT	USA	3:49.99	EVA MULLER	USA	29.15	T.TSUNEHARA	JPN	2:15.42	A.FRANCESCANGELI	ITA
3:01.59	EDITH GLUSAC	USA	200 M. I.M.			100 M. BACK			2:15.59	DEVIN HOWARD	GBR
3:01.63	MARIA LENK	BRA	6:35.70	MAXINE MERLINO	USA	59.62	KAZUYA KUROSU	JPN	2:15.80	BRIAN FURLONG	USA
3:47.29	KAY SCHIMPF	USA				59.86	JEFF COMMINGS	USA	2:17.14	BjØRN HOLTAN	USA
3:55.25	EMILY GODSALL	GBR	*****			1:00.11	KENTARO NAKAMURA	JPN	2:17.18	IVES GARCIA	PUR
3:56.25	MARY GARTON	AUS	M E N 25-29			1:00.47	LEONARDO GOMES	BRA	2:17.82	RAFFAELLO CLAVARI	ITA
4:13.93	MARY JANE REEVES	USA	*****			1:00.53	THORSTEN HERRMANN	GER	200 M. I.M.		
5:57.11	HILDA BUEL	USA	50 M. FREE			1:00.96	JEROME FAROUZE	FRA	2:10.44	KAZUYA KUROSU	JPN
	200 M. BRST		23.95	SVEN GROSSE	GER	1:01.97	PAULO HORMOS	BRA	2:13.28	ANDREW MANLEY	GBR
6:00.81	RITA SIMONTON	USA	23.99	ANDREW MANLEY	GBR	1:01.97	JASON EADDY	USA	2:15.81	EDUARDO SCHIESARI	BRA
6:06.97	MARIA LENK-ZIGLER	USA	24.04	BRIAN JACOBSON	USA	1:02.65	FABIO COSTA	BRA	2:15.86	ANDREAS FRIEDRICH	GER
6:32.82	GERTRUDE ZINT	USA	24.08	PAULO HORMOS	BRA	1:02.85	LEONARDO FIESCHI	ITA	2:16.22	SASCHA JANITZKI	GER
8:19.05	EMILY GODSALL	GBR	24.09	CHRISTOPH BUHLER	SUI	200 M. BACK			2:16.29	STUART NOTMAN	GBR
8:31.54	KAY SCHIMPF	USA	24.15	CASPER HUT	NED	2:09.13	JEROME FAROUZE	FRA	2:16.33	FRANK BYSKOV	USA
8:53.05	MARY GARTON	AUS	24.54	M.MICHAELSEN	GER	2:13.88	JASON EADDY	USA	2:16.59	JEFF COMMINGS	USA
9:01.95	KATH JOHNSTONE	NZL	24.64	PHILIPP GILGEN	SUI	2:14.61	GREG ORPHANIDES	GBR	2:16.73	M.CASSOL	ITA
11:56.84	HILDA BUEL	USA	24.66	FABIO BATISTA	BRA	2:16.05	DENNIS BROUWERS	NED	2:16.75	JOEL DUCKHAM	GBR
	50 M. FLY		24.78	STUART NOTMAN	GBR	2:16.42	FABIO AFFRICANO	ITA	400 M. I.M.		
1:27.57	EDITH GLUSAC	USA	100 M. FREE			2:16.68	KENTARO NAKAMURA	JPN	4:52.29	JOEL DUCKHAM	GBR
1:45.20	KAY SCHIMPF	USA	51.94	SVEN GROSSE	GER	2:18.64	LEONARDO FIESCHI	ITA	4:52.65	M.CASSOL	ITA
1:47.35	GERTRUD ZINT	USA	51.96	ANDREW MANLEY	GBR	2:19.15	FABIO COSTA	BRA	4:54.84	SASCHA JANITZKI	GER
	100 M. FLY		52.28	PHILIPP GILGEN	SUI	2:19.65	KEITH FUHRHOP	USA	4:55.48	FRANK BYSKOV	USA
3:25.00	EDITH GLUSAC	USA	52.29	EDUARDO SCHIESARI	BRA	2:19.71	VINCENT TURPIN	FRA	4:56.79	BRIAN FURLONG	USA
4:12.83	GERTRUD ZINT	USA	52.90	KLAUS HUEZ	ITA	50 M. BRST			4:57.44	FABIO COSTA	BRA
	200 M. I.M.		53.01	FERNANDO SAEZ	BRA	29.30	BASTIAN KAMPMANN	GER	5:00.26	UWE STEINKOTTER	GER
6:24.32	GERTRUDE ZINT	USA	53.10	P.KUTSCHER	GER	29.52	JEFF COMMINGS	USA	5:03.07	ANDREAS FRIEDRICH	GER

World Masters Top 10 LCM (50 M)

5:05.40	TIM SPIWOKS	GER	100 M.	BACK	2:21.85	IVAN NEGRON	USA	9:15.05	MANFRED KODER	GER
5:08.16	A.ANGELOTTI	BRA	1:00.80	Y.NAKAHARA	2:22.77	DAVID MAYNARD	GBR	9:18.52	RICHARD PEASE	USA
			1:02.34	SCOTT REED	2:23.43	RENE BEETSMA	NED	9:23.75	DOUG STEWART	USA

	M E N 30-34		1:02.82	ANDREAS DENCKER	2:23.49	HIROYUKI NAKAMURA	JPN	1500 M.	FREE	
			1:02.90	RENE SAEZ	2:24.66	DONAL HORGAN	ITA	16:50.83	ERIK HOCHSTEIN	USA

	50 M. FREE		1:02.91	R.LOCOCOCIOLO	200 M.	I.M.		17:10.80	CHRISTOPHER BLACK	USA
23.92	SVEN GUSKE	GER	1:03.06	CURTIS SAWIN	2:15.72	C.BATTISTINI	ITA	17:11.89	GEOFFREY GLASER	USA
24.29	MAKIO ENDO	JPN	1:03.40	MARCO RUSSO	2:16.17	Y.NAKAHARA	JPN	17:15.37	BENEDIKT NOSS	GER
24.57	JOCHEN BRUHA	GER	1:03.49	EMILIANO ASSANDRI	2:16.73	SCOTT REED	USA	17:28.05	RAUL JUNIOR	BRA
24.62	TORSTEN SCHEUNERT	GER	1:03.74	JEFFREY RODDIN	2:16.86	CYRIL CAVAGNA	FRA	17:31.80	CUSTODIO RIBEIRO	BRA
24.82	MICHIRU KITANO	JPN	1:03.87	MARCO ORSINI	2:17.27	GREGORY LATTA	USA	17:38.70	MARCO POMPONI	ITA
24.99	ROY SINCLAIR	GBR	200 M.	BACK	2:17.41	MATTHIAS MILLERS	GER	17:39.43	MANFRED KODER	GER
25.00	CURTIS SAWIN	USA	2:13.49	SCOTT REED	2:18.48	JOSEP M BARDI	ESP	17:42.47	TAKASHI SUGISAWA	JPN
25.04	CYRIL CAVAGNA	FRA	2:16.93	EMILIANO ASSANDRI	2:19.42	MARTIN DOUGLAS	GBR	17:44.13	DOUGLAS STEWART	USA
25.12	MICHAEL SORENSEN	USA	2:18.60	MARCO RUSSO	2:20.14	CURTIS SAWIN	USA	50 M.	BACK	
25.17	MICHAEL GALLAGHER	USA	2:19.68	MATTHEW MCKAY	2:21.06	GIUSEPPE BANDINU	ITA	29.00	BRUNO ESPOSITO	ITA
100 M. FREE			2:20.92	ANDREW FARRELL	400 M.	I.M.		29.20	SERGE DINANE	FRA
53.01	JOCHEN BRUHA	GER	2:22.23	MARTIN DOUGLAS	4:55.22	MATTHIAS MILLERS	GER	29.34	ANDREA TOJA	ITA
53.44	SVEN GUSKE	GER	2:23.14	K.SEKIGUCHI	5:00.72	SCOTT REED	USA	29.38	SVEN LODZIEWSKI	GER
54.52	MARK JONES	GBR	2:23.81	JEFFREY RODDIN	5:02.91	MATT KELLER	USA	29.54	DAVID POWERS	USA
54.75	C.BATTISTINI	ITA	2:24.36	JON PAUOLE	5:03.10	KENJI UMEDA	JPN	29.56	PETER MCKINNON	CAN
54.96	TADAO INEYAMA	JPN	2:25.24	MATTHIAS MILLERS	5:08.44	DANIELE BUZZETTI	ITA	29.70	THOMAS FLEMMING	JPN
55.11	TODD OAKES	USA	50 M.	BRST	5:09.04	ANDRE WRASSE	GER	29.72	MICHAEL HALFACKRE	USA
55.17	R.LOCOCOCIOLO	ITA	29.38	HIDEAKI TOGO	5:09.19	GIUSEPPE BANDINU	ITA	29.87	THOMAS DOCKHORN	GER
55.31	JOHN BRADLEY	GBR	30.31	SVEN GUSKE	5:10.73	MATTHEW KINNEY	USA	29.94	GEORG GUNTHER	GER
55.72	ANDREAS DENCKER	SWE	30.62	RICARDO BENASAYAG	5:11.93	DONAL HORGAN	ITA	100 M.	BACK	
55.83	THIERRY LELEUCH	FRA	30.86	YASUHIRO KOMORI	5:13.16	A.JANITZKI	GER	1:00.44	RONALD KARNAUGH	USA
200 M. FREE			31.09	NARIHITO WAKUI	*****	*****		1:02.08	DANIEL VEATCH	USA
1:57.91	TADAO INEYAMA	JPN	31.10	ALEX SKABKIN				1:02.66	NICOLAS GRANGER	FRA
1:57.94	JOCHEN BRUHA	GER	31.28	EMILIANO GALLAZZI				1:03.21	DAVID POWERS	USA
2:00.27	C.BATTISTINI	ITA	31.35	HEINZ FISSNEIDER				1:03.53	BRUNO ESPOSITO	ITA
2:01.34	CYRIL CAVAGNA	FRA	31.40	KAZUNORI YOKOI				1:03.80	EMAD ELSHAFEI	USA
2:02.20	ANDREW FARRELL	USA	31.41	DENNIS RICHTER				1:04.26	JULIO LOPEZ	BRA
2:03.58	RALPH LEIHERR	GER	100 M.	BRST	23.96	SVEN LODZIEWSKI	GER	1:04.26	WOJTECH BLECHAR	GER
2:03.84	FLORENT VILLETTE	FRA	1:06.89	HIDEAKI TOGO	24.82	LAURENT NEUVILLE	FRA	1:04.29	GIUSEPPE TIANO	ITA
2:04.74	BRAM TESTER	USA	1:07.28	NICK POLKINGHORNE	24.87	MARCEL EKKELEBOOM	GER	1:04.59	TOSHIHIRO KONDO	JPN
2:05.05	PETR VESELY	CZE	1:09.58	THIERRY GOETZ	24.90	MARCO CONTI	ITA	200 M.	BACK	
2:05.20	JOHN BRADLEY	GBR	1:10.05	KENNETH CAWOOD	24.90	KEITH KAPLAN	USA	2:10.93	RONALD KARNAUGH	USA
400 M. FREE			1:10.17	MARTIN DOUGLAS	24.96	CRISTIANO BALDINI	ITA	2:14.16	DANIEL VEATCH	USA
4:08.53	SEBASTIAN WIESE	GER	1:10.24	NARIHITO WAKUI	25.04	ALLAN KELSEY	USA	2:16.57	ERIK HOCHSTEIN	USA
4:19.28	C.BATTISTINI	ITA	1:10.26	RAY SMITH	25.12	ROSS DAVIS	USA	2:17.36	WOJTECH BLECHAR	GER
4:20.06	MATT KELLER	USA	1:10.88	RICARDO BENASAYAG	25.15	KEVIN HARRISON	GBR	2:17.82	PETER BERMEL	GER
4:20.35	SCOTT REED	USA	1:10.89	ALESSANDRO VISINI	100 M.	FREE		2:18.91	PAUL LEMMON	AUS
4:22.82	CYRIL CAVAGNA	FRA	1:10.98	NEIL KEMP	52.71	SVEN LODZIEWSKI	GER	2:18.97	JEFFREY UTSCH	USA
4:23.33	FABRIZIO LEONARDI	ITA	200 M.	BRST	53.07	M.GIALDI	ITA	2:20.02	MAURO TORRI	ITA
4:23.57	COLIN OVINGTON	GBR	2:31.73	NICK POLKINGHORNE	53.84	HENRY CLARK	USA	2:20.35	KURT DICKSON	USA
4:25.05	ANDREW FARRELL	USA	2:33.75	MARTIN DOUGLAS	54.19	ERIK HOCHSTEIN	USA	2:21.19	EMAD ELSHAFEI	USA
4:25.84	RALPH LEIHERR	GER	2:34.65	NEIL KEMP	54.24	MARCEL EKKELEBOOM	GER	50 M.	BRST	
4:26.23	NICOLAS DUBREUIL	FRA	2:34.97	NARIHITO WAKUI	54.58	ANDREA CORSO	ITA	30.52	NICK GILLINGHAM	GBR
800 M. FREE			2:36.27	KENICHIRO TSUKUI	54.88	KEITH KAPLAN	USA	30.99	CICERO TORTELI	BRA
8:49.80	SEBASTIAN WIESE	GER	2:38.06	MATTHEW KINNEY	55.19	MICHELE BERNARDI	ITA	31.11	EMMANUEL FOUICART	FRA
8:56.33	NICOLAS DUBREUIL	FRA	2:38.17	GIUSEPPE BANDINU	55.23	LAURENT NEUVILLE	FRA	31.23	MICHAEL RUFFNER	USA
9:00.65	COLIN OVINGTON	GBR	2:38.62	NIGEL MASTERS	55.25	GEOFFREY GLASER	USA	31.33	GEORG MILLER	SUI
9:00.77	MATT KELLER	USA	2:38.94	FABRIZIO LEONARDI	200 M.	FREE		31.56	FRANK BAHR	GER
9:07.99	SCOTT REED	USA	2:39.01	MATTHIAS MILLERS	1:56.02	RONALD KARNAUGH	USA	31.67	TSUYOSHI KATO	JPN
9:08.50	JAN GRAFE	GER	50 M.	FLY	1:57.37	ERIK HOCHSTEIN	USA	31.71	LUCA NATALE	ITA
9:12.94	ROBERTO VENIER	ITA	25.75	MAKIO ENDO	1:58.95	HENRY CLARK	USA	31.72	YOZO FUJII	JPN
9:13.90	MATTEO AMMANNATI	ITA	25.96	JON WINTER	2:00.80	STUART CROMARTY	USA	31.77	SEAN FRAMPTON	USA
9:15.04	YANN CORDIER	FRA	26.07	MASAKATSU USAMI	2:01.08	DANIEL VEATCH	USA	100 M.	BRST	
9:16.25	JUSTIN PALFREY	GBR	26.11	MARK JONES	2:02.04	MARK MAGEE	USA	1:05.63	RONALD KARNAUGH	USA
1500 M. FREE			26.14	MASATERU IKEDA	2:02.34	BENEDIKT NOSS	GER	1:06.09	NICK GILLINGHAM	GBR
16:35.67	SEBASTIAN WIESE	GER	26.24	JOCHEN BRUHA	2:02.50	RICHARD PEASE	USA	1:08.38	ALBERTO MONTINI	ITA
17:21.55	COLIN OVINGTON	GBR	26.28	MICHAEL SORENSEN	2:02.57	ALAIN BELLAGUET	FRA	1:09.72	MICHAEL RUFFNER	USA
17:29.86	MATT KELLER	USA	26.28	CURTIS SAWIN	2:02.59	MANFRED KODER	GER	1:10.08	SEAN FRAMPTON	USA
17:33.32	JAN GRAFE	GER	26.35	NEILL WILLIAMS	400 M.	FREE		1:10.25	EMMANUEL FOUICART	FRA
17:42.30	ROBERTO VENIER	ITA	26.39	SHIGEHO NAKAYAMA	4:10.31	ERIK HOCHSTEIN	USA	1:10.80	NEILL WILLIAMS	USA
17:43.42	FRANCK DECOUDIN	FRA	100 M.	FLY	4:17.50	BENEDIKT NOSS	GER	1:11.02	MASSIMO BUSIGNANI	ITA
17:49.13	FABRIZIO LEONARDI	ITA	57.52	MASAKATSU USAMI	4:17.61	STUART CROMARTY	USA	1:11.42	YOZO FUJII	JPN
17:52.22	JUSTIN PALFREY	GBR	57.87	MICHAEL SORENSEN	4:18.48	MIKE SHAFER	USA	1:11.55	MANFRED KODER	GER
17:52.50	MATTHIAS MILLERS	GER	59.13	HIROYUKI NAKATANI	4:18.57	GEOFFREY GLASER	USA	200 M.	BRST	
18:00.04	TODD MENZEL	USA	59.59	CURTIS SAWIN	4:20.19	MARK MAGEE	USA	2:24.94	RONALD KARNAUGH	USA
50 M. BACK			59.82	JEFFREY RODDIN	4:21.48	PAUL LEMMON	AUS	2:25.76	NICK GILLINGHAM	GBR
28.08	Y.NAKAHARA	JPN	59.98	ANDRE WRASSE	4:22.53	CHRISTOPHER BLACK	USA	2:33.45	MICHAEL RUFFNER	USA
28.40	BRIAN RETTERER	USA	1:00.05	JOSEP M BARDI	4:22.76	MANFRED KODER	GER	2:34.46	PETER BERMEL	GER
28.42	HENDRIK FRITZ	GER	1:00.12	HIROYUKI NAKAMURA	4:23.65	RICHARD PEASE	USA	2:35.31	MANFRED KODER	GER
28.81	KEIJI NAGASAWA	JPN	1:00.53	MARK JONES	800 M.	FREE		2:35.52	ROQUE SANTOS	USA
28.85	CURTIS SAWIN	USA	1:00.75	TOSHIYUKI IBE	8:55.03	CHRISTOPHER BLACK	USA	2:35.79	SVEN GRUNERT	GER
28.98	MARCO ORSINI	ITA	200 M.	FLY	8:55.04	STUART CROMARTY	USA	2:36.05	GUY LACONTAL	FRA
29.05	THEO JAN TANIS	NED	2:13.75	ANDRE WRASSE	8:55.99	BENEDIKT NOSS	GER	2:36.73	SEAN FRAMPTON	USA
29.05	MICHIRU KITANO	JPN	2:15.79	MICHAEL SORENSEN	8:56.10	DANIEL VEATCH	USA	2:38.43	JAMES HARPER	USA
29.12	ANDREAS DENCKER	SWE	2:17.27	MATTHIAS MILLERS	8:59.99	MIKE SHAFER	USA	50 M.	FLY	
29.25	TOMOHIRO MUSHI	JPN	2:20.17	A.JANITZKI	9:00.31	GEOFFREY GLASER	USA	26.23	KAZUHIKO YAMAKAWA	JPN
			2:21.49	ROBERTO VENIER	9:02.71	PAUL LEMMON	AUS	26.32	HENRY CLARK	USA

World Masters Top 10

LCM (50 M)

26.56	HARTMUT BERNER	GER	2:03.25	RICARDO SANTOS	BRA	100 M. BRST	25.36	JACK GROSELLE	USA
26.65	MARCEL EKKELBOOM	GER	2:03.83	MICHAEL KLEIBER	GER	1:09.97 PLAMEN ALEXANDROV	25.41	TRIP HEDRICK	USA
26.74	L.MICHELOTTI	ITA	2:04.76	GENNARO LA SALA	ITA	1:10.56 DAVID GUTHRIE	25.42	STEVE ALLBRITTON	USA
26.75	ALLAN KELSEY	USA	2:04.98	STEVEN NEWMAN	USA	1:10.65 THOMAS LIGL	25.50	FABRIZIO GRIFFO	ITA
26.80	ANDREA ORIENTE	ITA	2:05.41	B.BORDONALI	ITA	1:11.87 BRIAN CASEY	25.51	GREGORY OXLEY	USA
26.81	NEILL WILLIAMS	USA	2:06.33	KEITH BERRYHILL	USA	1:12.35 DEAN PUTTERMAN	25.62	ROLAND WENDEL	GER
26.84	TOMOHIRO ONO	JPN	4:00 M. FREE			1:12.58 BRIAN HASEGAWA	25.68	JOHN STACPOOLE	AUS
26.88	KEITH KAPLAN	USA	4:16.40	MICHAEL KLEIBER	GER	1:13.20 TADASHI FUJIMOTO	25.76	CHARLES NORELLI	USA
100 M. FLY			4:17.40	KAI DITZEL	GER	1:13.45 RENATO POSSANZINI	25.83	PETER NOCKE	GER
57.10	HENRY CLARK	USA	4:23.75	DANIEL MACHEK	CZE	1:13.59 DIRK HAIBACH	100 M. FREE		
58.84	RICHARD PEASE	USA	4:24.89	B.BORDONALI	ITA	1:13.87 EDWIN VAN NORDEN	54.58	JACK GROSELLE	USA
58.89	ROBERTO CLAUDI JR	BRA	4:26.48	DAMIANO NANETTI	ITA	200 M. BRST	55.95	TRIP HEDRICK	USA
59.08	ERIK HOCHSTEIN	USA	4:28.24	GRAHAM WELBOURN	CAN	2:33.80 PLAMEN ALEXANDROV	56.25	GREGORY OXLEY	USA
59.32	ANDREA TOJA	ITA	4:31.12	STEVEN NEWMAN	USA	2:35.85 THOMAS LIGL	56.43	BRENT BARNES	JPN
59.46	HARTMUT BERNER	GER	4:31.34	GEORGE TIDMARSH	USA	2:36.47 EDWIN VAN NORDEN	56.50	CHARLES NORELLI	USA
59.54	ROSS DAVIS	USA	4:32.64	KEITH BERRYHILL	USA	2:36.48 DAVID GUTHRIE	56.82	BILL SHERMAN	USA
59.80	ANDREA CORSO	ITA	4:33.60	STEFANO SEGUITI	ITA	2:39.48 KAZUNORI UEMURA	56.91	PETER WORLAND	USA
59.82	MIKE SHAFFER	USA	800 M. FREE			2:40.58 RENATO POSSANZINI	57.32	THOMAS MC CABE	USA
59.83	PETER BERMEL	GER	8:46.84	MICHAEL KLEIBER	GER	2:41.60 A.TIBERTI	57.72	STEVE ALLBRITTON	USA
200 M. FLY			9:08.70	GEORGE TIDMARSH	USA	2:42.40 ANDREA FLORIT	57.92	JOHN STACPOOLE	AUS
2:10.00	HENRY CLARK	USA	9:14.70	KAI DITZEL	GER	2:42.78 ATSUSHI MATSUOKA	200 M. FREE		
2:11.48	RICHARD PEASE	USA	9:15.50	STEFANO SEGUITI	ITA	2:42.81 DAVE TOWN	2:02.34	JACK GROSELLE	USA
2:11.99	A.LAVEGLIA	ITA	9:18.61	DANIEL MACHEK	CZE	50 M. FLY	2:06.59	THOMAS MC CABE	USA
2:12.27	ERIK HOCHSTEIN	USA	9:22.64	TIM HEDRICK	USA	26.50 ROBERTO TERRICONE	2:06.69	SIMON VEALE	GBR
2:12.67	MIKE SHAFFER	USA	9:27.18	KEITH BERRYHILL	USA	26.66 EDWIN VAN NORDEN	2:07.07	WILLIAM HEMPEL	USA
2:14.56	WOJTECH BLECHAR	GER	9:28.09	EDWIN VAN NORDEN	NED	26.68 RICARDO SANTOS	2:07.27	PETER WORLAND	USA
2:14.61	PETER BERMEL	GER	9:30.87	ARNALDO PEREZ	PUR	26.96 ROGER BIRNER	2:10.09	JIM CALLAHAN	USA
2:15.30	MARK MAGEE	USA	9:39.27	BOBBY PATTEN	USA	27.00 ROSTISLAV SLECHTA	2:10.32	MARK DRENNEN	USA
2:15.64	JOHN GATTI	USA	1500 M. FREE			27.04 TODD COOPER	2:10.78	BILL SHERMAN	USA
2:15.68	TAKASHI SUGISAWA	JPN	16:45.53	MICHAEL KLEIBER	GER	27.15 PAUL SMITH	2:11.17	BRADFORD GANDEE	USA
200 M. I.M.			17:14.13	GEORGE TIDMARSH	USA	27.22 MICHAEL BRETT	2:11.30	STEVE ALLBRITTON	USA
2:05.64	RONALD KARNAUGH	USA	17:32.19	KAI DITZEL	GER	27.37 ROBERT GOLDBLOOM	400 M. FREE		
2:12.21	NICOLAS GRANGER	FRA	17:35.80	STEFANO SEGUITI	ITA	27.46 HENRY STEWART	4:56.12	KEITH MANN	GBR
2:15.12	PETER BERMEL	GER	17:55.98	EDWIN VAN NORDEN	NED	100 M. FLY	4:27.83	JIM CALLAHAN	USA
2:16.49	DANIEL VEATCH	USA	18:06.76	BOBBY PATTEN	USA	59.22 RICARDO SANTOS	4:30.59	WILLIAM HEMPEL	USA
2:17.07	PAUL LEMMON	AUS	18:07.73	JAMES ANDERSON	USA	1:00.66 ROGER BIRNER	4:31.03	SCOTT SHAKE	USA
2:17.08	A.LAVEGLIA	ITA	18:13.58	KEITH BERRYHILL	USA	1:00.70 ROSTISLAV SLECHTA	4:32.35	BRETT PHILLIPS	USA
2:17.49	MARK MAGEE	USA	18:14.41	TIM HEDRICK	USA	1:00.82 EDWIN VAN NORDEN	4:32.47	SIMON VEALE	GBR
2:17.89	MANFRED KODER	GER	18:17.10	ALBERTO PEDROTTI	ITA	1:01.33 DANILO VICIOSO	4:32.90	THOMAS MC CABE	USA
2:19.10	STEPHEN SMITH	USA	50 M. BACK			1:01.64 HENRY STEWART	4:33.27	MARK DRENNEN	USA
2:19.27	MARCO POMPONI	ITA	29.26	ROGER BIRNER	SUI	1:02.19 A.TIBERTI	4:34.28	PAT ALLENDER	USA
400 M. I.M.			29.66	JOSEPH REINHARDT	USA	1:02.20 PAUL SMITH	4:38.11	PETER WORLAND	USA
4:51.96	PETER BERMEL	GER	29.90	ROSTISLAV SLECHTA	CZE	1:02.41 PAUL MORRIS	800 M. FREE		
4:52.92	MARK MAGEE	USA	29.99	PAOLO FELOTTI	ITA	1:02.53 DETLEV MAAS	9:24.84	JIM CALLAHAN	USA
4:53.07	A.LAVEGLIA	ITA	30.20	FRANK WASKO	USA	200 M. FLY	9:25.22	WILLIAM HEMPEL	USA
4:55.68	PAUL LEMMON	AUS	30.30	MICHAEL BRETT	GBR	2:15.14 A.TIBERTI	9:26.25	SIMON VEALE	GBR
4:55.73	CHRISTOPHER BLACK	USA	30.40	YASUSHI MAKINO	JPN	2:18.77 DAMIANO NANETTI	9:29.65	MARK DRENNEN	USA
4:57.95	MANFRED KODER	GER	30.46	RICARDO SANTOS	BRA	2:19.10 MICHAEL KLEIBER	9:32.08	SCOTT RABALAIS	USA
5:02.53	SVEN GRUNERT	GER	30.57	ROBIN SCHUIJT	ESP	2:21.42 DANILO VICIOSO	9:35.56	MARC JOUANDON	FRA
5:04.02	EMAD ELSHAFEI	USA	30.75	PAUL SMITH	USA	2:21.70 DETLEV MAAS	9:45.73	KLAUS ECKHOF	AUS
5:04.25	STEPHEN SMITH	USA	100 M. BACK			2:23.65 TIM BONESS	9:46.24	REGIS MATHAIS	FRA
5:04.55	JOHN GATTI	USA	1:03.68	JOSEPH REINHARDT	USA	2:24.85 BRIAN CASEY	9:49.25	BOB BUGG	USA
1:04.55	ROGER BIRNER	SUI	1:05.03	PAOLO FELOTTI	ITA	2:26.25 STEPHEN JUNK	9:52.27	NEIL WASSERMAN	USA
*****			1:05.73	GLENN BATTLE	USA	2:26.67 GLEN WALKER	AUS	1500 M. FREE	
M E N 40-44			1:06.11	YASUSHI MAKINO	JPN	2:28.50 SABRI OZUN	18:06.42	JAMIE HEMMERLE	USA
*****			1:06.42	MICHAEL BRETT	GBR	200 M. I.M.	18:10.83	MARK DRENNEN	USA
50 M. FREE			1:06.76	GIANNI BERTOLI	ITA	2:19.00 EDWIN VAN NORDEN	18:14.48	ALEXEII ZVEREV	GER
24.14	DAVID BOATWRIGHT	USA	1:06.90	ROBIN SCHUIJT	ESP	2:20.31 K.VAN OVERBEEKE	18:18.98	SCOTT RABALAIS	USA
24.67	ROBERTO TERRICONE	ITA	1:07.16	MARCO COLOMBO	ITA	2:21.52 JOSEPH REINHARDT	18:37.22	SCOTT SHAKE	USA
24.68	JOAKIM SJOHOLM	SWE	1:07.18	MARTIN FENNER	GBR	2:22.14 BRIAN CASEY	18:48.84	NEIL WASSERMAN	USA
24.71	RICARDO SANTOS	BRA	2:22.54	JAMES ANDERSON	USA	2:22.54 JAMES ANDERSON	18:57.78	MARC JOUANDON	FRA
24.99	STANLEY FUJIMOTO	USA	2:22.66	TODD COOPER	USA	2:22.66 TODD COOPER	18:58.21	LARRY WOOD	USA
25.02	SHUNSUKE MIYAMOTO	JPN	2:22.70	GLENN BATTLE	USA	2:23.08 DAVE TOWN	19:02.02	PETER KAUCH	GER
25.07	JOSEPH REINHARDT	USA	2:23.36	K.VAN OVERBEEKE	NED	2:24.11 MICHAL BARES	19:06.06	LARRY BLACK	USA
25.19	CYRO DELGADO	BRA	2:26.01	ANDREAS JENKE	GER	2:24.93 MASSIMO GIARDINO	50 M. BACK		
25.23	MICHAEL BRETT	GBR	2:26.53	MARTIN FENNER	GBR	2:25.06 GLENN BATTLE	29.41	WILLIAM SPECHT	USA
25.40	GENNARO LA SALA	ITA	2:26.70	PAOLO FELOTTI	ITA	400 M. I.M.	29.75	JAMES BALLARD	USA
100 M. FREE			2:26.83	ALBERTO PEDROTTI	ITA	5:04.18 A.TIBERTI	29.76	FRITZ LEHMAN	USA
54.26	DAVID BOATWRIGHT	USA	2:28.11	ROSTISLAV SLECHTA	CZE	5:05.66 MICHAEL KLEIBER	30.21	SCOTT SHAKE	USA
54.46	JOAKIM SJOHOLM	SWE	2:28.43	RICARDO SANTOS	BRA	5:09.10 ARNALDO PEREZ	30.57	MARCIO SILVA	BRA
55.04	RICARDO SANTOS	BRA	2:28.62	ARNALDO PEREZ	PUR	5:12.10 JAMES ANDERSON	30.81	WIESLAW MUSIAL	CAN
55.21	JOSEPH REINHARDT	USA	2:28.67	A.BONANNI	ITA	5:13.58 TODD COOPER	30.89	THIERRY CHANOINE	FRA
55.33	EDWIN VAN NORDEN	NED	50 M. BRST			5:16.41 TIM HEDRICK	31.01	MARIO LLORET	ESP
55.44	CYRO DELGADO	BRA	30.93	ROBERTO TERRICONE	ITA	5:16.48 W.SHEWELL-COOPER	31.15	JACK ALTDORFFER	USA
55.52	HENRY STEWART	USA	31.16	PLAMEN ALEXANDROV	USA	5:17.54 K.VAN OVERBEEKE	31.35	DAVID BURLESON	USA
55.62	METELO SAVINO	ITA	31.50	THOMAS LIGL	GER	5:19.35 ROLF ARNOLD	100 M. BACK		
55.80	BRADLEY HOWE	USA	31.82	BRIAN HASEGAWA	CAN	5:19.40 TOSHIYUKI SAKA	1:02.62	FRITZ LEHMAN	USA
55.92	GENNARO LA SALA	ITA	31.89	DEAN PUTTERMAN	USA		1:03.56	JAMES BALLARD	USA
200 M. FREE			32.02	JORG NEUMULLER	GER	*****	1:04.12	WILLIAM SPECHT	USA
2:01.15	DAVID BOATWRIGHT	USA	32.47	ANDREA FLORIT	ITA	M E N 45-49	1:04.96	SCOTT SHAKE	USA
2:02.01	EDWIN VAN NORDEN	NED	32.59	RONALD HORRMANN	GER	*****	1:04.98	WIESLAW MUSIAL	CAN
2:02.33	DANIEL MACHEK	CZE	32.60	RENATO POSSANZINI	ITA	50 M. FREE	1:07.04	ALAN GODFREY	USA
2:02.48	BRADLEY HOWE	USA	32.73	TADASHI FUJIMOTO	JPN	24.65 BRENT BARNES	1:07.70	JONATHAN KLEIN	USA

World Masters Top 10

LCM (50 M)

1:07.98	PHILIP ARCUNI	USA	2:24.87	GREGORY OXLEY	USA	18:59.31	SCOTT LAUTMAN	USA	100 M.	FLY			
1:08.39	DOUG PORTELANCE	USA	2:26.26	JIM CALLAHAN	USA	19:03.08	JEFF STRNAD	USA	1:01.79	GREG SHAW	USA		
1:08.42	JACK ALTDORFFER	USA	2:26.43	TOM REUDY	USA	19:07.20	G.SCARAMEL	ITA	1:01.93	JOHN MCCALL	USA		
	200 M. BACK		2:26.51	KEVIN DRAKE	USA	19:22.66	JAMES RYAN	USA	1:02.73	V.GALAVTINE	RUS		
2:18.61	WIESLAW MUSIAL	CAN	2:26.55	ALEXEI ZVEREV	GER	19:37.87	PHIL DODSON	USA	1:02.91	SCOTT LAUTMAN	USA		
2:19.07	FRITZ LEHMAN	USA	2:27.65	THOMAS BLISS	USA	19:37.88	RICK WALKER	USA	1:06.15	TOM GEIMAN	USA		
2:19.18	SCOTT SHAKE	USA	2:28.11	UWE KUSSATZ	GER		50 M. BACK		1:06.90	DON MEHL	USA		
2:20.14	WILLIAM SPECHT	USA	2:28.83	STEVE FRANKLIN	USA	30.36	CASEY CLAFLIN	USA	1:07.45	C.STARZEC	FRA		
2:24.84	JAMES BALLARD	USA		400 M. I.M.		30.64	V.GALAVTINE	RUS	1:07.49	RICHARD GARRETT	USA		
2:27.23	ALAN GODFREY	USA	5:08.79	SCOTT SHAKE	USA	30.95	JEFFREY PEROUT	USA	1:07.98	ROB WEYHENKE	NED		
2:29.58	PHILIP ARCUNI	USA	5:16.96	HUGO BREGMAN	NED	31.37	MARK PUGLIESE	USA	1:08.62	JAMES THORNTON	USA		
2:29.82	DOUG PORTELANCE	USA	5:18.47	JIM CALLAHAN	USA	31.64	SHUNJI NAGAHAMA	JPN		200 M. FLY			
2:30.76	THOMAS BLISS	USA	5:19.37	NEIL WASSERMAN	USA	31.72	ROB WEYHENKE	NED	2:26.04	SCOTT LAUTMAN	USA		
2:31.19	JIRI KYNERA	CZE	5:19.72	WILLIAM SPECHT	USA	31.77	TAKEO HIRAMOTO	JPN	2:37.16	MARK PUGLIESE	USA		
	50 M. BRST		5:20.23	MARK DRENNEN	USA	31.83	GERHARD BUTTNER	GER	2:38.60	JIM CLEMMONS	USA		
	32.27	JACK GROSELLE	USA	5:21.05	THOMAS BLISS	USA	32.40	GEORGE SCHMIDT	USA	2:40.27	JOHN MCCALL	USA	
	32.38	GREGORY OXLEY	USA	5:22.01	WIESLAW MUSIAL	CAN	32.47	EDDIE RIACH	GBR	2:42.19	HUNTER YOST	USA	
	32.43	HIROMICHI TAKEI	JPN	5:25.87	PETER KAUCH	GER		100 M. BACK		2:44.67	J.DANIEL MOUSSAY	FRA	
	32.87	JURGEN BRUHN	GER	5:26.02	BRYAN VOLPP	USA	1:06.36	V.GALAVTINE	RUS	2:45.04	HERBERT BLOCH	GER	
	33.22	CRAIG SHEFFER	USA				1:07.42	CASEY CLAFLIN	USA	2:46.03	DAVID LEVINSON	USA	
	33.35	PAT ALLENDER	USA	*****			1:08.09	MARK PUGLIESE	USA	2:46.27	PATRICK LUSIEN	FRA	
	33.36	THOMAS PAEHR	GER		M E N 50-54		1:08.23	JEFFREY PEROUT	USA	2:46.97	D.CHIAROLINI	ITA	
	33.54	MORIHIRO WADA	JPN	*****			1:09.41	TIM SHEAD	RSA		200 M. I.M.		
	33.61	MARCO STENTELLA	ITA		50 M. FREE		1:10.18	EDDIE RIACH	GBR	2:28.14	GREG SHAW	USA	
	33.62	BENN DOYLE	USA		25.49	V.GALAVTINE	RUS	1:10.44	SHUNJI NAGAHAMA	JPN	2:30.33	ROB WEYHENKE	NED
		100 M. BRST			25.54	PAUL TREVISAN	USA	1:10.76	TERRY DOWNES	RSA	2:31.38	FRED FARLEY	USA
1:10.27	GREGORY OXLEY	USA	25.79	LARRY KRAUSER	USA	1:10.82	GEORGE SCHMIDT	USA	2:32.59	GEORGE SCHMIDT	USA		
1:12.08	JACK GROSELLE	USA	26.06	MIKE TENNANT	USA	1:11.12	FRED FERROGGIARO	USA	2:33.05	TAKEO HIRAMOTO	JPN		
1:12.66	PAT ALLENDER	USA	26.42	TERRY DOWNES	RSA		200 M. BACK		2:33.90	EDDIE RIACH	GBR		
1:14.34	BENN DOYLE	USA	26.43	RICHARD GARRETT	USA	2:27.45	PAUL FETTERS	USA	2:34.34	JIM CLEMMONS	USA		
1:15.36	HAJIME SHIMURA	JPN	26.49	RICARDO DAVIS	BRA	2:30.10	JEFFREY PEROUT	USA	2:34.74	JOHN MCCALL	USA		
1:15.42	PETER KAUCH	GER	26.57	TOM GEIMAN	USA	2:32.34	EDDIE RIACH	GBR	2:35.64	SIMON MARTIN	AUS		
1:15.50	JURGEN BRUHN	GER	26.63	JEFFREY PEROUT	USA	2:32.53	MARK PUGLIESE	USA	2:35.84	ROBERT BROWN	USA		
1:15.52	CRAIG SHEFFER	USA	26.68	JURGEN KONNEKER	GER	2:33.94	ROB WEYHENKE	NED		400 M. I.M.			
1:15.94	BILL SHERMAN	USA		100 M. FREE		2:34.87	FRED FARLEY	USA	5:20.50	PAUL FETTERS	USA		
1:16.07	JOHN HARKER	GBR	56.44	LEE MENCH	USA	2:34.90	DAVID BRIGHT	USA	5:24.76	JOHN MCCALL	USA		
	200 M. BRST		56.67	PAUL TREVISAN	USA	2:40.10	JACK COURTNEY	USA	5:30.31	FRED FARLEY	USA		
2:37.89	PAT ALLENDER	USA	57.37	LARRY KRAUSER	USA	2:40.22	ALAIN VANACKER	FRA	5:30.97	JIM CLEMMONS	USA		
2:38.95	GREGORY OXLEY	USA	57.66	JEFFREY PEROUT	USA	2:40.31	FRANK THOMPSON	USA	5:42.34	PHIL DODSON	USA		
2:43.88	PETER KAUCH	GER	58.35	MIKE TENNANT	USA		50 M. BRST		5:45.83	IAN MILNE	GBR		
2:44.01	BENN DOYLE	USA	58.35	RICHARD GARRETT	USA	34.22	TIMOTHY SHEAD	BRA	5:50.06	FRANK THOMPSON	USA		
2:44.93	JURGEN BRUHN	GER	58.44	V.GALAVTINE	RUS	34.54	C.STARZEC	FRA	5:51.81	HUNTER YOST	USA		
2:47.29	HAJIME SHIMURA	JPN	58.67	TERRY DOWNES	RSA	34.82	TONY CAWOOD	RSA	5:52.33	RON ARMSTRONG	CAN		
2:48.13	REGIS MATHAIS	FRA	58.90	GREG SHAW	USA	34.89	JOHN PEARSON	GBR	5:55.36	ANDREAS WEBER	GER		
2:48.34	BRYAN VOLPP	USA	58.99	TOM GEIMAN	USA		34.89	DALE KORNER	USA				
2:48.96	MAURO BORDOVSKY	USA		200 M. FREE		35.03	GEORGE SCHMIDT	USA	*****				
2:49.66	MARK DRENNEN	USA	2:06.21	LARRY KRAUSER	USA	35.26	ROBERT SCHMITZ	USA		M E N 55-59			
	50 M. FLY		2:06.84	JEFFREY PEROUT	USA	35.27	K.HARTUNG	GER	*****				
	26.64	TRIP HEDRICK	USA	2:08.00	LEE MENCH	USA	35.49	ROBERT BERGER	GER		50 M. FREE		
	27.03	WILLIAM SPECHT	USA	2:10.53	PHIL DODSON	USA	35.49	ALLEN STARK	USA	26.11	STEVE BOROWSKI	USA	
	27.19	JAMES BALLARD	USA	2:11.31	CRAIG STEVENS	USA		100 M. BRST		27.00	PETER PRIJDEKKER	GBR	
	27.52	CHARLES NORELLI	USA	2:11.61	SIMON MARTIN	AUS	1:15.97	TIM SHEAD	RSA	27.09	TOM MEADE	USA	
	27.55	FREDERICK EHMKE	USA	2:11.61	JAMES SWEENEY	USA	1:16.64	BOB HATHERLY	RSA	27.20	GRAHAM CROFT	AUS	
	27.58	ROGER KAHN	USA	2:12.37	GREG SHAW	USA	1:17.40	FRED FARLEY	USA	27.34	JOHN LIRON	GBR	
	27.75	PETER NOCKE	GER	2:12.73	MIKE TENNANT	USA	1:17.86	TAKEO HIRAMOTO	JPN	27.46	MICHAEL AHERN	USA	
	27.90	MARIO LLORET	ESP	2:13.47	RICHARD GARRETT	USA	1:18.05	RICK ENRIGHT	USA	27.57	H.HARBRECHT	GER	
	27.93	THOMAS MC CABE	USA		400 M. FREE		1:18.19	C.STARZEC	FRA	27.79	JON SHASTID	USA	
	27.93	ROBERT HANSEN	USA	4:40.49	LARRY KRAUSER	USA	1:18.36	ROBERT BROWN	USA	27.80	JIM DRAGON	USA	
		100 M. FLY		4:41.28	PHIL DODSON	USA	1:19.21	ROBERT SCHMITZ	USA	27.81	GORDON BLACK	CAN	
	59.38	WILLIAM SPECHT	USA	4:41.37	JIM CLEMMONS	USA	1:19.23	ROBERT BERGER	GER		100 M. FREE		
1:01.43	JAMES BALLARD	USA	4:45.53	CRAIG STEVENS	USA	1:19.90	JOHN PEARSON	GBR	58.99	STEVE BOROWSKI	USA		
1:01.52	CHARLES NORELLI	USA	4:46.73	G.SCARAMEL	ITA		200 M. BRST		1:00.10	PETER PRIJDEKKER	GBR		
1:01.96	THOMAS MC CABE	USA	4:47.03	JAMES SWEENEY	USA	2:47.36	BOB HATHERLY	RSA	1:00.14	GRAHAM CROFT	AUS		
1:02.47	PETER NOCKE	GER	4:49.81	SCOTT TOWNSEND	USA	2:50.49	TAKEO HIRAMOTO	JPN	1:01.11	H.HARBRECHT	GER		
1:03.15	FREDERICK EHMKE	USA	4:50.57	RICK WALKER	USA	2:51.00	FRED FARLEY	USA	1:01.39	TOM MEADE	USA		
1:03.30	KERRY O'BRIEN	USA	4:53.32	DOUG HOWIESON	RSA	2:51.21	RICK ENRIGHT	USA	1:01.76	CHRIS DUNN	GBR		
1:03.47	PHILIP ARCUNI	USA	4:54.56	J.DANIEL MOUSSAY	FRA	2:53.35	C.STARZEC	FRA	1:01.91	DIETER SEIFERT	GER		
1:03.65	SIMON VEALE	GBR		800 M. FREE		2:53.55	GREGORY HARRISON	USA	1:02.07	MICHAEL AHERN	USA		
1:03.70	KLAUS DAHLINGER	GER	9:41.85	LARRY KRAUSER	USA	2:55.01	JOHN PEARSON	GBR	1:02.51	FRANK HESBACHER	GER		
		200 M. FLY		9:44.75	JIM CLEMMONS	USA	2:55.13	ROBERT BROWN	USA	1:02.72	HANS LJUNGBERG	SWE	
2:11.02	WILLIAM SPECHT	USA	9:52.91	CRAIG STEVENS	USA	2:55.19	JIM CLEMMONS	USA	1:02.72	BILL DICK	USA		
2:24.28	HUGO BREGMAN	NED	9:55.24	JAMES SWEENEY	USA	2:57.18	W.FICKENSCHER	GER		200 M. FREE			
2:27.87	WIESLAW MUSIAL	CAN	9:55.41	PAUL FETTERS	USA		50 M. FLY		2:11.66	R TOD SPIEKER	USA		
2:27.90	PETER SCHUSTER	AUS	10:04.92	JAMES RYAN	USA	27.74	TOM GEIMAN	USA	2:12.76	GRAHAM CROFT	AUS		
2:29.37	KERRY O'BRIEN	USA	10:12.73	JAMES THORNTON	USA	27.92	MARK PUGLIESE	USA	2:15.11	LONNY HARRISON	USA		
2:30.23	PHILIP ARCUNI	USA	10:15.16	DAVID BRIGHT	USA	28.17	GREG SHAW	USA	2:15.57	PETER PRIJDEKKER	GBR		
2:31.43	DONALD WALKER	USA	10:17.02	JACK MARTIN	USA	28.20	JOHN MCCALL	USA	2:16.71	DUNCAN MCCREADIE	GBR		
2:31.64	TOM MCCABE	USA	10:21.77	DOUG HOWIESON	RSA	28.35	V.GALAVTINE	RUS	2:17.12	CHRIS DUNN	GBR		
2:31.79	ALEXEI ZVEREV	GER		1500 M. FREE		28.80	DON MEHL	USA	2:17.91	JAMES DELACY	USA		
2:33.35	VOLKER HOLTKE	GER	18:37.22	LARRY KRAUSER	USA	28.88	KEVIN MCCORMACK	USA	2:18.52	FRANK HESBACHER	GER		
		200 M. I.M.		18:52.90	CRAIG STEVENS	USA	29.09	CASEY CLAFLIN	USA	2:18.67	FRANK MCELROY	USA	
2:24.03	SIMON VEALE	GBR	18:53.74	JIM CLEMMONS	USA	29.50	RUDY VAZMINA	PUR	2:21.31	MOSHIE GERTEL	ISR		
2:24.68	SCOTT SHAKE	USA	18:55.53	PAUL FETTERS	USA	29.50	C.STARZEC	FRA		400 M. FREE			

World Masters Top 10

LCM (50 M)

4:38.81	R TOD SPIEKER	USA	1:23.25	EDWARD NESSEL	USA	28.78	PETER STRAKA	CAN	2:52.57	HUGH RODDIN	USA
4:50.05	GRAHAM CROFT	AUS	1:23.26	GALEN DENIO	USA	28.85	HIROSHI MARUYAMA	JPN	2:53.79	C MUTER	USA
4:53.33	LONNY HARRISON	USA	1:23.52	TERUO IWATA	JPN	100 M.	FREE		2:54.28	LUCIEN GAUCHE	FRA
4:54.03	DUNCAN MCCREADIE	GBR	1:23.63	SHOJI YAMASHITA	JPN	1:01.25	KEEFE LODWIG	USA	2:55.56	LUIZ F.FIGUEIREDO	BRA
4:54.41	CHRIS DUNN	GBR	200 M.	BRST		1:03.13	IAN SMITH	CAN	2:55.66	ROBERT SMITH	USA
4:56.36	FRANK MCELROY	USA	2:53.88	ROBERT STRAND	USA	1:03.60	TOM LANDIS	USA	2:55.82	BILL RUPERT	USA
4:57.21	ANDY WILSON	GBR	2:55.70	GEORGE WENDT	USA	1:03.78	RUDOLF SMERDA	CZE	2:56.33	FRANS VAN ENST	NED
4:59.15	PETER WISNER	USA	3:02.16	ALBERTO SICA	ITA	1:04.66	HIROSHI MARUYAMA	JPN	2:57.81	MASAO KIJIMA	JPN
5:00.65	D.UIJTENBOGAART	NED	3:03.05	SHOJI YAMASHITA	JPN	1:04.70	JACK GEOGHEGAN	USA	50 M.	BRST	
5:00.78	TOM MEADE	USA	3:04.05	PAUL WYATT	AUS	1:04.89	DAVID BOYLSON	AUS	34.42	PETER ANDERSEN	USA
9:40.68	R TOD SPIEKER	USA	3:04.09	D.UIJTENBOGAART	NED	1:05.25	VITTORIO ERMIRIO	ITA	35.74	SYLVIO RIBEIRO	BRA
10:03.55	LONNY HARRISON	USA	3:04.17	DAVID UGARKOVICH	USA	1:05.64	TONY CHERRINGTON	GBR	36.54	ROLF GITTER	GER
10:08.55	FRANK MCELROY	USA	3:04.26	HERBERT LANGE	GER	1:06.05	EDWARD CAZALET	USA	36.54	RAINER OPITZ	GER
10:09.79	GRAHAM CROFT	AUS	3:04.83	JAMES ARTHUR	GBR	200 M.	FREE		36.77	KLAUS KATZUR	GER
10:19.23	DUNCAN MCCREADIE	GBR	3:04.87	JACQUES SICOT	FRA	2:22.72	SANDY GALLETLY	GBR	36.85	DAVID GILDEA	USA
10:19.34	GEORGE WENDT	USA	50 M.	FLY		2:23.71	EDWARD CAZALET	USA	37.38	KENRO ISHIDA	JPN
10:22.13	GAARD ARNESON	USA	27.80	STEVE BOROWSKI	USA	2:25.09	TOM LANDIS	USA	37.41	ANTONIO C.ORSSELLI	BRA
10:23.10	D.UIJTENBOGAART	NED	28.64	JOEL BURNS	USA	2:25.19	JACK GEOGHEGAN	USA	37.42	MICHINORI TSUBOTA	JPN
10:25.34	ANDY WILSON	GBR	29.00	JIM DRAGON	USA	2:25.27	VITTORIO ERMIRIO	ITA	37.68	WIGBERT VOGELY	GER
10:31.11	JEAN CLAUDE FAURE	FRA	29.13	SHIGEO ASANO	JPN	2:25.81	RUDOLF SMERDA	CZE	100 M.	BRST	
1500 M.	FREE		29.33	JOSEP CLARET	ESP	2:26.81	TONY CHERRINGTON	GBR	1:18.63	PETER ANDERSEN	USA
19:16.02	GEORGE WENDT	USA	29.44	FOLKERT MEEUW	GER	2:27.87	RAYMOND STOKES	GBR	1:20.53	DAVID GILDEA	USA
19:27.90	D.UIJTENBOGAART	NED	29.91	JAMES DELACY	USA	2:28.31	GEOFF STOKES	GBR	1:21.97	RAINER OPITZ	GER
19:33.85	R TOD SPIEKER	USA	30.15	MICHAEL AHERN	USA	2:29.80	BERND SCHRODER	GER	1:22.27	SYLVIO RIBEIRO	BRA
19:40.64	STEVE JOHNSON	USA	30.17	HUGH WILDER	USA	400 M.	FREE		1:22.31	GERSHON SHEFA	ISR
19:51.69	GAARD ARNESON	USA	30.26	J.CLAUDE LESTIDEA	FRA	5:01.50	VITTORIO ERMIRIO	ITA	1:23.78	KLAUS KATZUR	GER
20:00.24	ANDY WILSON	GBR	100 M.	FLY		5:04.12	SANDY GALLETLY	GBR	1:25.57	MICHINORI TSUBOTA	JPN
20:52.04	JAY PLATT	USA	1:04.15	STEVE BOROWSKI	USA	5:10.73	EDWARD CAZALET	USA	1:25.84	JURGEN ZIMMERMANN	GER
20:54.33	JAMES DELACY	USA	1:06.66	JOEL BURNS	USA	5:13.00	TOM LANDIS	USA	1:25.92	IAN INGRAM	AUS
20:55.88	BOB BRUCE	USA	1:07.19	SHIGEO ASANO	JPN	5:14.99	JACK GEOGHEGAN	USA	1:25.95	TEGZE HARASZTI	USA
21:18.23	FRANK MCQUIGGAN	USA	1:08.84	JOSEP CLARET	ESP	5:16.10	MARIO PATERNI	ITA	200 M.	BRST	
50 M.	BACK		1:09.78	RANDY BROWN	USA	5:16.85	RAYMOND STOKES	GBR	2:56.69	GERSHON SHEFA	ISR
31.10	KIERAN KELLEHER	ITA	1:09.94	JAMES DELACY	USA	5:17.30	FEDERICO DI CARLO	ITA	3:01.15	PETER ANDERSEN	USA
31.19	HUGH WILDER	USA	1:10.65	KIERAN KELLEHER	ITA	5:26.71	HENRI VIDIL	FRA	3:02.84	DAVID GILDEA	USA
33.49	J.CLAUDE LESTIDEA	FRA	1:11.36	FOLKERT MEEUW	GER	5:29.90	ROBERT POILETMAN	USA	3:04.51	RAINER OPITZ	GER
33.86	GREGORY GUSH	USA	1:11.54	DEREK PARR	GBR	800 M.	FREE		3:05.82	SYLVIO RIBEIRO	BRA
34.05	DIETER SEIFERT	GER	1:11.65	J.CLAUDE LESTIDEA	FRA	10:20.79	SANDY GALLETLY	GBR	3:06.39	ROB HANOU	NED
34.08	JOSEPH JACKSON	GBR	200 M.	FLY		10:51.16	EDWARD CAZALET	USA	3:08.59	TEGZE HARASZTI	USA
34.11	HIROSHI NEBU	JPN	2:46.64	JEAN CLAUDE FAURE	FRA	10:58.55	JOACHIM HINTZE	GER	3:08.93	KARL ODKOLEK	GER
34.19	RICHARD ALEXANDER	USA	2:49.85	DEREK PARR	GBR	11:00.59	GEOFF STOKES	GBR	3:09.31	MASARU SHINKAI	JPN
34.30	CHUCK GANTNER	USA	2:51.79	J.CLAUDE LESTIDEA	FRA	11:04.06	TOM LANDIS	USA	3:09.48	MICHAEL MALONEY	AUS
34.75	KATSUYUKI SUZUKI	JPN	2:52.74	GUNTER PACKENIUS	GER	11:05.24	HENRI VIDIL	FRA	50 M.	FLY	
100 M.	BACK		2:53.51	D.UIJTENBOGAART	NED	11:11.72	C MUTER	USA	29.23	KEEFE LODWIG	USA
1:09.10	HUGH WILDER	USA	2:53.59	RANDY BROWN	USA	11:13.73	BILL CONROY	USA	29.89	ROBERT POILETMAN	USA
1:12.58	R TOD SPIEKER	USA	2:58.80	HERBERT LANGE	GER	11:19.14	RAYMOND STOKES	GBR	29.96	C MUTER	USA
1:16.05	J.CLAUDE LESTIDEA	FRA	3:01.66	PAUL WYATT	AUS	11:19.91	NEIL WATTS	USA	30.46	RYUJI TAKAMINE	JPN
1:16.70	FOLKERT MEEUW	GER	3:02.06	MICHAEL MERRELL	USA	1500 M.	FREE		30.50	KOJI IWAMOTO	JPN
1:16.82	SUEKI YAMAMOTO	JPN	3:03.81	PAULO FIGUEIREDO	USA	19:49.55	SANDY GALLETLY	GBR	30.56	AKIRA TAKAKURA	JPN
1:17.11	GREGORY GUSH	USA	200 M.	I.M.		19:58.09	VITTORIO ERMIRIO	ITA	31.06	TOMOYASU IIDA	JPN
1:17.40	CHARLE MEYER	USA	2:33.27	LONNY HARRISON	USA	20:39.69	JOACHIM HINTZE	GER	31.15	IAN SMITH	CAN
1:17.73	PATRICK DEVINE	AUS	2:34.65	R TOD SPIEKER	USA	20:41.67	TOM LANDIS	USA	31.18	BERND SCHRODER	GER
1:17.87	RICHARD ALEXANDER	USA	2:41.37	DUNCAN MCCREADIE	GBR	21:00.00	FEDERICO DI CARLO	ITA	31.22	CHITOSHI KONISHI	JPN
1:18.78	HIROSHI NEBU	JPN	2:41.74	TOM MEADE	USA	21:10.09	BILL CONROY	USA	100 M.	FLY	
200 M.	BACK		2:41.99	MICHAEL AHERN	USA	21:19.51	SUETAKA SAWADA	JPN	1:06.63	ROBERT POILETMAN	USA
2:30.82	R TOD SPIEKER	USA	2:42.11	HANS LJUNGBERG	SWE	21:23.00	MARIO PATERNI	ITA	1:09.80	KOJI IWAMOTO	JPN
2:39.15	HUGH WILDER	USA	2:42.28	SHIGEO ASANO	JPN	21:38.54	TEGZE HARASZTI	USA	1:11.03	C MUTER	USA
2:42.98	LONNY HARRISON	USA	2:43.26	PETER WISNER	USA	21:50.65	TOM TULENKO	USA	1:12.25	HUGH RODDIN	USA
2:48.63	MARVIN SCHWARTZ	USA	2:43.87	JURGEN ALTENHOFEN	GER	50 M.	BACK		1:12.32	CHITOSHI KONISHI	JPN
2:49.46	IVAN MYALL	GBR	2:44.10	HUGH WILDER	USA	32.11	RICHARD BURNS	USA	1:13.80	RUDOLF SMERDA	CZE
2:51.00	PETR BUBLE	CZE	400 M.	I.M.		33.01	ROBERT SMITH	USA	1:13.92	AKIRA TAKAKURA	JPN
2:51.03	GREGORY GUSH	USA	5:42.52	R TOD SPIEKER	USA	34.19	JACK GEOGHEGAN	USA	1:14.12	S.HASEGAWA	JPN
2:51.71	KURT FREI	SUI	5:51.68	D.UIJTENBOGAART	NED	34.70	HIROSHI NONAKA	JPN	1:14.43	BERND SCHRODER	GER
2:52.72	P.NANNI	ITA	5:59.66	JEAN CLAUDE FAURE	FRA	34.78	FRANS VAN ENST	NED	1:14.83	TOMOYASU IIDA	JPN
2:52.82	DAVID LANGLEY	GBR	6:02.03	KURT FREI	SUI	34.81	LUIZ F.FIGUEIREDO	BRA	200 M.	FLY	
50 M.	BRST		6:02.10	HERBERT LANGE	GER	35.21	MASAO KIJIMA	JPN	2:33.72	ROBERT POILETMAN	USA
35.14	JOHN LIRON	GBR	6:04.93	GAARD ARNESON	USA	35.35	LUCIEN GAUCHE	FRA	2:47.22	KOJI IWAMOTO	JPN
35.30	YOSHITADA MAEDA	JPN	6:05.81	TOM MEADE	USA	35.43	TONY CHERRINGTON	GBR	2:49.77	JOACHIM HINTZE	GER
35.53	JACQUES SICOT	FRA	6:07.83	BOB BRUCE	USA	35.92	HELMUT RICHTER	GER	2:57.81	RICHARD KITCHELL	USA
35.54	HERBERT GRUBER	GER	6:11.69	PATRICK DEVINE	AUS	35.92	MICHAEL MEALIFFE	USA	2:58.62	HUGH RODDIN	USA
35.81	PETER WISNER	USA	6:14.54	GRAHAM PADGETT	GBR	100 M.	BACK		2:59.91	BERND SCHRODER	GER
35.82	KAZUO KISHI	JPN	1:11.96	RICHARD BURNS	USA	1:11.96	RICHARD BURNS	USA	3:01.76	DETLEV HENSCHES	GER
35.83	JIM DRAGON	USA	1:16.24	EDWARD CAZALET	USA	1:16.24	EDWARD CAZALET	USA	3:02.36	ROB HANOU	NED
35.98	SEIKO OKAZAKI	JPN	1:16.69	LUCIEN GAUCHE	FRA	1:16.69	LUCIEN GAUCHE	FRA	3:03.34	TAISUKE MIYAZAKI	JPN
36.11	HIDEO YAMAMOTO	JPN	1:17.22	ROBERT SMITH	USA	1:17.22	ROBERT SMITH	USA	3:04.15	HENRI VIDIL	FRA
36.11	JESSE SMYERS	USA	1:17.57	BILL RUPERT	USA	1:17.57	BILL RUPERT	USA	200 M.	I.M.	
100 M.	BRST		1:18.24	FRANS VAN ENST	NED	1:18.24	FRANS VAN ENST	NED	2:40.95	EDWARD CAZALET	USA
1:20.87	ALBERTO SICA	ITA	1:18.63	HUGH RODDIN	USA	1:18.63	HUGH RODDIN	USA	2:42.79	C MUTER	USA
1:21.00	ROD CARGILL	USA	1:19.13	HIROSHI NONAKA	JPN	1:19.13	HIROSHI NONAKA	JPN	2:45.08	RICHARD BURNS	USA
1:21.13	SEIKO OKAZAKI	JPN	1:19.20	LUIZ F.FIGUEIREDO	BRA	1:19.20	LUIZ F.FIGUEIREDO	BRA	2:45.75	GERSHON SHEFA	ISR
1:21.53	SHINJI OMIGAWA	JPN	1:20.06	MASAO KIJIMA	JPN	1:20.06	MASAO KIJIMA	JPN	2:50.11	KLAUS KATZUR	GER
1:21.86	JACQUES SICOT	FRA	200 M.	BACK		200 M.	BACK		2:51.14	KOJI IWAMOTO	JPN
1:22.99	YOSHITADA MAEDA	JPN	2:41.51	EDWARD CAZALET	USA	2:41.51	EDWARD CAZALET	USA	2:52.45	TADASHI IWAMOTO	JPN
			2:42.91	RICHARD BURNS	USA	2:42.91	RICHARD BURNS	USA	2:53.41	HELMUT BEER	GER

World Masters Top 10

LCM (50 M)

2:53.59	TOM LANDIS	USA	50	M. BACK		1:24.24	ERNIE LESKOVITZ	USA	6:11.47	JOHN KALAS	USA
2:53.89	HIROSHI NONAKA	JPN	35.22	JOHN SMITH	USA	1:24.33	WILLIAM LAUER	USA	6:16.21	GEORGE MILNE	CAN
400 M. I.M.			36.08	PETER BERGENGREN	SWE	1:24.97	TADAHIKO SAKATANI	JPN	6:16.66	KAZUO OTA	JPN
5:50.12	EDWARD CAZALET	USA	36.96	RUDI SCHWIND	GER	1:25.56	MEL GOLDSTEIN	USA	800 M. FREE		
6:12.76	C MUTER	USA	37.46	ERIC FORSLUND	SWE	1:26.46	MASARU IGARASHI	JPN	11:35.34	BURWELL JONES	USA
6:13.67	TOM LANDIS	USA	37.57	ISAO KOYAMA	JPN	200 M. FLY			12:06.65	GRAHAM JOHNSTON	USA
6:16.54	HUGH RODDIN	USA	37.63	PETER BAUCH	GER	3:05.49	DAVID CUMMING	GBR	12:24.77	JOSEF KREJCI	SUI
6:17.06	HELMUT BEER	GER	37.86	MOTOHISA HIROSE	JPN	3:13.11	DAVE MCLACHLAN	RSA	12:44.03	ROBERT MAYO	USA
6:19.07	MASAO KIJIMA	JPN	37.96	DAVID MCINTYRE	USA	3:16.44	LUIS RICARDO SIMI	BRA	12:48.55	ALAN RAPPERPORT	USA
6:21.72	HENRI VIDIL	FRA	38.27	IKURO SHIMONO	JPN	3:16.48	RUDI BECKER	GER	12:55.28	WERNER MULLER	GER
6:22.05	MIKE FRESHLEY	USA	38.28	HEINZ HUBNER	GER	3:22.26	WILLIAM LAUER	USA	12:56.79	ROBERT BEACH	USA
6:23.37	ROB HANOU	NED	100 M. BACK		3:23.18	RAFAEL PEREZ	ESP	13:05.48	JOHN KALAS	USA	
6:29.02	KARL ODKOLEK	GER	1:19.35	JOHN SMITH	USA	3:25.21	H.MULLER	GER	13:14.84	ARAM BOGHOSSIAN	BRA
			1:22.60	MARTY MENNEN	USA	3:25.48	NEIL TASKER	GBR	13:17.17	CHRISTOPHER SMITH	CAN
*****			1:25.64	PETER BAUCH	GER	3:25.82	GUNTER KOBOW	GER	1500 M. FREE		
	M E N 65-69		1:26.18	RUDI SCHWIND	GER	3:27.16	TADAHIKO SAKATANI	JPN	22:52.27	GRAHAM JOHNSTON	USA
*****			1:26.27	IKURO SHIMONO	JPN	200 M. I.M.			23:42.75	DAVE ANDERSON	USA
50 M. FREE			1:26.84	E.NODENSCHNEIDER	FRA	3:05.56	GERHARD HOLE	GER	24:18.44	WERNER MULLER	GER
28.34	CAV CAVANAUGH	USA	1:26.86	MOTOHISA HIROSE	JPN	3:07.85	NIC GEERS	NED	24:23.13	ROBERT BEACH	USA
28.51	PETER BERGENGREN	SWE	1:27.31	BILL DYKSTRA	USA	3:07.97	CAV CAVANAUGH	USA	24:37.81	ALAN RAPPERPORT	USA
29.14	JERRY CLARK	USA	1:28.14	ITARU KOJIMA	JPN	3:09.00	DAVE MCLACHLAN	RSA	25:14.03	KAZUO OTA	JPN
29.24	BOB BAILIE	USA	1:28.29	BRENT LAKE	USA	3:09.03	DICK PETERSON	USA	26:17.34	BARNEY HUNGERFORD	USA
29.65	MASATO YOSHINO	JPN	200 M. BACK		3:10.40	RUDI BECKER	GER	26:23.84	MYRON LOCKEY	USA	
29.75	MANFRED BONICKE	GER	2:58.84	JOHN SMITH	USA	3:10.91	ITARU KOJIMA	JPN	26:28.51	MISAO AMANO	JPN
30.00	FABRIZIO MOMONI	ITA	3:03.34	MARTY MENNEN	USA	3:10.93	ERNIE LESKOVITZ	USA	26:30.35	PETER TUCKER	GBR
30.25	JOHN SMITH	USA	3:03.53	NIC GEERS	NED	3:12.45	HANS REICHEL	GER	50 M. BACK		
30.30	MASAMI TATEISHI	JPN	3:04.30	E.NODENSCHNEIDER	FRA	3:12.69	CLAUDIO NEGRI	ITA	35.31	YOSHI OYAKAWA	USA
30.30	H.TAKAHASHI	JPN	3:06.14	TOM WALKER	GBR	400 M. I.M.			35.83	S.SEKIKAWA	JPN
100 M. FREE			3:06.44	GERHARD HOLE	GER	6:37.57	DAVID CUMMING	GBR	37.13	BURWELL JONES	USA
1:03.69	CAV CAVANAUGH	USA	3:08.72	R.KRAHL	GER	6:43.45	DAVE MCLACHLAN	RSA	38.37	MAMPEI SEINO	JPN
1:04.54	PETER BERGENGREN	SWE	3:08.93	BRENT LAKE	USA	6:49.09	ERNIE LESKOVITZ	USA	38.45	CLARKE MITCHELL	USA
1:05.09	MASATO YOSHINO	JPN	3:09.37	GUNTER BEILSTEIN	GER	6:51.40	NIC GEERS	NED	38.69	MINORU UEMURA	JPN
1:05.69	FABRIZIO MOMONI	ITA	3:13.19	BILL DYKSTRA	USA	6:56.31	RUDI BECKER	GER	39.11	RON JOHNSON	USA
1:06.98	JERRY CLARK	USA	50 M. BRST		6:58.46	DICK PETERSON	USA	39.36	WERNER MULLER	GER	
1:07.01	BOB BAILIE	USA	37.16	STANLEY CLARKE	GBR	7:03.07	LUIS RICARDO SIMI	BRA	39.78	K.KAWASHIMA	JPN
1:07.20	CHARLES THOMANN	FRA	37.45	BERND WUNSCH	GER	7:06.63	WILLIAM LAUER	USA	40.17	ALAN RAPPERPORT	USA
1:08.93	H.TAKAHASHI	JPN	37.52	HIROSHI KOTEGAWA	JPN	7:07.12	H.MULLER	GER	100 M. BACK		
1:08.93	DAVID HARRISON	USA	37.92	TETSUO NAKAMARU	JPN	7:11.01	JOHN PUGH	AUS	1:19.14	BURWELL JONES	USA
1:09.28	NIC GEERS	NED	38.13	JURGEN SCHUBERT	GER				1:19.38	YOSHI OYAKAWA	USA
200 M. FREE			38.20	TONY GOODWIN	AUS	*****			1:20.93	S.SEKIKAWA	JPN
2:24.45	FABRIZIO MOMONI	ITA	38.38	HIROMASA KAWAI	JPN				1:24.95	MAMPEI SEINO	JPN
2:25.09	CAV CAVANAUGH	USA	38.61	WERNER GOTTSCHALK	GER				1:25.27	CLARKE MITCHELL	USA
2:27.51	DAVID HARRISON	USA	38.63	ROLF TUTEPASTELL	GER	50 M. FREE			1:28.31	ALAN RAPPERPORT	USA
2:28.41	MASATO YOSHINO	JPN	38.64	RINALDO FERREIRA	BRA	29.57	WOLFRAM GOTTFRIED	GER	1:30.37	ROBERT MAYO	USA
2:31.37	NIC GEERS	NED	100 M. BRST		30.06	RON JOHNSON	USA	1:30.63	GEORGE GFROERER	USA	
2:31.63	KAZUYA NISHINO	JPN	1:25.44	TETSUO NAKAMARU	JPN	30.45	DONALD HILL	USA	1:30.74	GRAHAM JOHNSTON	USA
2:33.47	JERRY CLARK	USA	1:25.81	TONY GOODWIN	AUS	30.53	SHINGO YAMAMOTO	JPN	1:31.44	K.KAWASHIMA	JPN
2:34.88	DAVID RADCLIFF	USA	1:26.07	YOSHIAKI AOKI	JPN	30.63	ALDO EMINENTE	FRA	200 M. BACK		
2:35.57	WERNER SCHNABEL	GER	1:27.16	GUNTER SCHMAH	GER	31.06	RUDI VAN ESS	GER	2:56.59	BURWELL JONES	USA
2:36.39	CHARLES THOMANN	FRA	1:27.45	BERND WUNSCH	GER	31.37	J.LOUIS LE DALL	FRA	2:58.62	S.SEKIKAWA	JPN
400 M. FREE			1:28.46	RINALDO FERREIRA	BRA	31.55	CHUCK BALDWIN	USA	3:01.26	YOSHI OYAKAWA	USA
5:57.37	JOHN STARR	GBR	1:28.55	HANS REICHEL	GER	31.86	YOSHI OYAKAWA	USA	3:04.17	MAMPEI SEINO	JPN
5:01.81	FABRIZIO MOMONI	ITA	1:28.56	RYOJI ABE	JPN	31.94	WALTER LINCOLN	USA	3:05.24	TOM WALKER	GBR
5:17.62	DAVID HARRISON	USA	1:28.88	PETER BELL	CAN	100 M. FREE			3:14.70	ALAN RAPPERPORT	USA
5:26.79	NIC GEERS	NED	1:29.09	JURGEN SCHUBERT	GER	1:08.39	DONALD HILL	USA	3:16.81	BOB BARRY	AUS
5:28.14	CAV CAVANAUGH	USA	200 M. BRST		1:08.57	BURWELL JONES	USA	3:17.15	CLARKE MITCHELL	USA	
5:30.74	MASATO YOSHINO	JPN	3:08.14	YOSHIAKI AOKI	JPN	1:08.98	RON JOHNSON	USA	3:18.50	ROBERT MAYO	USA
5:33.84	DAVID RADCLIFF	USA	3:09.55	HANS REICHEL	GER	1:09.06	WOLFRAM GOTTFRIED	GER	3:22.73	JOHN GRAVE	CAN
5:34.08	JERRY CLARK	USA	3:11.51	TONY GOODWIN	AUS	1:10.23	YOSHI OYAKAWA	USA	50 M. BRST		
5:38.47	ERNIE LESKOVITZ	USA	3:15.67	GUNTER SCHMAH	GER	1:10.48	SHINGO YAMAMOTO	JPN	38.29	MANUEL SANGUILY	USA
5:42.00	GERHARD HOLE	GER	3:16.67	CHRISTIAN THIESS	AUS	1:10.72	GRAHAM JOHNSTON	USA	39.14	TOM WALKER	GBR
800 M. FREE			3:17.90	TOM WALKER	GBR	1:12.61	ALDO EMINENTE	FRA	39.34	WERNER MULLER	GER
10:26.60	FABRIZIO MOMONI	ITA	3:18.82	DICK PETERSON	USA	1:12.69	WALTER LINCOLN	USA	40.10	VITEZSLAV SVOZIL	CZE
11:22.69	NIC GEERS	NED	3:18.89	CLAUDIO NEGRI	ITA	1:13.80	EROS STELLA	ITA	40.38	MYRON LOCKEY	USA
11:23.95	MARTY MENNEN	USA	3:19.35	DAVE MCLACHLAN	RSA	200 M. FREE			40.45	TSUTOMU KAJIHARA	JPN
11:28.28	DAVID RADCLIFF	USA	3:20.30	BOB PATTEN	USA	2:34.31	GRAHAM JOHNSTON	USA	40.50	JOHN KORTHEUER	USA
11:41.76	JERRY CLARK	USA	50 M. FLY		2:36.82	BURWELL JONES	USA	40.74	SHUNSAKU TAKAHIRA	JPN	
12:01.30	MEL GOLDSTEIN	USA	31.41	BERT PETERSEN	USA	2:44.22	DAVE ANDERSON	USA	40.75	RUDI VAN ESS	GER
12:11.86	GERHARD HOLE	GER	31.84	PETER BERGENGREN	SWE	2:47.19	ALDO EMINENTE	FRA	41.08	BOB BEST	USA
12:16.99	CYRIL THOMAS	GBR	31.97	BOB BAILIE	USA	2:48.04	BOB BARRY	AUS	100 M. BRST		
12:17.59	JOHN PUGH	AUS	32.53	JOHN SMITH	USA	2:48.37	ARAM BOGHOSSIAN	BRA	1:27.85	TOM WALKER	GBR
12:17.59	BRENT LAKE	USA	32.59	HIROSHI MATSUMOTO	JPN	2:48.43	J.LOUIS LE DALL	FRA	1:29.19	WERNER MULLER	GER
1500 M. FREE			33.03	STANLEY CLARKE	GBR	2:49.70	ROBERT MAYO	USA	1:29.52	MANUEL SANGUILY	USA
21:00.77	DAVID HARRISON	USA	33.37	CAV CAVANAUGH	USA	2:50.97	FUMIO EGAMI	JPN	1:30.29	SHUNSAKU TAKAHIRA	JPN
22:09.37	DAVID RADCLIFF	USA	33.50	MANFRED BONICKE	GER	2:52.55	WERNER MULLER	GER	1:30.85	TSUTOMU KAJIHARA	JPN
22:40.56	NIC GEERS	NED	33.68	KAZUYA NISHINO	JPN	400 M. FREE			1:31.20	VITEZSLAV SVOZIL	CZE
22:53.41	CYRIL THOMAS	GBR	33.71	WOLFGANG SIEBER	GER	5:28.97	BURWELL JONES	USA	1:34.35	RUDI VAN ESS	GER
22:55.94	GERHARD HOLE	GER	100 M. FLY		5:48.29	DONALD HILL	USA	1:35.01	BOB BEST	USA	
23:16.28	GEORGE BRUNSTAD	USA	1:20.56	WOLFGANG SIEBER	GER	5:53.08	BOB BARRY	AUS	1:35.95	JOHN KORTHEUER	USA
23:25.30	JOHN PUGH	AUS	1:20.86	BERT PETERSEN	USA	6:00.81	WERNER MULLER	GER	1:36.35	ERIVALDO LIMA	BRA
23:26.20	HANS LINDSTROM	SWE	1:22.18	DAVID CUMMING	GBR	6:00.85	JOSEF KREJCI	SUI	200 M. BRST		
23:30.98	BERND REHBEIN	GER	1:22.56	PETER BERGENGREN	SWE	6:02.42	GRAHAM JOHNSTON	USA	3:10.33	TOM WALKER	GBR
23:52.81	REG HARKER	NZL	1:23.94	GENICHI IGARASHI	JPN	6:10.02	ALAN RAPPERPORT	USA	3:19.82	TSUTOMU KAJIHARA	JPN

World Masters Top 10

LCM (50 M)

3:24.61	WERNER MULLER	GER	1:19.03	HIROSHI YAMAZAKI	JPN	50 M. BRST	8:56.74	H.MURAMATSU	JPN
3:25.96	SHUNSAKU TAKAHIRA	JPN	1:19.22	FRANK PIEMME	USA	41.69 CHARLES URSTADT	9:15.99	ISAAC SISKIND	USA
3:31.80	VITEZSLAV SVOZIL	CZE	1:20.46	KARL HAUTER	GER	42.12 GERHARD GIERA	10:30.82	ART KELLEY	USA
3:33.09	BOB BEST	USA	1:21.00	TOSHIO SHIMIZU	JPN	42.16 HORST FRITZSCHE	11:08.99	ELMER LUKE	USA
3:33.17	RUDI VAN ESS	GER	1:21.62	HIROSHI IMAIZUMI	JPN	42.20 TOSHIO TAJIMA	12:06.60	JEAN LANGET	FRA
3:33.23	ERIVALDO LIMA	BRA	1:21.71	DALE WEBSTER	USA	42.26 ZENJI NAKAHARI			
3:34.69	TAKAO OKAMOTO	JPN	200 M. FREE			42.80 HORST FRITSCHE	*****		
3:37.80	JORG FAUST	GER	2:46.28	HIROSHI YOSHIMURA	JPN	42.91 IWAO YAMAMOTO	M E N 80-84		
50 M. FLY			2:54.11	ROD BAKER	AUS	42.94 RYUJI HASHIMOTO	*****		
33.48	RON JOHNSON	USA	3:04.37	KARL HAUTER	GER	44.15 TADASU MATSUOKA	50 M. FREE		
33.61	J.LOUIS LE DALL	FRA	3:04.77	TOSHIO SHIMIZU	JPN	44.42 WERNER ASSMANN	33.12	KEIJIRO NAKAMURA	JPN
34.98	WERNER MULLER	GER	3:05.85	MAURICE LUSIEN	FRA	100 M. BRST	34.11	SADAYUKI WAKAI	JPN
35.44	TSUTOMU KAJIHARA	JPN	3:06.00	FRANK PIEMME	USA	1:36.35 GERHARD GIERA	35.53	ROGER HALIMI	FRA
35.49	TAKASHI HAYASHI	JPN	3:08.29	RICHARD HARTLEY	AUS	1:36.58 KARL HAUTER	35.82	JOHN FLORANCE	USA
35.50	MASAYASU KAMIYA	JPN	3:08.91	ROGER FRANKS	USA	1:40.32 IWAO YAMAMOTO	36.00	MASAKI INABA	JPN
36.22	SEYMOUR BANNING	GBR	3:09.23	ALLEN MILES	GBR	1:40.35 ROBERT MACDONALD	36.11	ATTILIO CHIODO	ITA
36.38	HERB KERN	USA	3:10.46	HIROSHI IMAIZUMI	JPN	1:40.42 ZENJI NAKAHARI	36.25	HIDEAKI KATO	JPN
36.72	ALDO EMINENTE	FRA	400 M. FREE			1:41.65 TADASU MATSUOKA	36.96	RENATO SALATI	RSA
36.75	ANTONIO SOUZA	BRA	5:57.23	HIROSHI YOSHIMURA	JPN	1:42.00 CHARLES URSTADT	37.21	KEVIN VICKERY	AUS
100 M. FLY			6:18.29	SEBASTIAO ROSA	BRA	1:42.10 HORST FRITSCHE	37.53	ANDREW HOLDEN	USA
1:22.55	WERNER MULLER	GER	6:25.02	ROD BAKER	AUS	1:42.78 RYUJI HASHIMOTO	100 M. FREE		
1:23.69	SEYMOUR BANNING	GBR	6:26.91	KARL HAUTER	GER	1:43.08 WERNER ASSMANN	1:17.11	KEIJIRO NAKAMURA	JPN
1:25.87	TAKASHI HAYASHI	JPN	6:29.11	MAURICE LUSIEN	FRA	200 M. BRST	1:22.65	KEVIN VICKERY	AUS
1:25.91	WOLFRAM GOTTFRIED	GER	6:34.44	ROGER FRANKS	USA	3:34.11 KARL HAUTER	1:24.69	SADAYUKI WAKAI	JPN
1:29.44	MASAYASU KAMIYA	JPN	6:36.04	TOSHIO SHIMIZU	JPN	3:36.45 ROBERT MACDONALD	1:27.80	ATTILIO CHIODO	ITA
1:31.56	HEINZ KRAUSS	GER	6:44.49	HIROSHI IMAIZUMI	JPN	3:44.35 TADASU MATSUOKA	1:27.83	JOHN FLORANCE	USA
1:32.56	ERIVALDO LIMA	BRA	6:47.38	MINORU NAGASHIMA	JPN	3:47.76 WERNER ASSMANN	1:28.15	MASAKI INABA	JPN
1:33.53	HERB KERN	USA	6:50.73	W MORGAN BYERS	USA	3:48.89 HORST FRITSCHE	1:29.44	JURGEN SCHMIDT	USA
1:36.81	TAKASHI SATO	JPN	800 M. FREE			3:53.55 IWAO YAMAMOTO	1:29.48	ROGER HALIMI	FRA
1:38.12	TOSHIMASA MINAMI	JPN	13:13.53	ROD BAKER	AUS	3:57.49 CHARLES URSTADT	1:30.23	KATSUZO SHIRAYAMA	JPN
200 M. FLY			13:27.54	MAURICE LUSIEN	FRA	3:57.52 FRANK PIEMME	1:30.46	GILBERT YOUNG	USA
3:16.06	WERNER MULLER	GER	14:07.65	STAN JACOBS	AUS	3:58.46 RYUJI HASHIMOTO	200 M. FREE		
3:19.53	TAKASHI HAYASHI	JPN	14:21.31	ROGER FRANKS	USA	4:00.16 JAMES GREEN	3:05.01	KEVIN VICKERY	AUS
3:21.84	SEYMOUR BANNING	GBR	14:27.90	HORST FRITZSCHE	GER	50 M. FLY	3:11.36	JURGEN SCHMIDT	USA
3:35.83	HERB KERN	USA	14:31.35	W MORGAN BYERS	USA	39.82 FRANK PIEMME	3:17.68	HIDEAKI KATO	JPN
3:46.52	BOB BEST	USA	14:50.15	GERHARD GROSSER	GER	40.14 SILVANO DANIELI	3:23.84	STEVE WILKES	AUS
3:51.04	FUMIO EGAMI	JPN	14:53.07	ED KERSWILL	USA	40.41 GERHARD GIERA	3:25.46	NILS KLING	SWE
3:51.19	TOSHIMASA MINAMI	JPN	14:56.68	JAIME PORTILLA	MEX	40.79 Y.MATSUURA	3:34.78	SHIGEMASA OKAJIMA	JPN
3:51.24	JORG FAUST	GER	15:00.80	ZAVEN BOGHOSSIAN	BRA	41.79 LOTHAR KREMER	3:35.21	DOMINIK KOZA	GER
3:56.12	MANFRED BICKEL	GER	1500 M. FREE			42.11 MINORU NAGASHIMA	3:35.64	HIRONARI UEDA	JPN
3:59.82	HENRI THEOLAT	FRA	26:53.71	HIROSHI IMAIZUMI	JPN	44.03 JAN ZIEGLER	3:38.61	JAMES EDWARDS	USA
200 M. I.M.			27:04.50	DOMENICO CASOLINO	ITA	44.40 ROLF STELLRECHT	3:42.33	HERBERT HOEPTNER	USA
2:58.06	BURWELL JONES	USA	27:16.17	ROGER FRANKS	USA	45.21 JOSEPH KURTZMAN	400 M. FREE		
3:07.92	WERNER MULLER	GER	27:20.48	HORST FRITSCHE	GER	45.75 MAX VAN GELDER	6:39.26	KEVIN VICKERY	AUS
3:16.09	TSUTOMU KAJIHARA	JPN	27:53.40	W MORGAN BYERS	USA	100 M. FLY	7:00.96	JURGEN SCHMIDT	USA
3:16.56	BOB BEST	USA	28:21.86	GERHARD GROSSER	GER	1:39.54 SILVANO DANIELI	7:10.98	HIDEAKI KATO	JPN
3:17.21	MASAYASU KAMIYA	JPN	28:33.30	STAN JACOBS	AUS	1:41.45 ROBERT MACDONALD	7:22.57	GILBERT YOUNG	USA
3:17.58	ALAN RAPPERPORT	USA	28:55.27	ED KERSWILL	USA	1:42.67 KARL HAUTER	7:29.67	NILS KLING	SWE
3:21.27	JOSEF KREJCI	SUI	29:00.67	FRANK SAMOYA	USA	1:43.96 MINORU NAGASHIMA	7:40.27	HERBERT HOEPTNER	USA
3:26.58	ROGER BURRELL	GBR	29:08.75	JORDAN WOLLE	USA	1:46.09 MAURICE LUSIEN	7:53.58	JAMES EDWARDS	USA
3:26.73	BOB BARRY	AUS	50 M. BACK			1:50.68 JAN ZIEGLER	7:54.88	DOMINIK KOZA	GER
3:27.97	JORG FAUST	GER	40.42 SHOICHI SHIDA	JPN	1:56.11 JOSEPH KURTZMAN	1:56.11 JOSEPH KURTZMAN	8:04.80	HAROLD DODD	GBR
400 M. I.M.			42.71 ROD BAKER	AUS	2:03.56 ERICH DILFER	2:03.56 ERICH DILFER	8:05.27	TOSHIKAZU NAKA	JPN
6:32.11	BURWELL JONES	USA	42.71 PAUL HUTINGER	USA	2:07.50 H.MURAMATSU	2:07.50 H.MURAMATSU	800 M. FREE		
7:01.55	HERB KERN	USA	42.85 MAX VAN GELDER	NED	2:08.14 ALDO MANFROI	2:08.14 ALDO MANFROI	14:14.53	KEVIN VICKERY	AUS
7:24.39	ALAN RAPPERPORT	USA	43.60 G.SHIMOMOTO	JPN	200 M. FLY	200 M. FLY	14:30.12	JURGEN SCHMIDT	USA
7:24.56	BOB BEST	USA	43.76 ZAVEN BOGHOSSIAN	BRA	3:41.74 KARL HAUTER	3:41.74 KARL HAUTER	15:31.22	NILS KLING	SWE
7:43.90	SEYMOUR BANNING	GBR	43.78 DALE WEBSTER	USA	3:47.12 MAURICE LUSIEN	3:47.12 MAURICE LUSIEN	15:39.52	GILBERT YOUNG	USA
7:44.84	JORG FAUST	GER	44.45 F.YANAGISAWA	JPN	3:47.99 THOMAS MAINE	3:47.99 THOMAS MAINE	15:59.33	JAMES EDWARDS	USA
7:50.89	CHRISTOPHER SMITH	CAN	44.89 ERICH DILFER	GER	3:53.19 MINORU NAGASHIMA	3:53.19 MINORU NAGASHIMA	16:37.75	FERNANDO NAJERA	MEX
7:51.92	C WEATHERBEE	USA	45.15 HAYAO UJIHARA	JPN	3:58.24 SILVANO DANIELI	3:58.24 SILVANO DANIELI	16:39.97	HERBERT HOEPTNER	USA
7:51.99	PATRICK GALVIN	AUS	100 M. BACK			4:04.73 JAN ZIEGLER	16:43.13	HISAO HORIKAWA	JPN
8:08.37	MANFRED BICKEL	GER	1:34.42 ROGER FRANKS	USA	4:23.14 ERICH DILFER	4:23.14 ERICH DILFER	17:03.04	PAUL LACASSAGNE	FRA
			1:36.96 PAUL HUTINGER	USA	4:44.45 JOSEPH KURTZMAN	4:44.45 JOSEPH KURTZMAN	17:07.90	RENATO SALATI	RSA
*****			1:37.00 DALE WEBSTER	USA	5:20.56 SABURO MASUDA	JPN	1500 M. FREE		
			1:37.31 F.YANAGISAWA	JPN	5:35.87 ART KELLEY	USA	27:14.31	JURGEN SCHMIDT	USA
			1:38.18 G.SHIMOMOTO	JPN	200 M. I.M.	200 M. I.M.	29:40.58	KEVIN VICKERY	AUS
			1:38.35 KARL HAUTER	GER	3:26.14 KARL HAUTER	GER	30:39.50	JAMES EDWARDS	USA
			1:40.93 SHOICHI NAKAGAWA	JPN	3:34.41 ROBERT MACDONALD	USA	31:35.30	HISAO HORIKAWA	JPN
			1:41.25 JAN ZIEGLER	CZE	3:36.85 JAN ZIEGLER	CZE	32:47.44	KARL BAYERLEIN	GER
			1:41.63 MIKIO FUJIWARA	JPN	3:42.82 THOMAS MAINE	USA	33:03.71	HAROLD DODD	GBR
			1:43.39 Y.KAWAMOTO	JPN	3:44.69 HIROSHI IMAIZUMI	JPN	33:33.34	RICHARD SMITH	USA
			200 M. BACK			3:46.98 ROGER FRANKS	33:37.24	DOMINIK KOZA	GER
			3:27.54 ROGER FRANKS	USA	3:47.72 FRANK PIEMME	USA	34:36.44	TOM MCCALL	USA
			3:35.27 G.SHIMOMOTO	JPN	3:49.19 SILVANO DANIELI	ITA	34:52.16	PAUL LACASSAGNE	FRA
			3:35.61 KARL HAUTER	GER	3:52.31 W MORGAN BYERS	USA	50 M. BACK		
			3:39.55 MIKIO FUJIWARA	JPN	3:52.85 ROBERT CUNNINGHAM	USA	38.41	KEIJIRO NAKAMURA	JPN
			3:39.94 SHOICHI NAKAGAWA	JPN	400 M. I.M.	400 M. I.M.	42.79	MASAKI INABA	JPN
			3:41.38 F.YANAGISAWA	JPN	7:41.97 THOMAS MAINE	USA	45.51	ROGERS HOLMES	USA
			3:43.60 JAN ZIEGLER	CZE	7:44.75 KARL HAUTER	GER	46.25	ANDREW HOLDEN	USA
			3:43.70 PAUL HUTINGER	USA	8:16.87 ERICH DILFER	GER	47.68	GORO TANIGUCHI	JPN
			3:43.95 DALE WEBSTER	USA	8:36.01 ROBERT CUNNINGHAM	USA	47.86	SATORU KATO	JPN
			3:46.86 Y.KAWAMOTO	JPN	8:42.54 ALDO MANFROI	BRA	48.48	JURGEN SCHMIDT	USA

World Masters Top 10

LCM (50 M)

48.50	KEVIN VICKERY	AUS	5:33.42	DOMINIK KOZA	GER	50.81	M.FUKUSHIMA	JPN	50	M. FREE	
48.53	KAIZO WATANABE	JPN	5:51.57	RICHARD SMITH	USA	52.15	ARTHUR THOMAS	AUS	39.19	WOODY BOWERSOCK	USA
48.59	GAETANO PAVONE	USA	6:04.08	ANTONIO FIGUERO	ESP	53.00	GODFREY WILLIAMS	AUS	45.72	MASAHISA KANEKO	JPN
100	M. BACK		7:22.29	JAY CHARLES	USA	53.10	NILS FERM	SWE	47.05	KAZUNAGA AKUTSU	JPN
1:26.97	KEIJIRO NAKAMURA	JPN	10:17.38	DAN MCNEIL	USA	54.93	EDWARD SHEA	USA	47.34	R.REINSTADTLER	GER
1:42.95	ROGERS HOLMES	USA	200	M. I.M.		56.13	JOHN MERRILL	USA	47.67	MASAO UEDA	JPN
1:46.46	NILS KLING	SWE	3:59.62	JURGEN SCHMIDT	USA	56.96	SHOJI MIZUTA	JPN	54.54	HEINZ HILLIGER	GER
1:46.90	KEVIN VICKERY	AUS	4:06.79	ISAO FUNAMOTO	JPN	57.91	TOM HAVER	USA	55.21	GARY WEISENTHAL	USA
1:47.77	GAETANO PAVONE	USA	4:09.50	KEVIN VICKERY	AUS	100	M. BACK		57.87	L CROSSETT	USA
1:49.30	KAIZO WATANABE	JPN	4:29.48	TOM MCCALL	USA	1:50.84	GORO KOBAYASHI	JPN	1:04.85	GASTAO FIGUEIREDO	BRA
1:52.96	GORO TANIGUCHI	JPN	4:30.11	DOMINIK KOZA	GER	1:57.39	GODFREY WILLIAMS	AUS	1:12.69	FRED WALBOLT	USA
1:54.16	H.REITEMEYER	GER	4:37.09	HIRONARI UEDA	JPN	1:59.03	RYUJI FUJIKAWA	JPN	100	M. FREE	
1:54.56	JAMES EDWARDS	USA	4:38.06	KAIZO WATANABE	JPN	2:00.38	JOHN MERRILL	USA	1:43.22	WOODY BOWERSOCK	USA
1:54.95	H.MIYAZAKI	JPN	4:42.03	CLARENCE WEBB	USA	2:03.46	ARTHUR THOMAS	AUS	1:53.29	MASAHISA KANEKO	JPN
200	M. BACK		4:46.01	RICHARD SMITH	USA	2:05.57	ED SHEA	USA	1:56.79	KAZUNAGA AKUTSU	JPN
3:52.27	KEVIN VICKERY	AUS	4:50.63	WALTER SCHUBERT	GER	2:06.18	NILS FERM	SWE	1:58.36	R.REINSTADTLER	GER
3:54.47	ROGERS HOLMES	USA	400	M. I.M.		2:12.28	TOKUSHI KOMEDA	JPN	2:19.86	L CROSSETT	USA
3:58.93	NILS KLING	SWE	9:26.33	HIRONARI UEDA	JPN	2:14.98	FRED HOLDREGE	USA	2:23.53	GARY WEISENTHAL	USA
4:03.23	KAIZO WATANABE	JPN	9:59.05	DOMINIK KOZA	GER	2:17.42	SHOJI MIZUTA	JPN	2:34.46	FRED WALBOLT	USA
4:06.63	H.MIYAZAKI	JPN	10:40.17	ANTONIO FIGUERO	ESP	200	M. BACK		2:40.17	ETSURO YASUI	JPN
4:07.43	GAETANO PAVONE	USA	10:53.55	MIKE KEVI	AUS	4:18.24	TOSHIJI SATO	JPN	3:23.42	SAMUEL JAIME	MEX
4:14.75	JAMES EDWARDS	USA	10:55.03	RICHARD SMITH	USA	4:22.20	JOHN MERRILL	USA	3:50.34	T.VASCONCELLOS	BRA
4:18.53	CLARENCE WEBB	USA	13:27.29	JAY CHARLES	USA	4:27.92	GODFREY WILLIAMS	AUS	200	M. FREE	
4:20.19	H.REITEMEYER	GER	13:31.33	VLADIMIR OUCHAKOF	USA	4:30.60	RYUJI FUJIKAWA	JPN	4:10.40	WOODY BOWERSOCK	USA
4:21.88	KARL BAYERLEIN	GER	15:47.13	DAN MCNEIL	USA	4:31.47	ARTHUR THOMAS	AUS	4:20.68	MASAHISA KANEKO	JPN
50	M. BRST					4:43.67	ED SHEA	USA	5:06.92	L CROSSETT	USA
47.81	SADAYUKI WAKAI	JPN	*****			4:49.46	WILLI WINDEL	GER	5:42.84	R.REINSTADTLER	GER
48.80	LUDWIG GEBURZI	GER		M E N 85-89		4:50.78	FRED HOLDREGE	USA	5:51.90	FRED WALBOLT	USA
49.52	TAKESHI YASUKAWA	JPN	*****			4:58.87	DICK GUIDO	USA	400	M. FREE	
50.27	KOSAKU ASADA	JPN	50	M. FREE		5:07.59	JEAN LEEMPUT	FRA	9:39.37	WOODY BOWERSOCK	USA
50.31	ISAO FUNAMOTO	JPN	39.09	HIDEYA FUJII	JPN	50	M. BRST		10:47.11	R.REINSTADTLER	GER
51.50	H.REITEMEYER	GER	40.24	ARTHUR THOMAS	AUS	49.70	Y.MIYAMOTO	JPN	11:03.26	NOBUO USHIMI	JPN
51.97	H.SCHULEN	GER	40.28	WILLIAM JOHNSTON	USA	52.39	ALDO DAROSA	USA	11:14.94	L CROSSETT	USA
52.67	WALTER MINNICH	GER	40.48	M.FUKUSHIMA	JPN	52.53	HIROMU YOSHIMOTO	JPN	11:41.78	FRED WALBOLT	USA
52.97	TOM DOWELL	USA	40.75	GODFREY WILLIAMS	AUS	54.66	PAUL KRUP	USA	800	M. FREE	
53.58	KATSUZO SHIRAYAMA	JPN	40.95	BRUD CLEAVELAND	USA	58.30	BRUD CLEAVELAND	USA	21:07.17	WOODY BOWERSOCK	USA
100	M. BRST		42.05	DENIS JOY	AUS	1:00.53	RUSS WITTE	USA	29:34.41	GARY WEISENTHAL	USA
1:50.46	SADAYUKI WAKAI	JPN	43.75	TOKUSHI KOMEDA	JPN	1:01.75	ALDO CAPUTI	ITA	1500	M. FREE	
1:52.56	ISAO FUNAMOTO	JPN	45.43	GEORGE CORONES	AUS	1:02.89	WILLIAM JOHNSTON	USA	51:09.50	GARY WEISENTHAL	USA
1:53.18	KOSAKU ASADA	JPN	45.60	ALDO CAPUTI	ITA	1:03.94	HEINZ SIEGEL	GER	50	M. BACK	
1:55.63	H.REITEMEYER	GER	100	M. FREE		1:04.07	MASAHARU HAMANO	JPN	54.41	MASAHISA KANEKO	JPN
1:55.67	LUDWIG GEBURZI	GER	1:32.51	GORO KOBAYASHI	JPN	100	M. BRST		55.98	KAZUNAGA AKUTSU	JPN
1:58.72	TAKESHI YASUKAWA	JPN	1:33.47	GODFREY WILLIAMS	AUS	2:00.89	ALDO DAROSA	USA	56.43	WOODY BOWERSOCK	USA
2:00.42	SIEGFRIED PANKOW	GER	1:38.04	ARTHUR THOMAS	AUS	2:13.55	BRUD CLEAVELAND	USA	59.88	HEINZ HILLIGER	GER
2:01.99	MAX VONISSER	USA	1:39.13	WILLIAM JOHNSTON	USA	2:15.02	PAUL KRUP	USA	1:00.63	R.REINSTADTLER	GER
2:03.30	ALFRED SCHULHOF	CAN	1:41.42	TOKUSHI KOMEDA	JPN	2:18.75	RUSS WITTE	USA	1:04.54	SHOGORO AZUMA	JPN
2:03.61	YUTAKA MORITA	JPN	1:42.03	BRUD CLEAVELAND	USA	2:30.36	WILLIAM JOHNSTON	USA	1:05.89	GARY WEISENTHAL	USA
200	M. BRST		1:43.62	DICK GUIDO	USA	2:42.47	JACK MATHIESON	AUS	1:10.14	GASTAO FIGUEIREDO	BRA
4:06.92	ISAO FUNAMOTO	JPN	1:46.27	NILS FERM	SWE	2:45.82	SHOJI MIZUTA	JPN	1:33.09	SAMUEL JAIME	MEX
4:27.41	WALTER LYNCH	USA	1:47.96	DENIS JOY	AUS	2:46.18	MASAHARU HAMANO	JPN	1:37.54	FRED WALBOLT	USA
4:30.99	SEITA INAYOSHI	JPN	1:49.86	SABURO IWASAKI	JPN	2:47.81	CRISOFORO IBANEZ	MEX	100	M. BACK	
4:31.21	SIEGFRIED PANKOW	GER	200	M. FREE		2:53.09	JIM PANTON	CAN	2:10.36	WOODY BOWERSOCK	USA
4:42.21	RAYMOND HAKOMAKI	USA	3:36.94	GODFREY WILLIAMS	AUS	200	M. BRST		2:11.19	MASAHISA KANEKO	JPN
4:42.23	NORMAN GARSOE	USA	3:50.00	ARTHUR THOMAS	AUS	4:25.31	ALDO DAROSA	USA	2:16.29	R.REINSTADTLER	GER
4:44.73	ALFRED SCHULHOF	CAN	4:01.10	SABURO IWASAKI	JPN	5:07.64	RUSS WITTE	USA	2:41.73	GARY WEISENTHAL	USA
4:48.22	AD BOMINAAR	NED	4:03.12	NILS FERM	SWE	5:47.44	JACK MATHIESON	AUS	3:17.30	FRED WALBOLT	USA
4:54.43	ABRASHA BRAININ	USA	4:06.02	RYUJI FUJIKAWA	JPN	5:53.49	MASAHARU HAMANO	JPN	3:17.37	BOYD CAMPBELL	USA
4:54.69	TOM MCCALL	USA	4:23.95	WILLIAM JOHNSTON	USA	5:57.94	WILLIAM JOHNSTON	USA	3:25.02	SAMUEL JAIME	MEX
50	M. FLY		4:27.42	HEINZ SIEGEL	GER	6:02.18	SHOJI MIZUTA	JPN	4:19.31	GEORGES PICARD	FRA
44.97	ANDREW HOLDEN	USA	4:32.43	GEORGE MAY	USA	7:16.34	ANTOINE MAZOYER	FRA	200	M. BACK	
46.93	ROGERS HOLMES	USA	4:42.54	BRUD CLEAVELAND	USA	50	M. FLY		4:41.84	R.REINSTADTLER	GER
48.20	JURGEN SCHMIDT	USA	5:07.53	JOSE LUIS GLORIA	BRA	58.75	ALDO DAROSA	USA	4:58.86	WOODY BOWERSOCK	USA
53.08	KAKUICHI YANAGAWA	JPN	400	M. FREE		59.15	PAUL KRUP	USA	5:52.18	GARY WEISENTHAL	USA
53.16	LUDWIG GEBURZI	GER	7:59.07	ALDO DAROSA	USA	1:01.52	WILLIAM JOHNSTON	USA	6:10.05	GASTAO FIGUEIREDO	BRA
53.87	HIRONARI UEDA	JPN	8:13.30	ARTHUR THOMAS	AUS	1:06.91	TOKUSHI KOMEDA	JPN	6:24.30	NOBUO USHIMI	JPN
58.57	WALTER SCHUBERT	GER	8:40.97	DICK GUIDO	USA	1:08.60	HEINZ SIEGEL	GER	7:01.51	FRED WALBOLT	USA
59.24	YUTAKA MORITA	JPN	9:45.52	HEINZ SIEGEL	GER	1:10.94	ALDO CAPUTI	ITA	7:08.45	SAMUEL JAIME	MEX
1:00.55	RICHARD SMITH	USA	10:39.67	JOSE LUIS GLORIA	BRA	100	M. FLY		9:28.08	GEORGES PICARD	FRA
1:04.73	STUART SOMERVILLE	AUS	11:35.70	WILLIAM JOHNSTON	USA	2:28.58	WILLIAM JOHNSTON	USA	50	M. BRST	
100	M. FLY		12:55.00	FRANK TILLOTSON	USA	2:28.93	PAUL KRUP	USA	1:08.83	MASAHISA KANEKO	JPN
2:03.80	ANDREW HOLDEN	USA	800	M. FREE		2:41.53	ALDO CAPUTI	ITA	1:11.21	R.REINSTADTLER	GER
2:05.12	HIRONARI UEDA	JPN	17:42.70	NILS FERM	SWE	200	M. FLY		1:55.41	GEORGE BATKI	USA
2:07.16	LUDWIG GEBURZI	GER	17:48.28	ARTHUR THOMAS	AUS	5:35.48	ALDO CAPUTI	ITA	2:44.08	T.VASCONCELLOS	BRA
2:24.15	RICHARD SMITH	USA	20:04.44	LYNN SURLS	USA	6:19.15	WILLIAM JOHNSTON	USA	100	M. BRST	
2:35.09	DOMINIK KOZA	GER	21:45.92	WILLIAM JOHNSTON	USA	200	M. I.M.		2:31.82	MASAHISA KANEKO	JPN
2:42.70	ANTONIO FIGUERO	ESP	23:54.29	HOWARD HOLMES	NZL	4:16.31	ALDO DAROSA	USA	2:46.78	WALTER PFEIFER	USA
3:15.74	JACK BRINK	USA	1500	M. FREE		5:04.36	WILLIAM JOHNSTON	USA	200	M. BRST	
3:18.10	JAY CHARLES	USA	35:51.69	ARTHUR THOMAS	AUS	400	M. I.M.		5:37.00	MASAHISA KANEKO	JPN
3:20.63	WALLY MARTIN	NZL	46:45.49	HOWARD HOLMES	NZL	11:23.79	WILLIAM JOHNSTON	USA	6:26.72	WALTER PFEIFER	USA
3:23.52	JOAO FARIAS	BRA	50:15.89	WILLIAM JOHNSTON	USA				50	M. FLY	
200	M. FLY		50	M. BACK		*****			1:00.30	WALTER PFEIFER	USA
4:37.77	HIRONARI UEDA	JPN	45.83	GORO KOBAYASHI	JPN		M E N 90-94		100	M. FLY	
4:57.38	ANDREW HOLDEN	USA	50.55	TOSHIJI SATO	JPN	*****			2:31.03	WALTER PFEIFER	USA

World Masters Top 10
LCM (50 M)

200 M. FLY		ATIE PIJTAK				RUTH BENNETT		
5:51.79 WALTER PFEIFER	USA	LIDIA VAN BON		AGE 200-239		LAURA WALKER		
200 M. I.M.		SV NEPTUN HERNE	GER	1:55.98	NEM	MARCIA BARRY		
5:12.11 WALTER PFEIFER	USA	PETRA DUDA			USA	2:09.47	DCM	USA
400 M. I.M.		ANDREA ROGALLA						2:30.07
11:19.91 WALTER PFEIFER	USA	TANJA BLOCH			JACKI HIRSTY			
		T.DEGENKOLBE			BARB HANDLER			
*****		NEPTUNE CLUB	FRA	2:02.50	CLAIRE O'BRIEN			
M E N 95-99					TRACY GRILLI			
*****		MURIEL ANDURAND			1776	USA	2:11.06	
50 M. FREE		BLANDINE FAHY			S WALSH BEILMAN			CONN
1:06.93 ALFREDO CHERCHI	AUS	ISABELLE THOMAS			JANE ZIEGLER			USA
1:48.40 HANS HAHN	GER	SANDRINE LE GALL			CECILIA MCCLOSKEY			2:33.62
50 M. BACK		AQUATIC	SUI	2:03.04	DOT MUNGER			MEREDITH MOORE
1:41.25 ALFREDO CHERCHI	AUS	SONJA GWERDER			SWIM NETWORK	JPN	2:11.46	SUZANNE GRAHAM
100 M. BACK		ROBERTA BERNET			MISA FUNATSU			MARGIT JEBE
3:32.44 ALFREDO CHERCHI	AUS	ESTHER ISEPPI			MASAKO ENZAN			CHRISTIE HAYES
200 M. BACK		AMANDA PICARD			SETSUKO MIYAZAKI			HAKUYO S
8:20.31 ALFREDO CHERCHI	AUS	CFC PORTSQUARE	JPN	2:03.59	KEIKO NAGANO			JPN
		HITOMI TOSHIOKA			SG FRANKFURT	GER	2:13.80	2:34.08
		JUNKO SHIODA			B.LANGE-MROZINSKI			MITSUKO HAYASHI
		AKIKO KAWAGUCHI			HAIKE HOLER			MASAKO NISHIDE
*****		NORIKO KARAKAMA			ANNEROSE TROBISCH			FUMIKO NAKAMURA
RELAYS: WOMEN 200 M. FREE		SV GELNHAUSEN	GER	2:04.47	IRIS TECKENTRUP			AGE 280-319
*****		GABRIELE SCHAFFER			JUST	JPN	2:16.28	SWE
AGE 100-119		LOTTE HENNING			SACHIKO SAITO			2:48.27
DALLAS	USA	HEIKE HEEGER			SETSUKO SATO			KERSTIN GJORES
AMY MESCHKE		MEIKE MULLER			TOSHICO HARASHIMA			EVA-BRITT WIDAHN
MARGARET CLIFFORD		MEGALOS HACHIOJ	JPN	2:04.59	SETSUKO TANAKA			MARIANNE GRANE
LAURA KOCH		YUKO TOKUYAMA			CLAREMONT	AUS	2:18.30	B. HJALMARSSON
JENNIFER BROOKS		KIYOMI MITA			SALLY BELL			SUNWAY YOKOHAMA
NTMC	CAN	MAYUMI TATENO			JENNY WILLIAMS			JPN
DOMINIQUE CAMERON		KIYOKO HOKURA			BETT MONTGOMERY			2:50.55
KATIE OSBORNE		CENTRAL FC YOGA	JPN	2:04.76	PIP HAWSON			SHOKO YONEZAWA
MARIJANA PROMORAC		MASAKO HIROTA			NCMS	USA	2:19.67	YOKO SUGIYAMA
JANET MAYVILLE		AKIKO GOTO			HEATHER HAGEMAN			SHIGEKO TANAKA
DYNAMITE HIPS	JPN	SHIZUKA YOKO			SALLY NEWELL			MASAE KURATA
JUNKO OKOCHI		FUSAKO TAKINO			JEANNIE MITCHELL			WIN FUKUSHIMA
HINAKO ORI					KIM STOTT			JPN
RIE INAGUMA					FU	JPN	2:20.16	2:51.28
NATSUKO YAMAUCHI		AGE 160-199			HIROKO NAKAGAWA			YOSHIKO ITO
SO MILLAU	FRA	BSC ROBBEN BERL	GER	1:59.55	MISAKO SATAKE			TAKAKO SATO
SONIA WADELLE		ANDREA HALBACH			JUNKO IDE			AIKO GOTO
SYLVIE GACHES		S.FELGENTRAGER			TOMOMI SHIRASU			YOSHIKO SATO
STEPHANIE ALAUZE		BARBARA STUBBE			HOLIDAYTOYOHASH	JPN	2:20.43	OAHU KIOICHO
SANDRA TARDEZ		UTE ROMBERG			YUKIKO KATO			JPN
CN SANTA OLAYA	ESP	HADRIAN MASTERS	GBR	2:01.84	SAYOKO NAKAJIMA			2:53.59
LOPEZ					MARIKO SAKAI			HARUMI SUGIMOTO
GARCIA		WASSERFREUNDE W	GER	2:03.65	EIKO KUROKAMA			NORIKO YATSUNAMI
TERAN		SANDRA MIKOVIC			OAHU KIOICHO	JPN	2:20.45	KIYOE KOYAMA
TERAN		JUTTA MEEUW			TOMOKO TAMPO			AKIKO ONOHARA
A.T.BRASILIA	BRA	PETRA FOCKE			YOSHII FUNANO			SC NAS MACHIDA
		HEIDI UPPENKAMP			HIROKO KAYAMORI			JPN
SC HELLAS EINBE	GER	VMST	USA	2:04.23	KEIKO YAMADA			2:57.71
NICOLA HEISE		LISA BENNETT						KATSUE NOMURA
CELINA RATTAY		CAYCEE BUSCAGLIA			AGE 240-279			YOKO KOBAYASHI
ANJA KLEIN		DEBBIE JAEGER			SOLK HELLAS	SWE	2:19.97	YOSHIKO KINOSHITA
DANIELA BAUMGARDT		MARGARET GALE			MARGARETA RAINER			KEIKO YOKOTA
SG GLEMS	GER	BRAMASTERS	BRA	2:04.43	MARGIT OHLSSON			SUKOYAKA ST
IRINA HACKER					BRITT GRILLI			JPN
KATJA HECHEL		CFC FUTMAMTAGAW	JPN	2:05.08	HARRIET BURE			3:07.65
BRITTA VON EITZEN		HIDEKO HORI			JUEI CLUB	JPN	2:22.83	TERUKO UEDA
DASCHA BENSE		MACHIKO TAKEI			TERUKO NISHISAKO			YOKO SATO
AMERICA F.C.	BRA	HISAE NOJIMA			HARUMI MASUOKA			CHIZUKO TSUCHIDA
		ASKO SUZUKI			MIYOKO IMURA			EIKO SATO
MAJESTIC	NZL	EN TOURS	FRA	2:05.27	YURIKO NAGAMATSU			FC TOKYO DOME
LARISSA ARNEY		SYLVIE LE NOACH			SG NEUKOLLN BER	GER	2:23.73	JPN
NIKKI BOUCHEREAU		PASCALE HUMBERT			MARGA SCHULZE			3:08.32
JESSIE BILLS		CLAUDE VIALLE			MONIKA SENFTLEBEN			FUMI TSUCHIDA
IVANNA MOGIN		ELISABETH BEUCHER			PETRA HEWELCKE			KII SAITO
AGE 120-159		IWATSUKISHI	SUI	2:07.23	BRIGITTE MERTEN			HISAKO CHICHII
TEAM DASH	JPN	KAORI WATANABE			ISLAND TAKATSUK	JPN	2:26.03	CHIE WATANABE
YUKIKO OZAWA		MAKO SHIBAZAKI			KEIKO FUJIMOTO			MANLY MASTERS S
MIHO OKUHARA		KUNIYO SHINKAI			HISAKO SATO			AUS
CHIE UDA		YOKO NAKAMURA			MICHIKIO OTO			MARGARET HOUSTON
CHIHIRO SAITO		HAKUYO S	JPN	2:07.65	KAZUE OZAKI			BARBARA VICKERS
SG BAYER WUPPER	GER	MICHIE BAN			OAHU KIOICHO	JPN	2:28.38	LIZ WALLIS
STEFFI NIEMITZ		TOSHIE KIYOMOTO			SATOKO KAWATA			SUE JOHNS
ANDREA WINZER		HIROMI KIDO			HIROKO KAYAMORI			GOSFORD CITY SE
ANDREA HEUVENS		HARUMI SUGINUMA			TOSHICO SHIMIZU			AUS
A.REKOWSKI		WCM	USA	2:07.67	TERUKO MURAKAMI			3:14.68
AZ&PC	NED	CHARLENE OBRIEN			KINGS CORMORANT	GBR	2:28.71	VAL LINCOLN
PETRA FROWIJN		CAROL KESSLER			VMST	USA	2:28.80	ROSEMARY MCNAB
H.VAN NORDEN		DIANA DAYMOND			LUCILLE GRIFFIN			MARGARET DAVEY
		MICHELLE GHIGGERI						KAY GRAHAM
								ICARAI\INTTEGRA
								BRA
								3:17.24
								AGE 320-359
								OAHU KIOICHO
								JPN
								4:14.72
								AKIKO ONOHARA
								YOSHIKO WATANABE
								SUMIKO YANAGISAWA
								KATSUE EBATO
								YOKOHAMA SUIEIK
								JPN
								4:30.46
								CHIYOKO TAKIZAWA
								MASAKO MATSUNO
								MICHIKO TEJIMA
								CHIEKO TAKANO

								RELAYS: WOMEN 200 M. MEDLEY

								AGE 100-119

World Masters Top 10 LCM (50 M)

KOICHIRO IKEDA KONAMI HAMAMATS JPN SHOJI NAKANISHI TORU OKUDA TORU ONODA K.MAUTSURA C.VIAJANTES BRA	1:44.34 1:44.45	MATTHEW GILSON BRIAN CASEY GUY DAVIS PETER WORLAND SPM USA RUSSELL FRAZIER WILLIAM HEMPEL WILLIAM SPECHT STEVE ALLBRITTON TCC-COMPETITION BRA PE MASTERS BRA	1:44.88 1:46.13 1:46.66	DONALD GALINE VSA HIRAKATA JPN SHUNJI NAGAHAMA KUNIHICO SATO HIROSHI KOJIMA TAKEKAZU KOTERA MSV MUNCHEN GER PETER FRENZEL HERBERT GRUBER WERNER LECHNER ROLF GITTER ACADEMIA PRAIA BRA SG NEUKOLLN GER ADU HEWELCKE REINHARD ROSADA PETER SENFTLEBEN KLAUS MERTEN FLUMINENSE F. C BRA HAKUYO S JPN MITSUO HIRASAWA SADAYUKI WAKAI HIROSHI NONAKA TAKASHI TERAKOSHI AGE 280-319 O*H* USA SID HALL JOHN MEDICI JOHN FLORANCE YOSHI OYAKAWA SUNWAY YOKOHAMA JPN TETSUO NAKAMARU TAKAHIKO NOMA MINORU NAGASHIMA T.WATANABE DOLPHIN SC JPN JIRO NAGASAWA S.SEKIKAWA TAKANAO SATO HISAO MIKURIYA SDSM USA BOB BEST DUANE DRAVES DONALD BAKER C MUTER HAKUYO S JPN HIROSHI NONAKA TOSHIMI INATOMI SADAYUKI WAKAI KENSUKE SATO FLUMINENSE F.C. BRA SG REMSCHEID GER HERBERT HAUPT ERICH DILFER MANFRED BICKEL RUDI VAN ESS NEM USA JAMES EDWARDS F TED HAARTZ WALTER LINCOLN FRANK MCQUIGGAN SV BLAU-WEISS GER MARTIN KREFT MANFRED FISCHER AUGUST DEMUHS HELMUT HUNOLD SK RAN SWE TORE PERSSON ALLAN ANDERSSON INGE BLOMQUIST LENNART BROCK AGE 320-359 JUEI CLUB JPN SHOICHI SHIDA KEIJIRO NAKAMURA KATSUZO SHIRAYAMA ISAMU TAMURA FMM USA PAUL HUTINGER	2:00.15 2:00.67 2:00.97 2:01.20 2:01.54 2:01.58 2:12.20 2:12.47 2:12.51 2:13.87 2:16.57 2:17.24 2:19.35 2:25.95 2:26.39 2:26.45 2:26.89 2:45.81	BRUD CLEVELAND JOSEPH KURTZMAN ROBERT BLAKE YOKOHAMA SUIEIK JPN YOSHIKI UEDA HIDEAKI KATO HISAO NAKAI AKIRA MATSUMO SETAGAYA MASTER JPN HIDEYA FUJII HIROSHI HASEGAWA KINEO MATSUDA IWAO NARUSE SOLK HELLAS SWE BO AMNELL NILS FERM ARNE JUTBER LENNART INGMO AMARAL MASTER BRA WARRINGAH MASTE AUS JOHN GWILLIM HARRY MOFFETT J. STEEN JOHN SHERIDAN C. R. ICARAI BRA ***** RELAYS: M E N 200 M. MEDLEY ***** AGE 100-119 SGS HAMBURG GER THOMAS JESERIG BASTIAN KAMPMANN AIMO HEILMANN VOLKER WINDECK ACADEMIA PRAIA BRA CN CANNES FRA STEPHANE HERNIOU NORBERT BOURDON FABRICE MARION RAPHAEL PAU CAMPIONE JPN KOJI NIAHIGUCHI KIMIHIDE TATSUMI HARUNORI UCHIBORI FUMIO AMANO SG FRANKFURT GER P. SCHAFFRANIETZ DANIEL CHAPPEL THORSTEN UNGER INGO KOLB AMA REPUBLIC JPN SHUNSUKE SONODA RINTARO KIHARA SHINICHI KAWATO MASAKATSU USAMI KONAMI HAMAMATS JPN TORU ONODA K.MAUTSURA SHOJI NAKANISHI TORU OKUDA GOLD RUSH JPN KENTARO NAKAMURA TATSUAKI SHIRATA KENJI KOBAYASHI HAJIME MIZUMA SC DINSLAKEN GER ROLF SPIWOKS UDO SPIWOKS TIM SPIWOKS FRANK IRMER FHM BIRMINGHAM GBR AGE 120-159 VFL SINDELFINGE GER PETER OBERGLOCK P.KUTSCHER FRANK RUDOLPH UWE STREICH ASAHIKAWA SS JPN	3:13.13 3:15.78 3:32.00 4:10.52 4:33.00 4:51.04 1:49.44 1:52.51 1:53.07 1:54.38 1:54.83 1:57.63 1:57.81 1:57.86 1:58.13 1:59.46 1:51.39 1:54.83
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World Masters Top 10

LCM (50 M)

YSSUKE KOSUGI		LAURENT NEUVILLE		ACADEMIA PRAIA	BRA	2:18.20	ANDREW HOLDEN					
KAZUNORI TOKOI		DOMINIQ GOUVIAUX					GILBERT YOUNG					
YUSUKE ODA		NOVA	USA	2:01.40	SG NEUKOLLN	GER	2:18.98	SOLK HELLAS	SWE	3:45.77		
TSUYOSHI KOIKE		TORD BENNER					KLAUS MERTEN					
AINOSENSHI	JPN	TERRY TONGATE					ADU HEWELCKE					
SHIGEO NAKAYAMA		FRANK WASKO					HELMUT BEER					
NARIHITO WAKUI		WILLIAM WHERRITT					HARALD BESTIAN					
YASUHIRO OKADA							MSV MUNCHEN	GER	2:19.15	BC	CAN	4:03.48
TSUBASA KATO		AGE 200-239					HANS MUHLE					
TCC-COMPETITION	BRA	WASSERFREUNDE W	GER	2:01.69			WERNER LECHNER					
		FOLKERT MEEUW					PETER FRENZEL					
POST LEIPZIG	GER	A.SCHLAGMANN					ROLF GITTER					
JARNO WITTIG		AXEL FOCKE					FLUMINENSE F. C	BRA	2:19.34			
REINHARD MAIWALD		PETER NOCKE										
UWE BODUSCH		RACING CLUB	FRA	2:03.28	OAHU KIOICHO	JPN	2:19.46					
SVEN GUSKE		GILLES LAFFICHE					MAMPEI SEINO					
KUWANASUIEI	JPN	C.STARZEC					TERUO IWATA					
TATSUYA YAMAMOTO		LAURENT NEUVILLE					MASARU IGARASHI					
MASAYOSHI YAMASHI		CHARLES THOMANN					KUNIMASA KASHIKI					
KENSHI MIZUTANI		GSM	USA	2:07.18								
TAKEHIKO OTSUKI		KENNETH NIEMI					AGE 280-319					
GSM	USA	EDWARD NESSEL					NORTH CAROLINA	USA	2:26.17			
CURTIS SAWIN		TOM GEIMAN					CLARKE MITCHELL					
BENN DOYLE		ED TSUZUKI					JOHN KORTHEUER					
RYAN BIASE		SG DORTMUND	GER	2:07.28			RICHARD KITCHELL					
SCOTT YEOMANS		HANS-PETER BELLEN					DICK WEBBER					
NEM	USA	RAINER OPITZ					SDSM	USA	2:28.46			
MICHAEL GALLAGHER		VOLKER HOLTKE					DUANE DRAVES					
GIAN SCOZZARO		MARKUS REINHARDT					BOB BEST					
JASON EADDY		MSV MUNCHEN	GER	2:07.87			C MUTER					
MATTHEW GILSON		P.DIEFENTHALER					DONALD BAKER					
WITH H	JPN	ROLF GITTER					MASTERS S TEXAS	USA	2:29.40			
AKIRA INADA		KLAUS DAHLINGER					GRAHAM JOHNSTON					
NORIYUKI KAGAMI		HANS MUHLE					CHUCK BALDWIN					
HIROYUKI NAKAMURA		TCC-COMPETITION	BRA	2:08.23			BOB BAILIE					
TSUYOSHI IWANO							GENE FERGUSON					
SK SPARTA KONST	GER	SWIM	USA	2:08.39	DOLPHIN SC	JPN	2:30.55					
A.KLAUSSNER		CASEY CLAFLIN					SHIGEHISA SEKIKAW					
M.SCHAMBACH		MARK DRENNEN					MAMORU TANAKA					
NICO KOCH		KEVIN MCCORMACK					HISAO MIKURIYA					
JOHANNES BRIECHLE		MIKE STOLLMEYER					JIRO NAGASAWA					
AGE 160-199		NIAG	USA	2:08.66	O*H*	USA	2:35.09					
DCAC	USA	DANIEL KORNBLOTT					YOSHI OYAKAWA					
ALAN GODFREY		JIM MATYSEK					JOHN MEDICI					
JOSE CUNNINGHAM		JEFFERY HUMPHREYS					SID HALL					
NEILL WILLIAMS		TOM MEADE					JOHN FLORANCE					
STAN YOUNG		ICHIKAWA AC	JPN	2:08.89	KAMAKURA MSC	JPN	2:36.92					
SV FRIEDRICHSHA	GER	TAKEO HIRAMOTO					MINORU UEMURA					
MANFRED KODER		HIROSHI KAWAKAMI					TAKAO TSUCHIYA					
ROBERT BERGER		TADAO SATO					YOSHIHIRO NAKANO					
HARTMUT BERNER		KAZUKI YUZAWA					SATOSHI TOKUSHIGE					
THILO ALBRECHT		SOSHIGAYA	JPN	2:09.00	BRAMASTERS	BRA	2:40.50					
NCMS	USA	HIROOKI AOKI					HAKUYO S	JPN	2:42.26			
JONATHAN KLEIN		Y.NISHIHARA					SADAYUKI WAKAI					
FRITZ LEHMAN		HIROYUKI AMAZAKI					KENSUKE SATO					
HENRY STEWART		TAKASHI SUZUKI					TOSHIYASU INUKAI					
ANDREW FARRELL		AGE 240-279					TOSHIMI INATOMI					
1776	USA	NCMS	USA	2:14.42	SK RAN	SWE	2:42.50					
DAVID CASTO		CLARKE MITCHELL					ALLAN ANDERSSON					
GREGORY OXLEY		ROBERT SCHMITZ					LENNART BROCK					
CHARLES NORELLI		BERNARD WHITE					TORE PERSSON					
THOMAS MEADE		JERRY CLARK					INGE BLOMQUIST					
BRAMASTER	BRA	SV POSEIDON HAM	GER	2:14.45	SV BLAU-WEISS	GER	2:45.66					
		DIETER SEIFERT					MARTIN KREFT					
MURASAKI SPORTS	JPN	SIEGFRIED MASULA					MANFRED FISCHER					
AKITO KOIZUMI		MANFRED BONICKE					HELMUT HUNOLD					
TSUYOSHI KATO		WOLFRAM GOTTFRIED					AUGUST DEMUHS					
MAKIO ENDO		OREG	USA	2:16.73								
YOSHIHIRO KISHI		ROBERT SMITH					AGE 320-359					
NEM	USA	ALLEN STARK					JUEI CLUB	JPN	2:54.74			
GUY DAVIS		BERT PETERSEN					KEIJIRO NAKAMURA					
BRIAN CASEY		GEORGE THAYER					KATSUZO SHIRAYAMA					
EDMUND GENDREAU		SMMM	USA	2:17.06			SHOICHI SHIDA					
STUART CROMARTY		DONALD GALINE					ISAMU TAMURA					
GOLD	USA	NORMAN STUPFEL					FMM	USA	3:00.89			
MARTY HENDRICK		RANDY BROWN					PAUL HUTINGER					
SEAN FRAMPON		GARY BRENNER					BRUD CLEVELAND					
JONATHAN OLSEN		SOLK HELLAS	SWE	2:17.06			JOSEPH KURTZMAN					
ED SUAREZ		ERIC FORSLUND					ROBERT BLAKE					
RACING CLUB	FRA	MATTHIAS KRONER					OREG	USA	3:17.93			
GILLES LAFFICHE		PETER BERGENGREN					RUPERT FIXOTT					
C.STARZEC		BENGT FURBERG					MILTON MARKS					

World Masters Top 10

LCM (50 M)

BRITTA STEVENS	1776	USA	2:00.66	CLARKE MITCHELL		JEANNE MERRYMAN
CLAUDIA KERN	JACK MARTIN			MANDURAH	AUS	CLARENCE WEBB
GUNTER STROTKER	DOT MUNGER			ROD BAKER		MANLY MASTERS S AUS
SG FRANKFURT GER	THERESE HARRIGAN			IVAN WINGATE		JAMIE JENKINS
ANTJE PRAEFKE	ROBERT JONES			JEANNETTE REIN		HEDLEY CRISP
SILVIA VIDA	SOSHIGAYA	JPN	2:02.08	PAULINE WINGATE		JAN ALLPORT
H.HARBRECHT	Y.NISHIHARA			SOLK HELLAS	SWE	MARGARET HOUSTON
P.SCHAFFRANIETZ	HIDEKO CHUBACHI			ROLF TEGBACK		YOKOHAMA SUIEIK JPN
NCMS USA	YOSHIE AOYAGI			MARIANNE GRANE		AKIRA MATSUNO
MARY DEMILIA	HIROYUKI AMAZAKI			B.HJALMARSSON		CHIYOKO TAKIZAWA
HEATHER HAGEMAN	SOLK HELLAS	SWE	2:02.16	PETER BERGENGREN		MASAKO MATSUNO
ANDREW FARRELL	HANS LJUNGBERG					TOSHIHIKO OTANI
HENRY STEWART	HARRIET BURE			AGE 280-319		CLUB NAGI
AINOSENSHI JPN	MARGARETA RAINER			JUEI CLUB	JPN	ESP
MIKI TAKAYAMA	BO FOGELBERG			SHOICHI SHIDA		SELLARES
SHIGEHO NAKAYAMA	GOLD	USA	2:02.43	TERUKO NISHISAKO		PAGES
TOMIKO MATSUI	TIM ERICKSON			MIYOKO IMURA		MARGARIT
YASUHIRO OKADA	ANNE LABORWIT			KEIJIRO NAKAMURA		CLARET
GOST USA	R ANDERSON-BURNS			SUNWAY YOKOHAMA JPN	2:18.87	CAMPOS\AES\UTC BRA
GRANT WILSON	GEORGE SCHMIDT			SHOKO YONEZAWA		C.R.ICARAI BRA
JULIA APPELGATE	1776	USA	2:02.96	TAKAHIKO NOMA		
LIV ANN GJESTVANG	DAVID CASTO			MASAE KURATA		*****
JOSEPH REINHARDT	S WALSH BELLMAN			T.WATANABE		RELAYS: MIXED 200 M. MEDLEY
C. R. FLAMENGO BRA	CECILIA MCCLOSKEY			SOLK HELLAS	SWE	*****
	WARREN FISHER			BO AMNELL		AGE 100-119
	SG FRANKFURT GER	2:03.20		KERSTIN GJORES		GOLD RUSH
	HAIKE HOLER			BRITT GRILLI		JPN
AGE 160-199	MICHAEL WOLSKI			INGVAR ERIKSSON		1:58.08
METR USA	IRIS TECKENTRUP			ISLAND TAKATSUK JPN	2:23.69	NAHOMI ERIGUCHI
ROBERT GOLDBLOOM	MICHAEL MROZINSKI			KIYOJI AMANO		HAJIME MIZUMA
JANET HARRIS	SG EINHEIT RATH GER	2:04.69		KEIKO FUJIMOTO		CHIKA KOBAYASHI
JAMES ANDERSON	CHRISTEL SCHULZ			HISAKO SATO		KENTARO NAKAMURA
MARIA DOELGER	UWE ARNDT			SHINGO YAMAMOTO		NAKADATE PEACH JPN
IM USA	ADA LOFF			JUEI CLUB	JPN	2:04.37
THOMAS MC CABE	PETER SCHENK			SHOSHIN MORI		AKI INOUE
JAMES RUSSELL	SSG PFORZHEIM GER	2:05.05		SETSUKO KOBAYASHI		SATOSHI OSHIBA
ANDREA BLOCK	PETRA STEINBERG			YURIKO NAGAMATSU		AKIFUMI FURUYA
NADINE DAY	KIM STOK			KATSUZO SHIRAYAMA		YUKI INOUE
AZ&PC NED	FREDDY LANSCH			SEASIDE PIRATES AUS	2:31.05	SC DINSLAKEN GER
PETRA FROWIJN	KLAUS FELLNER			ELVERA VICKERY		ROLF SPIWOKS
ATIE PIJTAK	MSV MUNCHEN GER	2:05.32		PAM HUTCHINGS		TIM SPIWOKS
P.VAN MEERVELD	ANJA RITTER			KEVIN VICKERY		SIMONE DICKMANN
EDWIN VAN NORDEN	WERNER LECHNER			PETER JACKSON		SIMONE KORTHAUER
BSC ROBBEN BERL GER	GERLINDE MAUTE			OAHU KIOICHO	JPN	ACADEMIA PRAIA BRA
STEPHAN MEISSNER	ROLF GITTER			MASARU IGARASHI		2:05.73
S.FELGENTRAGER				YASUO KANAI		FORMULA ACADEMI BRA
SVEN GRUNERT				KIYOE KOYAMA		2:06.25
UTE ROMBERG				NORIKO YATSUNAMI		SG GLEMS GER
NEM USA	AGE 240-279			GOLD	USA	2:07.02
EDMUND GENDREAU	HEART OF ENGLAN GBR	2:02.81		DEBBIE CAVANAUGH		DASCHA BENSE
BARB HANDLER	SDSM USA	2:07.76		JUNE KRAUSER		WOLF GIESEKE
JACKI HIRSTY	JACKIE MARR			NED SMITH		HOLGER KUNICK
STUART CROMARTY	LYNNE LUND			ALAN RAPPERPORT		IRINA HACKER
NOTTINGHAM LEAN GBR	C MUTER			FC TOKYO DOME	JPN	SC HELLAS EINBE GER
	PETER ANDERSEN			TERUO YOSHIMURA		2:07.64
BRAMASTERS BRA	SG NEUKOLLN GER	2:08.16		HISAKO CHICHII		ANJA KLEIN
	ADU HEWELCKE			KII SAITO		M.SCHEUERMANN
GSM USA	MONIKA SENFTLEBEN			JIRO KOBAYASHI		JOCHEN SCHMITZ
AMY CAROW	HEINZ DEKARA			DREAM SC	JPN	DANIELA BAUMGARDT
JENNIFER PORTMAN	BRIGITTE MERTEN			TOSHITAKA MANO		2:08.30
JOHN BALIKO	OAHU KIOICHO	JPN	2:08.50	FUSAKO KATO		CN SANTA OLAYA ESP
BRENT MATHESON	TETSUO FUNANO			MUTSUKO KURUSHIMA		2:08.43
LEVIN NZL	MASAYASU KAMIYA			SHIRO KOJIMA		NORIEGA
JEREMY PERROTT	HIROKO KAYAMORI					BLAS
JANE PERROTT	SATOKO KAWATA			AGE 320-359		GARCIA
REBECCA PERROTT	ISLAND TAKATSUK JPN	2:10.39		SUNWAY YOKOHAMA JPN	3:00.80	LOPEZ
ADAM PERROTT	KAZUE OZAKI			MINORU NAGASHIMA		SV BAYREUTH GER
WASSERFREUNDE W GER	KIHEI YOSHIMURA			RITSUKO IWAIZUMI		2:08.72
SANDRA MIKOVIC	NOBUKO NITTA			SHOGORO AZUMA		MICHAEL SCHMITT
HEIDI UPPEKAMP	SHINGO YAMAMOTO			YOKO SUGIYAMA		KERSTIN REITER
A.SCHLAGMANN	SUNWAY YOKOHAMA JPN	2:11.72		OREG	USA	HEIKE RUCKER
PETER NOCKE	MIWA MURAMATSU			EVA MULLER		ANDREAS FRIEDRICH
EN TOURS FRA	TAKAHIKO NOMA			GILBERT YOUNG		AGE 120-159
P.POURCELOT	SHOKO YONEZAWA			PAULINE STANGEL		TEAM DASH
SYLVIE LE NOACH	T.WATANABE			ANDREW HOLDEN		JPN
ELISABETH BEUCHER	O*H*	USA	2:13.97	SOLK HELLAS	SWE	1:55.43
HERVE LE NOACH	ANN GUINS			EVA-BRITT WIDAHN		HIROSHI NISHIMURA
	JOHN FLORANCE			LENNART INGMO		HIDEAKI TOGO
AGE 200-239	MELINDA SMITH			BARBRO THORNELOF		YAYOI SAKAMOTO
WASSERFREUNDE W GER	YOSHI OYAKAWA			NILS FERM	USA	YUKIKO OZAWA
AXEL FOCKE	NCMS USA	2:17.17		1776		WITH H
JUTTA MEEUW	KIM STOTT			NORMAN GARSOE		NORIKO OSUGI
PETRA FOCKE	SALLY NEWELL			MARY WIXTED		NORIYUKI KAGAMI
FOLKERT MEEUW	JERRY CLARK					HIROYUKI NAKAMURA
						KEIKO IMAEDA
						POST LEIPZIG GER
						2:02.56
						KATRIN FRITSCH
						REINHARD MAIWALD
						SVEN GUSKE
						D.GRIESSHAMMER

World Masters Top 10

LCM (50 M)

AINOSENSHI JPN 2:02.79	FOLKERT MEEUW	HISAKO SATO	HEDLEY CRISP
MIKI TAKAYAMA	HEIDI UPPEKAMP	KIYOJI AMOTO	JAMIE JENKINS
NARIHITO WAKUI	JUTTA MEEUW	SG FRANKFURT GER 2:34.17	CM USA 4:41.60
YASHIRO OKADA	ANDREAS PETERSEN	HAIKE HOLER	MAURINE KORNFELD
TOMIKO MATSUO	SOLK HELLAS SWE 2:18.50	HORST SCHULZE	WALTER PFEIFER
SG FRANKFURT GER 2:03.87	MARGIT OHLSSON	MICHAEL WOLSKI	WOODY BOWERSOCK
P.SCHAFFRANIETZ	ROLF TEGEBACK	ANNEROSE TROBISCH	LOUISE BOWERSOCK
ANTJE PRAEFKE	HANS LJUNGBERG		YOKOHAMA SUIEIK JPN 4:41.60
SILVIA VIDA	MARGARETA RAINER	AGE 280-319	HIDEAKI KATO
H.HARBRECHT	MSV MUNCHEN GER 2:19.41	JUEI CLUB JPN 2:40.53	YOSHIKI UEDA
ACADEMIA 4X1 BRA 2:03.94	GERLINDE MAUTE	KEIJIRO NAKAMURA	TOSHIKO UEDA
SV NEPTUN HERNE GER 2:04.82	KARL ODKOLEK	TERUKO NISHISAKO	CHIYOKO TAKIZAWA
TANJA DEGENKOLBE	ANJA RITTER	SHOSHIN MORI	C.R.ICARAI BRA 5:06.22
PETRA DUDA	ROLF GITTER	YURIKO NAGAMATSU	CLUB NAGI ESP 5:49.61
SHRISTIAN STUBER	SWIM KENTUCKY USA 2:19.71	SUNWAY YOKOHAMA JPN 2:43.00	SELLARES
JENS STROHMEYER	WILLIAM TINGLEY	SHOKO YONEZAWA	MARGARIT
GOST USA 2:04.84	A WRIGHT-BELKNAP	TETSUO NAKAMARU	PAGES
JOSEPH REINHARDT	CHARLES MIESNER	MINORU NAGASHIMA	CLARET
RICHARD LEYSHON	PAM MARTIN	MASAE KUTATA	
LIV ANN GJESTVANG	SG EINHEIT RATH GER 2:20.12	SOLK HELLAS SWE 2:44.03	AGE 360-399
JULIA APPELEGATE	PETER SCHENK	KERSTIN GJORES	CM USA 5:26.80
PROJETO ACQUA BRA 2:05.60	UWE ARNDT	ERIC FORSLUND	HELENE IBERALL
SPHERE JPN 2:05.88	ADA LOFF	PETER BERGENGREN	MAXINE MERLINO
MIKI NAMAI	CHRISTEL SCHULZ	BRITT GRILLI	WALTER PFEIFER
YOSHIO SEKI	VMST USA 2:20.68	OAHU KIOICHO JPN 2:48.03	WOODY BOWERSOCK
YOKO YAMAGUCHI	DEBBIE JAEGER	MAMPEI SEINO	
TATSUO MIZUKAWA	LISA BENNETT	KEIKO YAMADA	
	NEIL WATTS	MASAYASU KAMIYA	
	JIM MILLER	KIYOE KOYAMA	
AGE 160-199	O*H* USA 2:21.04	FLUMINENSE F.C. BRA 2:56.99	
METR USA 2:01.14	ANN GUINS	SEASIDE PIRATES AUS 2:59.61	
JANET HARRIS	MELINDA SMITH	PAM HUTCHINGS	
JAMES ANDERSON	JACK GROSELLE	PETER JACKSON	
ROBERT GOLDBLOOM	YOSHI OYAKAWA	ELVERA VICKERY	
MARIA DOELGER	SG LUBECK GER 2:21.86	KEVIN VICKERY	
IM USA 2:02.75	ANDREA WULF	FMM USA 3:01.38	
THOMAS MC CABE	HOLGER BULL	PATRICIA TULLMAN	
NADINE DAY	SILKE KNUPPEN	ROBERT MACDONALD	
ANDREA BLOCK	DIETER BACHMANN	JEAN TROY	
JAMES RUSSELL	TCC-COMPETITION BRA 2:22.36	C WEATHERBEE	
NOTTINGHAM LEAN GBR 2:03.48		HAKUYO S JPN 3:02.29	
BSC ROBBEN BERL GER 2:04.47	AGE 240-279	KIMIKO YOSHINAGA	
UTE ROMBERG	HEART OF ENGLAN GBR 2:17.94	KENSUKE SATO	
STEFFAN MEISSNER	SDSM USA 2:22.37	FUMIKO NAKAMURA	
SVEN GRUNERT	LYNNE LUND	TOSHIMI INATOMI	
S.FELGENTRAGER	PETER ANDERSEN	VIC CAN 3:02.74	
AZ&PC NED 2:05.36	C MUTER	ROBERT MCMILLEN	
ATTIE PIJTAK	JACKIE MARR	NORMA POWELL	
P.VAN MEERVELD	SG NEUKOLLN GER 2:22.98	BONNIE PRONK	
EDWIN VAN NORDEN	ADU HEWELCKE	LEN COVERDALE	
PETRA FROWIJN	MONIKA SENFTLEBEN	C.R.ICARAI BRA 3:04.18	
WCM USA 2:05.84	BRIGITTE MERTEN		
PATTY LANDERS	HEINZ DEKARA	AGE 320-359	
ROQUE SANTOS	CONN USA 2:27.34	SUNWAY YOKOHAMA JPN 3:22.62	
SUZANN HEIMBOWEN	JACK GEOGHEGAN	SHOGORO AZUMA	
DAVID BOATWRIGHT	MANUEL SANGUILY	Y.MIYAMOTO	
LEVIN NZL 2:07.32	CHRISTIE HAYES	SHOKO YONEZAWA	
REBECCA PERROTT	MEREDITH MOORE	YOKO SUGIYAMA	
ADAM PERROTT	NCMS USA 2:29.68	OREG USA 3:57.06	
JEREMY PERROTT	JEANNIE MITCHELL	MARGARET WELLS	
JANE PERROTT	SALLY NEWELL	PAULINE STANGEL	
ACADEMIA 4X1 BRA 2:08.78	ROBERT SCHMITZ	ANDREW HOLDEN	
MARGARET RIVER AUS 2:08.84	JERRY CLARK	GILBERT YOUNG	
C. O'BEIRNE	OREG USA 2:30.26	SOLK HELLAS SWE 4:01.57	
ROGER MCMILLAN	ROBERT SMITH	NILS FERM	
SHANE GOULD	BARBARA FRID	LENNART INGMO	
CRAIG MCARTHUR	BERT PETERSEN	BARBRO THORNELOF	
NEM USA 2:08.88	JACKIE QUATTRO	EVA-BRITT WIDAHL	
TRACY GRILLI	SOLK HELLAS SWE 2:31.68	WCM USA 4:13.94	
BRIAN CASEY	BENGT FURBERG	JAE HOWELL	
GUY DAVIS	HARRIET BURE	PHYLLIS CROCKETT	
JACKI HIRSTY	INGVAR ERIKSSON	BILL JOHNSTON	
	B.HJALMARSSON	RICHARD SMITH	
AGE 200-239	OAHU KIOICHO JPN 2:32.16	1776 USA 4:30.33	
1776 USA 2:11.75	KEIKO YAMADA	CLARENCE WEBB	
CECILIA MCCLOSKEY	TERUO IWATA	NORMAN GARSOE	
DOT MUNGER	HARUMI SUGIMOTO	JEANNE MERRYMAN	
CRAIG STEVENS	KENICHI MIYAMOTO	MARY WIXTED	
ROBERT JONES	ISLAND TAKATSUK JPN 2:33.31	MANLY MASTERS S AUS 4:33.03	
WASSERFREUNDE W GER 2:13.67	KAZUE OZAKI	JAN ALLPORT	
	SHINGO NOGAMI	BARBARA VICKERS	