FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

WOMEN 25-29

50 M. FREE

26.68	SARA SHAND	USA
28.18	WENDY L INGRAHAM	USA
28.49	DOROTHEA PIELKE	GER
28.53	STACY JONES	USA
28.60	ROBERTA STERPETTI	ITA
28.66	N. NIXON	AUS
28.68	BRIGITTE NEUHOFF	GER
28.69	LINA DEVONISH	VEN
28.73	ANGELIKA SCHULTE	GER
28.79	A. CHRISTIANSEN	JPN

100 M. FREE

58.23	SARA SHAND	USA
1:01.03	REBECCA PERROTT	NZL
1:01.25	ANN CHRISTIANSEN	JPN
1:01.51	BRIGITTE NEUHOFF	GER
1:01.94	STACY JONES	USA
1:02.06	WENDY L INGRAHAM	USA
1:02.63	N. NIXON	AUS
1:02.84	S. PALMER-WHITE	AUS
1:03.06	CAROL MACINTYRE	GBR
1:03.16	ANGELIKA SCHULTE	GER

200 M. FREE

2:10.12	REBECCA PERROTT	NZL
2:10.38	SARA SHAND	USA
2:13.62	ANN CHRISTIANSEN	JPN
2:13.97	CAROL MACINTYRE	GBR
2:14.42	BRIGITTE NEUHOFF	GER
2:14.78	S. PALMER-WHITE	AUS
2:15.67	MERETE HOOK	DEN
2:17.14	ANGELIKA SCHULTE	GER
2:17.50	KIM D ELSBACH	USA
2:17.55	ELKE SCHMITZ	GER

400 M. FREE

4:37.13	REBECCA PERROTT	NZL
4:38.45	S. PALMER-WHITE	AUS
4:40.06	ANN CHRISTIANSEN	JPN
4:40.64	CAROL MACINTYRE	GBR
4:41.25	LISA A JOHNS	USA
4:46.77	ELKE SCHMITZ	GER
4:49.28	BRIGITTE NEUHOFF	GER
4:49.90	STACY JONES	USA
4:50.62	BARBARA FRAATZ	GER
4:51.55	GISELA NEUMANN	GER

800 M. FREE

9:29.04	LISA A JOHNS	USA
9:35.39	REBECCA PERROTT	NZL
9:36.38	CAROL MACINTYRE	GBR
9:38.36	ANN CHRISTIANSEN	JPN
9:45.58	ELKE SCHMITZ	GER
9:49.62	FABIENNE GUIL	FRA
9:54.25	LAURIE HUG	USA
9:57.85	S.MCINTYRE-WOODS	USA
10:02.57	BRIGITTE NEUHOFF	GER
10:02.73	GISELA NEUMANN	GER

1500 M. FREE

17:38.09	S. PALMER-WHITE	AUS
18:04.01	REBECCA PERROTT	NZL
18:08.19	LISA A JOHNS	USA
19:08.68	S.MCINTYRE-WOODS	USA
19:11.40	BETSY NYGREN	USA
19:16.44	AMY L ALEXANDER	USA
19:42.03	KELLY DUNCAN	USA
20:05.70	GINN LENSE-HUSTON	USA
20:15.23	C.CHICHESTER	USA
20:16.26	SARAH JORDAN	USA

50 M. BACK

31.75	TORI SMITH	USA
32.01	JOANNE ALLMAN	GBR
32.27	FERNANDA F SANTOS	BRA
32.37	SABINE PREDIGER	GER
32.42	KATALIN VIRAGH	HUN
32.72	ANDREA LUALLEN	USA
33.09	GLAUCIA LUNKMOSS	BRA
33.22	HEIDI GUDEL	SUI
33.30	BEATE STEINHOF	GER
33.33	ANDREA J. DEVUONO	USA

100 M. BACK

1:09.02	TORI SMITH	USA
1:09.92	KATALIN VIRAGH	HUN
1:11.12	JOANNE ALLMAN	GBR
1:11.78	CARMEL CLARK	NZL
1:11.94	ANTJE CLASEN	GER
1:12.43	ROBERTA STERPETTI	ITA
1:12.45	BEATE STEINHOF	GER
1:13.51	MAUREEN CAMERON	GBR
1:13.78	ANDREA LUALLEN	USA
1:14.11	I.SHIDLOVSKAYA	URS

200 M. BACK

2:30.50	FERNANDA F SANTOS	BRA
2:30.81	KATALIN VIRAGH	HUN
2:34.27	ANDREA J. DEVUONO	USA
2:36.26	ANTJE CLASEN	GER
2:37.59	JOANNE ALLMAN	GBR
2:38.89	BEATE STEINHOF	GER
2:38.90	M. HIGURASHI	JPN
2:39.22	MAUREEN CAMERON	GBR
2:39.39	CARMEL CLARK	NZL
2:41.61	JUDY BROWN	GBR

50 M. BRST

34.75	SUKI BROWNSDON	GBR
35.34	BEATE STEINHOF	GER
35.72	S.MCINTYRE-WOODS	USA
36.01	MONICA CORO	ITA
36.09	PETRA WEMBEN	GER
36.29	KERSTIN AUST	GER
36.39	CLAUDIA FENNER	SUI
36.71	FERNANDA F SANTOS	BRA
36.80	CLAUDIA HOFMANN	GER
36.81	LINA DEVONISH	VEN

100 M. BRST

1:16.48	BEATE STEINHOF	GER
1:16.60	S.MCINTYRE-WOODS	USA
1:17.51	SUKI BROWNSDON	GBR
1:19.20	S.SEMINATORS	ITA
1:19.20	FERNANDA F SANTOS	BRA
1:20.61	GINA GATTI	USA
1:20.79	KERSTIN AUST	GER
1:21.49	PETRA WEMBEN	GER
1:21.93	PETRA VOLKEL	GER
1:22.21	MONICA CORO	ITA

200 M. BRST

2:44.36	SUKI BROWNSDON	GBR
2:47.03	BEATE STEINHOF	GER
2:47.90	FERNANDA F SANTOS	BRA
2:51.26	PIA THULSTRUP	DEN
2:51.72	S.MCINTYRE-WOODS	USA
2:51.93	PETRA VOLKEL	GER
2:54.28	ANNE T WHITFORD	USA
2:54.83	GINA GATTI	USA
2:55.58	S.SEMINATORS	ITA
2:56.17	SARA SHAND	USA

50 M. FLY

30.29	N. NIXON	AUS
30.34	GINA D. BROWN	USA
30.56	ELKE HETZEL	GER
30.94	SUKI BROWNSDON	GBR
30.95	BARBARA FRAATZ	GER
30.97	REBECCA PERROTT	NZL
31.01	VALERIE POIRIER	USA
31.10	CLAUDIA FENNER	SUI
31.11	TORI SMITH	USA
31.12	ASTRID RADTKE	GER

100 M. FLY

1:06.90	S. PALMER-WHITE	AUS
1:07.10	SARA SHAND	USA
1:07.87	S.MCINTYRE-WOODS	USA
1:07.95	N. NIXON	AUS
1:08.51	KARIN MORASSI	GER
1:08.85	MERETE HOOK	DEN
1:10.00	NANCY S. MITCHELL	USA
1:10.20	JACQUELINE OPDAM	GER
1:10.46	ASTRID RADTKE	GER
1:10.47	GABI MULLER	GER

200 M. FLY

2:20.50	S. PALMER-WHITE	AUS
2:29.43	NANCY S. MITCHELL	USA
2:32.26	S.MCINTYRE-WOODS	USA
2:34.10	CAROL MACINTYRE	GBR
2:39.15	DIANE MUNTZER	USA
2:39.25	FABIENNE GUIL	FRA
2:41.34	MARCIA CLEVELAND	USA
2:41.79	BEATRIE DASILVA	BRA
2:42.47	PETRA LANG	GER
2:43.60	MARGRIET LINGEMAN	NED

200 M. I.M.

2:25.90	SARA SHAND	USA
2:28.89	SUKI BROWNSDON	GBR
2:29.45	FERNANDA F SANTOS	BRA
2:31.50	CORNELIA BLEUL	GER
2:33.93	BRIGITTE NEUHOFF	GER
2:33.96	N. NIXON	AUS
2:35.29	S. PALMER-WHITE	AUS
2:35.33	ANNE T WHITFORD	USA
2:37.20	JUDY BROWN	GBR
2:37.95	KARIN MORASSI	GER

400 M. I.M.

5:17.26	S. PALMER-WHITE	AUS
5:24.40	MERETE HOOK	DEN
5:39.21	AMY L ALEXANDER	USA
5:41.52	BEATE STEINHOF	GER
5:45.84	DIANE MUNTZER	USA
5:48.93	STACY JONES	USA
5:49.60	BEATRIE DASILVA	BRA
5:50.13	C.CHICHESTER	USA
5:51.41	PETRA LANG	GER
5:54.94	ASTRID RADTKE	GER

WOMEN 30-34

50 M. FREE

28.02	GRACIE GODDARD	USA
28.02	BETH L KNIGHT	USA
28.30	KRISTIN HENDERSON	USA
28.59	MELINDA SCHMITT	USA
28.63	PAULA J ROEMER	USA
28.86	GILLIAN SKIPPER	GBR
28.96	C.NAMARA-LEWIS	USA
29.17	M.RODAHL-WILLIAMS	NZL
29.18	BARBARA GELLRICH	GER
29.20	S.FELGENTRAGER	GER

100 M. FREE

59.88	BETH L KNIGHT	USA
1:01.08	GRACIE GODDARD	USA
1:02.07	MELINDA SCHMITT	USA
1:02.73	M.RODAHL-WILLIAMS	NZL
1:02.73	KRISTIN HENDERSON	USA
1:03.08	ZENA HERRMANN	USA
1:03.22	ROSEMARIE SEAMAN	USA
1:03.64	PAULA J ROEMER	USA
1:04.02	LESLEY MATHESON	USA
1:04.68	DIANE BRADES	GBR

200 M. FREE

2:08.77	BETH L KNIGHT	USA
2:11.54	B.GLASGOW-RHODES	USA
2:14.04	AMY POPE	USA
2:15.03	ZENA HERRMANN	USA
2:15.41	JENNIFER L CAINE	USA
2:18.36	DIANE BRADES	GBR
2:19.19	C. REABURN	AUS
2:19.89	MARGUERITE MEYER	USA
2:20.37	TANJA ENGELS	GER
2:20.85	C. FERGUSON	AUS

400 M. FREE

4:30.38	BETH L KNIGHT	USA
4:38.40	AMY POPE	USA
4:39.35	B.GLASGOW-RHODES	USA
4:50.12	C. REABURN	AUS
4:50.50	ZENA HERRMANN	USA
4:51.92	DIANE BRADES	GBR
4:52.23	MARGUERITE MEYER	USA
4:55.09	M. KLIESCH	AUS
4:57.40	CHRISTINE GREEN	GBR
4:59.04	ESTHER ISEPPI	SUI

800 M. FREE

9:20.20	BETH L KNIGHT	USA
9:34.17	AMY POPE	USA
9:49.44	REBECCA PERROTT	NZL
10:01.04	BONNIE RHODES	USA
10:02.60	ZENA HERRMANN	USA
10:04.15	MARGUERITE MEYER	USA
10:08.70	ESTHER ISEPPI	SUI
10:20.95	A.ZINGG-GEISER	SUI
10:23.83	MELINDA SCHMITT	USA
10:27.81	IRENE LAAN	NED

1500 M. FREE

17:55.58	BETH L KNIGHT	USA
18:02.01	AMY POPE	USA
18:22.68	REBECCA PERROTT	NZL
18:47.50	C. REABURN	AUS
18:57.55	MARGUERITE MEYER	USA
19:07.22	BONNIE RHODES	USA
19:41.62	IRENE LAAN	NED
20:10.23	BETH HINES	USA
20:14.56	LESLIE J HENSHAW	USA
20:16.83	MARY CURL	USA

50 M. BACK

32.70	S.FELGENTRAGER	GER
32.85	M.RODAHL-WILLIAMS	NZL
33.64	DIANE DUNN	USA
34.18	LESLEY WEBB	GBR
34.20	ANTJE STILLE	GER
34.25	KIMBERLY D. ARATA	USA
34.30	A.RONCELLI	ITA
34.68	MELINDA SCHMITT	USA
35.02	N. NIXON	AUS
35.09	SASKIA KADNER	GER

100 M. BACK

1:10.73	ZENA HERRMANN	USA
1:11.96	M.RODAHL-WILLIAMS	NZL
1:13.19	LESLEY WEBB	GBR
1:13.69	KIMBERLY D. ARATA	USA
1:15.63	PAULA J ROEMER	USA
1:15.78	DIANE DUNN	USA
1:15.93	ANTJE STILLE	GER
1:16.61	LESLEY WILDE	GBR
1:16.72	JACKIE LUCKINGS	GBR
1:16.98	A.RONCELLI	ITA

200 M. BACK

2:29.17	ZENA HERRMANN	USA
2:36.48	CHRIS BREEDY	USA
2:42.02	KIMBERLY D. ARATA	USA
2:43.65	LESLEY WILDE	GBR
2:46.00	N. NIXON	AUS
2:46.21	JEAN APKER	USA
2:46.76	ANTJE STILLE	GER
2:47.19	CAROLE FUNK	USA
2:47.46	A. KILLMIER	AUS
2:47.52	SHERIL TAYLOR	GBR

50 M. BRST

36.37	VAL KERR-HAGUE	USA
37.27	DEBRA CLUTTERBUCK	GBR
37.45	ROSEMARIE SEAMAN	USA
37.50	VERITY DOBBIE	GBR
37.79	JACQUI HUNT	CAN
37.91	LISA A LEHMAN	USA
38.21	CHRISTINE ACHOUR	FRA
38.38	JULIE MALCOLM	USA
38.45	MAYSA F AMADO	BRA
38.51	LINDA PHILLIPS	GBR

100 M. BRST

1:21.55	DEBRA CLUTTERBUCK	GBR
1:23.12	VAL KERR-HAGUE	USA
1:23.81	LISA A LEHMAN	USA
1:23.98	C.BERGMANN	GER
1:24.03	RENATE CHRIST	GER
1:24.11	BONNIE RHODES	USA
1:24.14	VERITY DOBBIE	GBR
1:24.26	ANTONIA JONES	GBR
1:24.28	JACQUI HUNT	CAN
1:24.31	LINDA PHILLIPS	GBR

200 M. BRST

2:59.04	B.GLASGOW-RHODES	USA
3:02.43	HUDDIE MURRAY	USA
3:02.91	ESTHER ISEPPI	SUI
3:03.04	VERITY DOBBIE	GBR

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

3:03.23 AMANDA HEATH GBR
3:03.63 ANNE-K. NEUMANN GER
3:04.10 LINDA PHILLIPS GBR
3:04.33 HIROKO ISHII JPN
3:04.39 C.BERGMANN GER
3:05.07 LESLIE COOPER USA

50 M. FLY

30.66 CHRIS BREEDY USA
30.66 DIANE BRADES GBR
30.90 TAMI BENNETT USA
30.95 ROSEMARIE SEAMAN USA
30.99 N. NIXON AUS
31.14 M.RODAHL-WILLIAMS NZL
31.21 GRACIE GODDARD USA
31.25 MELINDA SCHMITT USA
31.29 KRISTIN HENDERSON USA
31.40 CHRISTINE GREEN GBR

100 M. FLY

1:07.74 TAMI BENNETT USA
1:08.66 DIANE BRADES GBR
1:09.84 ROSEMARIE SEAMAN USA
1:10.08 GRACIE GODDARD USA
1:10.17 LISA MARLOW USA
1:11.02 CHRISTINE GREEN GBR
1:11.03 HUDDIE MURRAY USA
1:11.08 RENATE CHRIST GER
1:11.93 BARBARA GELLRICH GER
1:11.98 CHRIS BREEDY USA

200 M. FLY

2:29.52 B.GLASGOW-RHODES USA
2:30.96 DIANE BRADES GBR
2:34.09 AMY POPE USA
2:36.39 HUDDIE MURRAY USA
2:38.62 ESTHER ISEPPI SUI
2:39.02 RENATE CHRIST GER
2:41.49 K. SMITH AUS
2:43.85 K. MAIDMENT AUS
2:48.69 UTE NETTERSHEIM GER
2:50.65 S. HIGGS AUS

200 M. I.M.

2:31.82 B.GLASGOW-RHODES USA
2:35.11 M.RODAHL-WILLIAMS NZL
2:35.77 ZENA HERRMANN USA
2:37.67 AMY POPE USA
2:39.39 MELINDA SCHMITT USA
2:39.84 DIANE BRADES GBR
2:40.74 SHERIL TAYLOR GBR
2:40.74 TANJA ENGELS GER
2:41.01 ESTHER ISEPPI SUI
2:41.11 BARBARA GELLRICH GER

400 M. I.M.

5:21.34 B.GLASGOW-RHODES USA
5:26.84 AMY POPE USA
5:37.32 DIANE BRADES GBR
5:38.89 HUDDIE MURRAY USA
5:46.22 TOMOKO MORIYA JPN
5:47.43 MARGUERITE MEYER USA
5:47.51 MELINDA L SCHMITT USA
5:49.80 ESTHER ISEPPI SUI
5:49.88 MARY CURL USA
5:52.48 J. COSSTICK AUS

****
WOMEN 35-39
****

50 M. FREE

28.48 LAURA B VAL USA
28.55 K.TREBESINER USA
28.83 L.MORRISON-CASEY USA
29.13 SYLVIE LE NOACH FRA
29.29 JACKI HIRSTY USA
29.83 Z. BOYER AUS
29.89 MANDY MC CLELLAN USA
29.92 K. VALLANCE AUS
30.06 GAIL MEAKINS USA
30.49 LESLIE WETZEL USA
30.49 MARY A. HAMILTON USA

100 M. FREE

1:02.12 LAURA B VAL USA
1:03.70 K.TREBESINER USA
1:04.51 L.MORRISON-CASEY USA
1:05.01 SYLVIE LE NOACH FRA
1:05.44 DANIELLE OGIER USA
1:05.49 MARYANN STEVENS USA
1:06.88 SUSAN SKIFF USA
1:07.29 MARY A. HAMILTON USA
1:07.54 K. VALLANCE AUS
1:07.59 KARIN MILGER GER

200 M. FREE

2:22.08 KAREN FARNSWORTH USA
2:22.16 JACKI HIRSTY USA
2:22.46 K.TREBESINER USA
2:23.02 DANIELLE OGIER USA
2:24.90 SUSAN SKIFF USA
2:25.79 MARYANN STEVENS USA
2:27.78 MARY HAMILTON USA
2:28.94 L. WATSON AUS
2:29.78 KARIN MILGER GER
2:30.19 ULLA MULLER GER

400 M. FREE

4:51.50 KAREN FARNSWORTH USA
5:02.64 DANIELLE OGIER USA
5:05.14 CATHERINE CHAY USA
5:13.57 K. VAN KOOL AUS
5:14.77 MARYANN STEVENS USA
5:15.38 KARIN MILGER GER
5:16.26 R. CUNNINGTON AUS
5:18.06 SYLVIE LE NOACH FRA
5:19.74 ANGELA FISHER GBR
5:21.06 DEBBIE FLANSBURG USA

800 M. FREE

10:06.87 KAREN FARNSWORTH USA
10:17.76 JACKI HIRSTY USA
10:25.64 LORI WATSON AUS
10:27.83 CATHERINE CHAY USA
10:49.08 DEBBIE FLANSBURG USA
10:50.67 DANIELLE OGIER USA
10:57.16 ANGELA FISHER GBR
10:59.40 LISA BENNETT USA
11:02.88 KARIN MILGER GER
11:07.49 GAYLE BENTY USA

1500 M. FREE

19:01.20 KAREN FARNSWORTH USA
20:02.20 K. VAN KOOL AUS
20:26.61 SUSAN SKIFF USA
20:29.15 BETH HINES USA
20:29.31 DANIELLE OGIER USA
20:36.03 CATHERINE CHAY USA
20:58.46 DEBBIE FLANSBURG USA
21:16.08 GAYLE BENTY USA
21:41.54 JOANNE BOWSER USA
21:54.31 K. GIBSON AUS

50 M. BACK

32.66 LAURA B VAL USA
33.87 GLENDA BIDDLE NZL
34.58 KAREN FARNSWORTH USA
35.30 ANGELA FISHER GBR
35.41 BARBARA STUBBE GER
35.55 K. VALLANCE AUS
35.60 CHRISTIANE ABEID BRA
36.05 MARY A. HAMILTON USA
36.20 HEIDI BECKERS GER
36.20 MARIA I.S. GUERRA BRA

100 M. BACK

1:12.56 LAURA B VAL USA
1:14.18 KAREN FARNSWORTH USA
1:16.81 ANGELA FISHER GBR
1:17.45 GLENDA BIDDLE NZL
1:17.71 MARYANN STEVENS USA
1:17.75 MARY A. HAMILTON USA
1:18.41 BARBARA STUBBE GER
1:20.00 JUDIT BARANYI HUN
1:20.01 DENISE CARR GBR
1:20.36 K. VALLANCE AUS

200 M. BACK

2:38.14 KAREN FARNSWORTH USA
2:41.64 LAURA B VAL USA
2:46.17 MARY ANN STEVENS USA
2:46.50 GLENDA BIDDLE NZL
2:48.41 ANGELA FISHER GBR
2:50.28 MARY A. HAMILTON USA
2:51.11 NANCY LEWIS USA
2:52.69 JOANNE BOWSER USA
2:52.74 JUDIT BARANYI HUN
2:53.02 S ANDREW AUS

50 M. BRST

36.00 LESLIE WETZEL USA
37.18 LISA BENNETT USA
38.09 LYUBOV RUSSANOVA URS
38.32 GILLIAN CACKETT GBR
38.62 GAYLE BENTY USA
38.64 GIOVANA MOREIRA BRA
39.00 K. GIBSON AUS
39.24 REGULA STEIGER SUI
39.37 DANIELLE OGIER USA
39.51 MANDY MC CLELLAN USA

100 M. BRST

1:21.44 LESLIE WETZEL USA
1:23.45 K. GIBSON AUS
1:23.51 GAYLE BENTY USA
1:23.55 LISA BENNETT USA
1:23.91 BECKY JONES KOLAR USA
1:24.54 GILLIAN CACKETT GBR
1:25.92 LJBOE RUSANOWA URS
1:26.87 CHRISTINE ELSNER GER
1:27.13 KRISSY MACCURDY USA
1:27.49 KARIN MILGER GER

200 M. BRST

2:58.30 GAYLE BENTY USA
3:00.58 K. GIBSON AUS
3:01.45 GILLIAN CACKETT GBR
3:02.04 LESLIE WETZEL USA
3:04.20 LISA BENNETT USA
3:08.06 CHRISTINE ELSNER GER
3:11.18 M.HILLENBRAND GER
3:11.35 MELISSA C. HANSON USA
3:12.03 KARIN MILGER GER
3:12.56 DANIELLE OGIER USA

50 M. FLY

30.02 LAURA B VAL USA
31.64 K.TREBESINER USA
32.18 LISA BENNETT USA
32.32 MARYANN STEVENS USA
32.44 Z. BOYER AUS
32.52 SYLVIE LE NOACH FRA
32.69 MARY A. HAMILTON USA
32.82 GIOVANA MOREIRA BRA
32.88 L.MORRISON-CASEY USA
33.16 SALLY MILLS GBR

100 M. FLY

1:07.34 LAURA B VAL USA
1:11.08 SUSAN SKIFF USA
1:11.78 MARY ANN STEVENS USA
1:12.71 MARY A. HAMILTON USA
1:13.51 SALLY MILLS GBR
1:13.73 K.TREBESINER USA
1:13.79 DEBBIE FLANSBURG USA
1:14.52 C. SCOVELL GBR
1:15.16 LISA BENNETT USA
1:15.23 KRISSY MACCURDY USA

200 M. FLY

2:39.14 SUSAN SKIFF USA
2:40.57 MARY ANN STEVENS USA
2:42.51 DEBBIE FLANSBURG USA
2:51.41 LORI WATSON AUS
2:52.29 SALLY MILLS GBR
2:54.71 K.TREBESINER USA
2:59.15 CARLA HENSEN NED
2:59.41 M.HILLENBRAND GER
3:00.64 ELAINE FINCHAM USA
3:06.75 ULLA MULLER GER

200 M. I.M.

2:42.08 LAURA B VAL USA
2:43.68 SUSAN SKIFF USA
2:44.42 DANIELLE OGIER USA
2:44.60 MARYANN STEVENS USA
2:46.53 LORI WATSON AUS
2:47.20 LISA BENNETT USA
2:47.53 KRISSY MACCURDY USA
2:48.20 K.EHRNSCHWENDER USA
2:49.25 CATHERINE CHAY USA
2:49.37 KARIN MILGER GER

400 M. I.M.

5:37.19 KAREN FARNSWORTH USA
5:46.60 LORI WATSON AUS
5:51.42 SUSAN SKIFF USA
5:51.95 MARY ANN STEVENS USA
5:54.70 CATHERINE CHAY USA
6:06.96 DANIELLE OGIER USA
6:10.98 KARIN MILGER GER
6:12.83 ULLA MULLER GER
6:15.13 DENICE CARR GBR
6:16.26 CAROL LEE-HELTZEL USA

****
WOMEN 40-44
****

50 M. FREE

30.16 ROSARIO DE YORI PER
30.31 CONNIE BOER-BUIS NED
30.43 DOT MUNGER USA
30.50 C.NIEUWENHUIS NED
30.57 SUSAN SHRIMPTON GBR
30.64 SHARON WISE USA
30.65 BARBARA G. DUNBAR USA
30.74 F.WILLIAMSON USA
30.81 LORI SCHMIDT USA
30.88 MICHIKO KIHARA JPN

100 M. FREE

1:04.94 DOT MUNGER USA
1:06.65 LORI SCHMIDT USA
1:06.73 ROSARIO DE YORI PER
1:07.61 BARBARA G. DUNBAR USA
1:08.01 F.WILLIAMSON USA
1:08.49 SANDRA O'NEIL GBR
1:08.95 CELESTE MILLER USA
1:09.44 CONNIE BOER-BUIS NED
1:09.63 SHARON WISE USA
1:10.53 C.IANNACONE USA

200 M. FREE

2:21.09 DOT MUNGER USA
2:22.69 BARBARA G DUNBAR USA
2:26.60 C.DIXON-EBBELAAR NED
2:26.96 LORI SCHMIDT USA
2:30.88 SANDRA O'NEIL GBR
2:31.57 ROSARIO DE YORI PER
2:31.75 JONELLE SCHMIDT USA
2:31.93 SUSI CHANDLER USA
2:32.61 CELESTE MILLER USA
2:34.08 F.WILLIAMSON USA

400 M. FREE

4:59.66 BARBARA G DUNBAR USA
5:01.39 DOT MUNGER USA
5:17.20 LORI SCHMIDT USA
5:17.72 C.IANNACONE USA
5:23.06 SUSI CHANDLER USA
5:24.13 SANDRA O'NEIL GBR
5:25.47 JONELLE SCHMIDT USA
5:25.55 ROSARIO DE YORI PER
5:27.33 MIREILLE RICHTER SUI
5:29.67 JOAN DIERCKS USA

800 M. FREE

10:07.92 BARBARA G. DUNBAR USA
10:14.22 DOT MUNGER USA
11:01.84 SUSI CHANDLER USA
11:04.51 MIREILLE RICHTER SUI
11:10.42 TERRY SUE GAULT USA
11:19.48 JOAN DIERCKS USA
11:22.55 BERNIE POOLE NZL
11:23.32 GWEN DEELY USA
11:23.40 SANDRA O'NEIL GBR
11:30.45 KATHRINE CASEY USA

1500 M. FREE

19:30.71 BARBARA G. DUNBAR USA
21:05.06 C.IANNACONE USA
21:07.68 TERRY SUE GAULT USA
21:25.96 BERNIE POOLE NZL
21:49.33 MIREILLE RICHTER SUI
21:50.47 KATHRINE CASEY USA
22:09.54 SALLY DILLON USA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

22:48.74 ANNE PAGE USA
22:59.39 CYNTHIA JONES USA
23:07.38 CATHERINE QUILL USA

50 M. BACK

34.78 MICHIKO KIHARA JPN
34.82 BENEDICTE DUPREZ FRA
35.38 BROOKE E DICK USA
35.73 DEB WALKER USA
35.74 ANNE CORK GBR
35.77 TAKAKO NAKAHARA JPN
36.00 ANGELIKA KRAUS GER
36.29 JUDY STEFANICK USA
36.83 MAGDOLNA PATOH HUN
37.05 DEBORAH MAYRICK GBR

100 M. BACK

1:13.50 BENEDICTE DUPREZ FRA
1:18.06 ANNE CORK GBR
1:18.43 JUDY STEFANICK USA
1:18.86 MICHIKO KIHARA JPN
1:19.20 TAKAKO NAKAHARA JPN
1:19.33 DEB WALKER USA
1:19.62 SANDRA O'NEIL GBR
1:20.45 BROOKE E DICK USA
1:22.68 DEBORAH MAYRICK GBR
1:23.79 JILL WHYMAN GBR

200 M. BACK

2:44.80 BENEDICTE DUPREZ FRA
2:46.74 ANNE CORK GBR
2:51.12 JUDY STEFANICK USA
2:52.90 TAKAKO NAKAHARA JPN
2:53.77 DEB WALKER USA
2:54.11 JONELLE SCHMIDT USA
2:57.91 JUDY BELFORD USA
3:01.67 N.MICHAILOVA URS
3:03.30 MASAKO AKITA JPN
3:03.39 BARBARA G. DUNBAR USA

50 M. BRST

37.32 DOT MUNGER USA
37.49 CHRISTINE HEEREN GER
37.60 DEB WALKER USA
37.65 A.WRIGHT-BELKNAP USA
38.42 J. MCLEOD AUS
39.70 BRIGITTE KUHL GER
39.94 LORI SCHMIDT USA
39.95 KATHRINE CASEY USA
40.13 RUTH THONSON GBR
40.34 SUSAN MAGNALL GBR

100 M. BRST

1:21.73 DEB WALKER USA
1:21.77 DOT MUNGER USA
1:25.63 A.WRIGHT-BELKNAP USA
1:26.49 CHRISTINE HEEREN GER
1:28.35 SUSAN MAGNALL GBR
1:30.42 YOLANDE DUBUISSON BEL
1:30.50 SACHIKO MATSUNO JPN
1:30.69 S.MORCHE-BLOCH GER
1:30.83 BERNICE WILKINS GBR
1:30.96 URSULA KLOSE GER

200 M. BRST

3:01.46 DEB WALKER USA
3:06.09 CHRISTIANE HEEREN GER
3:07.99 S.MORCHE-BLOCH GER
3:08.26 SUSAN MAGNALL GBR
3:13.51 A.WRIGHT-BELKNAP USA
3:14.74 YOLANDE DUBUISSON BEL
3:15.26 BRIGITTE SAFRONOW GER
3:16.63 ANNE CORK GBR
3:17.89 KATHRINE CASEY USA
3:18.54 MARGARET ROPER GBR

50 M. FLY

32.72 CONNIE BOER-BUIS NED
32.79 BARBARA G. DUNBAR USA
33.40 C.NIEUWENHUIS NED
33.49 RUTH THOMSON GBR
34.02 SHARON WISE USA
34.31 JAMIE STEWART USA
34.34 H. NAKAGAWA JPN
34.39 SUSAN MAGNALL GBR
34.66 KAY WILDING GBR
34.71 SUSI CHANDLER USA

100 M. FLY

1:10.40 BARBARA G DUNBAR USA
1:15.94 C.DIXON-EBBELAAR NED
1:16.17 SUSI CHANDLER USA
1:18.78 BERNICE WILKINS GBR
1:19.50 TERRY GAULT USA
1:19.67 JANET GETTLING USA
1:20.41 ANNE CORK GBR
1:20.58 JUDY STEFANICK USA
1:21.04 JAMIE STEWART USA
1:21.08 S.MORCHE-BLOCH GER

200 M. FLY

2:37.94 BARBARA G. DUNBAR USA
2:58.22 S.MORCHE-BLOCH GER
3:01.10 JANET GETTLING USA
3:01.82 TERRY GAULT USA
3:11.09 CATHY MANCINO USA
3:15.70 VICKI E SMERDON USA
3:16.92 PATRICIA JACKSON GBR
3:18.89 SUZANNE RAGUE USA
3:20.51 JAMIE STEWART USA
3:21.29 CATHERINE QUILL USA

200 M. I.M.

2:45.12 BARBARA G DUNBAR USA
2:50.38 LORI SCHMIDT USA
2:50.54 SUSI CHANDLER USA
2:50.64 SANDRA O'NEIL GBR
2:52.32 ANNE CORK GBR
2:53.62 JONELLE SCHMIDT USA
2:55.07 DEB WALKER USA
2:55.08 PATRICIA LEGGE GBR
2:57.21 S.MORCHE-BLOCH GER
2:57.92 STEPHANIE WALSH USA

400 M. I.M.

5:45.58 BARBARA G. DUNBAR USA
6:13.11 ANNE CORK GBR
6:22.94 SANDRA O'NEIL GBR
6:23.41 JANET GETTLING USA
6:25.85 S.MORCHE-BLOCH GER
6:28.39 JUDY STEFANICK USA
6:31.38 KATHRINE CASEY USA
6:36.30 CATHY MANCINO USA
6:38.47 BERNIE POOLE NZL
6:39.34 PATRICIA JACKSON GBR

****
WOMEN 45-49
****

50 M. FREE

30.64 NANCY RIDOUT USA
30.67 GISELA WINTER GER
30.69 JUDY WILSON GBR
31.27 CAROLYN F BOAK USA
31.64 C. FLEMING AUS
31.64 BRIGITTE MERTEN GER
31.65 J. THOMASSON AUS
31.78 PATTY THOMPSON CAN
32.55 CAROL FELLOWS GBR
32.68 S. TAKEUJI JPN

100 M. FREE

1:08.62 JUDY WILSON GBR
1:10.11 CAROLYN F BOAK USA
1:10.16 NANCY RIDOUT USA
1:10.19 BRIGITTE MERTEN GER
1:10.96 C. FLEMING AUS
1:11.00 PATTY THOMPSON CAN
1:11.68 CAROL FELLOWS GBR
1:12.60 ANN SVANSON USA
1:12.95 J. THOMASSON AUS
1:14.73 L. MEANEY AUS

200 M. FREE

2:38.06 PATTY THOMPSON CAN
2:38.91 BRIGITTE MERTEN GER
2:39.34 NANCY RIDOUT USA
2:39.63 JUDY WILSON GBR
2:39.73 C. FLEMING AUS
2:40.00 ANN SVANSON USA
2:41.60 JACKIE M MARR USA
2:41.88 LINDA SKRITON GBR
2:44.83 L. MEANEY AUS
2:45.82 PENNY WEBSTER GBR

400 M. FREE

5:31.10 SARAH BROUGHER USA
5:38.28 NANCY RIDOUT USA
5:41.42 ANN SVANSON USA
5:43.38 PATTY THOMPSON CAN
5:46.51 BARBARA FRID USA
5:46.70 C. FLEMING AUS
5:48.89 BRIGITTE MERTEN GER
5:50.72 PENNY WEBSTER GBR
5:51.33 JUDY WILSON GBR
5:51.85 JUDITH VAN BERKEL NED

800 M. FREE

11:35.60 JANE KATZ USA
11:38.08 ANN SVANSON USA
11:42.33 JUDY WILSON GBR
11:50.56 J. THOMASSON AUS
11:51.99 NANCY J RIDOUT USA
11:55.36 BARBARA FRID USA
11:57.03 SUE DILLS USA
12:01.25 JUDITH VAN BERKEL NED
12:01.26 C. FLEMING AUS
12:06.25 SARAH L BROUGHER USA

1500 M. FREE

21:56.42 JANE KATZ USA
22:32.41 ANN SVANSON USA
22:36.08 PAT MALEY USA
23:05.36 SARAH L BROUGHER USA
23:40.96 JUDITH VAN BERKEL NED
23:44.58 MARY POHLMANN USA
23:47.47 C. FLEMING AUS
23:50.30 J. THOMASSON AUS
24:04.87 L. MEANEY AUS
24:21.55 ALISON LEACH NZL

50 M. BACK

35.73 SATOKO TAKEUJI JPN
37.10 MAGGIE BROOKE HKG
37.56 GISELA WINTER GER
37.69 H. SATO JPN
37.92 MARTA EGERVARY HUN
38.25 HELEN TRIPPE GBR
38.36 MARY POHLMANN USA
38.65 VERONIKA HOLLETZ GER
38.71 BETTY BENNETT USA
38.72 J. THOMASSON AUS

100 M. BACK

1:19.76 SATOKO TAKEUJI JPN
1:21.99 BRIGITTE MERTEN GER
1:24.10 MARTA EGERVARY HUN
1:25.17 HELEN TRIPPE GBR
1:25.60 GINGER PIERSON USA
1:25.64 MARY POHLMANN USA
1:26.29 BETTY BENNETT USA
1:26.69 J. THOMASSON AUS
1:29.03 JUDITH VAN BERKEL NED
1:29.20 G. WILLIAMS AUS

200 M. BACK

2:57.84 BRIGITTE MERTEN GER
3:00.90 MARY POHLMANN USA
3:05.03 J. THOMASSON AUS
3:05.17 MARTA EGERVARY HUN
3:06.55 BETTY BENNETT USA
3:07.51 SARAH L BROUGHER USA
3:08.77 GINGER PIERSON USA
3:09.15 SARAH BROUGHER USA
3:11.39 J.MURPHY-SHERMAN USA
3:12.81 C. SOUTH AUS
3:12.81 JANE KATZ USA

50 M. BRST

40.20 GINGER PIERSON USA
40.30 MONIKA SENFTLEBEN GER
40.44 ELAINE BROMWICH GBR
40.83 VLASTA OEHL GER
41.03 GERHILD ESSER GER
41.79 PATRICIA KINGSLEY GBR
41.98 DIANE FORD GBR
42.38 VERA SASSE BRA
42.45 J. THOMASSON AUS
42.49 HANNA BOLLS GER
42.49 HANNELORE ROSE GER

100 M. BRST

1:27.69 GINGER PIERSON USA
1:27.69 ELAINE BROMWICH GBR
1:30.62 GERHILD ESSER GER
1:30.62 DIANE FORD GBR
1:31.20 HANNELORE ROSE GER
1:31.32 MONIKA SENFTLEBEN GER
1:31.88 VLASTA OEHL GER
1:32.06 VOLCKER ANNEGRET GER
1:32.44 PATRICIA KINGSLEY GBR
1:33.12 J.MURPHY-SHERMAN USA

200 M. BRST

3:10.27 ELAINE BROMWICH GBR
3:11.57 VOLCKER ANNEGRET GER
3:16.41 GINGER PIERSON USA
3:17.09 HANNELORE ROSE GER
3:19.25 GERHILD ESSER GER
3:20.77 VLASTA OEHL GER
3:21.93 DIANE FORD GBR
3:23.36 MONIKA SENFTLEBEN GER
3:23.67 ETSUKO IKEDA JPN
3:23.79 J.MURPHY-SHERMAN USA

50 M. FLY

33.59 JUDY WILSON GBR
34.08 SARAH L BROUGHER USA
34.78 NANCY RIDOUT USA
35.01 GISELA WINTER GER
35.07 BRIGITTE MERTEN GER
35.63 HARRIET BERGER GER
35.77 B. LUSCOMBE AUS
35.90 GINGER PIERSON USA
36.00 PEGGI WIRTH USA
36.69 IRENE DAVID USA

100 M. FLY

1:17.63 JUDY WILSON GBR
1:18.95 BRIGITTE MERTEN GER
1:19.49 NANCY RIDOUT USA
1:24.74 B. LUSCOMBE AUS
1:25.33 GINGER PIERSON USA
1:25.80 GERHILD ESSER GER
1:28.24 IRENE DAVID USA
1:28.63 JACKIE M MARR USA
1:29.31 PATTY THOMPSON CAN
1:29.63 HANNELORE ROSE GER

200 M. FLY

3:11.51 GINGER PIERSON USA
3:13.34 GERHILD ESSER GER
3:17.36 JACKIE M MARR USA
3:22.28 ELAINE BROMWICH GBR
3:25.09 HANNELORE ROSE GER
3:25.84 E. FLEIG AUS
3:26.96 IRENE DAVID USA
3:32.58 MARY POHLMANN USA
3:33.12 ANN SVANSON USA
3:34.18 P. FLETCHER AUS

200 M. I.M.

2:48.71 BRIGITTE MERTEN GER
2:56.59 CAROLYN F BOAK USA
3:01.02 GINGER PIERSON USA
3:04.78 ANN SVANSON USA
3:06.01 LINDA SKRITON GBR
3:06.30 JUDITH VAN BERKEL NED
3:06.57 J.MURPHY-SHERMAN USA
3:07.08 GERHILD ESSER GER
3:07.78 BETTY BENNETT USA
3:10.67 ELAINE BROMWICH GBR

400 M. I.M.

6:13.18 BRIGITTE MERTEN GER
6:32.16 GINGER PIERSON USA
6:36.42 J.MURPHY-SHERMAN USA
6:41.20 JANE KATZ USA
6:44.35 ELAINE BROMWICH GBR
6:45.61 ANN SVANSON USA
6:48.08 SUE DILLS USA
6:51.08 GERHILD ESSER GER
6:51.91 HANNELORE ROSE GER
6:53.02 BETTY BENNETT USA

****
WOMEN 50-54
****

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

****
50 M. FREE
32.68 Y. OSAKI JPN
33.08 CHRISTEL SCHULZ GER
33.23 CLAIRE O'DWYER IRL
33.61 ERNA VAHRMEIJER NED
33.91 JAYNE LAMBKE USA
33.93 LESLIE SMITH USA
34.16 MARGA SCHULZE GER
34.72 M. MCINTOSH AUS
34.78 BARBARA ZAREMSKI USA
34.79 S. HAMADA JPN
100 M. FREE
1:11.17 ARDETH MUELLER USA
1:11.62 Y. OSAKI JPN
1:13.43 JAYNE LAMBKE USA
1:15.26 CLAIRE O'DWYER IRL
1:15.56 M. MCINTOSH AUS
1:16.39 LESLIE SMITH USA
1:16.71 MARGA SCHULZE GER
1:17.43 ANNE KREISEL GER
1:17.63 SUSAN BRADLEY-COX USA
1:18.53 BETSY T. JORDAN USA
200 M. FREE
2:32.25 ARDETH MUELLER USA
2:37.44 YOSHIKO OSAKI JPN
2:44.11 JAYNE LAMBKE USA
2:48.20 M. MCINTOSH AUS
2:51.31 BETSY T. JORDAN USA
2:52.49 ANNE KREISEL GER
2:54.65 MARGA SCHULZE GER
2:56.33 BIRGIT OSSELMANN GER
2:56.40 SUSAN L MUNN USA
2:57.59 CHARLOTTE JENKINS USA
400 M. FREE
5:16.62 ARDETH MUELLER USA
5:31.04 YOSHIKO OSAKI JPN
5:50.96 JAYNE LAMBKE USA
6:00.52 BETSY T. JORDAN USA
6:00.54 SUSAN BRADLEY-COX USA
6:05.41 ANNE KREISEL GER
6:06.13 MARGA SCHULZE GER
6:15.01 M. MCINTOSH AUS
6:15.05 C. NEWEY AUS
6:16.42 SUSAN BLAKE USA
800 M. FREE
10:58.47 ARDETH MUELLER USA
11:32.21 YOSHIKO OSAKI JPN
12:08.05 JAYNE LAMBKE USA
12:14.66 BETSY T. JORDAN USA
12:24.27 SUSAN BRADLEY-COX USA
12:31.12 ANNE KREISEL GER
12:31.87 MARGA SCHULZE GER
12:32.84 SUSAN L MUNN USA
12:36.92 M. MCINTOSH AUS
13:06.12 BRENDA WALKER GBR
1500 M. FREE
21:02.46 ARDETH MUELLER USA
23:19.06 JAYNE LAMBKE USA
23:40.06 SUSAN L MUNN USA
23:44.59 M. MCINTOSH AUS
23:51.59 BETSY T. JORDAN USA
24:54.16 BARBARA ZAREMSKI USA
25:04.17 SUSAN BLAKE USA
25:13.95 G. HARDY AUS
25:19.33 LOTTIE GEURTS NED
25:36.53 SUE SMITH NZL
50 M. BACK
37.62 BETSY JORDAN USA
40.23 ROTRAUD PALMER GBR
40.61 ULLA KASTNER GER
41.23 A. KINNAIRD AUS
41.27 ANNE WILSON NZL
42.59 JOSE ADAM GBR
42.74 INGRID LANGE GER
42.78 HELI PAALOSALO FIN
42.99 ISOLDE RUCKER GER
43.09 ROSAMARIE FRANKE GER
100 M. BACK
1:23.29 BETSY JORDAN USA
1:28.89 ROTRAUD PALMER GBR
1:29.28 ULLA KASTNER GER
1:31.29 ANNE WILSON NZL
1:32.32 A. KINNAIRD AUS
1:32.78 SUSAN BLAKE USA
1:32.87 BRENDA WALKER GBR
1:34.13 URSULA NOLDER GER
1:34.50 INGRID LANGE GER
1:34.79 DORIS HANNESEN GER
200 M. BACK
3:01.18 BETSY T JORDAN USA
3:12.38 ROTRAUD PALMER GBR
3:12.59 ULLA KASTNER GER
3:15.70 P. HUTCHINGS AUS
3:18.60 SUSAN BLAKE USA
3:19.91 ANNE WILSON NZL
3:21.06 URSULA NOLDER GER
3:21.97 JUTTA SEIDL GER
3:22.34 C. NEWEY AUS
3:25.39 A. KINNAIRD AUS
50 M. BRST
41.12 JOANN LEILICH USA
41.19 ROTRAUD PALMER GBR
41.21 ERNA VAHRMEIJER NED
43.14 RITA BINDER GER
43.19 CLAIRE O'DWYER IRL
43.69 DORTE SIEMER GER
44.09 INGRID LUNING GER
44.30 MARGIT JEBE USA
44.34 YOSHIKO OKUTOMI JPN
44.37 DORIS THEISSEN GER
100 M. BRST
1:30.14 ROTRAUD PALMER GBR
1:30.85 ERNA VAHRMEIJER NED
1:32.31 JOANN LEILICH USA
1:35.22 INGRID LUNING GER
1:35.99 DORTE SIEMER GER
1:36.88 DORIS THEISSEN GER
1:37.14 YOSHIKO OKUTOMI JPN
1:37.84 MARGIT JEBE USA
1:37.87 ISE HETZEL-ROOSEN GER
1:38.29 ELSBETH FLICK GER
200 M. BRST
3:17.84 ERNA VAHRMEIJER NED
3:19.25 ROTRAUD PALMER GBR
3:20.23 INGRID LUNING GER
3:25.69 DORIS THEISSEN GER
3:26.30 ISE HETZEL-ROOSEN GER
3:27.32 JOANN LEILICH USA
3:28.55 KEIKO YAMADA JPN
3:29.24 LINDSEY LANT GBR
3:33.59 BRIGITTE ODKOLEK GER
3:34.15 MARGIT JEBE USA
50 M. FLY
32.76 ARDETH MUELLER USA
36.57 BETSY JORDAN USA
36.74 CHRISTEL SCHULZ GER
37.15 CLAIRE O'DWYER IRL
37.40 ERNA VAHRMEIJER NED
37.71 Y. OSAKI JPN
38.15 JAYNE LAMBKE USA
38.62 K.TATSUKOSHI JPN
38.64 ROTRAUD PALMER GBR
39.50 HEIDI KAMPSCHULTE GER
100 M. FLY
1:15.47 ARDETH MUELLER USA
1:28.65 TOMOKO ASAHI JPN
1:29.40 ROTRAUD PALMER GBR
1:32.35 ERNA VAHRMEIJER NED
1:34.15 BETSY T JORDAN USA
1:34.83 CHARLOTTE JENKINS USA
1:34.90 JAYNE LAMBKE USA
1:35.93 RITA BINDER GER
1:38.06 CHRISTEL VIGENER GER
1:38.47 SIGRID KOCH GER
200 M. FLY
2:49.53 ARDETH MUELLER USA
3:21.35 ERNA VAHRMEIJER NED
3:29.87 TOMOKO ASAHI JPN
3:36.60 BETSY T JORDAN USA
3:37.14 ISE HETZEL-ROOSEN GER
3:38.65 YUKIKO UEHARA JPN
3:41.15 SUSAN BLAKE USA
3:42.01 CHRISTEL VIGENER GER
3:47.13 SUSAN RITTENHOUSE USA
3:48.69 LUCILLE GRIFFIN USA
200 M. I.M.
2:54.57 ARDETH MUELLER USA
3:00.12 YOSHIKO OSAKI JPN
3:08.07 ERNA VAHRMEIJER NED
3:09.88 BETSY JORDAN USA
3:10.74 ROTRAUD PALMER GBR
3:15.24 CLAIRE O'DWYER IRL
3:16.55 MARGA SCHULZE GER
3:18.24 JAYNE LAMBKE USA
3:20.74 JOANN LEILICH USA
3:21.11 TOMOKO ASAHI JPN
400 M. I.M.
6:44.94 BETSY JORDAN USA
6:52.54 ERNA VAHRMEIJER NED
7:06.88 TOMOKO ASAHI JPN
7:13.02 SUSAN BLAKE USA
7:14.16 JAYNE LAMBKE USA
7:19.37 S. UEHARA JPN
7:26.54 BARBARA ZAREMSKI USA
7:30.96 G. SHELLEY AUS
7:32.00 BRENDA HALLARD GER
7:33.35 SANDY JACKSON USA
****
WOMEN 55-59
****
50 M. FREE
32.59 JAYNE BRUNER USA
34.12 P. HUTCHINGS AUS
34.69 URSULA FROHLICH GER
35.01 LOTTIE GEURTS NED
35.17 U.MEYER-TONNDORF GER
35.49 DIANE STOWELL USA
35.59 M. MCQUADE AUS
35.83 H. SATO JPN
35.84 LAVELLE STOINOFF USA
35.84 JOHNNIE DETRICK USA
100 M. FREE
1:17.67 P. HUTCHINGS AUS
1:18.94 LOTTIE GEURTS NED
1:19.15 DIANE STOWELL USA
1:19.55 U.MEYER-TONNDORF GER
1:20.12 HELGA MULDER GER
1:20.30 URSULA FROHLICH GER
1:20.75 J. GRANZIERA AUS
1:21.57 M. MCQUADE AUS
1:22.53 JOHNNIE DETRICK USA
1:23.12 BEVERLY MYERS USA
200 M. FREE
2:47.17 LAVELLE STOINOFF USA
2:56.69 DIANE STOWELL USA
2:56.99 HELGA MULDER GER
2:58.84 LOTTIE GEURTS NED
2:59.98 HISAKO SATO JPN
3:00.69 URSULA FROHLICH GER
3:04.89 HEIKE HOLER GER
3:08.69 KAORI MUTO JPN
3:09.60 ANN J KAY USA
3:09.96 LIDA GASCHKE USA
400 M. FREE
5:54.89 LAVELLE STOINOFF USA
6:10.99 HELGA MULDER GER
6:17.27 DIANE STOWELL USA
6:20.80 LOTTIE GEURTS NED
6:22.00 URSULA FROHLICH GER
6:22.78 MARGA SCHULZE GER
6:24.75 HISAKO SATO JPN
6:29.50 B. BROOKS AUS
6:37.24 LIDA GASCHKE USA
6:44.86 MARLENE MENDES BRA
800 M. FREE
12:42.06 HELGA MULDER GER
12:56.57 HISAKO SATO JPN
13:08.83 LOTTIE GEURTS NED
13:20.92 URSULA FROHLICH GER
13:35.99 LIDA GASCHKE USA
13:59.50 MARLENE MENDES BRA
14:06.30 JELTJE VAN BERGEN NED
14:11.24 ANN J KAY USA
14:11.80 RENATA MARTING ITA
14:12.38 KEIKO FUJIMOTO JPN
1500 M. FREE
24:44.30 RONNIE KAMPHAUSON USA
25:19.33 LOTTIE GEURTS NED
27:26.86 BARBARA CALLISON USA
27:26.90 ELIZABETH MOORE USA
27:46.49 DONNA MONROE USA
27:52.50 JANET JOHNSON USA
27:52.81 ADRIENNE S. PIPES USA
28:19.05 MARY ANN STONE USA
29:21.41 B. HART AUS
30:02.03 BEVERLEY TUCKER USA
50 M. BACK
40.50 P. HUTCHINGS AUS
41.30 M. MCQUADE AUS
41.38 NOVIKOVA URS
41.56 HAIKE HOLER GER
41.59 JAYNE BRUNER USA
41.69 BEVERLY MYERS USA
42.48 U.MEYER-TONNDORF GER
43.03 MAE WALDIE CAN
43.42 JELTJE VAN BERGEN NED
43.57 NANCY BROWN USA
100 M. BACK
1:31.76 BEVERLY J. MYERS USA
1:31.80 P. HUTCHINGS AUS
1:33.83 HAIKE HOLER GER
1:34.39 NANCY BROWN USA
1:36.70 U.MEYER-TONNDORF GER
1:38.65 K.NUIDENOVA URS
1:38.70 ANN J KAY USA
1:38.95 J. GRANZIERA AUS
1:39.26 JELTJE VAN BERGEN NED
1:40.15 I.B VENEZIANI BRA
200 M. BACK
3:15.21 NANCY BROWN USA
3:20.95 P. HUTCHINGS AUS
3:27.31 MARLENE MENDES BRA
3:30.54 ANN J KAY USA
3:30.58 ANN CHAMP USA
3:32.65 U.MEYER-TONNDORF GER
3:33.83 SUMIKO SUMITA JPN
3:34.39 IRMGARD NIX GER
3:36.23 JELTJE VAN BERGEN NED
3:37.44 ANNIE DE VOS NED
50 M. BRST
39.91 JAYNE BRUNER USA
44.09 ELEONORE OTTO GER
45.21 ELIANE PELLIS BEL
45.22 G.LEINENWEBER GER
45.49 KATHARINA HASSE GER
45.59 BEVERLY MYERS USA
45.97 JOHNNIE DETRICK USA
46.29 MARIA FIRSOVA URS
46.29 MASAYO AZUMA JPN
46.60 JELTJE VAN BERGEN NED
100 M. BRST
1:30.72 JAYNE BRUNER USA
1:36.99 ELEONORE OTTO GER
1:38.59 G.LEINENWEBER GER
1:38.65 MASAYO AZUMA JPN
1:40.60 ELENOR MACKAY GBR
1:40.96 SYOKO YONEZAWA JPN
1:41.33 JELTJE VAN BERGEN NED
1:42.18 ELIANE PELLIS BEL
1:42.70 KATHARINA HASSE GER
1:42.80 DIANE STOWELL USA
200 M. BRST
3:27.89 JAYNE BRUNER USA
3:29.37 MASAYO AZUMA JPN
3:35.41 ELSA METZGER GER
3:37.59 ELIANE PELLIS BEL
3:38.08 JELTJE VAN BERGEN NED
3:39.12 SYOKO YONEZAWA JPN

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

3:41.57 ANNE MCGUIRE USA
3:41.82 G.LEINENWEBER GER
3:45.89 IMME DROGEMEIER GER
3:47.41 MAREN PISKORA GER

50 M. FLY

36.73 JAYNE BRUNER USA
36.90 HAIKE HOLER GER
39.00 HISAKO SATO JPN
40.25 BEVERLY MYERS USA
41.09 ELEONORE OTTO GER
41.28 HELGA MULDER GER
41.76 M.GARAY-GIBSON GBR
42.12 K. MUTO JPN
42.83 NANCY BROWN USA
43.56 MARCIA B. RIBEIRO BRA

100 M. FLY

1:28.92 HAIKE HOLER GER
1:29.18 JAYNE BRUNER USA
1:35.42 HELGA MULDER GER
1:38.65 H. SATO JPN
1:39.96 G.LEINENWEBER GER
1:41.94 M.GARAY-GIBSON GBR
1:43.06 ANNE MCGUIRE USA
1:43.33 YASUKO TSUCHIYA JPN
1:45.44 DORIS KLITZKE USA
1:47.05 KYOKO HIGURASHI JPN

200 M. FLY

3:29.79 HELGA MULDER GER
3:39.52 ANNE MCGUIRE USA
3:43.78 G.LEINENWEBER GER
3:46.25 M.GARAY-GIBSON GBR
3:55.94 M. MAZAWA JPN
4:00.78 DORIS KLITZKE USA
4:04.75 ELSA METZGER GER
4:06.27 ANNIE DE VOS NED
4:09.92 V. GREEN AUS
4:10.05 TOSHIKO SHIMOKAWA JPN

200 M. I.M.

3:15.19 JAYNE BRUNER USA
3:22.61 DIANE STOWELL USA
3:22.65 HAIKE HOLER GER
3:23.77 HELGA MULDER GER
3:24.05 BEVERLY MYERS USA
3:25.99 ELEONORE OTTO GER
3:28.42 JELTJE VAN BERGEN NED
3:29.18 SYOKO YONEZAWA JPN
3:32.95 ANNE MCGUIRE USA
3:33.24 URSULA FROHLICH GER

400 M. I.M.

7:09.41 HELGA MULDER GER
7:25.01 ANNE MCGUIRE USA
7:48.93 BARBARA CALLISON USA
7:58.75 TOSHIKO SHIMOKAWA JPN
8:00.67 ELSA METZGER GER
8:04.93 JOY ROSS USA
8:08.09 DONNA EDELBAUM USA
8:21.67 CHIRAKO SUZUKI JPN
8:25.47 M. SHOJI JPN
8:25.98 DONNA MONROE USA

****
WOMEN 60-64
****

50 M. FREE

34.33 JANE ASHER GBR
35.35 ODETTE LUSIEN FRA
37.23 GAIL ROPER USA
37.36 GRETHE BENDTSEN DEN
37.43 JEAN TROY USA
37.77 NANCY MACBETH USA
37.77 SADAKO KOUYA JPN
38.20 JACQUELINE DUNLOP USA
38.52 KERSTIN GJORES SWE
38.84 T. BRYAN AUS

100 M. FREE

1:14.25 JANE ASHER GBR
1:24.20 GRETHE BENDTSEN DEN
1:24.50 JEAN TROY USA
1:27.48 SADAKO KOUYA JPN
1:27.66 T. BRYAN AUS

1:28.10 CHISE IBE JPN
1:31.06 ANN M PISCIOTTA USA
1:31.31 EDIE GRUENDER USA
1:31.44 DELLA M SEHORN USA
1:31.54 HELGA MAHLKE GER

200 M. FREE

2:54.78 JANE ASHER GBR
3:06.63 JEAN TROY USA
3:11.10 E. WALLIS AUS
3:14.06 ANN M PISCIOTTA USA
3:21.00 CHISE IBE JPN
3:22.15 MALCHIA S. OLSHAN USA
3:22.26 S. KOUYA JPN
3:23.31 REIKO NAWATA JPN
3:24.80 HELGA MAHLKE GER
3:24.92 EDIE GRUENDER USA

400 M. FREE

6:37.70 JEAN TROY USA
6:50.73 ANN M PISCIOTTA USA
6:56.60 BERNEICE GREETHAM USA
6:56.91 E. WALLIS AUS
7:04.54 MALCHIA S. OLSHAN USA
7:09.77 CHISE IBE JPN
7:18.54 EDIE GRUENDER USA
7:21.33 I.B VENEZIANI BRA
7:29.74 ANN-MARI GERNANDT SWE
7:30.06 NORA LIELLO ITA

800 M. FREE

13:26.62 JEAN TROY USA
14:02.99 HELDE KERN GER
14:08.78 ANN M PISCIOTTA USA
14:52.37 EDIE GRUENDER USA
15:03.33 CHISE IBE JPN
15:05.70 ANITA L HAZEN USA
15:16.81 NORA LIELLO ITA
15:19.63 I.B VENEZIANI BRA
15:30.44 CHIYO INQUE JPN
15:35.62 ANN-MARI GERNANDT GER

1500 M. FREE

26:47.18 MALCHIA S. OLSHAN USA
26:51.67 ANN M PISCIOTTA USA
28:36.91 EDIE GRUENDER USA
29:00.52 ANN DALLAM USA
29:17.09 NANCY DURSTEIN USA
30:58.70 D. DICKEY AUS
31:04.54 T. BRYAN AUS
31:10.10 B. ROSE AUS
31:38.29 BETTY GRIFFIN USA
31:57.73 B. PATERSON AUS

50 M. BACK

41.41 GRETHE BENDTSEN DEN
42.08 JANE ASHER GBR
44.43 EDITH BOEHM GER
44.76 KERSTIN GJORES SWE
45.62 ODETTE LUSIEN FRA
45.79 E.HILDEBRANDT GER
47.09 NANCY MACBETH USA
47.32 T. BRYAN AUS
47.90 DELLA M SEHORN USA
47.95 OLIVE HALE GBR

100 M. BACK

1:30.44 GRETHE BENDTSEN DEN
1:40.19 BERNEICE GREETHAM USA
1:40.87 EDITH BOEHM GER
1:42.70 KERSTIN GJORES SWE
1:43.43 I.B VENEZIANI BRA
1:44.34 OLIVE HALE GBR
1:44.72 JACQUELINE DUNLOP USA
1:45.22 NANCY MACBETH USA
1:47.03 T. BRYAN AUS
1:47.76 ANN M PISCIOTTA USA

200 M. BACK

3:18.20 GRETHE BENDTSEN DEN
3:28.91 KIMIKO OHOKA JPN
3:33.44 NANCY MACBETH USA
3:39.96 BERNEICE GREETHAM USA
3:44.14 I.B VENEZIANI BRA
3:51.31 OLIVE HALE GBR
3:52.75 JACQUELINE DUNLOP USA
3:53.36 JOAN McINTYRE USA

3:53.66 EDITH BOEHM GER
3:54.77 MARY JANE MULLINS USA

50 M. BRST

45.00 EDITH BOEHM GER
45.17 ERIKA LANGE GER
46.45 ODETTE LUSIEN FRA
46.47 ANN M PISCIOTTA USA
47.01 CAROL TAYLOR USA
48.34 ANNY DUREN GER
48.47 KLARA TISHKOVA URS
49.26 HELGA MAHLKE GER
49.80 GRETHE BENDTSEN DEN
49.90 HERTA SOMMERMEIER GER

100 M. BRST

1:39.85 ERIKA LANGE GER
1:41.08 ANN M PISCIOTTA USA
1:42.35 EDITH BOEHM GER
1:44.57 CAROL TAYLOR USA
1:47.24 HELGA MAHLKE GER
1:52.06 MASAE KURATA JPN
1:53.02 JACQUELINE DUNLOP USA
1:53.23 HERTA SOMMERMEIER GER
1:53.33 JARMILA REBICKOVA TCH
1:53.58 MARCELLE LAISNE FRA

200 M. BRST

3:36.60 ANN M PISCIOTTA USA
3:38.67 ERIKA LANGE GER
3:50.72 EDITH BOEHM GER
3:56.53 CAROL TAYLOR USA
4:04.02 M. KURATA JPN
4:06.37 KATHLEEN GRIMMER GBR
4:07.10 BETH BLICKFELDT USA
4:08.13 JOYCE BAHLER USA
4:08.85 ILSE PEREA USA
4:09.58 MARCELLE LAISNE FRA

50 M. FLY

38.54 JANE ASHER GBR
43.30 ODETTE LUSIEN FRA
44.45 GAIL ROPER USA
45.05 EDIE GRUENDER USA
45.60 BERNEICE GREETHAM USA
46.23 EDITH BOEHM GER
46.60 NANCY MACBETH USA
47.34 ANN M PISCIOTTA USA
47.68 CAROL TAYLOR USA
48.92 JEAN TROY USA

100 M. FLY

1:47.84 CAROL TAYLOR USA
1:48.51 ANN M PISCIOTTA USA
1:49.88 NANCY MACBETH USA
1:51.94 EDIE GRUENDER USA
1:56.98 ANNY DUREN GER
1:59.68 B. JONES AUS
2:00.04 MALCHIA S. OLSHAN USA
2:01.10 ANN SHENCK DALLAM USA
2:04.33 GAY C. COLLINS USA
2:05.07 BETTY ROSE GBR

200 M. FLY

3:54.61 ANN M PISCIOTTA USA
4:14.30 EDIE GRUENDER USA
4:15.08 KIMIKO OHOKA JPN
4:19.14 ANN SHENCK DALLAM USA
4:19.36 ANNY DUREN GER
4:25.24 BARBARA OWENS USA
4:33.48 RUTH HOSKINSON USA
4:40.41 T. BRYAN AUS
4:52.60 NELLA KLAUSEN URS
4:57.63 U. KIMURA JPN

200 M. I.M.

3:32.26 GRETHE BENDTSEN DEN
3:33.56 NANCY MACBETH USA
3:37.77 ANN M PISCIOTTA USA
3:42.59 KIMIKO OHOKA JPN
3:47.23 HELGA MAHLKE GER
3:47.24 JACQUELINE DUNLOP USA
3:47.31 DELLA M SEHORN USA
3:54.38 AMY DUREN GER
3:54.99 JOYCE BAHLER USA
3:57.30 MALCHIA S. OLSHAN USA

400 M. I.M.

7:37.00 ANN M PISCIOTTA USA
7:49.10 NANCY MACBETH USA
7:51.81 KIMIKO OHOKA JPN
8:08.02 JACQUELINE DUNLOP USA
8:08.88 ANNY DUREN GER
8:15.52 JOYCE BAHLER USA
8:25.86 EDIE GRUENDER USA
8:34.32 T. BRYAN AUS
8:39.28 NANCY DURSTEIN USA
8:57.75 G. JONES AUS

****
WOMEN 65-69
****

50 M. FREE

36.07 OLGA JOHNSON NZL
36.20 CLARA WALKER USA
36.74 M. CUNNINGHAM AUS
37.68 DOROTHY DONNELLY USA
38.47 PETEY SMITH USA
38.53 U. KUWAHARA JPN
38.97 DOREEN COPE GBR
39.22 M. TANI JPN
40.05 FLORENCE CARR USA
40.21 M. HOTEHAMA JPN

100 M. FREE

1:18.66 CLARA WALKER USA
1:22.65 M. CUNNINGHAM AUS
1:24.32 PETEY SMITH USA
1:28.24 DOROTHY DONNELLY USA
1:30.00 JUNE KRAUSER USA
1:32.48 HIDEKO NAITO JPN
1:33.12 AGNES PLISSON FRA
1:33.38 UMEKO KUWAHARA JPN
1:33.39 M. TANI JPN
1:33.46 RUTH H. BAAR USA

200 M. FREE

2:56.88 CLARA WALKER USA
3:03.24 PETEY SMITH USA
3:05.50 M. CUNNINGHAM AUS
3:07.22 JUNE KRAUSER USA
3:22.18 FLORENCE CARR USA
3:27.64 GRACE ALTUS USA
3:28.47 DOROTHY DONNELLY USA
3:29.58 JOAN MONAHAN NZL
3:31.78 HIDEKO NAITO JPN
3:34.04 SHIRLEY CRANDELL CAN

400 M. FREE

6:05.22 CLARA WALKER USA
6:30.12 JUNE KRAUSER USA
6:38.95 PETEY SMITH USA
6:53.95 M. CUNNINGHAM AUS
7:18.26 LOIS NOCHMAN USA
7:24.51 GRACE ALTUS USA
7:25.66 MARGERY MEYER USA
7:29.59 ELEANOR B WESSNER USA
7:33.48 RUTH H. BAAR USA
7:33.54 MARY LEE WATSON USA

800 M. FREE

12:39.70 CLARA WALKER USA
13:26.02 JUNE KRAUSER USA
13:36.40 PETEY SMITH USA
14:53.20 M. CUNNINGHAM AUS
15:05.21 LOIS NOCHMAN USA
15:22.38 MARY LEE WATSON USA
15:51.32 MARGERY MEYER USA
15:53.26 CHARLOTE COSTELLO USA
16:05.05 NAN L BLACKLEDGE USA
16:14.09 B. ROSE AUS

1500 M. FREE

24:27.67 CLARA WALKER USA
25:21.40 JUNE KRAUSER USA
28:07.47 GRACE ALTUS USA
28:40.44 LOIS NOCHMAN USA
29:11.63 MARGERY MEYER USA
29:13.20 M. CUNNINGHAM AUS
31:27.79 CLARA SOTAK USA
32:43.18 N. RUDOLPH AUS
33:07.74 MAUREEN STRICHEN NZL
33:54.69 MARJORIE NEWMAN USA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

50 M. BACK
39.90 CLARA WALKER USA
42.62 DORIS STEADMAN USA
44.43 KRISTINA VADEM SWE
45.47 M. KURASHIGE JPN
47.14 REGAN KENNER USA
47.51 MONIQUE BERLIOUX FRA
47.62 MARGERY MEYER USA
48.63 UMEKO KUWAHARA JPN
48.64 M. HOTEHAMA JPN
48.97 JEANNE MERRYMAN USA

100 M. BACK
1:30.97 CLARA WALKER USA
1:33.57 DORIS STEADMAN USA
1:41.42 REGAN KENNER USA
1:44.25 KRISTINA VADEM SWE
1:45.23 M. KURASHIGE JPN
1:47.14 PATSY E WEISS USA
1:49.98 FLORENCE CARR USA
1:50.13 JEANNE MERRYMAN USA
1:50.60 UMEKO KUWAHARA JPN
1:50.94 M.J. AMSBARY USA

200 M. BACK
3:17.21 CLARA WALKER USA
3:25.80 DORIS STEADMAN USA
3:35.69 REGAN KENNER USA
3:47.32 PATSY E WEISS USA
3:50.93 JUNE KRAUSER USA
3:51.00 KRISTINA VADEM GER
3:52.67 M. KURASHIGE JPN
4:00.27 C.WILLIAMS USA
4:00.38 LOIS NOCHMAN USA
4:00.63 ALICIA COLEMAN USA

50 M. BRST
47.73 CLARA WALKER USA
48.07 TSUNEKO MITA JPN
48.94 SATOKO SUZUKI JPN
49.15 REGAN KENNER USA
49.92 JOAN MONAHAN NZL
50.01 ALICIA COLEMAN USA
50.09 LIESBETH BURG NED
50.74 BETH BLICKFELDT USA
51.27 SHIZUE TOYAMA JPN
51.36 CHARLOTE COSTELLO USA

100 M. BRST
1:42.84 CLARA WALKER USA
1:47.81 LIESBETH BURG NED
1:49.05 REGAN KENNER USA
1:49.22 SATOKO SUZUKI JPN
1:50.21 MARGARET EVANS GBR
1:51.18 BETH BLICKFELDT USA
1:52.15 JUNE KRAUSER USA
1:52.38 AGNES PLISSON FRA
1:52.49 TSUNEKO MITA JPN
1:52.82 T. YASUOKA JPN

200 M. BRST
3:49.91 MARGARET EVANS GBR
3:50.58 CLARA WALKER USA
3:53.79 LIESBETH BURG NED
3:58.17 JUNE KRAUSER USA
3:59.62 REGAN KENNER USA
4:04.51 AGNES PLISSON FRA
4:06.54 ALICIA COLEMAN USA
4:08.52 SATOKO SUZUKI JPN
4:13.55 PATSY E WEISS USA
4:14.24 M. CUNNINGHAM AUS

50 M. FLY
43.45 M. CUNNINGHAM AUS
43.50 JUNE KRAUSER USA
43.52 CLARA WALKER USA
44.46 MASUMI TANI JPN
46.23 LOIS NOCHMAN USA
49.05 C.WILLIAMS USA
50.10 CHARLOTE COSTELLO USA
50.28 JEANNE MERRYMAN USA
52.56 SARAH ALLHUTT USA
53.11 AGNES PLISSON FRA

100 M. FLY
1:40.35 JUNE KRAUSER USA
1:50.65 LOIS NOCHMAN USA
2:00.13 CHARLOTE COSTELLO USA
2:04.82 ALICIA COLEMAN USA
2:05.85 AGNES PLISSON FRA
2:05.98 MASUMI TANI JPN
2:07.03 BETTY DUNN USA
2:07.33 JAE HOWELL USA
2:08.51 M. CUNNINGHAM AUS
2:09.51 MARGARET EVANS GBR

200 M. FLY
3:43.24 JUNE KRAUSER USA
4:13.21 LOIS NOCHMAN USA
4:31.79 JAE HOWELL USA
4:34.22 MARGARET EVANS GBR
4:56.67 JUNE REYNOLDS USA
4:57.45 GLADYS OLSEN USA
5:24.74 SHIZU OKA JPN
5:36.02 GLORIA MARIENTHAL USA
6:21.14 CAROL KNEPP USA
6:44.99 ELLEN BOWEN USA

200 M. I.M.
3:19.01 CLARA WALKER USA
3:37.83 JUNE KRAUSER USA
3:43.99 M. CUNNINGHAM AUS
3:55.10 AGNES PLISSON FRA
3:57.34 MARGARET EVANS GBR
3:57.60 FLORENCE CARR USA
4:00.84 JOAN MONAHAN NZL
4:00.88 LOIS NOCHMAN USA
4:01.77 BETH BLICKFELDT USA
4:01.78 ALICIA COLEMAN USA

400 M. I.M.
7:12.69 CLARA WALKER USA
7:27.79 JUNE KRAUSER USA
8:18.45 MARGARET EVANS GBR
8:31.09 M. CUNNINGHAM AUS
8:31.31 ALICIA COLEMAN USA
8:38.05 BETH BLICKFELDT USA
8:38.34 LOIS NOCHMAN USA
8:43.21 AGNES PLISSON FRA
8:47.89 SALLY G SCHOLER USA
9:01.25 JAE HOWELL USA

****
WOMEN 70-74
****

50 M. FREE
37.91 CATHERINE KERR CAN
38.69 J.DRAKE-BRCKMN AUS
40.59 GRETE PFANNMULLER GER
41.05 SUSANNA MARVEL USA
41.06 MARGARET NAGLE USA
42.22 BARDI DENDY USA
42.26 B.ANN BURRILL USA
42.92 YASUKO HASEGAWA JPN
43.52 BETTY CONDON GBR
43.52 AUDREY GATHERCOLE GBR

100 M. FREE
1:31.49 J.DRAKE-BRCKMN AUS
1:35.01 N. OKI JPN
1:35.99 M.PFANNMULLER GER
1:37.58 SUSANNA MARVEL USA
1:38.50 B.BURRILL USA
1:40.58 AUDREY GATHERCOLE GBR
1:40.65 NANCY PHILLIPS USA
1:42.89 BARDI DENDY USA
1:43.33 YASUKO HASEGAWA JPN
1:43.78 RITA SIMONTON USA

200 M. FREE
3:35.85 RITA SIMONTON USA
3:39.54 SUSANNA MARVEL USA
3:39.64 HISAKO KIMOTO JPN
3:40.64 B.ANN BURRILL USA
3:47.32 NANCY PHILLIPS USA
3:50.55 YASUKO HASEGAWA JPN
3:52.19 BARDI DENDY USA
3:54.40 Y.FRISCHHERTZ USA
3:57.68 B. STERN AUS
3:58.20 AUDREY H ETIENNE USA

400 M. FREE
7:33.77 RITA SIMONTON USA
7:44.71 SUSANNA MARVEL USA
7:45.33 B.BURRILL USA
8:00.17 EVA RAUNER GER
8:08.04 Y.FRISCHHERTZ USA
8:17.83 B. STERN AUS
8:23.10 GERTRUD MEERWALD GER
8:24.52 JEANNETTE EPPLEY USA
8:29.27 Y. HASEGAWA JPN
8:29.39 AUDREY H ETIENNE USA

800 M. FREE
15:35.17 RITA SIMONTON USA
15:54.71 HISAKO KIMOTO JPN
16:15.93 EVA RAUNER GER
16:19.16 B.ANN BURRILL USA
16:25.92 NANCY PHILLIPS USA
17:05.72 Y.FRISCHHERTZ USA
17:48.98 NOBUKO YOSHIDA JPN
17:51.45 ZADA W TAFT USA
17:55.25 YASUKO HASEGAWA JPN
18:02.60 BETTY SANDS GBR

1500 M. FREE
29:01.03 RITA SIMONTON USA
31:37.13 Y.FRISCHHERTZ USA
31:48.15 B.ANN BURRILL USA
32:38.81 B. STERN AUS
32:45.97 HELEN HUMMER USA
33:42.90 ZADA W TAFT USA
34:50.05 MARY JANE REEVES USA
35:38.53 EDNA LAFLIN USA
38:11.68 MARIE KREIPE USA
38:14.85 P. RAE AUS

50 M. BACK
48.19 BETTY CONDON GBR
48.29 M.PFANNMULLER GER
48.55 J.DRAKE-BRCKMN AUS
49.31 N. OKI JPN
50.42 B. STERN AUS
50.61 NANCY PHILLIPS USA
50.85 EDITH THEIN ISR
51.09 HANNI LOSER GER
51.61 IRENE SANDAHL USA
52.20 S. MORRIS AUS

100 M. BACK
1:48.52 J.DRAKE-BRCKMN AUS
1:51.60 EDITH THEIN ISR
1:52.41 NANCY PHILLIPS USA
1:52.64 N. OKI JPN
1:53.91 EVA RAUNER GER
1:57.43 YVON FRISCHHERTZ USA
1:58.25 BETTY CONDON GBR
2:00.50 Y. KOIZUMI JPN
2:00.54 P. RAE AUS
2:01.08 B. STERN AUS

200 M. BACK
3:56.36 EDITH THEIN ISR
3:57.80 J.DRAKE-BRCKMN AUS
4:02.05 NANCY PHILLIPS USA
4:02.13 EVA RAUNER GER
4:05.45 Y.FRISCHHERTZ USA
4:13.30 L.ZULESSKUYA URS
4:15.27 B. STERN AUS
4:20.83 Y. KOIZUMI JPN
4:21.75 INGEBORG FRITZE GER
4:24.90 BETTY CONDON GBR

50 M. BRST
50.46 INGEBORG FRITZE GER
52.51 EVA RAUNER GER
53.09 HANNI LOSER GER
53.86 MICHIKO HAMURO JPN
54.26 CANDIDA GANDOLPHO BRA
54.69 AUDREY GATHERCOLE GBR
54.93 J.DRAKE-BRCKMN AUS
55.19 GERTRUD ZINT USA
55.99 HILDEGARD MESSING GER
56.86 KATHE GIEREND GER

100 M. BRST
1:55.08 EVA RAUNER GER
1:56.72 INGEBORG FRITZE GER
2:01.32 HILDEGARD MESSING GER
2:01.79 MICHIKO HAMURO JPN
2:01.86 CANDIDA GANDOLPHO BRA
2:06.57 GERTRUD ZINT USA
2:09.05 KATHE GIEREND GER
2:09.65 FUMIKO NOGUCHI JPN
2:12.67 GERTRUD JUCHTZER GER
2:14.38 AGOTA FROHS USA

200 M. BRST
4:15.01 EVA RAUNER GER
4:16.49 HILDEGARD MESSING GER
4:16.58 MICHIKO HAMURO JPN
4:20.01 INGEBORG FRITZE GER
4:26.43 CANDIDA GANDOLPHO BRA
4:48.92 GERTRUD ZINT USA
5:04.09 BARBARA BOHM GER
5:08.23 Y.FRISCHHERTZ USA
5:09.78 KAY SCHIMPF USA
5:10.39 SALLY JOY USA

50 M. FLY
49.51 CATHERINE KERR CAN
50.86 JEANNETTE EPPLEY USA
53.38 M. DUTTON AUS
53.71 NANCY PHILLIPS USA
54.28 CANDIDA GANDOLPHO BRA
54.39 HANNI LOSER GER
54.40 G.DEGALLIER SUI
54.58 GERTRUD ZINT USA
57.17 CHARLOTTE THIEL GER
57.19 GERTRUD MEERWALD GER

100 M. FLY
2:08.38 GERTRUD MEERWALD GER
2:09.43 JEANNETTE EPPLEY USA
2:17.67 GERTRUD ZINT USA
2:20.72 ZADA W TAFT USA
2:22.82 JANE DOUGHERTY USA
2:25.61 JEAN ZULICH USA
2:27.16 KAY SCHIMPF USA
2:34.13 HELEN HUMMER USA
2:42.17 WINNIE WALTER USA
3:15.56 P. RAE AUS

200 M. FLY
5:07.32 GERTRUD MEERWALD GER
5:08.43 JEANNETTE EPPLEY USA
5:08.77 RITA SIMONTON USA
5:27.40 ZADA W TAFT USA
5:30.48 KAY SCHMIPF USA
5:41.15 WINNIE WALTER USA
8:06.82 FRANCES BELL USA

200 M. I.M.
4:06.97 EVA RAUNER GER
4:16.00 NANCY PHILLIPS USA
4:18.26 MICHIKO HAMURO JPN
4:19.26 RITA SIMONTON USA
4:19.78 GERTRUD MEERWALD GER
4:21.35 HISAKO KIMOTO JPN
4:25.05 M. DUTTON AUS
4:30.48 IRENE SANDAHL USA
4:31.29 GERTRUD ZINT USA
4:33.36 Y.FRISCHHERTZ USA

400 M. I.M.
8:36.31 EVA RAUNER GER
9:03.21 RITA SIMONTON USA
9:08.28 GERTRUD MEERWALD GER
9:17.36 M. DUTTON AUS
9:30.72 JEANNETTE EPPLEY USA
9:31.77 HISAKO KIMOTO JPN
9:35.02 B. STERN AUS
9:55.30 E. PRICE AUS
9:59.58 KAY SCHIMPF USA
10:04.89 GERTRUD ZINT USA

****
WOMEN 75-79
****

50 M. FREE
40.85 HATSUHO SUGAYA JPN
45.74 WILLIE VAN RYSEL GBR
45.83 ANNE WALKER USA
46.37 R.HOFFMANN-HALBSG GER
46.45 NANCY CLARK USA
46.97 MARIE WICKLUN USA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

47.42	MARIA LENK	BRA	200 M. BACK		6:06.61	HELEN SUTTER	USA	4:07.19	A. TAKADA	JPN
50.27	EDITH HEWITT	GBR	4:07.04	WILLIE VAN RYSEL	GBR	6:37.37	RUTH E. RIDENOUR	USA	200 M. BACK	
50.40	MAXINE O. MERLINO	USA	4:10.85	MARIA LENK	BRA	400 M. I.M.			4:58.96	ELSA MATTILA	USA
50.78	L. JOHNSON	AUS	4:13.44	MARIE WICKLUN	USA	10:08.34	JEAN D DURSTON	USA	5:50.95	EDITH HENDRY	USA
100 M. FREE			4:14.54	ANNE WALKER	USA	10:13.98	MAXINE O. MERLINO	USA	5:52.60	MADELEINE MILLER	USA
1:41.51	HATSUHO SUGAYA	JPN	4:28.79	MARIA LENK ZIGLER	USA	11:18.07	MARY WENTWORTH	USA	5:53.99	MEREDITH SCANLON	USA
1:45.76	WILLIE VAN RYSEL	GBR	4:58.53	IVY BROWNE	USA	13:18.96	ANNE WILDER	USA	6:15.38	BETTY ETCHELLS	USA
1:46.66	NANCY CLARK	USA	5:02.25	P MATTHIESEN	USA				6:23.97	R. HEDGES	AUS
1:50.31	MARIA LENK	BRA	5:03.98	MARY LATHRAM	USA	**********			7:35.57	HAZEL BRESSIE	USA
1:51.96	MARIE WICKLUN	USA	5:05.91	SYRILDA HELGREN	USA	WOMEN 80-84			50 M. BRST		
1:52.55	ANNE WALKER	USA	5:08.91	ANNCHEN REILE	GER	**********			1:04.39	MIZZI BUTZBACH	GER
1:55.22	R.HOFFMANN-HALBSG	GER	50 M. BRST			50 M. FREE			1:05.16	U. WADA	JPN
1:57.59	L. JOHNSON	AUS	56.29	EMMI PAULI	GER	44.25	UME WADA	JPN	1:08.39	LIESEL NACHTIGALL	URS
1:57.61	EDITH HEWITT	GBR	58.90	SYRILDA HELGREN	USA	48.78	JULIA DOLCE	USA	1:11.72	M.GOTTSCHALK	GER
1:58.30	MASA SHIGEMITSU	JPN	1:00.45	MARIA LENK	BRA	52.25	M. WRIGHT	AUS	1:11.97	M. WRIGHT	AUS
200 M. FREE			1:00.99	HELENE KOHLER	GER	54.53	AILEEN SOULE	USA	1:16.34	MADELEINE MILLER	USA
3:57.80	MARIA LENK	BRA	1:01.27	C.SPINDELNDREHER	GER	59.02	BETTY ETCHELLS	USA	1:18.45	CATHERINE CRESS	USA
4:00.46	NANCY CLARK	USA	1:02.28	GERDA HARNISCH	GER	59.58	EDITH HENDRY	USA	1:29.87	MEREDITH SCANLON	USA
4:03.66	MARIA LENK ZIGLER	USA	1:04.16	H. NIMURA	JPN	1:03.09	MEREDITH SCANLON	USA	1:32.90	E. JONES	AUS
4:06.52	MARIE WICKLUN	USA	1:05.50	GISELA REINSCH	GER	1:05.31	ELLEN TAIT	USA	1:39.38	R. HEDGES	AUS
4:08.10	GRETE HARNISCH	GER	1:05.69	EDITH HEWITT	GBR	1:07.40	R. HEDGES	AUS	100 M. BRST		
4:09.60	ANNE WALKER	USA	1:06.09	ANNCHEN REILE	GER	1:12.31	HERTA LOCHTER	GER	2:38.63	ELSA MATTILA	USA
4:10.92	WILLY VAN RYSEL	GBR	100 M. BRST			100 M. FREE			2:50.40	CATHERINE CRESS	USA
4:13.57	L. JOHNSON	AUS	2:02.54	EMMI PAULI	GER	1:39.30	U. WADA	JPN	2:53.00	MADELEINE MILLER	USA
4:15.62	MASA SHIGEMITSU	JPN	2:14.50	MARIA LENK	BRA	1:55.84	JULIA DOLCE	USA	2:54.65	M.GOTTSCHALK	GER
4:18.21	JEAN D DURSTON	USA	2:16.14	SYRILDA HELGREN	USA	2:03.40	AILEEN SOULE	USA	3:51.59	S. OKKER	AUS
400 M. FREE			2:18.92	GERDA SCHUBERT	GER	2:13.41	BETTY ETCHELLS	USA	3:55.83	HEDY PULLMAN	USA
8:04.16	MARIA LENK	BRA	2:19.18	GRETE HARNISCH	GER	2:14.21	DOROTHY HOPKINS	USA	3:58.06	ELIZABETH JOHN	USA
8:41.33	MARIE WICKLUN	USA	2:23.45	C.SPINDELNDREHER	GER	2:18.69	EDITH HENDRY	USA	5:06.68	EVELYN SOMERS	USA
8:42.28	JEAN D DURSTON	USA	2:23.79	HELENE KOHLER	GER	2:21.74	MEREDITH SCANLON	USA	5:17.32	HAZEL BRESSIE	USA
8:45.20	ANNE WALKER	USA	2:25.68	MAXINE O. MERLINO	USA	2:23.46	ELLEN TAIT	USA	200 M. BRST		
8:48.37	WILLIE VAN RYSEL	GBR	2:27.49	GISELA REINSCH	GER	2:38.73	AYAKO TAKADA	JPN	5:17.15	U. WADA	JPN
8:51.65	GERDA SCHUBERT	GER	2:27.85	ANNCHEN REILE	GER	2:40.28	R. HEDGES	AUS	6:02.13	CATHERINE CRESS	USA
8:53.43	L. JOHNSON	AUS	200 M. BRST			200 M. FREE			6:18.92	MADELEINE MILLER	USA
9:06.60	IVY BROWNE	USA	4:37.39	EMMI PAULI	GER	3:49.30	U. WADA	JPN	6:53.29	YOSHI KUCHIBA	JPN
9:50.42	JEAN CHENAUX	PUR	4:52.76	GERDA SCHUBERT	GER	4:58.24	BETTY ETCHELLS	USA	8:08.74	ELIZABETH JOHN	USA
10:19.35	GENEVA KAHRS	USA	4:58.62	H. NIMURA	JPN	5:02.69	JULIA DOLCE	USA	8:11.61	S. OKKER	AUS
800 M. FREE			5:09.87	MAXINE O. MERLINO	USA	5:22.61	RITA SHEPHARD	USA	11:39.24	HAZEL BRESSIE	USA
16:33.41	MARIA LENK	BRA	5:14.36	ANNCHEN REILE	GER	5:28.26	EDITH HENDRY	USA	50 M. FLY		
17:42.51	JEAN D DURSTON	USA	5:26.44	MARGARET HUBBARD	USA	5:35.10	ELLEN TAIT	USA	1:26.44	DOROTHY HOPKINS	USA
17:50.00	WILLY VAN RYSEL	GBR	5:32.10	JEAN D DURSTON	USA	5:42.73	E. JONES	AUS	2:27.62	ELSA MATTILA	USA
18:14.07	NANCY CLARK	USA	5:33.59	MARY WENTWORTH	USA	5:56.05	MEREDITH SCANLON	USA	100 M. FLY		
18:37.05	GERDA SCHUBERT	GER	5:56.38	P MATTHIESEN	USA	6:11.69	AYAKO TAKADA	JPN	2:57.27	ELSA MATTILA	USA
19:25.69	MARGARET HUBBARD	USA	6:13.52	HILDA G BUEL	USA	6:28.32	ELIZABETH JOHN	USA	3:23.86	DOROTHY HOPKINS	USA
19:47.34	JEAN CHENAUX	PUR	50 M. FLY			400 M. FREE			200 M. FLY		
20:13.06	D. NICOL	AUS	1:02.95	MARIA LENK	BRA	8:23.50	UME WADA	JPN	13:51.20	HAZEL BRESSIE	USA
22:31.70	MARY LATHRAM	USA	1:05.46	WILLIE VAN RYSEL	GBR	10:02.83	JULIA DOLCE	USA	200 M. I.M.		
22:48.56	MILLIE HUPP	USA	1:05.48	JEAN D DURSTON	USA	10:48.42	CATHERINE CRESS	USA	5:23.78	ELSA MATTILA	USA
1500 M. FREE			1:06.58	MAXINE O. MERLINO	USA	11:01.19	EDITH HENDRY	USA	400 M. I.M.		
31:57.00	JEAN D DURSTON	USA	1:09.64	EDITH HEWITT	GBR	12:11.11	ELLEN TAIT	USA	11:21.13	ELSA MATTILA	USA
32:39.61	MARIA LENK	BRA	1:14.60	P MATTHIESEN	USA	13:05.30	AYAKO TAKADA	JPN			
33:39.40	MARIA LENK ZIGLER	USA	1:15.90	ANNE WILDER	USA	13:05.45	ELIZABETH JOHN	USA	**********		
35:51.43	IVY BROWNE	USA	1:18.69	NANCY CLARK	USA	14:41.07	HEDY PULLMAN	USA	WOMEN 85-89		
39:03.43	D. NICOL	AUS	1:20.21	WIN KENNEDY	USA	15:53.77	HAZEL BRESSIE	USA	**********		
41:32.30	GENEVA KAHRS	USA	1:39.64	H. HOFFMAN	USA	800 M. FREE			50 M. FREE		
42:27.89	MARY LATHRAM	USA	100 M. FLY			17:21.19	UME WADA	JPN	51.48	AILEEN SOULE	USA
49:21.98	J. KENNEDY	AUS	2:22.33	MARIA LENK	BRA	1500 M. FREE			1:25.06	D. ROWLEY	AUS
59:00.22	M. TROMP	AUS	2:28.39	JEAN D DURSTON	USA	46:47.97	EDITH HENDRY	USA	100 M. FREE		
50 M. BACK			2:39.19	MAXINE O. MERLINO	USA	76:11.10	S. OKKER	AUS	2:07.61	AILEEN SOULE	USA
46.64	WILLIE VAN RYSEL	GBR	2:44.59	MARY WENTWORTH	USA	50 M. BACK			2:42.16	KATHERINE PELTON	USA
50.45	ANNE WALKER	USA	2:51.08	P MATTHIESEN	USA	53.73	UME WADA	JPN	200 M. FREE		
53.22	MARIA LENK	BRA	3:04.51	ANNE WILDER	USA	56.23	AILEEN SOULE	USA	4:49.52	AILEEN SOULE	USA
55.58	R.HOFFMANN-HALBSG	GER	3:45.87	HELENA HOFFMAN	USA	1:00.29	MIZZI BUTZBACH	GER	9:11.54	ANNA BAUSCHER	USA
55.69	MARIE WICKLUN	USA	4:04.75	F DOROTHY RIORDAN	USA	1:04.25	M. WRIGHT	AUS	400 M. FREE		
57.40	M. SHIGEMITSU	JPN	200 M. FLY			1:06.23	EDITH HENDRY	USA	13:39.74	ANNA BAUSCHER	USA
1:00.13	GERDA SCHUBERT	GER	5:23.51	JEAN D DURSTON	USA	1:08.32	MEREDITH SCANLON	USA	14:49.32	D. ROWLEY	AUS
1:00.29	D. JONES	AUS	5:34.89	MAXINE O. MERLINO	USA	1:09.39	GRETE GOTTSCHALK	GER	1500 M. FREE		
1:01.28	MARY LATHRAM	USA	5:47.40	MARY WENTWORTH	USA	1:10.26	LIESEL NACHTIGALL	GER	52:15.77	ANNA BAUSCHER	USA
1:01.49	GISELA REINSCH	GER	6:21.92	ANNE WILDER	USA	1:13.59	JULIA DOLCE	USA	50 M. BACK		
100 M. BACK			6:43.32	HILDA G BUEL	USA	1:14.65	HERTA LOCHTER	GER	58.42	AILEEN SOULE	USA
1:49.73	WILLIE VAN RYSEL	GBR	7:36.04	H. HOFFMAN	USA	100 M. BACK			1:35.59	ANNA BAUSCHER	USA
1:59.13	MARIE WICKLUN	USA	200 M. I.M.			2:11.47	JULIA DOLCE	USA	1:39.87	D. ROWLEY	AUS
1:59.54	ANNE WALKER	USA	4:36.63	MARIA LENK	BRA	2:17.34	AILEEN SOULE	USA	100 M. BACK		
2:08.65	MASA SHIGEMITSU	JPN	4:51.28	MAXINE O. MERLINO	USA	2:18.76	M. WRIGHT	AUS	2:13.13	AILEEN SOULE	USA
2:13.33	SYRILDA HELGREN	USA	5:02.18	JEAN D DURSTON	USA	2:33.29	EDITH HENDRY	USA	3:30.84	D. ROWLEY	AUS
2:14.93	GERDA SCHUBERT	GER	5:05.12	EDITH HEWITT	GBR	2:35.49	MEREDITH SCANLON	USA	200 M. BACK		
2:15.19	R.HOFFMANN-HALBSG	GER	5:14.88	MARGARET HUBBARD	USA	2:56.86	CATHERINE CRESS	USA	4:47.82	AILEEN SOULE	USA
2:16.36	MAXINE O. MERLINO	USA	5:26.92	PAT MATTHIESEN	USA	2:57.65	BETTY ETCHELLS	USA	50 M. BRST		
2:19.15	GISELA REINSCH	GER	5:27.92	MARY WENTWORTH	USA	2:57.78	HEDY PULLMAN	USA	1:37.20	D. ROWLEY	AUS
2:19.34	HELENE KOHLER	GER	6:00.62	HILDA G BUEL	USA	3:01.18	R. HEDGES	AUS	100 M. BRST		

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

3:18.97 KATHERINE PELTON USA

200 M. BRST

6:58.50 KATHERINE PELTON USA

50 M. FLY

1:38.48 KATHERINE PELTON USA

4:48.76 ANNA BAUSCHER USA

100 M. FLY

3:01.14 KATHERINE PELTON USA

200 M. FLY

7:56.52 KATHERINE PELTON USA

200 M. I.M.

6:44.53 KATHERINE PELTON USA

12:12.38 ANNA BAUSCHER USA

400 M. I.M.

15:24.91 KATHERINE PELTON USA

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WOMEN 90-94

****

50 M. FREE

2:51.91 PEARL MILLER USA

100 M. FREE

6:00.00 PEARL MILLER USA

50 M. BACK

2:42.21 PEARL MILLER USA

100 M. BACK

6:38.99 PEARL MILLER USA

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WOMEN 95-99

****

****

WOMEN 100-104

****

****

M E N 25-29

****

50 M. FREE

24.09 ANDERS RASMUSSEN USA
24.38 JOSE COSTA BRA
24.55 A. WADELL AUS
24.67 KEITH FROST GBR
24.69 JOHN MATSON USA
24.70 ALVISE RITTORES ITA
24.71 STEPHAN GUSGEN GER
24.85 OLIVIER MAILLOT FRA
24.88 MICHAEL JESCHKE GER
24.99 A. BRODERSEN AUS

100 M. FREE

54.03 JOHN MATSON USA
54.77 ROLAND LEE GBR
54.87 ANDERS RASMUSSEN USA
55.14 KAI DITZEL GER
55.34 KOJI HASHIMOTO JPN
55.36 STEVE B. NICHOLS USA
55.59 STEFAN MADER GER
55.62 GUIDO HENNRICH GER
55.67 KEVIN FROST GBR
55.75 CHRIS STEVENSON USA

200 M. FREE

1:59.72 G. BRINKMAN AUS
2:00.64 JOHN PEARSON USA
2:01.14 CHRIS STEVENSON USA
2:01.73 JOHN MATSON USA
2:01.94 S. CLARK AUS
2:02.77 ROBERT HUDEK USA
2:03.12 ROLAND LEE GBR
2:03.29 UWE LIEBERMANN GER
2:03.67 VLADIMIR FOMIN URS
2:03.88 TONY DAY GBR

400 M. FREE

4:15.25 JOHN PEARSON USA
4:20.14 ROBERT HUDEK USA
4:21.89 UWE LIEBERMANN GER
4:22.24 TOM DAY GBR
4:23.77 ROLAND LEE GBR
4:23.99 JOE MADER USA
4:24.47 CHRIS STEVENSON USA
4:24.75 JEFF NEUFELD USA
4:26.11 THOMAS SMITH USA
4:26.43 RAINER FRAATZ GER

800 M. FREE

8:54.34 BOBBY PATTEN USA
9:03.39 JOE MADER USA
9:12.36 MICHAEL COLLINS USA
9:15.37 STEVE FISHER USA
9:19.25 JEFF NEUFELD USA
9:24.40 VLADIMIR FOMIN URS
9:25.87 EDUARDO DOMINGUES BRA
9:26.49 NICHOLAS BURROWS GBR
9:28.99 JOOST KUIJLAARS NED
9:30.66 EDWIN VAN NORDEN NED

1500 M. FREE

16:42.87 JOHN PEARSON USA
16:51.97 BOBBY PATTEN USA
17:38.73 TODD CLARK USA
17:45.96 JOOST KUIJLAARS NED
17:48.08 JEFF NEUFELD USA
17:48.38 ROBERT HUDEK USA
17:51.40 EDWIN VAN NORDEN NED
17:55.89 THOMAS SMITH USA
17:58.06 MICHAEL D COLLINS USA
18:06.06 JOE MADER USA

50 M. BACK

28.39 FRANK BALTRUSCH GER
28.75 JASON AUSTIN GBR
28.76 T. ITABASHI JPN
29.34 ROGER BIRRER SUI
29.43 ROBERT TUCKER USA
29.60 JOHN MATSON USA
29.63 MOTOMU SUZUKI JPN
29.65 BRYANT LUM USA
29.71 CHRIS STEVENSON USA
29.89 N.LECHEVALLIER FRA

100 M. BACK

1:01.89 FRANK BALTRUSCH GER
1:02.02 TAKESHI ITABASHI JPN
1:02.09 JASON AUSTIN GBR
1:02.99 BRIAN WILKERSON USA
1:03.78 ROBERT TUCKER USA
1:04.04 N.LECHEVALLIER FRA
1:04.36 K.PLETT NILS JPN
1:04.89 GERRY HODGSON GBR
1:05.39 UWE LIEBERMANN GER
1:05.67 JON HEDDELAND NOR

200 M. BACK

2:15.74 JASON AUSTIN GBR
2:18.32 BRIAN WILKERSON USA
2:19.19 UWE LIEBERMANN GER
2:19.30 ROBERTO MANTOVANI ITA
2:20.21 CHRIS STEVENSON USA
2:20.36 TAKESHI ITABASHI JPN
2:20.42 ROBERT TUCKER USA
2:22.16 PETER BRAUCH GER
2:24.37 RAINER FRAATZ GER
2:24.44 K.PLETT NILS JPN

50 M. BRST

30.63 G. FARROW AUS
30.66 DEWEY WYATT USA
31.39 MICHAEL HEIMSOTH GER
31.54 DAVID MILBURN GBR
31.55 YASUNORI MIYATA JPN
31.59 RONALD HORRMANN GER
31.83 KEVIN ESKO USA
31.86 JOHN ROGERS USA
31.88 JONATHAN BROWN GBR
31.96 THOMAS GORSKI GER

100 M. BRST

1:09.06 DEWEY WYATT USA
1:09.22 G. FARROW AUS
1:09.93 PETER HEELEIN GER
1:10.79 MINORU FUJISHIMA JPN
1:10.99 MICHAEL HEIMSOTH GER
1:11.12 JOHN ROGERS USA
1:11.43 THOMAS KIPP GER
1:11.49 C.SOLLA GER
1:11.51 JAMES COLE GBR
1:11.99 DAVID MILBURN GBR

200 M. BRST

2:32.79 MICHAEL HEISOTH GER
2:33.17 H.TAKASHIMA JPN
2:34.79 THOMAS GORSKI GER
2:36.11 ANDREAS GRUNBERG GER
2:39.10 F.CHARMFOROOSH USA
2:39.30 DAVID MILBURN GBR
2:39.90 DARREN AITCHISON GBR
2:39.99 C.SOLLA GER
2:40.29 UWE LIEBERMANN GER
2:40.54 A.SCHILLER GER

50 M. FLY

25.74 ANDERS RASMUSSEN USA
26.28 BRYANT LUM USA
26.44 STEPHAN GUSGEN GER
26.50 JOSE COSTA BRA
26.63 CHRIS STEVENSON USA
26.65 BOBBY PATTEN USA
26.66 D. WOODRING JPN
26.66 WOODRING DOUGLAS JPN
26.72 MICHAEL JESCHKE GER
26.73 ROGER BIRRER SUI

100 M. FLY

59.26 MICHAEL JESCHKE GER
59.33 BOBBY PATTEN USA
59.55 CHRIS STEVENSON USA
59.72 JOHN MOGENSEN DEN
59.77 CARSTEN HOFFMANN GER
59.92 DAVID EMERSON GBR
1:00.25 VLADIMIR SMIRNOV URS
1:00.36 JOSE COSTA BRA
1:00.37 MARKUS BLASER GER
1:00.58 S. HIRATA JPN

200 M. FLY

2:11.30 BOBBY PATTEN USA
2:14.41 THOMAS SMITH USA
2:15.45 T. BONESS AUS
2:15.63 HOLGER LUNING GER
2:15.96 RAINER FRAATZ GER
2:19.01 CALVIN HARRIS GBR
2:19.59 UWE LIEBERMANN GER
2:19.87 JENS WIENSTRUCK GER
2:20.55 VLADIMIR SMIRNOV URS
2:21.02 A.ORSELLI JR. BRA

200 M. I.M.

2:17.59 ROLAND LEE GBR
2:17.78 JOHN PEARSON USA
2:18.27 TONY DAY GBR
2:19.09 MARKUS BLASER GER
2:20.52 JEFF NEUFELD USA
2:21.10 THOMAS SMITH USA
2:21.27 PATRICK DUGGAN USA
2:21.85 NICHOLAS BURROWS GBR
2:21.99 UWE LIEBERMANN GER
2:22.01 RAINER FRAATZ GER

400 M. I.M.

4:46.87 JOHN PEARSON USA
4:57.55 RAINER FRAATZ GER
4:59.78 JEFF NEUFELD USA
5:02.43 PATRICK DUGGAN USA
5:02.72 TODD CLARK USA
5:04.72 MICHAEL COLLINS USA
5:05.43 ANDREAS LANGE GER
5:06.05 ROBERT HUDEK USA
5:07.37 CALVIN HARRIS GBR
5:07.45 JENS WIENSTRUCK GER

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M E N 30-34

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50 M. FREE

23.21 ROWDY GAINES USA
24.72 ALEXEI FILINOV URS
24.79 KLAUS ENTGELMEIER GER
25.00 STEFANO BIRICOLTI ITA
25.01 JOHN BROSIUS USA
25.14 JIM LILLEY USA
25.24 RAMON VOLCAN VEN
25.31 FERNANDO CANALES USA
25.33 DAN OLE JOHANSEN DEN
25.49 M.STINCHCOMBE USA

100 M. FREE

51.50 ROWDY GAINES USA
52.47 DAVID LUNDBERG USA
54.69 JIM LILLEY USA
55.29 DANIEL STEPHENSON USA
55.72 THOMAS C FRISTOE USA
55.80 DAN OLE JOHANSEN DEN
56.26 ALEXEI FILINOV URS
56.41 RICCARDO URBANI ITA
56.49 M.STINCHCOMBE USA
56.55 STEFANO BIRICOLTI ITA

200 M. FREE

1:55.28 ROWDY GAINES USA
1:59.54 DANIEL STEPHENSON USA
1:59.92 RON NEUGENT USA
2:00.35 THOMAS C FRISTOE USA
2:01.22 PETR KOLLROSS TCH
2:02.47 TOM SMITH USA
2:02.71 JIM LILLEY USA
2:04.50 DEAN PANZICA USA
2:06.56 UDO CHRISTIANSEN GER
2:06.80 KLAUS VIESEL GER

400 M. FREE

4:10.68 ROWDY GAINES USA
4:15.76 DANIEL STEPHENSON USA
4:16.19 RON NEUGENT USA
4:21.73 PETR KOLLROSS TCH
4:22.91 TOM SMITH USA
4:24.93 DAN REDFERN USA
4:28.33 DEAN PANZICA USA
4:29.95 C.FREYHOFF GER
4:32.28 SCOTT RABALAIS USA
4:33.98 SCOTT SHAKE USA

800 M. FREE

9:05.71 PETR KOLLROSS TCH
9:10.89 TOM SMITH USA
9:25.08 C.FREYHOFF GER
9:31.15 MATT CLARK USA
9:35.87 GLEN CHRISTIANSEN JPN
9:37.94 GUIDO HEMELTJEN NED
9:38.94 SCOTT SHAKE USA
9:39.03 PETER SOLOMON USA
9:39.10 SCOTT RABALAIS USA
9:40.70 ROD CAMERON NZL

1500 M. FREE

16:42.28 RON NEUGENT USA
17:01.28 ANDREW SAPPEY USA
17:31.13 DANIEL STEPHENSON USA
17:32.80 DAN REDFERN USA
17:40.00 C.FREYHOFF GER
17:45.12 MARCO AMIDANI ITA
17:54.48 ROB COPELAND USA
17:59.24 SCOTT RABALAIS USA
18:11.11 SCOTT SHAKE USA
18:30.64 STEFANO PETTI ITA

50 M. BACK

29.08 RAMON VOLCAN VEN
29.39 A.BONANNI ITA
29.60 M. MONFORE JPN
29.83 CRAIG NORREY SUI
29.86 SCOTT SHAKE USA
29.92 UDO CHRISTIANSEN GER
29.95 MATTIA FLORIT ITA
29.98 PETER WIESE GER
29.99 JORG STINGL GER
29.99 IGNACIO IBARGUEN ESP

100 M. BACK

1:03.70 KEVIN PARFOOT GBR
1:03.93 SCOTT SHAKE USA
1:04.12 WILLIAM SPECHT USA
1:04.70 A.BONANNI ITA
1:04.95 PETER WIESE GER
1:05.13 UDO CHRISTIANSEN GER
1:05.48 M. MONFORE JPN
1:05.50 JURGEN SIGWARTH GER
1:05.50 GIORGIO GENNARO ITA
1:05.62 M. YAMASHITA JPN

200 M. BACK

2:17.32 PETR KOLLROSS TCH

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

2:18.63 KEVIN PARFOOT GBR
2:19.45 DAN REDFERN USA
2:19.87 SCOTT SHAKE USA
2:23.57 A.BONANNI ITA
2:23.76 PETER WIESE GER
2:24.62 JURGEN SIGWARTH GER
2:24.62 GIORGIO GENNARO ITA
2:26.13 ANDREI KISILEV URS
2:27.38 MIKE KECK USA

50 M. BRST

30.36 GLEN CHRISTIANSEN JPN
30.43 PETER LANG GER
30.46 DAVID LUNDBERG USA
30.73 DAVID GUTHRIE USA
31.06 THOMAS C FRISTOE USA
31.51 HIROMICHI TAKEI JPN
31.61 JEAN SOLITADE FRA
32.01 JUAN JOSE JARDON ESP
32.06 CRAIG SIHNER USA
32.24 MICHAEL SLOWEY USA

100 M. BRST

1:05.65 DAVID LUNDBERG USA
1:07.74 GLEN CHRISTIANSEN JPN
1:08.02 DAVID GUTHRIE USA
1:08.98 THOMAS C FRISTOE USA
1:10.51 JEAN SOLITADE FRA
1:10.55 YOSHIHIDE KAGAMI JPN
1:10.70 TIMUR PODMAREV URS
1:10.80 ANDREI SHIDLOUSKY URS
1:12.05 MICHAEL CASCIATO USA
1:12.30 MICHAEL SLOWEY USA

200 M. BRST

2:24.06 DAVID LUNDBERG USA
2:29.19 THOMAS C FRISTOE USA
2:31.65 GLEN CHRISTIANSEN JPN
2:33.39 DAVID GUTHRIE USA
2:34.33 A.SCHIDLOVSKI URS
2:34.35 YOSHIHIDE KAGAMI JPN
2:35.49 TIMUR PODMAREV URS
2:38.32 ALBAN VERMES HUN
2:40.44 J. ROGERS JPN
2:40.68 THOMAS LEUPOLD GER

50 M. FLY

26.20 ANDREI AVTUSHENKI URS
26.76 RAMON VOLCAN VEN
26.97 PAUL MORRIS GBR
27.00 SERGEI FESENKO URS
27.01 ALEX MARKOVSKY URS
27.02 VLAD BOLSHAKOV URS
27.11 WILLIAM SPECHT USA
27.17 M.STINCHCOMBE USA
27.25 CHRIS A DIXON USA
27.37 CRAIG NORREY SUI

100 M. FLY

58.00 DAVID LUNDBERG USA
59.14 WILLIAM SPECHT USA
59.32 PAUL MORRIS GBR
1:00.62 KERRY L O'BRIEN USA
1:00.71 DAN REDFERN USA
1:00.97 KLAUS VIESEL GER
1:01.83 M. MONFORE JPN
1:02.04 SERGEL FESSENKO URS
1:02.10 JIM LILLEY USA
1:02.34 ALAN W. ARATA USA

200 M. FLY

2:11.33 TOM SMITH USA
2:11.33 RON NEUGENT USA
2:16.16 DAN REDFERN USA
2:17.41 WILLIAM SPECHT USA
2:18.67 DANIEL STEPHENSON USA
2:18.71 KERRY L O'BRIEN USA
2:23.52 RINAT GILIZOV URS
2:23.71 THOMAS NORRENBERG GER
2:25.45 DIETER KOPSICKER GER
2:25.58 THOMAS LEUPOLD GER

200 M. I.M.

2:09.69 DAVID LUNDBERG USA
2:13.16 THOMAS C FRISTOE USA
2:14.99 PETR KOLLROSS TCH
2:16.95 RON NEUGENT USA
2:17.88 TOM SMITH USA
2:18.53 SERGEL FESSENKO URS
2:20.53 MIKE KECK USA
2:22.04 KEVIN PARFOOT GBR
2:22.17 UDO CHRISTIANSEN GER
2:22.40 JURGEN SIGWARTH GER

400 M. I.M.

4:47.34 RON NEUGENT USA
4:52.26 TOM SMITH USA
4:55.52 DAN REDFERN USA
5:02.42 DANIEL STEPHENSON USA
5:06.21 MIKE KECK USA
5:06.29 THOMAS LEUPOLD GER
5:12.68 ROB COPELAND USA
5:14.16 GARETH PARKER GBR
5:14.39 PETER WIESE GER
5:15.70 JURGEN SIGWARTH GER

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M E N 35-39
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50 M. FREE

24.95 BRYAN AUSTIN USA
24.97 WILL ARTLEY USA
25.07 DAVID HAGUE USA
25.45 RICHARD HESS USA
25.48 DAVE DUNNE GBR
25.82 ROBERT KROTEE USA
25.89 RENE PLASCHKE GER
25.89 JOE SCHUSTER USA
25.95 J.CUNNINGHAM USA
26.04 H. AMASAKI JPN

100 M. FREE

54.92 WILL ARTLEY USA
55.13 BRYAN AUSTIN USA
57.05 RICHARD HESS USA
57.14 DAVID HAGUE USA
57.35 GERD KRUGER GER
57.50 DAVE DUNNE GBR
57.53 KERSTEN MEIER GER
57.62 BILL RODRIGUEZ USA
58.16 ROBERT KROTEE USA
58.21 STEPHEN NASH GBR

200 M. FREE

2:02.10 R.SCHOPWINKEL GER
2:05.61 BRYAN AUSTIN USA
2:05.87 LARRY WOOD USA
2:05.99 JAMES MONTGOMERY USA
2:06.99 DAVE DUNNE GBR
2:07.47 STEPHEN NASH GBR
2:08.82 JEFFERY C MILTON USA
2:09.61 NED MAGGIORA USA
2:09.64 LEE MENCH USA
2:10.26 A. HUNTER AUS

400 M. FREE

4:28.17 JAMES MONTGOMERY USA
4:31.67 STUART CORLISS USA
4:32.90 LARRY WOOD USA
4:36.78 NED MAGGIORA USA
4:38.14 JEFFERY C MILTON USA
4:38.88 PAUL WISE USA
4:39.12 PETER HUISVELD USA
4:39.40 P.R DOS SANTOS BRA
4:42.40 GERD KRUGER GER
4:43.03 ROBERT WRIGHT USA

800 M. FREE

9:32.35 LARRY WOOD USA
9:41.03 STUART E CORLISS USA
9:41.11 PAUL WISE USA
9:42.05 STEVE C BREITER USA
9:44.55 PETER HUISVELD USA
9:47.47 EDDIE RIACH GBR
9:49.13 RANDY B WILLIAMS USA
9:53.14 P.R DOS SANTOS BRA
9:53.52 RICK PHILLIPS USA
9:55.42 ROBERT WRIGHT USA

1500 M. FREE

17:27.02 JAMES MONTGOMERY USA
18:32.91 PETER HUISVELD USA
18:42.31 LARRY WOOD USA
18:43.04 ROBERT STRAUSS USA
18:45.70 RICHARD HESS USA
18:48.12 NED MAGGIORA USA
18:50.65 STUART E CORLISS USA
18:56.87 GERD KRUGER GER
19:11.28 KENT P FORD USA
19:15.36 P. REABURN AUS

50 M. BACK

28.85 WILL ARTLEY USA
29.75 A.SIDORENKO URS
30.00 WILLIAM DRAKE USA
30.19 CASEY CLAFLIN USA
30.30 BILL RODRIGUEZ USA
30.45 TREVOR CLARK GBR
30.49 RICK SCHACKLE USA
30.83 A.CHRISTENSEN GBR
31.02 EDDIE RIACH GBR
31.08 DAVID VANDAM USA

100 M. BACK

1:03.34 WILL ARTLEY USA
1:05.66 BILL RODRIGUEZ USA
1:06.34 RICK SCHACKLE USA
1:06.77 EDDIE RIACH GBR
1:07.32 DAVID VANDAM USA
1:07.47 CASEY CLAFLIN USA
1:07.89 TREVOR CLARK GBR
1:07.98 FRANK MENDOZA USA
1:08.03 DAVE DUNNE GBR
1:08.13 WILLIAM DRAKE USA

200 M. BACK

2:23.17 RICK SCHACKLE USA
2:23.79 EDDIE RIACH GBR
2:24.84 PAUL FETTERS USA
2:24.89 BILL RODRIGUEZ USA
2:26.61 WILLIAM DRAKE USA
2:30.63 CASEY CLAFLIN USA
2:31.58 STEVE C BREITER USA
2:31.64 JOHN CAMPBELL GBR
2:32.28 ALLEN GENTLEMAN GBR
2:33.43 ROBERT STRAUSS USA

50 M. BRST

32.45 SERGIO BERNARDINI ITA
32.86 DALE KORNER USA
32.89 WERNER NOSKE GER
32.99 THOMAS PAEHR GER
33.10 G. CARLO MAURO ITA
33.10 ROBERTO MIGLIORI ITA
33.12 JOHN HEWARD GBR
33.17 K. TANAKA JPN
33.26 JOE SCHUSTER USA
33.48 A.BAKJTISCHEV URS

100 M. BRST

1:11.73 STUART CORLISS USA
1:13.30 JOHN HEWARD GBR
1:13.44 GREG HARRISON USA
1:14.14 GARY W KRAGE USA
1:14.33 SERGIO BERNARDINI ITA
1:14.50 J. SCHMALENBACH AUS
1:14.79 JOE SCHUSTER USA
1:14.80 RICHARD ENRIGHT USA
1:15.99 PAUL JENKINS GBR
1:16.31 THOMAS PAEHR GER

200 M. BRST

2:36.11 GREG HARRISON USA
2:37.12 STUART CORLISS USA
2:38.00 DALE KORNER USA
2:43.68 RICHARD ENRIGHT USA
2:43.99 GARY W KRAGE USA
2:44.08 PAUL JENKINS GBR
2:44.64 DALE S. KORNER USA
2:44.87 J. SCHMALENBACH AUS
2:44.97 JURGEN SCHRICK GER
2:45.63 HERBERT BLOCH GER

50 M. FLY

26.60 DAVID HAGUE USA
26.81 WILL ARTLEY USA
27.12 RICHARD HESS USA
27.91 KEVIN MC CORMACK USA
27.94 STEPHEN NASH GBR
28.03 JOHN CRAIG USA
28.09 BRYAN AUSTIN USA
28.17 JOHN MILLS GBR
28.26 TREVOR CLARK GBR
28.32 RENE PLASCHKE GER
28.32 ROGER KAHN USA

100 M. FLY

1:00.70 WILL ARTLEY USA
1:00.83 RICHARD HESS USA
1:00.91 STUART CORLISS USA
1:01.45 STEPHEN NASH GBR
1:01.90 DAVID HAGUE USA
1:02.10 JORGE DELGADO ECU
1:02.39 TREVOR CLARK GBR
1:02.54 RICK SCHACKLE USA
1:02.59 BILL RODRIGUEZ USA
1:03.32 JOHN MILLS GBR

200 M. FLY

2:19.14 STEPHEN NASH GBR
2:20.20 PAUL WISE USA
2:22.23 DAVID VANDAM USA
2:27.46 ALLAN GENTLEMAN GBR
2:28.95 DAVID SHEPARD USA
2:29.16 RICHARD JORDAN USA
2:29.63 STEVE C BREITER USA
2:31.46 GUNTER GOTTFRIED GER
2:32.32 ROBERT WRIGHT USA
2:33.26 NED MAGGIORA USA

200 M. I.M.

2:18.33 STUART CORLISS USA
2:24.17 RICHARD HESS USA
2:25.11 DAVE DUNNE GBR
2:25.50 BILL RODRIGUEZ USA
2:26.34 RICK SCHACKLE USA
2:26.50 REED FARRIS USA
2:26.76 NEIL WASSERMAN USA
2:26.78 TREVOR CLARK GBR
2:26.95 JOHN P ROEMER USA
2:26.97 ALLAN GENTLEMAN GBR

400 M. I.M.

4:58.48 STUART CORLISS USA
5:10.52 RICK SCHACKLE USA
5:12.75 NEIL WASSERMAN USA
5:16.91 LARRY WOOD USA
5:17.08 DAVID VANDAM USA
5:17.64 P.R DOS SANTOS BRA
5:18.65 ALLEN GENTLEMAN GBR
5:19.49 PAUL JENKINS GBR
5:22.60 GERD KRUGER GER
5:24.60 PAUL WISE USA

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M E N 40-44
****

50 M. FREE

25.97 H.HARBRECHT GER
25.99 JOHN FOOTE JR. USA
26.16 J.K.ANTHONI NED
26.16 VLADIMIR BURE URS
26.22 DANIEL ROGACKI USA
26.31 RICHARD BOBER USA
26.45 STEPHEN M TYRRELL USA
26.50 BOB SCHOUTSEN NED
26.53 ROBERTO ALVAREZ BRA
26.54 ALEXANDER KULIK URS
26.54 DAVE FARMER BAR

100 M. FREE

57.76 JERRY HEIDENREICH USA
58.40 ANDREW MC PHERSON USA
58.44 YURI NIKOLAYEV URS
59.05 STEPHEN M TYRRELL USA
59.20 ALEXANDER KULIK URS
59.22 BOB SCHOUTSEN NED
59.25 H.HARBRECHT GER
59.51 TSUYOSI HAYASHI JPN
59.57 JOHN NOLAN USA
59.91 GORDON CLARK STC

200 M. FREE

2:08.50 RANDY WILLIAMS USA
2:10.31 JOHN NOLAN USA
2:11.11 YURI NIKOLAYEV URS

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

2:11.12	ANDREW MC PHERSON	USA	33.94	MANFRED ZEHR	GER	5:38.26	JOHN R SULTAN	USA	32.89	JAUME MONZO	ESP
2:11.41	FRANK WARNER	USA	34.34	JOAO P ARANTES	BRA	5:40.22	WILLIAM TINGLEY	USA	32.96	JAMES BEGLINGER	USA
2:14.88	EDWARD CROSSMORE	USA	34.35	FRANK JANSEN	GER	5:41.81	DANIEL ROGACKI	USA	33.08	PHILLIP WHITTEN	USA
2:15.38	RICHARD BOBER	USA	34.36	MARTON CSINGER	SUI				33.10	THOMAS FINNEGAN	USA
2:15.51	H.HARBRECHT	GER	34.57	RALF KONIGSHOFEN	GER	**********			100 M. BACK		
2:15.57	TSUYOSI HAYASHI	JPN	100 M. BRST			M E N 45-49			1:10.78	JOZSEF CSIKANY	HUN
2:16.65	FRED FERRARO	USA	1:10.99	PEDER DAHLBERG	USA	**********			1:10.98	PHILLIP WHITTEN	USA
400 M. FREE			1:12.37	TOSHIHARU FUJII	JPN	50 M. FREE			1:11.19	JOHN CALVERT	USA
4:39.46	JOHN NOLAN	USA	1:15.04	MANFRED ZEHR	GER	26.43	DAN THOMPSON	USA	1:11.57	JOHN GORDON	GBR
4:43.47	MARVIN SCHWARTZ	USA	1:15.47	ALLEN STARK	USA	27.12	BERND SCHRODER	GER	1:13.07	P.SCHILLEMANS	NED
4:44.18	EDWARD CROSSMORE	USA	1:16.06	ARTHUR HALTTUNEN	USA	27.12	HARRY GREENFIELD	USA	1:13.46	JAUME MONZO	ESP
4:44.53	YURI NIKOLAYEV	URS	1:17.09	DANIEL ROGACKI	USA	27.27	TONY JARVIS	GBR	1:13.51	PETER HEEREN	GER
4:49.55	D.UIJTENBOGAART	NED	1:17.57	MAL JESTER	USA	27.35	P.VIC DUPONT	FRA	1:13.53	EDWARD CAZALET	USA
4:51.45	KENT HAMBERG	SWE	1:17.82	RICK WALKER	USA	27.43	EDWARD CAZALET	USA	1:14.32	STEVE L HOBERG	USA
4:51.48	GAARD ARNESON	USA	1:17.91	FRANK JANSEN	GER	27.48	L.CURRAN	USA	1:14.46	JAMES BEGLINGER	USA
4:54.55	DAVID THOMPSON	GBR	1:17.92	MARTON CSINGER	SUI	27.48	JIM DRAGON	USA	200 M. BACK		
4:54.91	N. HICKEY	AUS	200 M. BRST			27.49	PETER HEEREN	GER	2:27.67	JOHN CALVERT	USA
4:57.74	STEVEN DURAPAU	USA	2:42.29	PEDER DAHLBERG	USA	27.58	BRUCE CLARK	USA	2:34.18	EDWARD CAZALET	USA
800 M. FREE			2:47.22	MANFRED ZEHR	GER	100 M. FREE			2:36.84	JOHN GORDON	GBR
9:28.74	RANDY WILLIAMS	USA	2:49.21	ALLEN STARK	USA	59.92	HARRY GREENFIELD	USA	2:38.11	JOZSEF CSIKANY	HUN
9:38.65	JOHN NOLAN	USA	2:51.37	BILL PRICE	GBR	1:00.05	EDWARD G CAZALET	USA	2:39.68	ENRICO TOSI	ITA
9:51.32	D.UIJTENBOGAART	NED	2:51.46	RICK WALKER	USA	1:00.22	TONY JARVIS	GBR	2:40.69	P.SCHILLEMANS	NED
9:52.76	EDWARD CROSSMORE	USA	2:52.46	IAN THOMPSON	USA	1:00.69	BERND SCHRODER	GER	2:41.60	STEVE L HOBERG	USA
10:01.62	GAARD ARNESON	USA	2:52.63	H.FELMBERG	GER	1:00.87	DAVID J GRAY	USA	2:43.35	JAMES BEGLINGER	USA
10:06.65	FRANK WARNER	USA	2:52.63	H.HARBRECHT	GER	1:01.65	ROBERT STRAND	USA	2:43.73	DONALD GALINE	USA
10:09.49	S. DURAPAU	USA	2:52.96	MAL JESTER	USA	1:01.71	HAN ROOS	NZL	2:45.24	HIROSHI NONAKA	JPN
10:10.44	DAVID THOMPSON	GBR	2:53.14	MARTON CSINGER	SUI	1:01.77	JEAN-CLAUDE FAURE	FRA	50 M. BRST		
10:14.87	KENT HAMBERG	SWE	50 M. FLY			1:01.78	JEFF COOKE	USA	32.76	RICK NESBIT	USA
10:16.79	ELIOT CHENAUX	USA	27.04	JOHN FOOTE JR.	USA	1:02.28	CHRIS DUNN	GBR	33.06	ROBERT STRAND	USA
1500 M. FREE			27.16	DAN THOMPSON	USA	200 M. FREE			34.32	KLAUS KATZUR	GER
18:57.21	MARVIN SCHWARTZ	USA	27.32	JERRY HEIDENREICH	USA	2:11.10	EDWARD CAZALET	USA	34.36	CYRIL KRAL	GER
18:57.48	D.UIJTENBOGAART	NED	27.80	V.NEMSHILUV	URS	2:12.70	DAVID J GRAY	USA	34.57	SYLVIO RIBEIRO	BRA
19:07.91	ANDREW MC PHERSON	USA	28.00	YURI BOGULHVCK	URS	2:14.33	JOHN CALVERT	USA	34.73	GIANNI GROSS	ITA
19:18.92	JOHN NOLAN	USA	28.57	GORDON CLARK	STC	2:14.53	HARRY GREENFIELD	USA	34.79	WOLFGANG DIERKS	GER
19:19.83	FRANK MCINTYRE	USA	28.99	FLAVIO DUTRA	BRA	2:17.04	CHRIS DUNN	GBR	35.19	O. ARAI	JPN
19:30.33	ELIOT CHENAUX	USA	29.16	FRED FERRARO	USA	2:17.91	JOHN GORDON	GBR	35.51	DIETER HOFEL	GER
19:41.64	JOEL R WILSON	USA	29.21	DAVID TANNER	USA	2:18.61	JEFF COOKE	USA	35.52	JIM DRAGON	USA
19:51.21	WILLIAM CERNY	USA	29.38	R. SEE	AUS	2:20.90	JIM CRANE	USA	100 M. BRST		
19:54.27	ANDY BANKS	USA	29.38	RICHARD HAAS	USA	2:21.64	DONALD GALINE	USA	1:13.25	ROBERT STRAND	USA
20:13.04	J. ALLEN	AUS	100 M. FLY			2:21.79	GAYLORD HOPKINS	USA	1:14.89	RICK NESBIT	USA
50 M. BACK			1:03.46	RANDY WILLIAMS	USA	400 M. FREE			1:16.70	SYLVIO RIBEIRO	BRA
30.30	RICHARD BOBER	USA	1:04.87	JERRY HEIDENREICH	USA	4:39.89	DAVID J GRAY	USA	1:18.20	WOLFGANG DIERKS	GER
30.39	SERGEI ARTEMYEV	URS	1:05.11	NORIAKI TSUJI	JPN	4:45.60	EDWARD CAZALET	USA	1:18.68	KLAUS KATZUR	GER
30.54	WILLIAM TINGLEY	USA	1:05.15	JOHN FOOTE JR.	USA	4:49.26	SANDY GALLETLY	GBR	1:19.60	TERUO IWATA	JPN
30.94	BOB SCHOUTSEN	NED	1:05.23	RICHARD HAAS	USA	4:50.94	JEAN-CLAUDE FAURE	FRA	1:19.80	GIANNI GROSS	ITA
31.40	GARY HAFER	USA	1:05.71	DAVID LEVINSON	USA	4:52.01	RICHARD BOYD	USA	1:20.59	D. OXER	AUS
31.41	R. SEE	AUS	1:05.74	ANDREW MC PHERSON	USA	4:58.64	JIM CRANE	USA	1:20.80	ROBERT APEL	GBR
31.46	HUGH WILDER	USA	1:07.01	FRANK MCINTYRE	USA	4:59.14	ANTHONY PEARCE	GBR	1:21.19	HOLGER BREMER	GER
31.61	BRIAN BLACK	USA	1:07.17	DAVID TANNER	USA	4:59.38	HARRY GREENFIELD	USA	200 M. BRST		
31.99	JERRY HEIDENREICH	USA	1:07.68	GABOR CSABE	HUN	5:02.05	JEFF COOKE	USA	2:42.52	ROBERT STRAND	USA
32.02	DANIEL ROGACKI	USA	200 M. FLY			5:03.82	JOHN LANE	USA	2:50.24	RICK NESBIT	USA
32.02	GORDON CLARK	STC	2:24.37	RANDY WILLIAMS	USA	800 M. FREE			2:56.34	HOLGER BREMER	GER
100 M. BACK			2:28.51	JOHN NOLAN	USA	9:49.15	DAVID J GRAY	USA	2:57.50	ROBERT APEL	GBR
1:06.75	RICHARD BOBER	USA	2:30.42	RICHARD HAAS	USA	9:53.66	JOHN CALVERT	USA	2:57.94	SYLVIO RIBEIRO	BRA
1:07.40	BOB SCHOUTSEN	NED	2:30.52	J. COVECOVICH	AUS	9:58.10	SANDY GALLETLY	GBR	2:58.83	TERUO IWATA	JPN
1:08.32	WILLIAM TINGLEY	USA	2:31.20	DAVID TANNER	USA	9:58.64	RICHARD BOYD	USA	2:59.05	MATT POWERS	USA
1:09.87	GARY HAFER	USA	2:33.74	FRANK MCINTYRE	USA	10:05.49	EDWARD G CAZALET	USA	2:59.28	HELMUT BEER	GER
1:11.68	WALDYR M RAMOS	BRA	2:34.50	DAVID LEVINSON	USA	10:08.51	JEAN-CLAUDE FAURE	FRA	2:59.36	ROB HANOU	NED
1:11.89	R. SEE	AUS	2:35.15	JACEK KRAWCZKY	POL	10:28.79	ANTHONY PEARCE	GBR	3:00.09	KLAUS KATZUR	GER
1:11.95	ROBERT F GIRVIN	USA	2:36.69	BILL PRICE	GBR	10:33.79	JIM CRANE	USA	50 M. FLY		
1:12.01	GORDON CLARK	STC	2:37.39	NORIAKI TSUJI	JPN	10:44.65	JACK GEOGHEGAN	USA	27.54	DAN THOMPSON	USA
1:12.11	BILL BARTHOLD	USA	200 M. I.M.			10:45.13	WOLFGANG KONIG	GER	28.43	BERND SCHRODER	GER
1:12.44	DANIEL ROGACKI	USA	2:31.70	RICHARD HAAS	USA	1500 M. FREE			28.86	GARY LANGENDOEN	USA
200 M. BACK			2:33.10	MARTON CSINGER	SUI	19:03.55	DAVID J GRAY	USA	29.10	N. TSUJI	JPN
2:25.09	RICHARD BOBER	USA	2:33.71	WILLIAM TINGLEY	USA	19:10.04	RICHARD BOYD	USA	29.27	TONY JARVIS	GBR
2:26.22	JERGEI ARTEMIER	URS	2:34.44	JOHN NOLAN	USA	19:51.52	STEVE L HOBERG	USA	29.58	HARRY GREENFIELD	USA
2:29.94	BOB SCHOUTSEN	NED	2:34.63	ROBERT F GIRVIN	USA	20:15.98	WOLFGANG KONIG	GER	29.70	MAX HEIDENREICH	USA
2:33.87	JACEK KRAWCZKY	POL	2:34.97	JOHN R SULTAN	USA	20:26.14	GERRY DELONG	USA	29.71	JOSEP CLARET	ESP
2:33.91	WILLIAM TINGLEY	USA	2:35.54	MAL JESTER	USA	20:28.00	JAMES MERCHANT	USA	30.00	V.PRIYUTKIN	URS
2:35.41	ROBERT F GIRVIN	USA	2:36.03	J. COVECOVICH	AUS	20:36.06	LUCIANO CAMMELLI	ITA	30.08	MANFRED BROCK	GER
2:35.45	FRANK WARNER	USA	2:36.12	DAVID THOMPSON	GBR	20:37.56	PETER NOLTE	GER	100 M. FLY		
2:38.52	GARY HAFER	USA	2:36.30	D.UIJTENBOGAART	NED	20:42.31	JOHN LANE	USA	1:04.53	GARY LANGENDOEN	USA
2:38.57	BILL BARTHOLD	USA	400 M. I.M.			20:46.69	GAYLORD HOPKINS	USA	1:05.00	N. TSUJI	JPN
2:40.01	ANDREW MC PHERSON	USA	5:09.47	RANDY WILLIAMS	USA	50 M. BACK			1:06.73	BERND SCHRODER	GER
50 M. BRST			5:19.48	JOHN NOLAN	USA	31.26	JURGEN DIETZE	GER	1:06.91	TONY JARVIS	GBR
31.82	PEDER DAHLBERG	USA	5:25.10	JACEK KRAWCZKY	POL	31.69	JOZSEF CSIKANY	HUN	1:07.97	HARRY GREENFIELD	USA
33.27	TOSHIHARU FUJII	JPN	5:31.34	D.UIJTENBOGAART	NED	32.15	ROBERT STRAND	USA	1:08.48	ANTONIO DUOPPIDO	ITA
33.36	ARTHUR HALTTUNEN	USA	5:31.71	DAVID LEVINSON	USA	32.23	J-C LESTIDEAU	FRA	1:08.85	JOHN CALVERT	USA
33.67	ALLEN STARK	USA	5:35.56	DAVID THOMPSON	GBR	32.63	JOHN GORDON	GBR	1:09.54	PAULO FIGUEIREDO	USA
33.69	MANFRED SCHILD	GER	5:37.12	ELIOT CHENAUX	USA	32.89	PETER HEEREN	GER	1:09.63	MAX HEIDENREICH	USA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

1:09.66 P. GILMOUR AUS
200 M. FLY
2:36.80 GARY LANGENDOEN USA
2:37.64 SANDY GALLETLY GBR
2:41.09 P. GILMOUR AUS
2:42.55 WOLFGANG KONIG GER
2:46.55 PHIL HENGEN USA
2:47.35 BERND SCHRODER GER
2:49.55 HELMUT BEER GER
2:50.98 GERRY DELONG USA
2:54.36 DEREK PARR GBR
2:54.59 ROB HANOU NED
200 M. I.M.
2:25.83 JOHN CALVERT USA
2:33.33 EDWARD G CAZALET USA
2:33.78 ROBERT STRAND USA
2:35.38 SANDY GALLETLY GBR
2:36.12 RICHARD BOYD USA
2:37.02 JOHN GORDON GBR
2:37.23 BERND SCHRODER GER
2:40.25 H. NONAKA JPN
2:40.58 MATT POWERS USA
2:41.00 JEAN-CLAUDE FAURE FRA
400 M. I.M.
5:13.26 JOHN CALVERT USA
5:28.69 SANDY GALLETLY GBR
5:30.09 EDWARD G CAZALET USA
5:31.15 RICHARD BOYD USA
5:39.48 P. WYATT AUS
5:47.28 TEGZE P. HARASZTI USA
5:52.59 DOUG HELLERSON USA
5:54.77 MATT POWERS USA
5:56.17 HELMUT BEER GER
5:56.68 GERRY DELONG USA

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M E N 50-54
****
50 M. FREE
27.55 PETER BERGENGREN SWE
27.66 TAI CHUN FU HKG
27.74 TOM ANGELL USA
27.82 SUMITAKA ASANO JPN
27.89 JOHN SMITH USA
27.98 WILLIAM GOSNOLD USA
28.19 GEORGES KOESSLER FRA
28.19 MINOL OHATA BRA
28.25 ROBERT PROEBSTING USA
28.35 RICHARD A BASSI USA
100 M. FREE
1:01.99 TAI CHUN FU HKG
1:02.35 PETER BERGENGREN SWE
1:02.36 TOM ANGELL USA
1:03.25 WILLIAM GOSNOLD USA
1:03.57 GEORGES KOESSLER FRA
1:03.57 ANATOLY HITROV URS
1:03.82 RICHARD A BASSI USA
1:04.19 MIKE WAKE GBR
1:04.79 MINOL OHATA BRA
1:05.01 HIROYASU TAKAGI JPN
200 M. FREE
2:17.38 MIKE WAKE GBR
2:21.23 WILLIAM GOSNOLD USA
2:21.51 KAZUYA NISHINO JPN
2:22.83 ANATOLY HITROV URS
2:23.49 DAVID HARRISON USA
2:24.23 PETER BERGENGREN SWE
2:25.20 HENRY SOUTHALL USA
2:25.53 GEOFF STOKES GBR
2:27.33 HORST EXNER GER
2:27.84 ALFRED JACOBS HUN
2:27.84 NIC GEERS NED
400 M. FREE
4:54.34 MIKE WAKE GBR
4:59.19 DAVID HARRISON USA
5:02.90 TEGZE HARASZTI USA
5:05.20 KAZUYA NISHINO JPN
5:09.93 ANATOLY HITROV URS
5:11.45 NIC GEERS NED
5:13.35 ALFRED JACOBS HUN
5:14.96 WILLIAM GOSNOLD USA
5:15.18 HENRY SOUTHALL USA
5:15.59 KLAUS BURG GER
800 M. FREE
10:18.43 MIKE WAKE GBR
10:39.93 TEGZE HARASZTI USA
10:47.58 DAVID HARRISON USA
10:55.00 ANATOLY HITROV URS
10:57.75 ALFRED JACOBS HUN
10:58.74 ISAO NAKAMOTO JPN
11:06.20 NIC GEERS NED
11:06.31 MEL GOLDSTEIN USA
11:12.52 MIKE MARSHALL GBR
11:15.65 TOM DUCKWORTH GBR
1500 M. FREE
20:08.06 MIKE WAKE GBR
20:21.55 DAVID HARRISON USA
20:39.86 COSMO MILANO ITA
21:07.59 KLAUS BURG GER
21:21.07 BOB COALE USA
21:23.56 NIC GEERS NED
21:37.18 HILRICH LUPKES GER
22:03.91 KENT M PRICE USA
22:09.77 ERNIE LESKOVITZ USA
22:24.96 BILL MILLIKEN USA
50 M. BACK
31.85 GRAHAM SYKES GBR
32.67 JOHN SMITH USA
33.10 YORIM SCHNEIDER ISR
33.14 RICHARD BASSI USA
33.64 BARRY YOUNG NZL
33.81 ADU HEWELKE GER
34.29 GEZA KRASZNAL HUN
34.89 JOHANNES KREMER GER
35.02 ANTHONY WESTON GBR
35.16 SUMITAKA ASANO JPN
100 M. BACK
1:15.50 YORIM SCHNEIDER ISR
1:15.84 GRAHAM SYKES GBR
1:15.84 ADU HEWELKE GER
1:16.28 RICHARD BASSI USA
1:16.68 JOHANNES KREMER GER
1:17.19 GUNTER SCHOPKE GER
1:17.29 GEZA KRASZNAL HUN
1:18.21 RICHARD CAMPBELL USA
1:18.90 Y. FUNAHASHI JPN
1:18.95 GERARDO STEUDEL ESP
200 M. BACK
2:37.49 BARRY YOUNG NZL
2:45.81 RICHARD BASSI USA
2:45.99 ADU HEWELKE GER
2:49.73 TEGZE P. HARASZTI USA
2:51.00 GERARDO STEUDEL ESP
2:51.33 GEZA KRASZNAL HUN
2:51.39 RUDI SCHULZ GER
2:52.61 GUNTER SCHOPKE GER
2:53.20 BEN WISCKOL USA
2:54.09 GRAHAM SYKES GBR
50 M. BRST
35.13 BERNDT WUNSCHE GER
35.30 GUNTER SCHMAH GER
35.32 MIKHAIL FARAFONOV URS
35.46 ALAN CANHAM GBR
35.58 TAI CHUN FU HKG
35.59 Y.TSUKAMOTO JPN
36.20 BELA FABIAN HUN
36.39 KARL ODKOLEK GER
36.57 JEAN-P MADELENAT FRA
36.78 M. MOLONEY AUS
100 M. BRST
1:19.75 GUNTER SCHMAH GER
1:20.28 BERNDT WUNSCHE GER
1:21.02 M. MOLONEY AUS
1:21.16 BILL MULLIKEN USA
1:21.38 JOHN STOVER USA
1:21.40 BELA FABIAN HUN
1:21.49 MIKHAIL FARAFONOV URS
1:21.76 KARL ODKOLEK GER
1:23.53 JOHN FELDER USA
1:23.68 MIKE WAKE GBR
200 M. BRST
2:56.45 M. MOLONEY AUS
2:57.68 TEGZE P. HARASZTI USA
2:59.65 BILL MULLIKEN USA
3:00.08 MIKE WAKE GBR
3:01.43 BELA FABIAN HUN
3:02.26 JOHN STOVER USA
3:04.25 BERNDT WUNSCHE GER
3:05.28 KARL ODKOLEK GER
3:06.06 VLADIMIR KOVTUN URS
3:06.98 KAZUYA NISHINO JPN
50 M. FLY
29.56 JOHN SMITH USA
29.61 ROBERT PROEBSTING USA
29.69 RICHARD A BASSI USA
29.95 T. IIDA JPN
29.97 Y.FUNAHASHI JPN
30.00 VLADIMIR KOVTUN URS
30.00 CHITOSHI KONISHI JPN
30.11 GEORGES KOESSLER FRA
30.17 TAI CHUN FU HKG
30.31 T. IWAMOTO JPN
100 M. FLY
1:10.44 CHITOSHI KONISHI JPN
1:10.47 PAUL KURHAJEC AUT
1:11.16 R.LLOYD-MOSTYN GBR
1:12.05 ROBERT PROEBSTING USA
1:12.13 T. IIDA JPN
1:12.98 GUNTER SCHOPKE GER
1:13.96 P. JACKSON AUS
1:14.01 T. IWAMOTO JPN
1:14.87 DICK STEWART USA
1:14.93 VLADIMIR KOVTUN URS
200 M. FLY
2:49.43 GUNTER SCHOPKE GER
2:49.78 PAUL KURHAJEC AUT
2:52.10 R.LLOYD-MOSTYN GBR
2:53.52 TADASHI IWAMOTO JPN
2:55.60 ALFRED JACOBS HUN
2:57.07 RUDI SCHULZ GER
2:58.60 ROBERT PROEBSTING USA
2:58.71 GEOFF STOKES GBR
2:59.15 BILL MULLIKEN USA
3:01.66 LUIS SIMI BRA
200 M. I.M.
2:38.10 TEGZE P. HARASZTI USA
2:41.66 VLADIMIR KOVTUN URS
2:43.70 ADU HEWELKE GER
2:45.36 BILL MULLIKEN USA
2:45.46 YEVGENY MASLOV URS
2:46.49 TADASHI IWAMOTO JPN
2:47.51 RICHARD A BASSI USA
2:48.05 PETER BERGENGREN SWE
2:48.10 GEORGES KOESSLER FRA
2:48.59 GEOFF STOKES GBR
400 M. I.M.
5:41.52 TEGZE P. HARASZTI USA
6:02.76 GEOFF STOKES GBR
6:06.00 BILL MULLIKEN USA
6:06.90 TADASHI IWAMOTO JPN
6:12.47 JOHN STOVER USA
6:16.83 MEL GOLDSTEIN USA
6:17.21 RYUICHI ICHIKAWA JPN
6:17.27 KARL ODKOLEK GER
6:18.12 RUDI SCHULZ GER
6:21.15 ERNIE LESKOVITZ USA

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M E N 55-59
****
50 M. FREE
27.62 BOB BAILIE USA
28.70 JACK BEATTIE USA
28.76 YOSHI OYAKAWA USA
29.03 WILLIAM ROBERTSON USA
29.14 TOSHIRO OZAWA JPN
29.37 J. MCDIARMID AUS
29.75 TERRY BOYES GBR
29.89 WALLY DOBLER USA
29.89 T.WATANABE JPN
29.92 FORBES SONNTAG NZL
100 M. FREE
1:01.95 BOB BAILIE USA
1:05.19 YOSHI OYAKAWA USA
1:05.40 WILLIAM ROBERTSON USA
1:05.78 TERRY BOYES GBR
1:06.33 JACK BEATTIE USA
1:06.86 R. DREW AUS
1:07.84 J. MCDIARMID AUS
1:08.56 ANTONIO SOUZA BRA
1:08.82 SEIJI INAMOTO JPN
1:08.94 J. CRISP AUS
200 M. FREE
2:25.51 WILLIAM ROBERTSON USA
2:27.32 BOB BAILIE USA
2:27.41 TERRY BOYES GBR
2:30.40 GERHARD HOLE GER
2:30.51 B. HUTCHINGS AUS
2:30.67 YOSHI OYAKAWA USA
2:31.17 C.LEBOURGEOIS USA
2:31.50 SAM JONES USA
2:32.04 J. CRISP AUS
2:33.44 SAM KOOISTRA USA
400 M. FREE
5:18.64 TERRY BOYES GBR
5:18.96 C.LEBOURGEOIS USA
5:22.27 J. CRISP AUS
5:26.97 PIERRE BARTSCHI SUI
5:28.23 WILLIAM ROBERTSON USA
5:29.56 MANFRED STRATE GER
5:34.61 WERNER MULLER GER
5:35.46 BRIAN BROWNE USA
5:37.24 D. LOELIGER AUS
5:38.69 DAVID REYNOLDS GBR
800 M. FREE
11:13.06 SAM JONES USA
11:34.11 GEORGE BRUNSTAD USA
11:46.91 ARTHUR WELCH USA
11:47.81 MANFRED STRATE GER
11:49.68 BRIAN BROWNE USA
11:52.69 WERNER MULLER GER
11:53.90 WILLIAM LAUER USA
11:55.62 HIROSHI ONO JPN
12:02.46 JAMES JOHNSEN USA
12:05.51 SEIJI INAMOTO JPN
1500 M. FREE
20:59.23 C.LEBOURGEOIS USA
21:29.86 J. CRISP AUS
22:18.57 MANFRED STRATE GER
22:29.04 BRIAN BROWNE USA
22:35.12 SAM KOOISTRA USA
23:01.09 WERNER MULLER GER
23:20.94 LARRY GOOD USA
24:01.83 NICHOLAS BERENYI USA
24:04.14 J. JONES AUS
24:09.15 STAN MORNER USA
50 M. BACK
33.65 JACK BEATTIE USA
35.11 S.SEKIKAWA JPN
35.27 MIKIYA HATTA JPN
35.44 GILBERT BOZON FRA
35.65 VINCENT MILLER FRA
35.65 ECKEHARD MIERSCH GER
35.65 BARR CLAYSON USA
36.15 NIVALDO GONCALVES BRA
36.28 TOM ROBSON GBR
36.36 WALLY DOBLER USA
100 M. BACK
1:15.29 YOSHI OYAKAWA USA
1:17.13 JACK BEATTIE USA
1:18.68 S.SEKIKAWA JPN
1:20.66 BARR CLAYSON USA
1:21.66 HANS ANDERSSON SWE
1:21.87 VINCENT MILLER FRA
1:22.15 G. BEILSTEIN GER
1:22.22 HERMANN OSTERLOH GER
1:22.42 GILBERT BOZON FRA
1:22.42 TAKAHIRO IKO JPN
200 M. BACK
2:45.45 YOSHI OYAKAWA USA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

2:49.59	JACK BEATTIE	USA	2:51.82	JACK BEATTIE	USA	22:31.64	VALENTIN WEBER	GER	34.72	JOHN PAGE	NZL
2:54.23	S.SEKIKAWA	JPN	2:52.60	G. BEILSTEIN	GER	22:31.87	ERIC YOUNGQUIST	USA	34.89	FRITZ KLAPPROTH	GER
2:55.65	HANS ANDERSSON	SWE	2:53.28	WERNER MULLER	GER	22:57.88	R. HARTLEY	AUS	35.10	GERHARD JUSTUS	GER
2:57.73	TOM WALKER	GBR	2:54.75	WALLY DOBLER	USA	23:46.43	TOM TAYLOR	USA	35.47	ALAIN DISTINGUIN	FRA
2:58.50	BARR CLAYSON	USA	2:56.97	VINCENT MILLER	FRA	24:03.26	ROGER FRANKS	USA	35.55	AARON KURTZMAN	USA
2:59.58	G. BEILSTEIN	GER	2:57.63	TOM WALKER	GBR	24:09.98	ROBERT BEACH	USA	100 M. FLY		
3:03.62	LARRY GOOD	USA	2:58.17	MANFRED STRATE	GER	24:22.91	HERBERT DAHLMANN	GER	1:21.42	FUMIO EGAMI	JPN
3:04.91	YURI VLASOV	URS	400 M. I.M.			24:47.41	GERHARD SCHOLZ	GER	1:21.83	JOHN KORTHEUER	USA
3:07.95	HITOSHI ABE	JPN	6:07.43	TERRY BOYES	GBR	50 M. BACK			1:24.46	EGON JANSEN	GER
50 M. BRST			6:19.76	C.LEBOURGEOIS	USA	34.39	ILO FONSECA	BRA	1:25.00	LEN GOLDSTONE	USA
33.58	HIROSHI KOTEGAWA	JPN	6:20.90	SAM JONES	USA	37.18	CLIFF WARD	GBR	1:27.03	SILVANO DANIELI	ITA
35.66	AKIO SUGIYAMA	JPN	6:22.15	WERNER MULLER	GER	37.77	RICHARD L BENNETT	USA	1:27.53	VALENTIN WEBER	GER
36.59	ROLAND SCHONHAAR	GER	6:22.35	TOM WALKER	GBR	37.79	K.KLAUSTERMEYER	GER	1:28.29	GUNTER KUHNEL	GER
36.66	WERNER MULLER	GER	6:28.43	D. LOELIGER	AUS	38.03	ROGER BURRELL	GBR	1:29.52	CURT ZEISS	GER
37.02	TOM WALKER	GBR	6:32.07	GEORGE BRUNSTAD	USA	38.04	ROGER FRANKS	USA	1:29.70	JOHN LENARD	USA
37.09	H.JOACHIM TROGER	GER	6:36.34	BOB W. BEST	USA	38.13	B. ORCHARD	AUS	1:29.75	FRITZ KLAPPROTH	GER
37.34	G. BEILSTEIN	GER	6:36.37	J. CRISP	AUS	38.13	KIYOSHI SASAKI	JPN	200 M. FLY		
37.43	KLAUS SOBOTTKA	GER	6:36.73	LARRY GOOD	USA	38.20	HORACE KNOWLTON	USA	3:14.28	VALENTIN WEBER	GER
37.49	KENJI HISAMATSU	JPN				38.65	SHOICHI SHIDA	JPN	3:19.59	FUMIO EGAMI	JPN
37.60	VITESLAV SVOZIL	TCH	**********			100 M. BACK			3:20.28	SILVANO DANIELI	ITA
100 M. BRST			M E N 60-64			1:21.80	ROGER FRANKS	USA	3:23.34	GERD GERSCHKE	GER
1:21.15	ROLAND SCHONHAAR	GER	**********			1:22.10	RICHARD L BENNETT	USA	3:24.78	LEN GOLDSTONE	USA
1:21.84	TOM WALKER	GBR	50 M. FREE			1:22.80	ILO FONSECA	BRA	3:25.18	BRUNELLO GRAJA	ITA
1:23.37	WERNER MULLER	GER	28.13	SHINGO YAMAMOTO	JPN	1:24.36	FUMIO EGAMI	JPN	3:28.82	ROBERT KUENY	USA
1:24.82	G. BEILSTEIN	GER	28.92	CHUCK BALDWIN	USA	1:25.26	GUNTER KUHNEL	GER	3:30.02	MANFRED BICKEL	GER
1:25.06	AKIO SUGIYAMA	JPN	29.88	JOHN KORTHEUER	USA	1:25.96	HORACE KNOWLTON	USA	3:31.05	MICHAEL TORSNEY	CAN
1:25.18	BOB W. BEST	USA	30.11	SERGIO RODRIGUES	BRA	1:26.54	ROGER BURRELL	GBR	3:35.22	ERIC YOUNGQUIST	USA
1:25.27	TETSUO NAKAMARU	JPN	30.26	ILO FONSECA	BRA	1:26.55	K.KLAUSTERMEYER	GER	200 M. I.M.		
1:25.78	LUTZ RESOW	GER	30.30	GERHARD JUSTUS	GER	1:27.40	Y. SONODA	JPN	2:51.41	GRAHAM JOHNSTON	USA
1:26.54	G. MIDDLETON	AUS	30.31	IMRE NYEKI	HUN	1:27.43	Z. NAKAHARI	JPN	2:58.37	HITOSHI KATO	JPN
1:26.56	D. LOELIGER	AUS	30.68	J. BROWNJOHN	AUS	200 M. BACK			3:01.46	GUNTER KUHNEL	GER
200 M. BRST			30.85	DICK WEBBER	USA	2:52.77	IMRE NYEKI	HUN	3:06.54	KENNETH WEIGH	GBR
2:56.53	TOM WALKER	GBR	31.01	KENNETH WEIGH	GBR	3:02.47	RICHARD L BENNETT	USA	3:06.70	JOHN KORTHEUER	USA
3:00.46	ROLAND SCHONHAAR	GER	100 M. FREE			3:07.56	ROGER BURRELL	GBR	3:08.44	EGON JANSEN	GER
3:03.59	H.TROGER	GER	1:05.14	SHINGO YAMAMOTO	JPN	3:08.95	HORACE KNOWLTON	USA	3:08.74	ROGER BURRELL	GBR
3:05.16	HANS REICHELT	GER	1:07.01	CHARLES BALDWIN	USA	3:11.93	GUNTER KUHNEL	GER	3:12.29	VALENTIN WEBER	GER
3:08.53	IGOR ZASEDA	URS	1:08.11	J. BROWNJOHN	AUS	3:12.79	Z. NAKAHARI	JPN	3:12.60	JOHN LENARD	USA
3:09.22	HARTMUT LEMCKE	GER	1:08.18	GRAHAM JOHNSTON	USA	3:15.98	Y. SONODA	JPN	3:12.85	ALAIN DISTINGUIN	FRA
3:10.03	H.MULLER	GER	1:09.14	ROGER BURRELL	GBR	3:16.58	ROBERT MCCLURE	NZL	400 M. I.M.		
3:10.82	TETSUO NAKAMARU	JPN	1:09.22	GERHARD JUSTUS	GER	3:17.15	CLAUDE BUSH	GBR	6:04.99	GRAHAM JOHNSTON	USA
3:10.98	T. KAJIWARA	JPN	1:09.65	RICHARD L BENNETT	USA	3:17.70	TETSUO ASHIZAWA	JPN	6:32.84	VALENTIN WEBER	GER
3:12.29	K. HISAMATSU	JPN	1:09.91	ROBERT KLAGES	USA	50 M. BRST			6:42.53	GUNTER KUHNEL	GER
50 M. FLY			1:10.13	ARAM BOGHOSSIAN	BRA	35.91	JOHN KORTHEUER	USA	6:47.24	ROGER FRANKS	USA
30.19	BOB BAILIE	USA	1:11.16	EGON JANSEN	GER	37.81	HELNRICH KOSBAB	GER	6:48.23	LEN GOLDSTONE	USA
31.46	WALLY DOBLER	USA	200 M. FREE			37.99	CHARLES BALDWIN	USA	6:52.93	ERIC YOUNGQUIST	USA
32.10	J-L LE DALL	FRA	2:25.34	GRAHAM JOHNSTON	USA	38.68	BRUNELLO GRAJA	ITA	6:58.50	BRUNELLO GRAJA	ITA
32.20	ROLF TUTEPASTELL	GER	2:32.09	HITOSHI KATO	JPN	39.16	AARON KURTZMAN	USA	7:04.66	HORACE KNOWLTON	USA
32.26	WILLIAM ROBERTSON	USA	2:33.56	WALLIE JEFFRIES	USA	39.19	WERNER KRAUSE	GER	7:04.95	ROBERT KUENY	USA
32.71	MASAYASU KAMIYA	JPN	2:33.97	IMRE NYEKI	HUN	39.32	FRITZ KLAPPROTH	GER	7:05.79	JOHN LENARD	USA
32.81	AKIO SUGIYAMA	JPN	2:34.43	GERHARD JUSTUS	GER	39.33	WILLI BECKER	GER			
32.96	G. MIDDLETON	AUS	2:36.62	R. HARTLEY	AUS	39.66	MANFRED BICKEL	GER	**********		
32.98	MICHAEL DELANEY	USA	2:37.61	ROBERT KLAGES	USA	39.79	JOHNNY LYSSELL	SWE	M E N 65-69		
32.99	WERNER MULLER	GER	2:38.62	PETER BUCKLEY	USA	100 M. BRST			**********		
32.99	A.S DE SOUZA	BRA	2:38.71	ERIC YOUNGQUIST	USA	1:21.58	JOHN KORTHEUER	USA	50 M. FREE		
100 M. FLY			2:39.05	BOB HERITIER	USA	1:26.98	BRUNELLO GRAJA	ITA	28.94	B.SCHLURIKE	GER
1:15.76	WERNER MULLER	GER	400 M. FREE			1:28.78	WERNER KRAUSE	GER	30.43	KEITH CARTER	USA
1:17.72	WALLY DOBLER	USA	5:05.54	GRAHAM JOHNSTON	USA	1:30.61	FRITZ KLAPPROTH	GER	30.47	ISAO IKEGAMI	JPN
1:19.89	TOSHIO ENOMOTO	JPN	5:22.63	WALLIE JEFFRIES	USA	1:30.98	YASUO UTE	JPN	30.52	FRANK M. PIEMME	USA
1:19.94	MASAYASU KAMIYA	JPN	5:30.39	IMRE NYEKI	HUN	1:31.21	MASAKI HIJIKATA	JPN	31.07	JOHN FLORANCE	USA
1:21.98	BOB BAILIE	USA	5:30.61	HITOSHI KATO	JPN	1:31.59	TED HAARTZ	USA	31.10	A.ARCIDIACONO	USA
1:22.09	K.EBNER	GER	5:33.82	R. HARTLEY	AUS	1:31.72	TOM TAYLOR	USA	31.20	C.BRUNELLESCHI	ITA
1:22.62	WILLIAM LAUER	USA	5:35.32	GERHARD JUSTUS	GER	1:31.96	CHUCK BALDWIN	USA	31.34	MILTON A SENS	USA
1:22.87	NESTOR MIYARES	USA	5:36.33	SHINGO YAMAMOTO	JPN	1:32.17	ZENJI NAKAHARI	JPN	31.90	ROBERT BLAKE	USA
1:22.94	J. CRISP	AUS	5:38.25	VALENTIN WEBER	GER	200 M. BRST			32.05	TSUTAE IWAGO	JPN
1:23.28	JACK BEATTIE	USA	5:39.53	ERIC YOUNGQUIST	USA	3:08.59	JOHN KORTHEUER	USA	100 M. FREE		
200 M. FLY			5:41.69	PETER BUCKLEY	USA	3:14.77	BRUNELLO GRAJA	ITA	1:10.25	FRANK M. PIEMME	USA
3:04.17	WERNER MULLER	GER	800 M. FREE			3:19.85	ZENJI NAKAHARI	JPN	1:11.29	ROBERT BLAKE	USA
3:07.35	C.LEBOURGEOIS	USA	10:36.09	GRAHAM JOHNSTON	USA	3:22.42	Y. UTE	JPN	1:11.29	KEITH CARTER	USA
3:15.79	GERT DIECKVOSS	GER	11:25.87	HITOSHI KATO	JPN	3:22.62	MUNEKAZU SAMEJIMA	JPN	1:12.42	TSUTAE IWAGO	JPN
3:15.89	GEORGE BRUNSTAD	USA	11:36.30	R. HARTLEY	AUS	3:24.04	TED HAARTZ	USA	1:12.96	SADAICHI SUGA	JPN
3:17.67	SEYMOUR BANNING	GBR	11:48.73	BOB HERITIER	USA	3:24.72	TOM TAYLOR	USA	1:13.35	JOHN FLORANCE	USA
3:19.08	HEINZ KRAUSS	GER	11:52.07	VALENTIN WEBER	GER	3:27.49	OSKAR GRIMM	GER	1:13.45	C.BRUNELLESCHI	ITA
3:21.84	MIKHAIL KRUCHININ	URS	11:54.33	ERIC YOUNGQUIST	USA	3:28.24	ROBERT KUENY	USA	1:13.68	PERRY ROCKWELL	USA
3:22.19	H.MULLER	GER	11:57.25	ROBERT KLAGES	USA	3:30.89	WERNER KRAUSE	GER	1:14.11	R. BUTTON	AUS
3:23.60	MASAYASU KAMIYA	JPN	12:03.07	PETER BUCKLEY	USA	50 M. FLY			1:14.72	ED KERSWILL	USA
3:23.86	HERB KERN	USA	12:09.45	ARAM BOGHOSSIAN	BRA	32.78	JOHN KORTHEUER	USA	200 M. FREE		
200 M. I.M.			12:09.87	ROGER BURRELL	GBR	33.18	CHARLES BALDWIN	USA	2:40.49	FRANK M. PIEMME	USA
2:46.91	GERHARD HOLE	GER	1500 M. FREE			33.40	PETR SKRIPCHENKOV	URS	2:42.32	ED KERSWILL	USA
2:51.04	TERRY BOYES	GBR	20:06.80	GRAHAM JOHNSTON	USA	33.45	FUMIO EGAMI	JPN	2:49.41	TSUTAE IWAGO	JPN
2:51.64	WILLIAM ROBERTSON	USA	21:03.51	WALLIE JEFFRIES	USA	33.47	ZENJI NAKAHARI	JPN	2:51.20	SHIZUO KONISHI	JPN

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

2:51.38	FORBES GENTLEMAN	GBR	42.23	BUNPEI HASHIMOTO	JPN				42.93	WILLI WINDEL	GER
2:51.42	ROBERT BLAKE	USA	42.24	I. IKEGAMI	JPN	**********	M E N 70-74	**********	100 M.	BACK	
2:52.26	C.BRUNELLESCHI	ITA	42.41	HELMUT KOBER	GER				1:31.47	BELA BANKI-H	HUN
2:54.38	S. SUGA	JPN	100 M.	BRST					1:32.22	H.MIYAZAKI	JPN
2:54.57	KARL HAUTER	GER	1:28.91	JOSEPH KURTZMAN	USA	50 M.	FREE		1:33.35	JOHN DILLEY	USA
2:55.11	JOHN FLORANCE	USA	1:30.70	BARTON GREENBERG	USA	28.94	B.SCHLURIKE	GER	1:33.44	RAYMOND F TAFT	USA
400 M.	FREE		1:31.04	KARL-HEINZ KNOPS	GER	31.36	DONALD AGATE	USA	1:34.23	BRUNO KAYSER	GER
5:50.04	ED KERSWILL	USA	1:34.78	OTTO GORA	GER	31.60	HIDEAKI KATO	JPN	1:34.82	AL VANDE WEGHE	USA
5:51.53	FRANK M. PIEMME	USA	1:35.31	ALDO MANFROI	BRA	32.46	T.NAKASHIMA	JPN	1:34.88	ALBERT VANDEWEGHE	USA
6:01.39	ISAO IKEGAMI	JPN	1:35.58	ESKO SALDNEN	FIN	32.62	JAY CRADDOCK	USA	1:35.15	WILLI WINDEL	GER
6:10.35	MAURICE LUSIEN	FRA	1:35.66	HELMUT KOBER	GER	32.78	MIRIO VISENTIN	ARG	1:35.59	BOB MERRICK	USA
6:11.53	K. VICKERY	AUS	1:36.06	TOSHIO TAJIMA	JPN	32.90	BARNET PHILLIPS	USA	1:35.63	HARRY LIBER	USA
6:15.95	N. YAMAGUCHI	JPN	1:36.38	MATHIAS EGRESI	GER	33.03	KURT JANITZKI	GER	200 M.	BACK	
6:15.99	JOHN WOODS	USA	1:36.40	KARL HAUTER	GER	33.04	JUZOH TSUBOTA	JPN	3:26.79	J. JENKINS	AUS
6:16.70	KARL HAUTER	GER	200 M.	BRST		33.24	ROBERT SCOLES	USA	3:26.82	H.MIYAZAKI	JPN
6:17.41	FORBES GENTLEMAN	GBR	3:21.00	KARL-HEINZ KNOPS	GER	100 M.	FREE		3:27.83	RAYMOND F TAFT	USA
6:22.30	SHIZUO KONISHI	JPN	3:24.00	BARTON GREENBERG	USA	1:14.66	DONALD AGATE	USA	3:29.60	BRUNO KAYSER	GER
800 M.	FREE		3:31.63	ALDO MANFROI	BRA	1:15.01	HIDEAKI KATO	JPN	3:29.70	HARRY LIBER	USA
12:03.98	ED KERSWILL	USA	3:32.32	LEE C. ARTH	USA	1:15.12	MIRIO VISENTIN	ARG	3:30.75	JOHN DILLEY	USA
12:13.01	FRANK M. PIEMME	USA	3:32.42	ISAO IKEGAMI	JPN	1:15.96	RAYMOND F TAFT	USA	3:31.31	AL VANDE WEGHE	USA
12:35.78	NOBUMASA YAMASAKI	JPN	3:32.62	ESKO SALDNEN	FIN	1:16.68	HANS-JOACHIM JUNG	GER	3:31.58	GERALD HEUSTIS	USA
12:37.08	MAURICE LUSIEN	FRA	3:32.90	GUSTAV HALBRITTER	GER	1:17.43	JAY CRADDOCK	USA	3:32.25	ALDO V DA ROSA	USA
12:43.78	ISAO IKEGAMI	JPN	3:34.55	JOSEPH KURTZMAN	USA	1:17.43	T.NAKASHIMA	JPN	3:32.93	NORRIS FLUKE	USA
13:01.46	KARL HAUTER	GER	3:41.70	HENRY KIVI	CAN	1:18.01	EISAKU HAYASHI	JPN	50 M.	BRST	
13:06.74	FORBES GENTLEMAN	GBR	3:42.40	TED ROACH	USA	1:18.11	JOHN PATTEN	USA	41.11	WALTER MINNICH	GER
13:18.86	NORMAN DIXON	GBR	50 M.	FLY		1:18.19	ROBERT SCOLES	USA	42.80	PAUL KRUP	USA
13:19.09	SHIZUO KONISHI	JPN	34.29	FRANK M. PIEMME	USA	200 M.	FREE		43.36	Y.MIYAMOTO	JPN
13:19.94	JURGEN B. SCHMIDT	USA	34.64	PAUL HUTINGER	USA	2:48.78	DOMEI SUZUKI	JPN	43.48	BOB MORRISON	USA
1500 M.	FREE		34.78	PERRY ROCKWELL	USA	2:54.22	FRED TAIOLI	USA	43.51	LUDWIG GERBURZI	GER
22:53.13	FRANK M. PIEMME	USA	35.06	JOSEPH KURTZMAN	USA	2:55.37	HIDEAKI KATO	JPN	44.09	ALDO V DA ROSA	USA
23:00.86	ED KERSWILL	USA	36.25	KEITH E. CARTER	USA	2:57.05	ALDO V DA ROSA	USA	44.30	ROYSTON ROMAIN	GBR
25:07.12	JURGEN B. SCHMIDT	USA	36.83	RUDI AUST	GER	2:58.20	RAYMOND F TAFT	USA	44.59	SIEGFRIED PANKOW	GER
25:32.61	KARL HAUTER	GER	36.92	KARL-HEINZ KNOPS	GER	2:58.91	HANS-JOACHIM JUNG	GER	44.78	BIRCH DAVIDSON	USA
25:53.44	PAUL HUTINGER	USA	37.53	JURGEN B. SCHMIDT	USA	2:59.36	G. HUESTIS	USA	44.89	HEINZ UFER	GER
26:04.08	ROBERT BLAKE	USA	37.75	HELMUT KOBER	GER	3:00.65	G. WILLIAMS	AUS	100 M.	BRST	
26:13.48	DOMINIK KOZA	GER	37.85	IRVING KATZ	USA	3:02.23	MIRIO VISENTIN	ARG	1:36.04	WALTER MINNICH	GER
26:21.02	GLYNN JONES	USA	100 M.	FLY		3:02.36	JOHN PATTEN	USA	1:37.03	ALDO V DA ROSA	USA
26:27.14	JAMES EDWARDS	USA	1:21.49	JOSEPH KURTZMAN	USA	400 M.	FREE		1:38.99	SIEGFRIED PANKOW	GER
26:30.31	HELMUTH THEESEN	GER	1:26.28	KEITH CARTER	USA	5:57.45	DOMEI SUZUKI	JPN	1:39.23	BOB MERRICK	USA
50 M.	BACK		1:29.84	KARL-HEINZ KNOPS	GER	6:11.13	FRED TAIOLI	USA	1:39.62	Y.MIYAMOTO	JPN
36.30	PAUL HUTINGER	USA	1:31.36	MAURICE LUSIEN	FRA	6:21.05	ALDO V DA ROSA	USA	1:40.42	PAUL KRUP	USA
38.24	GEORGE GANDSEY	USA	1:33.10	KARL HAUTER	GER	6:31.21	J. JENKINS	AUS	1:42.95	R. MCCABE	AUS
38.54	M. KADOYA	JPN	1:33.61	PERRY ROCKWELL	USA	6:32.02	HANS-JOACHIM JUNG	GER	1:44.31	BOB MORRISON	USA
38.61	ELI GOLDFARB	USA	1:34.48	LEE C. ARTH	USA	6:33.90	ROBERT SCOLES	USA	1:44.46	HUO-TZU LIN	CHT
38.95	G. TANIGUCHI	JPN	1:37.01	HELMUT KOBER	GER	6:35.65	BIRCH DAVIDSON	USA	1:44.69	ROYSTON ROMAIN	GBR
39.33	F. YANAGISAWA	JPN	1:37.42	KOICHI ICHIYAMA	JPN	6:35.85	HIDEAKI KATO	JPN	200 M.	BRST	
39.90	JACK W MC CANN	USA	1:39.66	KEIICHI TOKUNAGA	JPN	6:42.42	BOB MERRICK	USA	3:34.67	FRITZ EBER	GER
39.90	SHIGEKI TAKADA	JPN	200 M.	FLY		6:42.59	HEINZ AHRENDT	GER	3:35.80	SIEGFRIED PANKOW	GER
39.92	P.DA F E SILVA	BRA	3:08.79	JOSEPH KURTZMAN	USA	800 M.	FREE		3:40.75	WALTER MINNICH	GER
40.03	M. INABA	JPN	3:22.43	KARL-HEINZ KNOPS	GER	12:34.22	DOMEI SUZUKI	JPN	3:40.99	ALDO V DA ROSA	USA
100 M.	BACK		3:32.56	KEITH CARTER	USA	12:36.65	FRED TAIOLI	USA	3:41.85	BOB MERRICK	USA
1:22.96	PAUL HUTINGER	USA	3:35.76	DON BARTLETT	USA	13:33.46	ALDO V DA ROSA	USA	3:45.68	Y.MIYAMOTO	JPN
1:25.98	ELI M GOLDFARB	USA	3:46.17	ARTHUR KOBLISH	USA	13:35.46	HANS-JOACHIM JUNG	GER	3:47.62	BIRCH DAVIDSON	USA
1:29.64	G. TANIGUCHI	JPN	3:50.07	ART KELLEY	USA	13:49.70	ROBERT SCOLES	USA	3:50.90	PAUL KRUP	USA
1:29.80	F. YANAGIZAWA	JPN	3:56.83	NOBUMASA YAMASAKI	JPN	13:52.67	RAYMOND F TAFT	USA	3:52.45	R. MCCABE	AUS
1:30.33	JACK W MC CANN	USA	3:57.13	ALDO MANFROI	BRA	14:03.88	BOB MERRICK	USA	3:53.70	HUO-TZU LIN	CHT
1:30.49	KARL HAUTER	GER	4:01.12	IRVING KATZ	USA	14:04.32	EDWARD R MORAN	USA	50 M.	FLY	
1:30.58	GEORGE GANDSEY	USA	4:06.11	DOMINIK KOZA	GER	14:08.90	HEINZ ARENDT	GER	37.43	ANDREW HOLDEN	USA
1:32.00	GUY GIBB	GBR	200 M.	I.M.		14:35.71	FRANK MURPHY	USA	37.70	KAKUICHI YANAGAWA	JPN
1:32.11	DON BARTLETT	USA	3:08.20	KARL HAUTER	GER	1500 M.	FREE		38.98	PAUL KRUP	USA
1:32.19	WILLIAM HAYNES	USA	3:13.09	FRANK M. PIEMME	USA	23:59.01	DOMEI SUZUKI	JPN	39.70	RAYMOND F TAFT	USA
200 M.	BACK		3:15.50	KARL-HEINZ KNOPS	GER	24:28.27	FRED TAIOLI	USA	40.17	BIRCH DAVIDSON	USA
3:06.65	PAUL HUTINGER	USA	3:15.62	PAUL HUTINGER	USA	25:23.50	ALDO V DA ROSA	USA	40.31	Y.MIYAMOTO	JPN
3:12.06	ELI GOLDFARB	USA	3:19.60	IRVING KATZ	USA	26:35.50	HANS-JOACHIM JUNG	GER	40.51	BILL UHRICH	USA
3:18.90	GEORGE GANDSEY	USA	3:21.27	KEITH CARTER	USA	26:40.40	HEINZ AHRENDT	GER	40.62	ROYSTON ROMAIN	GBR
3:19.76	FUKUJIRO YAMAZAKI	JPN	3:24.84	MAURICE LUSIEN	FRA	26:49.81	BOB MERRICK	USA	40.92	LUDWIG GERBURZI	GER
3:20.32	IRVING KATZ	USA	3:25.00	KOICHI ICHIYAMA	JPN	26:55.66	NORRIS FLUKE	USA	41.85	WALTER MINNICH	GER
3:22.71	JACK W MC CANN	USA	3:25.91	FORBES GENTLEMAN	GBR	27:13.79	MIRIO VISENTIN	ARG	100 M.	FLY	
3:24.17	KARL HAUTER	GER	3:28.14	ED KERSWILL	USA	27:34.48	RICHARD T SMITH	USA	1:39.61	PAUL KRUP	USA
3:25.48	WILLIAM HAYNES	USA	400 M.	I.M.		27:37.73	DAN MILES	USA	1:41.49	BRUNO KAYSER	GER
3:27.16	GUY GIBB	GBR	6:53.76	KARL HAUTER	GER	50 M.	BACK		1:42.33	D. JEFFREY	AUS
3:27.65	JOHN WOODS	USA	6:55.27	KARL-HEINZ KNOPS	GER	40.02	BELA BANKI-H	HUN	1:43.65	ALDO V DA ROSA	USA
50 M.	BRST		7:18.58	PAUL HUTINGER	USA	40.10	DONALD AGATE	USA	1:44.63	CHET GOSSTYLA	USA
38.28	JOSEPH KURTZMAN	USA	7:18.81	KEITH CARTER	USA	40.12	JOHN DILLEY	USA	1:46.04	HARWELL MOSELEY	USA
39.99	TOSHIO TAJIMA	JPN	7:20.67	NOBUMASA YAMASAKI	JPN	40.41	RAYMOND F TAFT	USA	1:46.06	BOB MERRICK	USA
40.00	KARL-HEINZ KNOPS	GER	7:29.97	IRVING KATZ	USA	41.07	EARL WALTER	USA	1:46.53	HIRONARI UEDA	JPN
40.75	OTTO GORA	GER	7:46.76	LOU SILVERSTEIN	USA	41.09	H.MIYAZAKI	JPN	1:46.72	ROYSTON ROMAIN	GBR
41.39	BARTON GREENBERG	USA	7:48.68	K. ICHIYAMA	JPN	41.21	GERALD HEUSTIS	USA	1:50.17	RAYMOND F TAFT	USA
41.70	KARL HAUTER	GER	7:49.64	ALDO MANFROI	BRA	41.32	BILL MOLVIE	USA	200 M.	FLY	
41.80	ESKO SALDNEN	FIN	8:03.82	DOMINIK KOZA	GER	41.60	AL VANDE WEGHE	USA	3:48.23	ALDO V DA ROSA	USA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

3:59.85	PAUL KRUP	USA	14:37.07	PETE OKUMOTO	USA	4:09.07	ARNO SCHUBLER	GER	1:42.71	LLOYD OSBORNE	USA
4:05.54	GERHARD MITSCH	GER	14:42.50	OTTO KUTZ	GER	4:11.28	JERRY EVERALL	USA	1:44.45	DAVID McAFEE	USA
4:08.05	HIRONARI UEDA	JPN	15:00.40	Y.HASEGAWA	JPN	4:17.46	MIKE OFFNER	USA	1:45.96	JOE S IRVINE	USA
4:09.17	DAN MILES	USA	15:26.11	HAROLD SEXTON	USA	4:24.42	NELSON OTIS	USA	1:46.01	KARL WITTENBERG	GER
4:23.92	R. MCCABE	AUS	15:26.68	GEORGE RAFTER	USA	4:27.33	JOHN JOHNSTON	USA	1:48.50	PASQUALE PIZZI	ITA
4:25.55	PAUL CRAGO	USA	15:30.99	HERBERT HOWE	USA	4:28.93	S. TAKAHASHI	JPN	200 M. FREE		
5:05.46	GAETANO GRECO	ITA	15:45.19	STAN BOARDMAN	NZL	4:33.57	PER FJAESTAD	SWE	3:34.35	T. TERAO	JPN
5:11.56	WILLIAM JOHNSTON	USA	16:36.97	S.MOCHIZUKI	JPN	50 M. FLY			3:50.40	DAVID McAFEE	USA
5:12.81	TADASHI YAMAGUCHI	JPN	16:42.51	GENE CROSSETT	USA	45.95	WILLIAM GRANT	USA	3:51.79	LLOYD OSBORNE	USA
200 M. I.M.			16:52.27	DAVID MALBROUGH	USA	46.88	GEORGE RAFTER	USA	4:01.71	KARL WITTENBERG	GER
3:27.60	RAYMOND F TAFT	USA	1500 M. FREE			47.19	HEINZ MIER	GER	4:04.26	JOE S IRVINE	USA
3:29.14	BIRCH DAVIDSON	USA	28:08.70	OTTO KUTZ	GER	47.28	Y.HASEGAWA	JPN	4:04.87	J. COMYNS	AUS
3:29.89	ALDO V DA ROSA	USA	29:01.09	HERBERT HOWE	USA	48.00	AL VANDE WEGHE	USA	4:17.12	WILLIAM MOLLOY	USA
3:32.43	BOB MERRICK	USA	29:22.77	GIOVANNI DE SILVA	ITA	49.19	ADOLF LONTZ	GER	4:22.13	GASTAO FIGUEIREDO	BRA
3:32.53	BRUNO KAYSER	GER	29:48.58	STAN BOARDMAN	NZL	49.85	AL ALVAREZ	GBR	4:38.94	RICHARD KANE	USA
3:34.67	J. JENKINS	AUS	29:53.85	GARY WEISENTHAL	USA	50.34	WILLIAM ROWE	USA	4:40.77	JOHN MAXWELL	USA
3:37.27	HIRONARI UEDA	JPN	30:40.06	JOHN JOHNSTON	USA	50.85	HELMUT BOUCHER	GER	400 M. FREE		
3:39.32	D. JEFFREY	AUS	32:01.84	DAVE MALBROUGH	USA	51.47	JACK MATTINGLY	USA	7:43.70	T. TERAO	JPN
3:43.14	PAUL KRUP	USA	32:07.57	WOODY BOWERSOCK	USA	100 M. FLY			8:14.91	DAVID McAFEE	USA
3:44.48	WILLI WINDEL	GER	32:10.37	HEINZ SIEGEL	GER	1:50.33	DON MCCULLOUGH	USA	8:22.55	KARL WITTENBERG	GER
400 M. I.M.			34:12.24	DOC SCHOFIELD	USA	1:53.59	GEORGE RAFTER	USA	8:46.32	JOE S IRVINE	USA
7:25.79	ALDO V DA ROSA	USA	50 M. BACK			1:55.40	ADOLF LONTZ	GER	8:50.63	HERB EISENSCHMIDT	USA
7:42.48	BRUNO KAYSER	GER	41.86	A.VANDE WEGHE	USA	1:59.96	Y.HASEGAWA	JPN	9:05.42	LLOYD OSBORNE	USA
7:43.39	RAYMOND F TAFT	USA	42.98	EDWARD SHEA	USA	2:07.46	NELSON OTIS	USA	9:06.10	JESSE COON	USA
7:43.76	GERALD HUESTIS	USA	43.14	HARRY CLASS	CAN	2:07.52	WILLIAM GRANT	USA	9:07.94	GASTAO FIGUEIREDO	BRA
8:01.44	DAN MILES	USA	43.82	TOKUZI YONEDA	JPN	2:10.77	JOHN JOHNSTON	USA	9:30.57	J. COMYNS	AUS
8:05.09	HIRONARI UEDA	JPN	44.16	G. WILLIAMS	AUS	2:23.81	AL ALVAREZ	GBR	9:38.89	RICHARD KANE	USA
8:06.42	NORRIS FLUKE	USA	44.77	C.SCHERER	GER	2:24.71	BOB BUCHANAN	NZL	800 M. FREE		
8:09.89	HEINZ AHRENDT	GER	45.51	R.REINSTADTLER	GER	2:35.76	NOBUO USHIMI	JPN	16:35.03	T. TERAO	JPN
8:27.70	B. GASTON	AUS	45.58	DAVE MALBROUGH	USA	200 M. FLY			17:52.60	KARL WITTENBERG	GER
8:37.09	RICHARD SMITH	USA	45.74	OTTO CLAUS	GER	4:10.39	DON MCCULLOUGH	USA	18:30.11	JOE S IRVINE	USA
			45.95	M.FUKUSHIMA	JPN	4:32.68	Y.HASEGAWA	JPN	19:28.55	GASTAO FIGUEIREDO	BRA
**********			100 M. BACK			4:36.42	JOHN JOHNSTON	USA	19:55.97	A. BURGOYNE	AUS
M E N 75-79			1:33.36	A. VANDE WEGHE	USA	5:00.44	NELSON OTIS	USA	20:22.55	RICHARD KANE	USA
**********			1:35.50	EDWARD SHEA	USA	5:08.90	GEORGE TRAWICKI	USA	25:52.51	ANDRE BONARI	FRA
50 M. FREE			1:38.81	C.SCHERER	GER	5:36.42	AL ALVAREZ	GBR	1500 M. FREE		
33.73	WOODY BOWERSOCK	USA	1:41.76	TOKUZI YONEDA	JPN	8:38.70	MAX LUNA	USA	33:09.90	KARL WITTENBERG	GER
34.03	WALTER LEDGARD	PER	1:43.63	R.REINSTADTLER	GER	200 M. I.M.			33:13.41	DAVID McAFEE	USA
34.61	A.VANDE WEGHE	USA	1:44.74	OTTO CLAUS	GER	3:39.64	AL VANDE WEGHE	USA	34:17.90	JOE S IRVINE	USA
35.25	HARRY CLASS	CAN	1:46.41	HARRY CLASS	CAN	3:47.94	DON MCCULLOUGH	USA	38:16.85	A. BURGOYNE	AUS
35.27	H. UEKI	JPN	1:47.55	WOODROW BOWERSOCK	USA	3:58.22	TOKUZI YONEDA	JPN	40:53.46	RICHARD KANE	USA
35.27	PETE OKUMOTO	USA	1:47.96	DAVE MALBROUGH	USA	4:00.11	GEORGE RAFTER	USA	44:28.09	OSVALDO BAICCHI	ITA
35.79	HELMUT BOUCHER	GER	1:48.35	BOB BUCHANAN	NZL	4:03.94	Y. HASEGAWA	JPN	50 M. BACK		
35.82	OTTO KUTZ	GER	200 M. BACK			4:05.85	NELSON OTIS	USA	49.04	FREDERICK HAUFF	USA
36.36	OTTO CLAUS	GER	3:25.93	EDWARD SHEA	USA	4:07.97	JOHN JOHNSTON	USA	50.63	T. TERAO	JPN
36.38	OBEL JAMES	USA	3:26.51	A. VANDE WEGHE	USA	4:12.72	WOODROW BOWERSOCK	USA	50.79	HELMUTS ZAUMSEIL	GER
100 M. FREE			3:41.22	C.SCHERER	GER	4:17.31	R.REINSTADTLER	GER	50.92	KARL WITTENBERG	GER
1:18.66	HIKOJI UEKI	JPN	3:46.51	TOKUZI YONEDA	JPN	4:17.58	HEINZ SIEGEL	GER	51.40	ERWIN FUCHS	GER
1:21.28	WALTER LEDGARD	PER	3:47.23	R.REINSTADTLER	GER	400 M. I.M.			52.25	PASQUALE PIZZI	ITA
1:21.33	WOODROW BOWERSOCK	USA	3:50.82	BOB BUCHANAN	NZL	8:09.72	DON MCCULLOUGH	USA	53.47	HERMANN DEUTZMANN	GER
1:22.89	OTTO KUTZ	GER	3:59.59	WOODROW BOWERSOCK	USA	8:39.06	JOHN JOHNSTON	USA	53.68	RENE FISHER	FRA
1:22.98	OBEL JAMES	USA	4:05.74	DAVE MALBROUGH	USA	8:44.24	GEORGE RAFTER	USA	54.23	NORI YAMAMOTO	JPN
1:24.22	PETE OKUMOTO	USA	4:07.29	CHARLES SALLE	USA	8:49.67	NELSON OTIS	USA	54.36	LEE STARR	USA
1:24.44	YOSHITO HATA	JPN	4:11.72	HARRY CLASS	CAN	9:36.85	HEINZ SIEGEL	GER	100 M. BACK		
1:25.33	STAN BOARDMAN	NZL	50 M. BRST			9:53.41	GEORGE TRAWICKI	USA	1:55.21	FREDERICK HAUFF	USA
1:25.76	HARRY CLASS	CAN	43.41	HIROMU YOSHIMOTO	JPN	9:56.91	AL ALVAREZ	GBR	2:04.81	RENE FISHER	FRA
1:25.92	HELMUT BOUCHER	GER	45.68	JERRY EVERALL	USA	10:04.27	R.REINSTADTLER	GER	2:06.13	LEE STARR	USA
200 M. FREE			47.09	WERNER ENGELMANN	GER	10:10.28	JACK MATTINGLY	USA	2:07.28	NORI YAMAMOTO	JPN
3:00.93	HIKOJI UEKI	JPN	47.09	HEINZ MIER	GER	10:21.73	WILLIAM GRANT	USA	2:07.44	HERB EISENSCHMIDT	USA
3:08.39	WALTER LEDGARD	PER	47.61	ALLEN BENNETT	USA				2:08.51	JIM PENFIELD	USA
3:10.02	PETE OKUMOTO	USA	47.88	S. TAKAHASHI	JPN	**********			2:14.56	DAVID McAFEE	USA
3:10.56	OTTO KUTZ	GER	47.91	C.SCHERER	GER	M E N 80-84			2:18.51	RUDI SCHUBERT	GER
3:15.74	OBEL JAMES	USA	48.05	TOM WEIR	USA	**********			2:24.27	JIM MCDIARMID	CAN
3:18.11	DEXTER WOODFORD	USA	48.69	ADOLF LONTZ	GER	50 M. FREE			2:27.46	N. ISHII	JPN
3:19.39	OTTO CLAUS	GER	49.39	MIKE OFFNER	USA	39.60	KARL WITTENBERG	GER	200 M. BACK		
3:19.86	STAN BOARDMAN	NZL	100 M. BRST			40.16	T. TERAO	JPN	4:20.51	FREDERICK HAUFF	USA
3:24.18	GIOVANNI DE SILVA	ITA	1:41.82	HIROMU YOSHIMOTO	JPN	40.63	WILLIAM MOLLOY	USA	4:33.54	HERB EISENSCHMIDT	USA
3:24.66	Y. HASEGAWA	JPN	1:43.62	HIKOJI UEKI	JPN	40.80	C.SUNDERLAND	USA	4:37.48	LEE STARR	USA
400 M. FREE			1:43.72	DON MCCULLOUGH	USA	41.17	FRANK BELAIRE	USA	4:41.48	JIM PENFIELD	USA
6:53.57	DEXTER WOODFORD	USA	1:46.84	ALLEN BENNETT	USA	41.33	PASQUALE PIZZI	ITA	4:43.21	DAVID McAFEE	USA
6:57.52	WALTER LEDGARD	PER	1:47.19	C.SCHERER	GER	41.45	J. HARVIE	AUS	4:48.18	PASQUALE PIZZI	ITA
6:59.55	AUSTIN NEWMAN	USA	1:50.27	JERRY EVERALL	USA	42.82	LLOYD OSBORNE	USA	5:11.93	N. ISHII	JPN
7:01.36	OTTO KUTZ	GER	1:56.53	ARNO SCHUBLER	GER	43.00	F. GRIFFITHS	AUS	5:15.89	KOICHI FUJII	JPN
7:05.87	PETE OKUMOTO	USA	1:56.76	MIKE OFFNER	USA	43.19	DAVID McAFEE	USA	5:45.23	A. BURGOYNE	AUS
7:08.73	HERBERT HOWE	USA	1:58.92	JACK MATTINGLY	USA	100 M. FREE			5:58.52	E. SHINBO	JPN
7:09.03	OBEL JAMES	USA	2:01.69	ADOLF LONTZ	GER	1:33.09	T. TERAO	JPN	50 M. BRST		
7:12.70	GIOVANNI DE SILVA	ITA	200 M. BRST			1:39.18	F. GRIFFITHS	AUS	46.59	KARL WITTENBERG	GER
7:20.03	STAN BOARDMAN	NZL	3:44.71	DON MCCULLOUGH	USA	1:39.95	C.SUNDERLAND	USA	53.01	FREDERICK HAUFF	USA
7:42.36	HARRY BARTLETT	USA	4:01.09	HIKOJI UEKI	JPN	1:40.60	J. COMYNS	AUS	55.38	WILLIAM MOLLOY	USA
800 M. FREE			4:06.52	C.SCHERER	GER	1:40.78	FRANK BELAIRE	USA	55.49	HERMANN DEUTZMANN	GER

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

55.74 JIM MCDIARMID CAN
55.95 KENNOSUKE KOYAMA JPN
56.80 LUIGI DAVOGLIO ITA
57.65 PASQUALE PIZZI GER
57.89 JIM PENFIELD USA
58.89 REINHOLD ZOEGE GER

100 M. BRST

1:51.25 KARL WITTENBERG GER
2:09.13 FREDERICK HAUFF USA
2:10.72 JIM MCDIARMID CAN
2:14.87 WILLIAM MOLLOY USA
2:15.47 HERMANN DEUTZMANN GER
2:20.60 LUIGI DAVOGLIO ITA
2:22.49 KENNOSUKE KOYAMA JPN
2:25.05 F. GRIFFITHS AUS
2:25.17 A. BURGOYNE AUS
2:25.95 JIM PENFIELD USA

200 M. BRST

4:40.90 REINHOLD ZOEGE GER
5:27.06 A. BURGOYNE AUS
5:32.82 KENNOSUKE KOYAMA JPN
6:23.77 MOACYR BRAGA BRA
6:38.03 ALBERT GILSDORF USA
9:30.26 G. COZINS AUS
9:30.26 GORDON COZINS AUS

50 M. FLY

52.05 JESSE COON USA
57.70 KARL WITTENBERG GER
59.30 LUIGI DAVOGLIO ITA
1:09.19 REINHOLD ZOEGE GER
1:17.43 RICHARD KANE USA
1:18.28 ALBERT GILSDORF USA
1:46.05 MOACYR BRAGA BRA

100 M. FLY

2:20.89 LUIGI DAVOGLIO ITA
2:21.06 JESSE COON USA
3:25.03 RICHARD KANE USA

200 M. FLY

5:36.65 JESSE COON USA
7:40.32 RICHARD KANE USA

200 M. I.M.

5:00.38 HERB EISENSCHMIDT USA
5:05.91 LUIGI DAVOGLIO ITA
5:13.43 JESSE COON USA
5:24.41 JIM PENFIELD USA
5:48.98 S. FUKUWATARI JPN
6:27.75 RICHARD KANE USA
6:41.13 MOACYR BRAGA BRA
7:49.78 E. SHINBO JPN

400 M. I.M.

10:29.63 JESSE COON USA

****
M E N 85-89
****

50 M. FREE

47.14 MAXWELL VOGT USA
48.19 GUS LANGER USA
51.62 R. WILLIAMS AUS
57.76 ANDREW KALLUNKI USA
1:00.01 JOE KAUFMAN USA
1:06.71 GEORGES SEJOURNE FRA
1:10.67 DON GRIFFITH USA

100 M. FREE

1:54.11 GUS LANGER USA
2:17.95 JOE KAUFMAN USA
2:49.66 DON GRIFFITH USA

200 M. FREE

4:06.06 GUS LANGNER USA
4:34.01 SYOHEI YOSHIDA JPN
5:03.50 JOE KAUFMAN USA
5:06.74 R. WILLIAMS AUS

400 M. FREE

8:51.94 GUS LANGNER USA
10:40.17 JOE KAUFMAN USA

800 M. FREE

18:18.42 GUS LANGNER USA

50 M. BACK

59.15 PETER JURCZYK USA
1:11.02 JOE KAUFMAN USA
1:11.36 GUS LANGER USA
1:30.42 R. WILLIAMS AUS
1:37.57 S. YOSHIMOTO JPN
1:53.34 DON GRIFFITH USA

100 M. BACK

2:20.09 PETER JURCZYK USA
2:32.64 JOE KAUFMAN USA
2:37.75 ABE OLANOFF USA
2:48.35 GUS LANGER USA

200 M. BACK

5:08.97 PETER JURCZYK USA
5:43.20 JOE KAUFMAN USA
6:49.07 GUS LANGER USA

50 M. BRST

1:06.98 ANDREW KALLUNKI USA
1:10.38 GUS LANGER USA
1:12.18 GEORGES SEJOURNE FRA
1:37.92 R. WILLIAMS AUS
1:40.92 DON GRIFFITH USA
1:50.76 S. YOSHIMOTO JPN

100 M. BRST

2:18.92 SYOHEI YOSHIDA JPN
2:37.57 ANDREW KALLUNKI USA
2:39.29 GUS LANGER USA
2:41.16 ABE OLANOFF USA
2:57.27 GEORGES SEJOURNE FRA

200 M. BRST

5:09.86 SYOHEI YOSHIDA JPN
5:43.67 ANDREW KALLUNKI USA
5:53.09 ABE OLANOFF USA
5:59.67 GUS LANGNER USA

50 M. FLY

59.50 SYOHEI YOSHIDA JPN
1:30.50 ABE OLANOFF USA
1:46.27 GUS LANGER USA

100 M. FLY

3:23.06 ABE OLANOFF USA

200 M. I.M.

5:52.48 ABE OLANOFF USA
6:11.74 GUS LANGER USA
8:48.67 DON GRIFFITH USA

400 M. I.M.

12:27.27 ABE OLANOFF USA

****
M E N 90-94
****

50 M. FREE

59.55 L. SPARRIUS AUS
1:45.08 ALPHONSE CASTEUR FRA

50 M. BACK

1:26.31 L. SPARRIUS AUS
2:24.15 KYOJIRO KOHZU JPN

100 M. BACK

4:45.88 TONY LOPEZ USA

50 M. BRST

2:07.31 KYOJIRO KOHZU JPN
2:59.63 TONY LOPEZ USA

****
M E N 95-99
****

50 M. FREE

1:28.24 TOM LANE USA

50 M. BACK

1:28.07 TOM LANE USA

100 M. BACK

3:21.19 TOM LANE USA

****
M E N 100-104
****
****
RELAYS: WOMEN 200 M. FREE
****
AGE 100-119
NEC JPN 2:00.35
.
CITY BRADFORD GBR 2:01.38
LAKESIDE USA 2:03.14
KAY BLACKWOOD
LUCY SHEARN
DIANE BLYTHE
AMY MITCHELL
OAHU KIOI JPN 2:03.83
MINAS BRA 2:05.06
TAC JPN 2:05.56
OAHU KIOI B JPN 2:06.06
LAKESIDE USA 2:06.21
GINA GATTI
MARGARET DUNCAN
AMY POPE
MELINDA SCHMIDT
HAKUYO JPN 2:06.63
EMPIRE USA 2:06.63
MONICA LEE
AVERY MEYERS
KRISTIN BROOKS
CHERYL KUPAN
AGE 120-159
LAKESIDE USA 2:00.54
GINA GATTI
MARY CURL
AMY POPE
MELINDA SCHMITT
WALNUT CREEK MA USA 2:01.09
CAREN LEWIS
R.SULLENBERGER
CATHY COOLEY
PAULA ROEMER
FLUMINENSE A BRA 2:03.48
CITY BRADFORD GBR 2:04.04
MAINICHI JPN 2:04.30
TAKEMI ISE
HIDEKO CHUBACHI
YOSHIKO SATO
ANN CHRISTIANSEN
NAS FUNA JPN 2:05.78
BRISBANE SOUTH AUS 2:06.40
URBAN SC JPN 2:07.21
EL CERRITO AQ. USA 2:07.66
RHONDA AMDAHL
STEPHANIE CUSHING
SUZANNE ROAT
WENDY JAMES
MOTHERWELL GBR 2:08.13
AGE 160-199
GREATER INDIANA USA 2:06.53
SHARON WISE
MARY ANN STEVENS
ANNE POWELL
MARGIE HEINEMAN
DC MASTERS USA 2:10.16
ANN SVANSON
ANDREA HAINES
JAYNE BRUNER
KATHY STETLER
EMPIRE STATE USA 2:11.56
MARCIA CLEVELAND
LIDA GASCHKE
CHRISTINE ZIMMET
KAREN FARNSWORTH
WALNUT CREEK MA USA 2:11.63
CAROL LAIRD
SHARON ODELL
BROOKE DICK
DEBBIE FLANSBURG
FLUMINENSE A BRA 2:12.20
SOYU-KAI JPN 2:13.01
SATOKO TAKEUJI
KUMIKO GOTO
HIROKO SAWADA
MIWAKO AMADA
SPENCER GBR 2:13.06
FLUMINENSE BRA 2:13.13
ST PETE MASTERS USA 2:13.38
MARY BARKER
JUDY STEFANICK
JAYNE LAMBKE
ANNE PAGE
POWERPOINTS AUS 2:14.51
AGE 200-239
KUNIMI SC JPN 2:22.20
CAIRNS MUD CRAB AUS 2:27.36
HEC TAKATSUKI JPN 2:28.70
HIDEKO NAITO
KEIKO FUJIMOTO
TAEKO IKEDA
MIKIKO YONEZAWA
VIRGINIA USA 2:30.02
GEORGIANA BAKER
JUDY DECKER
JOHNNIE DETRICK
LUCILLE GRIFFIN
SPENCER GBR 2:32.26
NORTH LODGE AUS 2:32.53
LEISURE COAST AUS 2:33.26
MAINICHI JPN 2:33.45
MASAKO EZAKI
HARUMI SUGIMOTO
MISAKO KIMOTO
IKUKO SEKIGUCHI
HAKUYO S JPN 2:34.24
STAR LAND JPN 2:34.92
MICHIKO SHINOHARA
KYOKO KATO
KYOKO HIGURASHI
TAKAKO SUGIURA
AGE 240-279
SAPPORO AC JPN 2:32.82
UMEKO KUWAHARA
CHISE IBE
YATSUKO KAGEYAMA
YOKO HYAKKOKU
MAINICHI JPN 2:46.48
YASUKO YOSHIDA
KIMIE KANAI
MACHIKO ITAI
REIKO NAWATA
SPENCER GBR 2:48.12
ITOMAN KAWASAKI JPN 2:50.24
KAZUKO SHIOZAWA
NORIKO MORI
MIDORI KINJO
KIYOKO KOZU
ETTALONG PELICA AUS 2:50.85
WALNUT CREEK USA 2:51.30
ANN PISCIOTTA
JACQUIE PLACAK
BETTY BARABASH
DONNA MONROE
KOEIKAI JPN 2:52.60

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1991

URBAN SC JPN 2:53.09
TERU YOSHIKAWA
SADAKO KUWAZURU
HIROKO TANIGUCHI
KAZUKO YOSHIMOTO
CRONULLA-SUTHER AUS 2:53.21

OAHU JPN 2:53.96

AGE 280-319
SUIEI-KAI JPN 3:19.89
KIKUYO EBATO
MITSUYO ASADA
SHIZUE HATA
MIDORI NAKAJIMA
WALNUT CREEK USA 3:30.56
PAT PREVETZ
MARY JANE REEVES
SALLY JOY
JAE HOWELL
OAHU KIOI A JPN 3:36.62

ST PETE MASTERS USA 3:37.73
JACQUELYN PIPER
WIN KENNEDY
FRANCES CICHANSKI
KAY SCHIMPF
RINCONADA USA 3:40.72
ELLEN TAIT
KATHERINE BAILEY
PATSY WEISS
SALLY SCHOLER
MAINICHI JPN 3:42.31
HIDEKO MORI
KIMIKO ONO
SACHIKO UDA
SUMIKO YANAGISAWA
OAHU KIOI B JPN 3:48.03

HOLMES LUMBER USA 3:49.38
GERTRUD ZINT
MILLIE HUPP
RACHEL ERWIN
MARJORIE NEWMAN
OAHU KIOI C JPN 3:51.79

OAHU KIOI D JPN 3:54.00

****
RELAYS: WOMEN 200 M. MEDLEY
****
AGE 100-119
CITY BRADFORD GBR 2:15.84

OAHU KIOI A JPN 2:18.11

NEC GREEN JPN 2:19.03

VIRGINIA USA 2:19.84
ROBIN HAMPTON
LISA BENNETT
VAL VAN HORN PATE
PAULA JONES
TAC A JPN 2:19.99

MASTERS PARANA BRA 2:20.02

MINAS BRA 2:21.35

SPENCER GBR 2:21.41

LAKESIDE USA 2:23.63
SUZANNE DUDGEON
LUCY SHEARN
KAY BLACKWOOD
DIANE BLYTHE
OAHU KIOI B JPN 2:23.96

AGE 120-159
LAKESIDE USA 2:13.78
MARY CURL
GINA GATTI
AMY POPE
MELINDA SCHMITT
MAINICHI JPN 2:20.09
TAKEMI ISE
YOSHIKO SATO
ANN CHRISTIANSEN
HIDEKO CHUBACHI
ST KANSAI JPN 2:20.25
MEGUMI JITA
YOSHIE OSAKI
MASAMI TAKEMOTO
YOSHIKO OSAKI
CITY BRADFORD GBR 2:20.31

NAS FUNA JPN 2:20.43

CLAREMONT AUS 2:20.56

FLUMINENSE BRA 2:20.97

EMPIRE STATE USA 2:21.49
MARCIA CLEVELAND
KAREN FARNSWORTH
COLLEEN DRISCOLL
CHRISTINE ZIMMET
HIPPOCAMP VEN 2:21.86

FLAMENGO BRA 2:21.90

AGE 160-199
ST PETE MASTERS USA 2:23.16
JUDY STEFANICK
LISA FLANAGAN
JAYNE LAMBKE
ANNE PAGE
GREATER INDIANA USA 2:26.51
MARY ANN STEVENS
MARGIE HEINEMAN
SHARON WISE
ANNE POWELL
MAINICHI JPN 2:30.57
HIROKO SHIBA
SACHIKO MATSUNO
TOMOKO ASAHI
HIROKO FURUYA
SPENCER GBR 2:30.82

FLUMINENSE BRA 2:32.75

YORK CITY GBR 2:33.15

CLAREMONT AUS 2:34.61

NADA MAIS BRA 2:35.74

HAKUYO S JPN 2:36.37
HIROKO KOSHIKAWA
ETSUKO IKEDA
CHIYOMI GENBA
FUMIKO NAKAMURA
DC MASTERS USA 2:36.92
ANDREA HAINES
RUTH BENNETT
KATHY STETLER
BARBARA ZAREMSKI

AGE 200-239
DC MASTERS USA 2:31.32
BARBARA FRID
JOANN LEILICH
ANN SVANSON
JAYNE BRUNER
MAINICHI JPN 2:44.16
MISAKO KIMOTO
NORIKO YATSUNAMI
KATSUK TATSUKOSHI
TOMOKO TANPO
LINCOLN USA 2:44.45
MARY POHLMANN
HANNELORE SNYDER
IRENE DAVID
BETTY BENNETT
EMPIRE STATE USA 2:46.12
J.MURPHY-SHERMAN
ALICE JONES
SUZANNE RAGUE
LIDA GASCHKE
FLUMINENSE A BRA 2:47.88

CAIRNS MUD CRAB AUS 2:48.53

FLUMINENSE BRA 2:48.82

LEISURE COAST AUS 2:51.48

SPENCER GBR 2:51.90

OAHU KIOI JPN 2:55.42

AGE 240-279
ST. LOUIS USA 2:53.89
REGAN KENNER
CAROL TAYLOR
ARDETH MUELLER
DORIS PETERS
KOEIKAI JPN 3:03.86

SAPPORO AC JPN 3:08.82
YOKO HYAKKOKU
CHISE IBE
UMEKO KUWAHARA
YATSUKO KAGEYAMA
ITOMAN KAWASAKI JPN 3:11.73

MAINICHI JPN 3:12.13
HARUMI SUGIMOTO
KIMIE KANAI
REIKO NAWATA
MACHIKO ITAI
OAHU KIOI B JPN 3:12.91

OAHU KIOI JPN 3:14.03

SPENCER GBR 3:14.07

OAHU KIOI D JPN 3:15.00

NARA SS JPN 3:16.21
YUMIKO URAKAMI
SACHIE HIRAO
KIYOKO NAKAJIMA
TOSHIKO MURAKAMI

AGE 280-319
OAHU KIOI A JPN 3:49.30

MAINICHI JPN 3:51.10
SACHIKO UDA
SUMIKO YANAGISAWA
HIDEKO MORI
KIMIKO ONO
SUNSHINE COAST AUS 3:59.25

SUIEI-KAI JPN 4:03.05
KIKUYO EBATO
MITSUYO ASADA
TOSHIKO AMANO
SHIZUE HATA
OAHU KIOI C JPN 4:03.49

OAHI KIOI JPN 4:10.84

OAHU KIOI JPN 4:12.03

HOLMES LUMBER USA 4:25.75
MARJORIE NEWMAN
GERTRUD ZINT
RACHEL ERWIN
MILLIE HUPP
SOMERSET AUS 5:13.74

INGLEWOOD AUS 5:39.33

****
RELAYS: M E N 200 M. FREE
****
AGE 120-159
LONE STAR MASTE USA 1:44.23
DAVID HAGUE
DOUGLAS MOYSE
DAN REDFERN
ROBERT HUDEK
H2OUSTON SWIMS USA 1:44.89
DAVID GUTHRIE
JEFF NEUFELD
PHIL FLATO
JAMES ELGIN
HARROGATE DIST GBR 1:45.00

OAHU KIOI A JPN 1:45.13

OAHU KIOI B JPN 1:45.36

OTTER GBR 1:45.84

CITY LEEDS GBR 1:46.35

OAHU KIOI C JPN 1:46.64

SCD USA 1:47.17
JAMES E. KAUFFMAN
PAUL A. GRECCO
EDWARD N. FOSTER
STEVE B. NICHOLS
FRANCNADAD VEN 1:47.29

AGE 160-199
LAKESIDE MASTER USA 1:47.78
JOHN NOLAN
DOUGLAS TENNANT
WILLIAM TINGLEY
THOMAS FINNEGAN
O*H*I*O MASTERS USA 1:49.17
HARRY GREENFIELD
RUDY VAZMINA
PATRICK SAVAGE
LOU HORWITZ
HOLMES LUMBER J USA 1:49.53
TOM SMITH
PAUL WISE
DOUG HELLERSON
JACK BEATTIE
E.C. PINHEIROS BRA 1:50.31

KWUN TONG CLUB HKG 1:50.62
TAI CHUN FU
KHIN SYN YONG
SEUN PO LIU
WAI YIP CHAN
HSAM USA 1:51.34
LEE MENCH
JERRY O'MARA
DAVID E. SAPPER
DOUGLAS SELBY
MINAS T CLUB BRA 1:51.82

ANANCE BRA 1:52.10

POWERPOINTS AUS 1:52.37

HAKUYO S JPN 1:52.48
KAZUYUK MOCHIZUKI

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SADAO SAJIKI
HIROSHI NONAKA
SHINPE YANAGISAWA

AGE 200-239
FLIPPER A JPN 1:57.33

VALE NADAR BRA 1:57.34

MINAS BRA 1:57.41

VIVA SA JPN 1:57.52

FLIPPER B JPN 1:57.67

UNIMED BRA 1:59.13

WARRINGAH AUS 1:59.28

GEORGIA KILLER USA 1:59.33
IRWIN STOLZ JR.
HAL STOLZ
CASEY CLAFLIN
NESTOR MIYARES

HAKUYO S JPN 1:59.42

OTTER GBR 1:59.96

AGE 240-279
FLUMINENSE A BRA 2:05.77

SDSM USA 2:08.63
LLOYD SKRAMSTAD
JOHN W. GOODE
DONALD BAKER
A ARCIDIACONO

NEW ENGLAND MAS USA 2:08.86
TED HAARTZ
IRVING KATZ
BARR CLAYSON
DONALD READ

LINCOLN MASTERS USA 2:08.94
GEORGE GANDSEY
PAUL HUTINGER
SAM KOOISTRA
BILL MULLIKEN

OTTER GBR 2:10.93

SPARKHILL GBR 2:11.58

ETTALONG PELICA AUS 2:12.70

NADA MAIS BRA 2:12.74

NAKATATE SS JPN 2:12.88

DOLFIN SC JPN 2:12.90
KINGO NANIWA
SHIGEHIKO KOSHIBA
SUSUMU SUZUKI
SHIGEYUK NAGASAWA

AGE 280-319
OREGON USA 2:21.22
GERRY HUESTIS
EARL WALTER
GIL YOUNG
ANDREW HOLDEN

SUIEI-KAI JPN 2:25.94
SHIRO TERUYAMA
TADAHIRO NAKAJIMA
TOYOJI TAKAMI
HIDEAKI KATO

DC MASTERS USA 2:26.34
BERT KASSELL
FRANK MURPHY
MATTHEW FLANAGAN
JOHN WOODS

SUIEIKAI B JPN 2:26.77

O*H*I*O MASTERS USA 2:29.21
GEORGE RAFTER
PAUL KRUP
NELSON OTIS
JOHN DAILY

RINCONADA USA 2:29.46
ELI GOLDFARB
ALDO DA ROSA
JOE IRVINE
ED KERSWILL

SETAGAYA JPN 2:30.66
YASUO UTE
YASURO ARIMA
AKASHI FUJII
ISAMU TAMURA

PINHEIROS BRA 2:31.20

SETAGAYA M B JPN 2:32.91

LBM USA 2:33.62
WILLIAM DEMASTUS
ERNEST VAN HORN
EMILE W. ACHEE
WOODY BOWERSOCK

****
RELAYS: M E N 200 M. MEDLEY
****
AGE 100-119
IKEGAMI SC A JPN 1:54.31

DC MASTERS USA 1:57.18
JOHN MATSON
JOSEPH WALTER
JIM SKIRBOLL
DEREK BOORN

IKEGAMI SC B JPN 1:57.80

HITACHI JPN 1:58.36

PARANA A BRA 1:58.45

HAKUYO S A JPN 1:58.52

TOPI AYASE JPN 1:58.64

PEOPLE EBI JPN 1:58.76

TOSUIKAI JPN 1:59.11

TOSUI KAI JPN 1:59.11

AGE 120-159
POWERPOINTS AUS 1:51.06

THE OLYMPIC CLU USA 1:53.15
DAVID LUNDBERG
STUART CORLISS
JOHN FOOTE JR.
MIKE KECK

MAINICHI JPN 1:54.91
MONFORE MONTE
GLEN CHRISTAINSEN
MASAHITO SASAKI
KUNIMASA KASHIKI

HARROGATE DIST GBR 1:56.15

OAHU KIOI JPN 1:57.26

H2OUSTON SWIMS USA 1:57.31
JEFF THIBODEAUX
DAVID GUTHRIE
JAMES ELGIN
JEFF NEUFELD

OAHU KIOI C JPN 1:59.63

DCM USA 2:00.16
JOHN CALVERT
ROBERT TUCKER
MATT BRICKLEY
EDWARD WEST

FLUMINENSE BRA 2:00.26

DARLINGTON GBR 2:00.31

AGE 160-199
LAKESIDE MASTER USA 2:03.57
WILLIAM TINGLEY
JAMES GOODWIN
JOHN NOLAN
CHRIS BURCKLE

MURASAKI SP JPN 2:04.43

MURASAKI SPORTS JPN 2:04.65
SHIGEO KANAI
YASUFUMI TSUNEOKA
TAKAO KASHIWAGI
YOSHIHIRO KISHI

HARROGATE DIST GBR 2:05.07

HOLMES LUMBER J USA 2:05.25
TOM SMITH
PAUL WISE
DOUG HELLERSON
JACK BEATTIE

FLAMENGO BRA 2:05.30

MUSIC CITY MAST USA 2:06.98
BILL RODRIGUEZ
BOB CATANACH
LARRY LOVELACE
ERIC YOUNGQUIST

THE OLYMPIC CLU USA 2:07.58
JAMES BEGLINGER
BILL BARTHOLD
RICHARD BASSI
RANDY WILLIAMS

HAKUYO S JPN 2:07.68
AKIRA TSUHARA
HIROSHI NONAKA
SADAO SAJIKI
KATASHI AOKI

NAGI ESP 2:07.94
JAIME MONZO
PEDRO ROCABERT
JOSE CLARET
JUAN CLARET

AGE 200-239
GEORGIA KILLER USA 2:12.90
IRWIN STOLZ JR.
HAL STOLZ
CASEY CLAFLIN
NESTOR MIYARES

OTTER GBR 2:13.64

VALE NADAR BRA 2:13.75

CITY BRADFORD GBR 2:14.42

KIMITSU JPN 2:14.49
FUMIHI YANAGISAWA
TOSHIYUK MIYAUCHI
TADASHI IWAMOTO
JUURO HISATUNE

MINAS BRA 2:14.53

MINAS T CLUB BRA 2:15.39

MAINICHI JPN 2:15.51
YOSHIHI YAMASHITA
MASATERU ISA
MASAYASU KAMIYA
ATSUSHI MAEDA

UNIMED BRA 2:16.67

FLIPPER JPN 2:16.95

AGE 240-279
LINCOLN MASTERS USA 2:21.20
GEORGE GANDSEY
BILL MULLIKEN
PAUL HUTINGER
SAM KOOISTRA

OTTER GBR 2:25.84

KAMINAGAYA JPN 2:32.96

PINHEIROS BRA 2:33.27

ETTALONG PELICA AUS 2:33.36

OAHU KIOI A JPN 2:33.92

MAINICHI JPN 2:34.77
KENJI HOSOKAWA
WATARU OKADA
RYUICHI ICHIKAWA
KUNIO KAMATA

OAHU KIOI C JPN 2:34.95

MICHIGAN MASTER USA 2:35.12
ALFRED KAPTOR
JOHN REESE
CHARLES MAAS
BOB HERITIER

FLUMINENSE A BRA 2:36.60

HAKUYO S JPN 2:36.60

AGE 280-319
OREGON USA 2:37.22
EARL WALTER
BOB MORRISON
ANDREW HOLDEN
GERRY HUESTIS

O*H*I*O MASTERS USA 2:49.95
NELSON OTIS
KEITH CARTER
PAUL KRUP
GEORGE RAFTER

MANLY AUS 2:54.67

SUIEIKAI A JPN 3:11.49

TAIPEI CHT 3:12.62
SAN-PIN WANG
HUO-TZU LIN
CHUNG-KIANG SU
SU-YEN WANG

SUIEI-KAI JPN 3:14.48
SHIRO TERUYAMA
YOSHIO MATSUMOTO
YASUO ISHIBASHI
HIDEAKI KATO

REC SWIM 88 JPN 3:20.17
NORI YAMAMOTO
KOSABURO TSUCHIYA
MASUO YAMASHITA
SHICHI FUKUWATARI

ETTALONG PELICA AUS 3:23.23

ST PETE MASTERS USA 3:25.34
ROBERT ATWOOD
ABRASHA BRAININ
JOHN JOHNSTON
ROBERT PATTON

PINHEIROS BRA 3:25.38

****
RELAYS: MIXED 200 M. FREE
****
AGE 120-159
LAKESIDE MASTER USA 1:48.67
DOUGLAS TENNANT
PETER EDWARDS

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AMY POPE
MELINDA SCHMITT
HOUSTONIAN CLUB USA 1:52.51
TORI SMITH
BOB BAILIE
STEVEN ROEDER
LESLIE WETZEL
NADA MAIS A BRA 1:53.74

FLAMENGO BRA 1:53.87

POWERPOINTS AUS 1:55.08

OAHU USA 1:55.87
ROWDY GAINES
CAROLE MASSIE
CINDY NAKAMURA
JAMES KRUEGER
ADELAIDE AUS 1:55.99

WH2O USA 1:56.35
ANDREA J. DEVUONO
JIM M. RHYNE
JANE E. LA FORCE
TOM REUDY
MOSCOW URS 1:57.00

OAHU KIOI JPN 1:57.17

AGE 160-199
ST KANSAI JPN 1:56.36
YOSHIKO OSAKI
YOSHIE OSAKI
YYOSHIHIKO OSAKI
KOUJI NAKANO
MAINICHI JPN 1:56.38
TAKEMI ISE
MASATERU ISA
MASAYASU KAMIYA
ANN CHRISTIANSEN
GREATER INDIANA USA 1:56.64
BILL WOOD
MARY ANN STEVENS
ANNE POWELL
JEFF COOKE
LAKESIDE MASTER USA 1:57.78
JOHN NOLAN
WILLIAM TINGLEY
JEAN HENDERSON
MARY CURL
NORTH SHORE ZNL 2:01.74
ROBIN HERRING
GLENDA BIDDLE
BARRY YOUNG
PETER MCCLURE
UNIMED BRA 2:02.02

VALE NADAR BRA 2:02.41

CLAREMONT AUS 2:02.51

HEIWAJIMA JPN 2:02.61
NOBUYUKI TANAKA
KIYOKO HANAWA
TOSHIRO OZAWA
MIDORI OZAWA
MOSCOW URS 2:02.75

AGE 200-239
FLUMINENSE A BRA 2:04.80

FLUMINENSE BRA 2:07.90

LINCOLN MASTERS USA 2:08.91
BILL MULLIKEN
BETTY BENNETT
IRENE DAVID
SAM KOOISTRA
SDSM USA 2:12.27
DONALD BAKER
ADRIENNE S. PIPES
LAURA MELDRUM
A ARCIDIACONO
ST KANSAI JPN 2:12.80

PINHEIROS BRA 2:13.47

GREATER INDIANA USA 2:14.71
BARBARA LARSEN
JOAN DIERCKS
FRANCIS MCAREE
MEL GOLDSTEIN
CAMERON ZNL 2:15.00
ALISON LEACH
JOAN MONAHAN
TUA DYER
HAN ROOS
MAINICHI JPN 2:15.14
ATSUSHI MAEDA
KATSUK TATSUKOSHI
MISAKO KIMOTO
RYO YOSHIDA
TEA TREE GULLY AUS 2:15.26

AGE 240-279
ETTALONG PELICA AUS 2:21.89

ST. LOUIS MASTE USA 2:25.13
CAROL TAYLOR
ARDETH MUELLER
ART KELLEY
ROBERT BLAKE
FLUMINENSE BRA 2:26.23

CLAREMONT AUS 2:30.50

KAMINAGAYA SC JPN 2:30.81
SEIJI INAMOTO
NOBUYO KITAGAWA
SHOGORO AZUMA
YOKO SUGIYAMA
C.R. ICARAI BRA 2:31.19

MAINICHI JPN 2:33.30
TOMOKO ASAHI
REIKO NAWATA
KENJI HOSOKAWA
FUSAKICHI OINUMA
HUMU USA 2:33.30
BETH BLICKFELDT
MORRIS MATHEWS
MICHAEL DELANEY
DIANE STOWELL
GREATER INDIANA USA 2:33.76
JOHN MAXWELL
IVAN CHALFIE
MARGIE HEINEMAN
SHARON WISE
MANLY AUS 2:34.42

AGE 280-319
SUIEI-KAI JPN 2:41.68
TOYOJI TAKAMI
MITSUYO ASADA
MIDORI NAKAJIMA
HIDEAKI KATO
HUMU USA 2:49.18
AILEEN SOULE
PETE OKUMOTO
CHARLOTE COSTELLO
EDWARD NAKAMURA
ETTALONG PELICA AUS 2:50.42

HOLMES LUMBER J USA 2:57.41
WILLIAM GRANT
BILL UHRICH
RACHEL ERWIN
GERTRUD ZINT
LINCOLN MASTERS USA 2:58.65
ELIZABETH COLBURN
CLARA SOTAK
DAVE MALBROUGH
PAUL HUTINGER
WISCONSIN USA 2:59.67
ARNO LEDEBUHR
FRAN ZEUMER
LYNN SURLES
BETTY KENDALL
MANLY AUS 3:01.37

DC MASTERS USA 3:02.56
NANCY CLARK
FRANK MURPHY
LORRAINE MURPHY
TOM DEWEY
MAINICHI JPN 3:09.59
MASAYUKI OTAKI
KIMIE KANAI
MACHIKO ITAI
KUNIO KAMATA
CLAREMONT AUS 3:10.29

****
RELAYS: MIXED 200 M. MEDLEY
****
AGE 100-119
PARANA BRA 2:04.96

OAHU USA 2:05.33
YOSHIE OSAKI
HIROKO NAGASAKI
TAKAYUKI SHIBATA
ROWDY GAINES
MINAS A BRA 2:06.19

MALVERN AUS 2:06.63

LAKESIDE USA 2:07.28
AMY POPE
GINA GATTI
KIRK BUESE
DOUGLAS TENNANT
U OF SAN FRAN USA 2:07.28
BRIAN WILKERSON
THERESE O'NEILL
DEAN PANZICA
MICHELLE YOUNG
NADA MAIS BRA 2:09.50

LAKESIDE MASTER USA 2:11.13
NANCY LEWIS
CHRIS BURCKLE
KAY BLACKWOOD
SAM BLYTHE
WEST SUBURBS AUS 2:11.20

WALNUT CREEK USA 2:11.44
PAM BOSCOVICH
R. SULLENBERGER
STEVE STAHL
GREG REMMERT

AGE 120-159
WALNUT CREEK MA USA 2:03.66
PAULA ROEMER
TOM FRISTOE
KERRY O'BRIEN
CAREN LEWIS
MAINICHI JPN 2:04.21
MONFORE MONTE
GLEN CHRISTAINSEN
ANN CHRISTIANSEN
HIDEKO CHUBACHI
HOUSTONIAN CLUB USA 2:04.58
BOB BAILIE
TORI SMITH
LESLIE WETZEL
STEVEN ROEDER
NADA MAIS BRA 2:07.41

LAKESIDE MASTER USA 2:07.48
MARY CURL
JAMES GOODWIN
PETER EDWARDS
MELINDA SCHMITT
FLUMINENSE A BRA 2:08.27

LONE STAR MASTE USA 2:08.59
JANN BUTLER
KIM DECKER
DAVID HAGUE
LISA PALMISANO
OAHU USA 2:08.86
CAROLE MASSIE
JOHN ROGERS
ROWDY GAINES
CINDY NAKAMURA
POWERPOINTS AUS 2:09.34

DC MASTERS USA 2:10.10
JOHN MATSON
JOSEPH WALTER
KATHY STETLER
ANDREA HAINES

AGE 160-199
ST KANSAI JPN 2:08.84
YOSHIKO OSAKI
YOSHIHIKO OSAKI
KOUJI NAKANO
YOSHIKO OSAKI
LAKESIDE MASTER USA 2:10.10
WILLIAM TINGLEY
A.WRIGHT-BELKNAP
JOHN NOLAN
JEAN HENDERSON
FLUMINENSE BRA 2:12.70

WALNUT CREEK MA USA 2:13.62
BROOKE DICK
MAL JESTER
JIM KING
CATHY COOLEY
GREATER INDIANA USA 2:15.92
MARY ANN STEVENS
BILL WOOD
ANNE POWELL
JEFF COOKE
ST PETE MASTERS USA 2:18.09
JUDY STEFANICK
ARTHUR HALTTUNEN
JAYNE LAMBKE
JOHN EDWARDS
CLAREMONT AUS 2:18.53

UNIMED BRA 2:19.12

DC MASTERS USA 2:19.25
BARBARA FRID
BOB HUSSON
JIM SKIRBOLL
RUTH BENNETT
MAINICHI JPN 2:19.48
RYO YOSHIDA
SACHIKO MATSUNO
KUNIMASA KASHIKI
HIROKO FURUYA

AGE 200-239
LINCOLN MASTERS USA 2:24.07
BETTY BENNETT
BILL MULLIKEN
IRENE DAVID
SAM KOOISTRA
FLUMINENSE BRA 2:25.69

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DC MASTERS USA 2:26.34
LAWRENCE COHEN
JOANN LEILICH
ROBERT BENNETT
ANN SVANSON
MAINICHI JPN 2:28.43
KATSUK TATSUKOSHI
TERUO IWATA
TOMOKO ASAHI
MASATERU ISA
MINAS A BRA 2:29.33

POWERPOINTS AUS 2:32.58

KSC SENRI JPN 2:32.65
TADAYUKI TAKAGI
KIYOKO YOFU
CHITOSHI KONISHI
KAZUKO ITO
MINAS TENIS CLU BRA 2:33.14

SDSM USA 2:33.77
BETSY T. JORDAN
LLOYD SKRAMSTAD
SUSAN RITTENHOUSE
BILL EARLEY
C.R. ICARAI BRA 2:33.87

AGE 240-279
ST. LOUIS MASTE USA 2:37.52
ART KELLEY
CAROL TAYLOR
ARDETH MUELLER
ROBERT BLAKE
DC MASTERS USA 2:37.68
JOHN WOODS
JAYNE BRUNER
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BARBARA ZAREMSKI
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KENJI HOSOKAWA
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MASAYASU KAMIYA
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NANCY MACBETH
RAYMOND BELLEM
CHARLES BALDWIN
EDIE GRUENDER
ETTALONG PELICA AUS 2:45.00

HUMUHUMU USA 2:45.92
BETH BLICKFELDT
MORRIS MATHEWS
MICHAEL DELANEY
DIANE STOWELL
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MARLENE MENDES
MARIA LENK
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DICK BENNETT
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JOHN W. GOODE
ALICIA COLEMAN
ADRIENNE S. PIPES
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CLARA WALKER
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TED HAARTZ
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MARJORIE NEWMAN
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BILL UHRICH
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DIANA M SILVA
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A.ARCIDIACONO
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MASAYUKI OTAKI
KUNIO KAMATA
REIKO NAWATA
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WISCONSIN USA 3:42.97
FRAN ZEUMER
HERBERT HOWE
DOROTHY KANEHL
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