FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

WOMEN 25-29

50 M. FREE

26.82	HEATHER HAGEMAN	USA
27.27	MANUELA SCHUBERT	GER
27.33	MARJA PARSSINEN	FIN
27.85	DORI KAUFFMAN	USA
27.86	SASKIA LAMMERTS	GER
27.96	JANNE KREUTER	DEN
27.98	KATHLEEN HARTNETT	USA
28.02	IARA SCARPELLI	BRA
28.09	INNA GLUSHENKO	UKR
28.20	MELINDA MAROSI	HUN

100 M. FREE

59.45	MANUELA SCHUBERT	GER
1:00.36	HEATHER HAGEMAN	USA
1:00.66	SASKIA LAMMERTS	GER
1:00.71	LISA SUMMERS	USA
1:01.36	KATHLEEN HARTNETT	USA
1:01.65	IARA SCARPELLI	BRA
1:01.78	NANCY DUNCAN	USA
1:01.94	JENNIFER RIDGE	USA
1:02.00	INNA GLUSHENKO	UKR
1:02.14	PATRICIA GALLO	BRA

200 M. FREE

2:10.86	MANUELA SCHUBERT	GER
2:11.37	LISA SUMMERS	USA
2:11.46	KYLIE RYAN	AUS
2:12.11	SARAH ANDERSON	USA
2:14.42	SUSAN HILL	GBR
2:14.74	JENNIFER RIDGE	USA
2:14.89	DEBORAH HAMLITON	GBR
2:14.99	LAUREL HILL	USA
2:15.74	KIRSTEEN BUTLER	AUS
2:16.58	JULIA GORMAN	USA

400 M. FREE

4:41.60	KYLIE RYAN	AUS
4:41.96	DEBORAH HAMLITON	GBR
4:42.47	LISA SUMMERS	USA
4:43.62	LAUREL HILL	USA
4:44.01	SARAH ANDERSON	USA
4:45.87	SUSAN HILL	GBR
4:48.12	DONNA JOHNSON	USA
4:48.46	ANDREA HALBACH	GER
4:48.90	LORNA HARVEY	GBR
4:50.29	SOFI NYGREN	SWE

800 M. FREE

9:44.29	DONNA JOHNSON	USA
9:44.63	DEBORAH HAMLITON	GBR
9:50.18	SUSAN HILL	GBR
9:53.60	SOFI NYGREN	SWE
9:57.54	SARAH ANDERSON	USA
9:57.55	GRITH SIGSGAARD	DEN
10:05.67	ELLEN BAIRD	USA
10:07.48	GITTE RUD HANSEN	DEN
10:08.99	LARNA HARVEY	GBR
10:10.18	JULIA GORMAN	USA

1500 M. FREE

18:24.25	DONNA JOHNSON	USA
18:29.85	LAUREL HILL	USA
19:25.98	NANCY NORTH	USA
19:53.89	RENEE WILCOX	USA
20:08.07	K.CARROLL-BASSO	USA
20:25.48	ANN HILL	USA
20:30.18	LAURA ANTONIETTA	USA
20:39.05	GINA MAVIGLIANO	USA
21:03.77	THERESA KLEIN	USA
21:15.61	THERESE DE MUNCK	NED

50 M. BACK

30.88	KAORU ONO	JPN
32.07	KATHLEEN HARTNETT	USA
32.18	CHRISTINE KOLLER	GER
32.21	SUNNY SMILEY	USA
32.46	SASKIA LAMMERTS	GER
32.54	INES HARTMANN	GER
32.78	LENKA NEMECKOVA	CZE
32.98	SHANNON BELLAIRE	DEN
32.98	MIKI YAGI	JPN
33.22	IARA SCARPELLI	BRA

100 M. BACK

1:06.85	KAORU ONO	JPN
1:08.61	SASKIA LAMMERTS	GER
1:10.05	INES HARTMANN	GER
1:11.39	CHRISTINE KOLLER	GER
1:11.46	KATHLEEN HARTNETT	USA
1:11.88	SUNNY SMILEY	USA
1:12.36	SHANNON BELLAIRE	DEN
1:12.44	CORINNA KRIETSCH	GER
1:12.68	KYLIE RYAN	AUS
1:12.74	ANNETT REX	GER

200 M. BACK

2:31.21	INES HARTMANN	GER
2:34.58	KATHLEEN HARTNETT	USA
2:37.48	JULIA GORMAN	USA
2:37.82	CORINNA KRIETSCH	GER
2:39.11	ELEONORA FELICI	ITA
2:39.30	BARBARA GRILLO	ITA
2:39.52	NINA GORBUNOVA	RUS
2:39.67	BIANCA STEINMETZ	GER
2:39.71	SUNNY SMILEY	USA
2:39.87	S LHOTELLIER	FRA

50 M. BRST

34.40	FRANCESCA ALFONSI	ITA
34.88	PETRA GANSS	GER
35.38	KIRSTEN BLUDAU	GER
35.59	A.BERTACCHE	ITA
35.61	CLAUDIA WIESNER	GER
35.68	ANNETT REX	GER
35.88	KERSTIN BADEL	GER
35.97	CHIFUMI YAMAGA	JPN
36.03	SIOBHAN HARTLEY	GBR
36.13	DANICE STONE	USA

100 M. BRST

1:19.00	PETRA GANSS	GER
1:19.44	KIRSTEN BLUDAU	GER
1:19.52	HELEN WALSH	USA
1:19.58	A.BERTACCHE	ITA
1:19.59	CLAUDIA WIESNER	GER
1:19.61	ANNETT REX	GER
1:20.17	DANICE STONE	USA
1:21.04	KERSTIN BADEL	GER
1:21.05	NINA GORBOUNOVA	RUS
1:21.36	SIOBHAN HARTLEY	GBR

200 M. BRST

2:51.29	HELEN WALSH	USA
2:54.07	JENNIFER RIDGE	USA
2:54.84	KERSTIN BADEL	GER
2:55.46	KIRSTEN BLUDAU	GER
2:55.65	KEIKO OKAMOTO	JPN
2:55.99	PETRA GANSS	GER
2:56.71	CLAUDIA WIESNER	GER
2:56.75	V.ROMANENGHI	ITA
2:56.87	M.MADJIROVA	GER
2:58.73	NIAMH BYRNE	IRL

50 M. FLY

28.09	MARJA PARSSINEN	FIN
29.67	CHIZUKO UMIGUCHI	JPN
29.74	JANNE KREUTER	DEN
30.18	CHRISTINE KOLLER	GER
30.23	INNA GLUSHENKO	UKR
30.31	PATRIZIA DURJAK	GER
30.39	PATRICIA BRITTO	BRA
30.60	CSILLA CSIKANY	HUN
30.77	INES HARTMANN	GER
30.80	NANCY DUNCAN	USA

100 M. FLY

1:05.13	CHIZUKO UMIGUCHI	JPN
1:07.13	PATRICIA BRITTO	BRA
1:07.24	DEBBIE GAUDIN	CAN
1:07.66	CHRISTINE KOLLER	GER
1:07.79	JENNIFER RIDGE	USA
1:07.88	YURIKA HIROSE	JPN
1:08.08	JULIA GORMAN	USA
1:08.57	PATRIZIA DURJAK	GER
1:08.97	SABINE SCHACKE	GER
1:09.07	CLAUDIA BROSIEN	GER

200 M. FLY

2:18.80	CHIZUKO UMIGUCHI	JPN
2:25.54	PATRICIA BRITTO	BRA
2:25.81	MOJCA CATER	USA
2:32.33	BIANCA STEINMETZ	GER
2:34.01	CLAUDIA BROSIEN	GER
2:34.69	SABINE SCHACKE	GER
2:38.11	INES HARTMANN	GER
2:39.07	NANCY NORTH	USA
2:39.47	LINDA VISSER	USA
2:39.56	K.CARROLL-BASSO	USA

200 M. I.M.

2:26.05	ELENA VOLPI	ITA
2:27.60	LISA SUMMERS	USA
2:30.90	JENNIFER RIDGE	USA
2:31.25	WENKE HANSEN	USA
2:34.76	SABINE SCHACKE	GER
2:35.04	INES HARTMANN	GER
2:35.21	KATHLEEN HARTNETT	USA
2:35.50	YURIKA HIROSE	JPN
2:35.67	IARA SCARPELLI	BRA
2:36.15	HELEN WALSH	USA

400 M. I.M.

5:16.50	LAUREL HILL	USA
5:17.40	LISA SUMMERS	USA
5:21.74	JENNIFER RIDGE	USA
5:26.20	INES HARTMANN	GER
5:28.91	HELEN WALSH	USA
5:31.31	V.ROMANENGHI	ITA
5:34.10	SABINE SCHACKE	GER
5:34.53	BIANCA STEINMETZ	GER
5:34.55	K.CARROLL-BASSO	USA
5:35.90	DONNA JOHNSON	USA

WOMEN 30-34

50 M. FREE

27.67	TRACIE MOLL	USA
27.79	ANNA PETTIS-SCOTT	USA
28.44	BARBARA ERNST	GER
28.59	JUNKO NAKANO	JPN
28.61	JENNIFER PEASLEY	USA
28.64	IRINEL SOPTIREAN	GER
28.79	S.REIBEL-OBERLE	GER
28.90	S.PHAF-VAN MINNEN	NED
28.96	LINDA HAUS	USA
28.96	JAMIE HERRINGTON	USA
28.96	CHANTAL ROULEAU	CAN

100 M. FREE

1:00.67	TRACIE MOLL	USA
1:01.90	CAROL OLSON	USA
1:02.12	S.REIBEL-OBERLE	GER
1:02.85	S.PHAF-VAN MINNEN	NED
1:02.98	MAIRKO SUDO	JPN
1:03.15	ANN CHRISTIANSEN	SWE
1:03.15	SOPHIE MONGINET	BRA
1:03.56	MARGARET KELLER	USA
1:03.59	ANGELIKA SCHULTE	GER
1:03.77	JANE KLEINE	USA

200 M. FREE

2:11.10	D.GRANER-GALLAS	USA
2:13.29	TRACIE MOLL	USA
2:15.94	JANE KLEINE	USA
2:17.75	S.REIBEL-OBERLE	GER
2:18.09	ANN CHRISTIANSEN	SWE
2:18.39	LENKA PACAKOVA	CZE
2:19.04	MARGARET KELLER	USA
2:19.33	TATIANA KALININA	RUS
2:19.37	ARLENE HOUSE	USA
2:20.50	ANGELIKA SCHULTE	GER

400 M. FREE

4:45.24	JANE KLEINE	USA
4:49.37	HIDEKA KOSHIMIZU	JPN
4:51.39	ANN CHRISTIANSEN	SWE
4:51.60	SUSIE DEVLIN	USA
4:55.10	MARGARET KELLER	USA
4:55.82	C.FANZERES	BRA
4:55.90	SOPHIE MONGINET	BRA
4:57.66	LENKA PACAKOVA	CZE
4:58.29	TRUDY WARREN	AUS
4:58.54	CAROL OLSON	USA

800 M. FREE

9:45.29	JANE KLEINE	USA
9:58.61	C.FANZERES	BRA
9:59.47	ANN CHRISTIANSEN	SWE
10:07.52	MARGARET KELLER	USA
10:16.03	D.TSCHACHSCHAL	GER
10:19.90	VIVIANA TARGA	ITA
10:20.79	ARLENE HOUSE	USA
10:21.73	JERRI FREIMUTH	USA
10:22.01	LENKA PACAKOVA	CZE
10:22.70	ELKE HAGEDORN	GER

1500 M. FREE

19:48.43	FRANCOISE THEATE	BEL
19:52.47	ARLENE HOUSE	USA
20:09.81	LISA SHEEPER	USA
20:13.41	ERICA KUIPER	NED
20:14.21	JERRI FREIMUTH	USA
20:37.73	K.VAN CAUTEREN	BEL
20:56.43	GINA MARIE GATTI	USA
20:59.24	MARCI STEELMAN	USA
21:01.04	M MICHEL	BEL
21:02.58	MARY ANDERS	USA

50 M. BACK

31.54	D.GRANER-GALLAS	USA
32.49	HEIKE DEURING	GER
32.61	KATALIN VIRAGH	HUN
32.63	LISA WARD	USA
32.86	HIROKO TAKUWA	JPN
33.51	LISE LOTHE	NOR
33.82	IRINEL SOPTIREAN	GER
33.86	SANDY COLBY	USA
33.91	JUNKO NAKANO	JPN
33.94	L PACAKOVA	CZE

100 M. BACK

1:07.93	D.GRANER-GALLAS	USA
1:10.74	HEIKE DEURING	GER
1:11.09	HIROKO TAKUWA	JPN
1:11.64	KATALIN VIRAGH	HUN
1:11.82	LISA WARD	USA
1:12.42	LISE LOTHE	NOR
1:12.53	DAWN HEWITT	USA
1:12.62	LENKA PACAKOVA	CZE
1:12.80	LINDA HAUS	USA
1:13.32	S.REIBEL-OBERLE	GER

200 M. BACK

2:24.45	D.GRANER-GALLAS	USA
2:33.14	HIDEKA KOSHIMIZU	JPN
2:34.56	DAWN HEWITT	USA
2:34.89	LISE LOTHE	NOR
2:35.45	LISA WARD	USA
2:36.61	HIROKO TAKUWA	JPN
2:37.80	KATHERINE VEALE	GBR
2:38.44	KATALIN VIRAGH	HUN
2:38.92	MASAMI HIGURASHI	JPN
2:38.95	LENKA PACAKOVA	CZE
2:38.95	MIKI NAMAI	JPN

50 M. BRST

36.46	FLAVIA PRADA	BRA
36.58	MO CHARLES	FRA
36.61	CAROL WEST	USA
36.79	BEVERLY LENSE	USA
36.86	MARTINA HOMEYER	GER
37.05	HILLARY SINGER	USA
37.13	HIDEKA KOSHIMIZU	JPN
37.13	IRINEL SOPTIREAN	GER
37.18	IRIS SCHLUTTER	GER
37.56	TOMOMI MIYAZONO	JPN

100 M. BRST

1:17.12	A.PAULA GONCALVES	BRA
1:19.72	MO CHARLES	FRA
1:20.42	CAROL WEST	USA
1:20.81	HIDEKA KOSHIMIZU	JPN
1:21.86	MARTINA HOMEYER	GER
1:22.04	BEVERLY LENSE	USA
1:22.13	KRISSY FERRY	USA
1:22.20	DANIELA DE PONTI	ITA
1:22.63	TOMOMI MIYAZONO	JPN
1:22.63	IRIS SCHLUTTER	GER

200 M. BRST

2:49.14	HIDEKA KOSHIMIZU	JPN
2:53.00	MARZENA KULIS	ITA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

2:56.45 MO CHARLES FRA
2:56.80 BEVERLY LENSE USA
2:57.01 TOMOMI MIYAZONO JPN
2:58.13 SUSANNE KUPER GER
2:59.66 MAUD ORLANDO USA
3:00.02 KRISSY FERRY USA
3:01.00 JERRI FREIMUTH USA
3:01.34 MARTINA HOMEYER GER

50 M. FLY

29.07 TRACIE MOLL USA
29.99 D.GRANER-GALLAS USA
30.41 JENNIFER PEASLEY USA
30.61 HIDEKA KOSHIMIZU JPN
30.67 HEIKE RUCKER GER
30.92 S.PHAF-VAN MINNEN NED
31.22 GABI SOMMER GER
31.28 S.REIBEL-OBERLE GER
31.36 DAWN HEWITT USA
31.36 HEIKE DEURING GER

100 M. FLY

1:06.01 TRACIE MOLL USA
1:07.02 D.GRANER-GALLAS USA
1:07.05 HIDEKA KOSHIMIZU JPN
1:08.25 HEIKE RUCKER GER
1:09.59 CAROL OLSON USA
1:09.75 INNA GOROSHKO UKR
1:10.10 DANIELA DE PONTI ITA
1:10.26 S.REIBEL-OBERLE GER
1:10.71 MARZENA KULIS ITA
1:11.10 CHANTAL LEMIEUX CAN

200 M. FLY

2:32.61 C.PIETERSE NED
2:35.91 HEIKE RUCKER GER
2:36.99 MARZENA KULIS ITA
2:37.29 MICHELLE HOJNACKI USA
2:40.33 LENE RODSHAGEN DEN
2:41.13 LIOR BIRKHAHN ISR
2:41.85 DAWN HEWITT USA
2:42.56 DANIELA THOMS GER
2:45.18 ALISON PEGG AUS
2:46.94 ARLENE HOUSE USA

200 M. I.M.

2:28.89 HIDEKA KOSHIMIZU JPN
2:34.07 GABY REHA-OTTKE GER
2:35.69 LISA WARD USA
2:37.31 INNA GOROSHKO UKR
2:37.85 C.ESCATLLAR ESP
2:38.35 S.REIBEL-OBERLE GER
2:39.25 SOPHIE MONGINET BRA
2:39.42 KATHERINE VEALE GBR
2:39.59 BRIDGET BLACK USA
2:40.03 L PACAKOVA CZE

400 M. I.M.

5:31.55 C.ESCATLLAR ESP
5:34.47 SOPHIE MONGINET BRA
5:39.96 HEIKE RUCKER GER
5:44.42 LISA WARD USA
5:45.75 MARTINA HOMEYER GER
5:46.39 SUSANNE KUPER GER
5:47.59 M. HOJNACKI USA
5:48.70 JENNIFER BROWN USA
5:50.57 MO CHARLES FRA
5:50.74 K.VAN CAUTEREN BEL

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

50 M. FREE

27.45 KARIN SEICK GER
27.49 K.PIPES-NEILSEN USA
27.79 ANNA PETTIS-SCOTT USA
28.40 LESLEIGH MAYES AUS
28.48 MARY ROEBUCK USA
28.52 BETH KNIGHT USA
28.55 NANCY RICHARDS AUS
28.64 CATHY SHONKWILER USA
28.68 BARBARA GERLLRICH GER
29.22 HEIDI STEINACHER AUT

100 M. FREE

59.21 K.PIPES-NEILSEN USA
1:00.21 KARIN SEICK GER
1:00.81 JILL HERNANDEZ USA
1:01.90 CAROL OLSON USA
1:02.28 MARY ROEBUCK USA
1:02.47 NANCY RICHARDS AUS
1:03.47 CATHY SHONKWILER USA
1:03.65 ROSEMARIE SEAMAN USA
1:03.71 BARBARA GELLRICH GER
1:03.85 JEANETTE BRITS AUS

200 M. FREE

2:06.94 K.PIPES-NEILSEN USA
2:11.63 JILL HERNANDEZ USA
2:13.85 LAURIE VIDAL USA
2:13.98 MARY ROEBUCK USA
2:15.00 KELLY PARKER USA
2:16.83 LYNN MARSHALL CAN
2:17.82 MARGEE CURRAN USA
2:18.58 JEANETTE BRITS AUS
2:18.71 BARBARA GELLRICH GER
2:19.37 ARLENE HOUSE USA

400 M. FREE

4:26.17 K.PIPES-NEILSEN USA
4:39.81 JUNE FORD USA
4:40.38 JILL HERNANDEZ USA
4:41.82 LAURIE VIDAL USA
4:41.89 PENNY BOND AUS
4:43.62 KELLY PARKER USA
4:43.74 MARY ROEBUCK USA
4:45.44 SUZANNE HEIM USA
4:48.35 LYNN MARSHALL CAN
4:49.12 MARGEE CURRAN USA

800 M. FREE

9:16.20 K.PIPES-NEILSEN USA
9:29.61 PENNY BOND AUS
9:35.04 JUNE FORD USA
9:43.55 LAURIE VIDAL USA
9:46.55 MARY ROEBUCK USA
9:49.08 KELLY PARKER USA
9:49.43 SUZANNE HEIM USA
9:55.60 ROSELI SILVA BRA
10:01.22 MARGUERITE MEYER USA
10:19.05 ESTHER ISEPPI SUI

1500 M. FREE

18:01.81 K.PIPES-NEILSEN USA
18:29.14 PENNY BOND AUS
18:37.69 KELLY PARKER USA
19:21.52 MARGUERITE MEYER USA
19:52.47 ARLENE HOUSE USA
19:58.00 NANCY ROSE USA
20:09.00 KAREN WOOD AUS
20:11.69 HEIDI CHRISTENSEN USA
20:14.32 KERRI CULBERTSON USA
20:23.75 PENNY BATES USA

50 M. BACK

31.83 K.PIPES-NEILSEN USA
33.47 AROMA MARTORELL BRA
34.04 CATHY SHONKWILER USA
34.17 CLAUDIA LIPSKI GER
34.30 S.FELGENTRAGER GER
34.31 LAURIE VIDAL USA
34.39 ANITA ZINGG SUI
34.49 MIYUKI UMEDA JPN
35.11 E BEUCHER FEZARD FRA
35.14 IRINA NETCHAEVA RUS

100 M. BACK

1:05.41 K.PIPES-NEILSEN USA
1:10.83 LAURIE VIDAL USA
1:15.08 TERRI NATALI USA
1:15.36 AROMA MARTORELL BRA
1:15.55 ANITA ZINGG SUI
1:16.06 LYNN MARSHALL CAN
1:16.08 DEBRA RIKER GBR
1:16.64 CATHY SHONKWILER USA
1:16.68 ANNA PETTIS-SCOTT USA
1:16.89 E BEUCHER FEZARD FRA

200 M. BACK

2:18.20 K.PIPES-NEILSEN USA
2:40.45 DEBRA RIKER GBR
2:41.88 AROMA MARTORELL BRA
2:41.98 LESLEY WILDE GBR
2:43.21 ROBIN KLESTINEC USA
2:44.14 ANITA ZINGG SUI
2:44.78 ANDREA WULF GER
2:45.10 TERRI NATALI USA
2:45.90 JACQUELINE GRACE GBR
2:46.49 UTE CIMDINS GER

50 M. BRST

35.72 DAGMAR HILBIG GER
35.81 K.PIPES-NEILSEN USA
36.95 ROSEMARIE SEAMAN USA
37.46 BRITTA ROLLERI GER
37.74 MAUD ORLANDO USA
37.83 BARBARA GELLRICH GER
37.88 KRISSY FERRY USA
38.19 ILVA TARTARINI ITA
38.20 SABINE PENZEL GER
38.25 MARCIA NADAY BRA

100 M. BRST

1:18.67 DAGMAR HILBIG GER
1:19.42 K.PIPES-NEILSEN USA
1:21.75 SUE STURROCK AUS
1:22.13 KRISSY FERRY USA
1:23.60 MARCIA NADAY BRA
1:23.69 MAUD ORLANDO USA
1:24.20 CLAUDIA LIPSKI GER
1:24.30 SILKE GOEDDE GER
1:24.62 ELAINE LUFF GBR
1:24.68 HIROKO ISHII JPN

200 M. BRST

2:51.46 DAGMAR HILBIG GER
2:52.25 K.PIPES-NEILSEN USA
2:57.62 HIROKO ISHII JPN
2:57.87 SILKE GOEDDE GER
2:58.19 SUE STURROCK AUS
2:58.66 BRITTA OLSCHOWKA GER
2:59.66 MAUD ORLANDO USA
3:01.46 KRISSY FERRY USA
3:01.46 MARCIA NADAY BRA
3:02.11 EILEEN WALL USA

50 M. FLY

29.77 K.PIPES-NEILSEN USA
30.11 NANCY RICHARDS AUS
30.18 DONNA O'DONNELL AUS
30.25 BARBARA GERLLRICH GER
30.53 KATHY SHIPMAN USA
30.58 ROSEMARIE SEAMAN USA
31.20 CATHY SHONKWILER USA
31.22 TERRI NATALI USA
31.24 MARIE SADLER GBR
31.51 CAROL OLSON USA

100 M. FLY

1:04.89 K.PIPES-NEILSEN USA
1:07.98 JILL HERNANDEZ USA
1:08.35 JUNE FORD USA
1:08.42 BARBARA GERLLRICH GER
1:09.12 NANCY RICHARDS AUS
1:09.59 CAROL OLSON USA
1:10.20 ROSEMARIE SEAMAN USA
1:10.28 BEATRIZ DA SILVA BRA
1:10.84 TERRI NATALI USA
1:10.89 JEANETTE BRITS AUS

200 M. FLY

2:20.21 K.PIPES-NEILSEN USA
2:29.03 JUNE FORD USA
2:31.22 BEATRIZ DA SILVA BRA
2:33.70 BARBARA GERLLRICH GER
2:34.98 JILL HERNANDEZ USA
2:36.26 PENNY BOND AUS
2:38.06 RENATE CHRIST GER
2:40.55 JENNIFER ARDOLINO USA
2:41.13 ROBIN KLESTINEC USA
2:41.45 ESTHER ISEPPI SUI

200 M. I.M.

2:22.42 K.PIPES-NEILSEN USA
2:31.22 JILL HERNANDEZ USA
2:33.35 LAURIE VIDAL USA
2:35.40 JUNE FORD USA
2:38.23 BARBARA GERLLRICH GER
2:38.57 LYNN MARSHALL CAN
2:40.06 CAROL OLSON USA
2:40.63 PENNY BOND AUS
2:42.12 JENNIFER ARDOLINO USA
2:42.21 ROSEMARIE SEAMAN USA

400 M. I.M.

5:07.21 K.PIPES-NEILSEN USA
5:24.81 JUNE FORD USA
5:25.60 JILL HERNANDEZ USA
5:28.89 LAURIE VIDAL USA
5:30.71 PENNY BOND AUS
5:41.48 BEATRIZ SILVA BRA
5:43.73 ESTHER ISEPPI SUI
5:45.05 INEKE HOND NED
5:48.97 ROSELI SILVA BRA
5:51.21 RENATE CHRIST GER

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

50 M. FREE

27.70 S.NEILSON-BELL USA
28.46 G.BERGER TALOCHIN FRA
28.66 JACKI HIRSTY USA
29.20 PAM DRAFTS USA
29.42 KARLENE WISE USA
29.57 S LE NOACH BOZON FRA
29.63 THERESA VILLA USA
29.67 D KRISEL FRA
30.04 DANIELLE OGIER USA
30.06 ALISON NYE GBR

100 M. FREE

1:01.22 S.NEILSON-BELL USA
1:01.55 BERGER TALOCHINO FRA
1:03.19 JACKI HIRSTY USA
1:03.65 ROSEMARIE SEAMAN USA
1:04.58 DANIELLE OGIER USA
1:05.47 THERESA VILLA USA
1:05.55 BARBARA CROWDER USA
1:05.59 KARLENE WISE USA
1:05.65 S LE NOACH BOZON FRA
1:06.13 KARIN MILGER GER

200 M. FREE

2:17.27 S.NEILSON-BELL USA
2:19.96 DANIELLE OGIER USA
2:20.56 BERGER TALOCHINO FRA
2:21.02 JACKI HIRSTY USA
2:23.40 BARBARA CROWDER USA
2:24.50 SUSAN SKIFF USA
2:25.35 SUE KEARNEY AUS
2:25.51 KARIN MILGER GER
2:27.74 KUCHENBUCH-SCHIPP GER
2:28.32 JEAN SPINELLI USA

400 M. FREE

5:01.69 DANIELLE OGIER USA
5:02.72 GLENISE GALE AUS
5:03.41 BARBARA CROWDER USA
5:03.80 SUSAN SKIFF USA
5:04.57 JACKI HIRSTY USA
5:05.32 SUE KEARNEY AUS
5:09.05 KUCHENBACH-SCHIPP GER
5:11.58 KAREN SULLIVAN USA
5:13.29 S.NEILSON-BELL USA
5:14.49 KARIN MILGER GER

800 M. FREE

10:22.65 GLENISE GALE AUS
10:28.22 S.NEILSON-BELL USA
10:29.97 KAREN SULLIVAN USA
10:30.56 JACKI HIRSTY USA
10:34.67 KUCHENBUCH-SCHIPP GER
10:44.84 LAURA VACA MEX
10:49.51 SUE KEARNEY AUS
10:51.11 WANDA BROWN USA
10:57.06 KARIN MILGER GER
11:04.66 DENISE EVERITT USA

1500 M. FREE

20:16.22 DANIELLE OGIER USA
20:30.28 WANDA BROWN USA
20:32.69 SUE KEARNEY AUS
20:38.31 JANE BURKS USA
20:57.21 KARLENE WISE USA
21:02.44 MARY SWEAT USA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

21:08.34 TRACY GRILLI USA
21:26.69 JULIA ALLSTON AUS
21:27.82 N.STEADMAN-MARTIN USA
21:43.80 JOANN HARRELSON USA

50 M. BACK

34.97 KARLENE WISE USA
35.25 S.NEILSON-BELL USA
35.85 DEE SHEEHAN IRL
35.86 NAOMI HEIMBACH JPN
35.89 BARBARA STUBBE GER
35.96 LESLIE ULEN USA
36.00 THERESA VILLA USA
36.08 ANN GUINS USA
36.12 IRIS MEIER GER
36.30 VERA PREISLEROVA CZE

100 M. BACK

1:17.21 KARLENE WISE USA
1:17.86 S.NEILSON-BELL USA
1:17.88 LESLIE ULEN USA
1:19.09 BARBARA STUBBE GER
1:19.47 DEBBIE LANCASTER NZL
1:19.94 CHARLENE O'BRIEN USA
1:20.33 N.STEADMAN-MARTIN USA
1:20.62 IRIS MEIER GER
1:20.85 BARBIE TIMMER GER
1:20.97 SWICZINSKY-KORDES GER

200 M. BACK

2:47.21 KAREN SULLIVAN USA
2:51.64 BARBARA STUBBE GER
2:51.86 LESLIE ULEN USA
2:52.46 IRIS MEIER GER
2:53.05 DEBBIE LANCASTER NZL
2:53.51 N.STEADMAN-MARTIN USA
2:54.81 MARY CURL USA
2:54.98 CHARLENE O'BRIEN USA
2:55.32 DEE SHEEHAN IRL
2:56.89 KARLENE WISE USA

50 M. BRST

36.95 ROSEMARIE SEAMAN USA
37.05 NAOMI HEIMBACH JPN
37.20 ALISON NYE GBR
37.61 JULIE LOWE GBR
37.93 LISA BENNETT USA
38.37 MONIKA HERMANNS GER
38.47 JUDY TIBMA USA
38.57 ULRIKE URBANIAK GER
38.65 DANIELLE OGIER USA
38.86 DAGMAR FRESE GER

100 M. BRST

1:23.37 ULRIKE URBANIAK GER
1:23.98 ALISON NYE GBR
1:24.05 AMANDA HEATH GBR
1:24.14 DAGMAR FRESE GER
1:24.69 LISA BENNETT USA
1:24.91 JUDY TIBMA USA
1:25.10 GLENISE GALE AUS
1:25.23 PETRA SCHROER GER
1:25.36 ROSEMARIE SEAMAN USA
1:26.16 MONIKA HERMANNS GER

200 M. BRST

2:58.16 ULRIKE URBANIAK GER
3:00.26 AMANDA HEATH GBR
3:01.48 GLENISE GALE AUS
3:04.02 JUDY TIBMA USA
3:06.89 AVILA RHODES CAN
3:06.98 LISA BENNETT USA
3:07.56 PETRA SCHROER GER
3:08.53 DAGMAR FRESE GER
3:09.39 DANIELLE OGIER USA
3:09.92 JENNIFER NOONAN AUS

50 M. FLY

30.58 ROSEMARIE SEAMAN USA
30.78 S.NEILSON-BELL USA
31.43 ANGELA ZINGLER GER
31.44 THERESA VILLA USA
31.95 RUHLAND-VORNDRAN GER
32.19 BARBARA CROWDER USA
32.52 KARLENE WISE USA
32.60 ALISON NYE GBR
32.63 HARUMI SUGINUMA JPN
32.72 JACKI HIRSTY USA

100 M. FLY

1:10.20 ROSEMARIE SEAMAN USA
1:11.47 S.NEILSON-BELL USA
1:11.53 THERESA VILLA USA
1:12.67 DEBBIE FLANSBURG USA
1:13.71 BARBARA CROWDER USA
1:14.13 SUSAN SKIFF USA
1:14.95 DANIELLE OGIER USA
1:15.69 KAREN SULLIVAN USA
1:15.85 SALLY MILLS GBR
1:15.92 AMANDA HEATH GBR

200 M. FLY

2:39.68 DEBBIE FLANSBURG USA
2:42.00 SUSAN SKIFF USA
2:44.61 KAREN SULLIVAN USA
2:54.52 THERESA VILLA USA
2:54.58 SALLY DIANE MILLS GBR
2:56.72 N.STEADMAN-MARTIN USA
2:57.32 HARUMI SUGINUMA JPN
2:58.06 AMANDA HEATH GBR
2:58.30 GUDRUN VOLLSTADT GER
2:58.79 KARIN MILGER GER

200 M. I.M.

2:38.48 S.NEILSON-BELL USA
2:40.28 DANIELLE OGIER USA
2:42.21 ROSEMARIE SEAMAN USA
2:44.26 BARBARA CROWDER USA
2:48.52 THERESA VILLA USA
2:48.61 KAREN SULLIVAN USA
2:49.05 AMANDA HEATH GBR
2:50.06 ALISON NYE GBR
2:50.21 KARIN MILGER GER
2:50.42 GLENISE GALE AUS

400 M. I.M.

5:48.81 DANIELLE OGIER USA
5:52.66 S.NEILSON-BELL USA
5:53.57 KAREN SULLIVAN USA
5:57.73 GLENISE GALE AUS
6:03.24 AMANDA HEATH GBR
6:03.32 LAURA VACA MEX
6:08.23 KARIN MILGER GER
6:15.27 KARLENE WISE USA
6:17.21 JOANN HARRELSON USA
6:17.21 GUDRUN VOLLSTADT GER

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

50 M. FREE

28.57 LAURA VAL USA
28.66 JACKI HIRSTY USA
28.99 MAGDA PATOH HUN
29.37 CONNY BOER-BUYS NED
30.77 C.NIEUWENHUIS NED
30.93 DENISE KIRWAN USA
31.05 CONSOELO GRATER GER
31.12 BONNIE ADAIR USA
31.41 F.WILLIAMSON USA
31.46 BENEDICTE DUPREZ FRA

100 M. FREE

1:02.78 LAURA VAL USA
1:03.19 JACKI HIRSTY USA
1:05.66 CONNY BOER-BUYS NED
1:06.74 SUSAN HALFACRE USA
1:06.79 CELESTE MILLER USA
1:08.16 CONSOELO GRATER GER
1:08.17 CLAUDIA KOCH GER
1:08.27 CATHY MERRITT CAN
1:08.42 F.WILLIAMSON USA
1:08.74 C.NIEUWENHUIS NED

200 M. FREE

2:21.02 JACKI HIRSTY USA
2:22.92 CELESTE MILLER USA
2:23.98 DANIELLE OGIER USA
2:24.47 SUSAN HALFACRE USA
2:26.83 CONNY BOER-BUYS NED
2:28.06 BARBARA DUNBAR USA
2:30.62 DEB WALKER USA
2:32.05 CONSOELO GRATER GER
2:34.26 F.WILLIAMSON USA
2:34.63 CLAUDIA KOCH GER

400 M. FREE

4:56.06 LAURA VAL USA
4:56.86 DANIELLE OGIER USA
5:02.40 CELESTE MILLER USA
5:04.57 JACKI HIRSTY USA
5:07.04 BARBARA DUNBAR USA
5:07.09 SUSAN HALFACRE USA
5:16.82 DIANNE FOSTER CAN
5:27.63 DENISE EVERITT USA
5:30.23 F.WILLIAMSON USA
5:31.82 CATHY MERRITT CAN

800 M. FREE

10:24.50 CELESTE MILLER USA
10:25.42 DANIELLE OGIER USA
10:30.56 JACKI HIRSTY USA
10:31.24 BARBARA DUNBAR USA
10:39.38 SUSAN HALFACRE USA
10:48.46 DIANNE FOSTER CAN
11:02.41 NANCY FISHER USA
11:04.66 DENISE EVERITT USA
11:18.04 TERRY GAULT USA
11:21.18 BONNIE KESTNER USA

1500 M. FREE

20:05.63 BARBARA DUNBAR USA
20:33.72 NANCY FISHER USA
20:37.04 SUSAN HALFACRE USA
21:09.55 P.KAWAKAMI USA
21:42.16 SHERRY KITTRELL USA
21:48.63 F.WILLIAMSON USA
22:08.01 LORRAINE KENT NZL
22:09.46 J.WATTENBARGER USA
22:33.31 MARCIA BARRY USA
22:34.93 LAURIE GRUBBS USA

50 M. BACK

32.93 LAURA VAL USA
34.41 BENEDICTE DUPREZ FRA
35.71 EVELYN LYNCH USA
35.73 MICHIKO KIHARA JPN
36.36 KIMIKO ENOMOTO JPN
36.48 SUSAN HALFACRE USA
36.84 DENISE KIRWAN USA
36.97 BONNIE ADAIR USA
37.05 YOKO NAKAMURA JPN
37.26 ANNE CORK GBR

100 M. BACK

1:12.70 LAURA VAL USA
1:15.59 BENEDICTE DUPREZ FRA
1:17.61 EVELYN LYNCH USA
1:19.75 DENISE KIRWAN USA
1:20.88 MARILYN EARP AUS
1:21.61 SUSAN HALFACRE USA
1:21.99 TAKAKO NAKAHARA JPN
1:22.15 DEB WALKER USA
1:22.53 ANNE CORK GBR
1:22.58 BONNIE KESTNER USA

200 M. BACK

2:46.29 BENEDICTE DUPREZ FRA
2:51.78 DENISE KIRWAN USA
2:52.81 EVELYN LYNCH USA
2:55.35 ANNE CORK GBR
2:55.50 TAKAKO NAKAHARA JPN
2:56.14 BONNIE KESTNER USA
2:56.17 MARILYN EARP AUS
2:59.92 DIANNE FOSTER CAN
3:01.74 JONELLE SCHMIDT USA
3:05.01 RUTH SHAPS USA

50 M. BRST

38.39 BEA POOL NED
38.67 DEB WALKER USA
39.21 A.WRIGHT-BELKNAP USA
39.37 CHRISTIANE HEEREN GER
39.85 BRIGITTE KUHL GER
39.85 KRISSY MACCURDY USA
40.09 REGULA STEIGER SUI
40.28 SUSAN HARBOTTLE AUS
40.44 CATHY MERRITT CAN
40.58 MARY LIOTTA USA

100 M. BRST

1:23.94 DEB WALKER USA
1:26.60 CHRISTIANE HEEREN GER
1:27.62 KRISSY MACCURDY USA
1:28.12 BEA POOL NED
1:29.15 JENNIFER MERRITT GBR
1:29.61 A.WRIGHT-BELKNAP USA
1:29.86 ELIZABETH CUTTER USA
1:29.93 CLAUDIA KOCH GER
1:30.16 BRENDA CASEY AUS
1:30.39 ELIANA MACIA BRA

200 M. BRST

3:01.69 DEB WALKER USA
3:07.36 DANIELLE OGIER USA
3:07.47 CHRISTIANE HEEREN GER
3:11.10 JENNIFER MERRITT GBR
3:14.45 KRISSY MACCURDY USA
3:15.40 BRENDA CASEY AUS
3:15.56 S.MORCHE-BLOCH GER
3:15.99 BEA POOL NED
3:18.77 YOLANDE DUBUISSON BEL
3:18.93 CLAUDIA KOCH GER

50 M. FLY

31.47 LAURA VAL USA
31.88 CONNY BOER-BUYS NED
32.49 SUSAN HALFACRE USA
32.72 JACKI HIRSTY USA
32.74 CONSOELO GRATER GER
33.02 CLAUDIA KOCH GER
33.39 KATHY KELLY USA
33.47 C.NIEUWENHUIS NED
33.99 REGULA STEIGER SUI
34.27 BONNIE ADAIR USA

100 M. FLY

1:09.64 LAURA VAL USA
1:14.32 CONNY BOER-BUYS NED
1:14.42 CLAUDIA KOCH GER
1:16.97 KRISSY MACCURDY USA
1:17.60 BARBARA DUNBAR USA
1:18.73 MARILYN EARP AUS
1:19.15 DENISE EVERITT USA
1:22.38 C.NIEUWENHUIS NED
1:22.95 CHERYL FITZGERALD USA
1:23.02 SCHEIDEGGER-KUNZ SUI

200 M. FLY

2:43.94 BARBARA DUNBAR USA
2:57.50 CLAUDIA KOCH GER
2:58.81 DENISE EVERITT USA
3:01.19 TERRY GAULT USA
3:03.36 S.MORCHE-BLOCH GER
3:04.29 SUSAN CURE AUS
3:06.81 BONNIE KESTNER USA
3:09.28 CHERYL FITZGERALD USA
3:12.15 SANDRA BRAY NZL
3:14.92 P.KAWAKAMI USA

200 M. I.M.

2:40.95 LAURA VAL USA
2:42.01 DANIELLE OGIER USA
2:46.03 DEB WALKER USA
2:51.37 CELESTE MILLER USA
2:53.13 EVELYN LYNCH USA
2:53.47 CONSOELO GRATER GER
2:54.74 JONELLE SCHMIDT USA
2:55.30 KRISSY MACCURDY USA
2:55.91 DENISE KIRWAN USA
2:57.03 BARBARA DUNBAR USA

400 M. I.M.

5:45.85 DANIELLE OGIER USA
5:48.29 LAURA VAL USA
6:03.43 BARBARA DUNBAR USA
6:19.39 BONNIE KESTNER USA
6:20.05 CLAUDIA KOCH GER
6:22.75 DENISE EVERITT USA
6:22.75 KRISSY MACCURDY USA
6:29.93 SUSAN CURE AUS
6:30.80 TAKAKO NAKAHARA JPN
6:34.69 P.KAWAKAMI USA

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WOMEN 50-54
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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

50 M. FREE

30.50	FRANCES VERMEULEN	AUS
30.51	JENNIFER GRACE	AUS
31.18	CAROL FELLOWS	GBR
32.04	JUDY WILSON	GBR
32.15	BRIGITTE MERTEN	GER
32.51	JEN THOMASSON	AUS
32.75	JAN MACLEOD	AUS
33.14	LINDA MCHENRY	USA
33.18	LINDY KENNIWELL	AUS
33.21	ARJA MIETTINEN	FIN

100 M. FREE

1:08.54	CAROL FELLOWS	GBR
1:10.26	BRIGITTE MERTEN	GER
1:13.89	LINDA MCHENRY	USA
1:14.02	JEN THOMASSON	AUS
1:14.05	SALLY DILLON	USA
1:14.68	RUTH BENNETT	USA
1:15.14	ARJA MIETTINEN	FIN
1:16.02	BITTE AXLING	SWE
1:16.03	LINDY KENNIWELL	AUS
1:16.07	GEORGINA LOPEZ	MEX

200 M. FREE

2:34.77	BRIGITTE MERTEN	GER
2:38.15	JEN THOMASSON	AUS
2:38.45	ANNE GRAMS	USA
2:39.89	JACKIE MARR	USA
2:41.21	SALLY DILLON	USA
2:44.01	KATHY HYDE	NZL
2:46.85	JUDY WILSON	GBR
2:47.59	LYNN CARTEE	USA
2:48.45	ARJA MIETTINEN	FIN
2:50.83	JUDY ALDEN	GBR

400 M. FREE

5:34.84	JEN THOMASSON	AUS
5:38.06	SUSANA BARKLEY	ESP
5:47.91	ANNE GRAMS	USA
5:53.74	SALLY DILLON	USA
5:54.13	BERNICE WILKINS	GBR
5:56.96	JACKIE MARR	USA
6:04.21	LYNN CARTEE	USA
6:06.20	RUTH BENNETT	USA
6:06.51	M.SHEPHERD	SWE
6:10.33	ROBYN EAST	NZL

800 M. FREE

12:10.47	SALLY DILLON	USA
12:18.75	MARY POHLMANN	USA
12:24.24	BERNICE WILKINS	GBR
12:34.40	ROBYN EAST	NZL
12:34.92	LILIAN MORAES	BRA
12:39.85	ROSA NORRIDGE	GBR
12:43.21	M.SHEPHERD	SWE
12:44.28	PENNY SALMOND	NZL
12:48.10	ARJA MIETTINEN	FIN
12:53.47	VICKI BUCCINO	USA

1500 M. FREE

23:59.24	ROBYN EAST	NZL
25:16.07	VICKI BUCCINO	USA
25:32.08	SUSAN ALLEN	USA
25:43.73	GINGER PIERSON	USA
26:54.60	LESLEY PARKIN	NZL
27:04.19	PAMELA HIMSTREET	USA
27:36.86	BIFF GRINDLEY	AUS
27:37.84	TRISH LEWIS	USA
27:44.14	LOIS GOODMAN	USA
27:46.05	JAN BARNES	AUS

50 M. BACK

37.48	CAROL FELLOWS	GBR
38.12	JENNIFER GRACE	AUS
38.82	BRIGITTE MERTEN	GER
39.04	JEANNIE MITCHELL	USA
39.64	BETTY BENNETT	USA
39.79	MARTA EGERVARY	HUN
39.86	C.SOPTERIAN	GER
39.97	BITTE AXLING	SWE
40.36	GISELA CSEKO	AUT
40.63	SARKA FRIDRICHOVA	CZE

100 M. BACK

1:23.06	BRIGITTE MERTEN	GER
1:23.79	CAROL FELLOWS	GBR
1:26.08	JEANNIE MITCHELL	USA
1:26.81	BETTY BENNETT	USA
1:26.82	BERNICE WILKINS	GBR
1:28.09	JEN THOMASSON	AUS
1:28.25	MARY POHLMANN	USA
1:29.68	JACKIE MARR	USA
1:29.74	JENNY BAETEN	BEL
1:30.78	C.SOPTERIAN	GER

200 M. BACK

2:59.25	BRIGITTE MERTEN	GER
3:05.68	JEN THOMASSON	AUS
3:07.83	MARY POHLMANN	USA
3:08.83	BETTY BENNETT	USA
3:09.31	BERNICE WILKINS	GBR
3:12.57	JEANNIE MITCHELL	USA
3:13.51	JACKIE MARR	USA
3:14.08	JENNY BAETEN	BEL
3:17.01	IMOLA HIKADE	HUN
3:18.36	SUSAN BRESLIN	GBR

50 M. BRST

38.04	JAN MACLEOD	AUS
39.87	EMMA GIER	GER
41.02	ELAINE BROMWICH	USA
41.07	GINGER PIERSON	USA
41.73	VLASTA OEHL	GER
41.73	P.HARRINGTON	GBR
42.36	KAYAKO HIROSE	JPN
42.80	TERRY BOURKE	AUS
42.82	LYNN CARTEE	USA
42.88	TERESA ROZANSKA	POL

100 M. BRST

1:29.77	JAN MACLEOD	AUS
1:30.26	P.HARRINGTON	GBR
1:30.44	ELAINE BROMWICH	USA
1:32.54	VLASTA OEHL	GER
1:32.58	GINGER PIERSON	USA
1:32.59	DIANE FORD	GBR
1:33.32	STELA HOLDSHTEIN	ISR
1:33.70	KAYAKO HIROSE	JPN
1:34.80	DANA REIMOVA	ITA
1:35.40	CHRISTINE CLUM	USA

200 M. BRST

3:14.27	P.HARRINGTON	GBR
3:16.47	ELAINE BROMWICH	USA
3:20.43	DIANE FORD	GBR
3:22.70	STELA HOLDSHTEIN	ISR
3:22.70	VLASTA OEHL	GER
3:24.68	GINGER PIERSON	USA
3:25.30	MARGOT PETTIJOHN	USA
3:26.05	MISAKO ISHII	JPN
3:26.14	ANNEGRET VOLCKER	GER
3:26.89	URSULA BONGARTZ	GER

50 M. FLY

33.78	CAROL FELLOWS	GBR
33.82	JUDY WILSON	GBR
34.38	SUSANA BARKLEY	ESP
34.53	FRANCES VERMEULEN	AUS
34.64	BRIGITTE MERTEN	GER
35.37	JAN MACLEOD	AUS
35.45	ANNE GRAMS	USA
36.86	HARRIET BURE	SWE
37.16	CLAUDIA LAMERS	GER
37.28	JENNIFER GRACE	AUS

100 M. FLY

1:18.98	ANNE GRAMS	USA
1:20.38	SUSANA BARKLEY	ESP
1:20.97	BRIGITTE MERTEN	GER
1:23.29	JUDY WILSON	GBR
1:26.09	BERNICE WILKINS	GBR
1:29.11	CLAUDIA LAMERS	GER
1:29.76	LILIAN MORAES	BRA
1:32.24	JACKIE MARR	USA
1:32.57	HARRIET BURE	SWE
1:33.28	GINGER PIERSON	USA

200 M. FLY

3:02.66	BRIGITTE MERTEN	GER
3:12.26	ANNE GRAMS	USA
3:21.37	LILIAN MORAES	BRA
3:23.43	JACKIE MARR	USA
3:23.78	GINGER PIERSON	USA
3:32.53	ANNEGRET VOLCKER	GER
3:34.26	ELAINE BROMWICH	USA
3:36.60	BARBARA LARSEN	USA
3:37.37	NOBUYO KITAGAWA	JPN
3:40.21	EMIKO OYA	JPN

200 M. I.M.

2:52.63	BRIGITTE MERTEN	GER
3:04.73	ANNE GRAMS	USA
3:06.34	KATHY HYDE	NZL
3:10.15	P.HARRINGTON	GBR
3:11.54	JACKIE MARR	USA
3:12.79	BETTY BENNETT	USA
3:13.01	LYNN CARTEE	USA
3:14.87	CHRISTEL HORNBERG	GER
3:16.24	GINGER PIERSON	USA
3:16.46	ALICE ZABUDSKY	USA

400 M. I.M.

6:12.55	BRIGITTE MERTEN	GER
6:36.56	JACKIE MARR	USA
6:51.88	ELAINE BROMWICH	USA
7:05.54	LYNN CARTEE	USA
7:07.52	ANNEGRET VOLCKER	GER
7:09.59	M.DI-CESARE	NZL
7:09.86	GINGER PIERSON	USA
7:15.49	MARGOT PETTIJOHN	USA
7:15.58	NOBUYO KITAGAWA	JPN
7:25.73	JANE KATZ	USA

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WOMEN 55-59

****

50 M. FREE

30.83	ARDETH MUELLER	USA
31.54	NANCY RIDOUT	USA
33.09	CLAIRE O'DWYER	IRL
33.18	CHRISTEL SCHULZ	GER
33.42	YOSHIKO OSAKI	JPN
34.41	HIROMI SATO	JPN
34.47	SILVANA ABREU	BRA
34.54	JAYNE LAMBKE	USA
34.72	BARBARA FRID	USA
34.95	MONIKA SENFTLEBEN	GER
34.95	NORIKO AWAZAWA	JPN

100 M. FREE

1:11.18	ARDETH MUELLER	USA
1:11.64	NANCY RIDOUT	USA
1:13.49	YOSHIKO OSAKI	JPN
1:14.41	CHRISTEL SCHULZ	GER
1:14.58	CLAIRE O'DWYER	IRL
1:15.16	SILVANA ABREU	BRA
1:18.69	JAYNE LAMBKE	USA
1:18.83	PENNY WEBSTER	GBR
1:19.30	ANNE KREISEL	GER
1:19.48	MARIA COSTA	BRA
1:19.48	M.HELENA PADILLA	BRA

200 M. FREE

2:34.88	ARDETH MUELLER	USA
2:41.39	NANCY RIDOUT	USA
2:41.44	SILVANA ABREU	BRA
2:41.44	YOSHIKO OSAKI	JPN
2:49.99	PENNY WEBSTER	GBR
2:53.17	J.V.BERKEL.DENIJS	NED
2:54.79	MARGA SCHULZE	GER
2:55.38	GORDON-FAIRHURST	GBR
2:55.70	JAYNE LAMBKE	USA
2:55.86	ANNE KREISEL	GER

400 M. FREE

5:25.59	ARDETH MUELLER	USA
5:45.10	YOSHIKO OSAKI	JPN
5:50.38	NANCY RIDOUT	USA
6:02.30	PENNY WEBSTER	GBR
6:08.02	J.V.BERKEL-DEJIJS	NED
6:08.33	EDNA DE SARACHO	MEX
6:11.72	REIKO ISHIZAKI	JPN
6:13.66	ANNE KREISEL	GER
6:14.09	HANNELORE ROSE	GER
6:14.88	GORDON-FAIRHURST	GBR

800 M. FREE

11:15.07	ARDETH MUELLER	USA
12:21.88	PENNY WEBSTER	GBR
12:23.34	SARAH BROUGHER	USA
12:34.05	NANCY RIDOUT	USA
12:42.38	HANNELORE ROSE	GER
12:42.98	ANNE KREISEL	GER
12:43.37	J.V.BERKEL.DENIJS	NED
12:49.79	REIKO ISHIZAKI	JPN
12:51.56	EDNA DE SARACHO	MEX
12:54.46	D.GORDON-FAIRHURS	GBR

1500 M. FREE

21:09.91	ARDETH MUELLER	USA
24:22.10	BARBARA FRID	USA
24:35.10	CAROL JEWELL	USA
25:05.05	SUSAN BRADLEY-COX	USA
25:08.15	JAYNE LAMBKE	USA
26:21.03	JUNE FLETCHER	AUS
26:23.51	BARBARA ZAREMSKI	USA
26:34.95	C.SCHREIBER	GER
26:58.32	LYNNE LUND	USA
27:21.39	ELIZABETH JOHNSON	USA

50 M. BACK

37.02	HIROMI SATO	JPN
37.03	SILVANA ABREU	BRA
37.63	MARGARET WILDING	GBR
39.28	BONNIE PRONK	CAN
39.63	HERILENE FREITAS	BRA
39.64	IRVENIA PRADA	BRA
40.40	CHRISTEL SCHULZ	GER
41.36	BARBARA FRID	USA
41.99	M.HELENA PADILLA	BRA
42.24	HEATHER JONES	AUS

100 M. BACK

1:19.65	SATOKO TAKEUJI	JPN
1:24.48	SILVANA ABREU	BRA
1:25.22	BONNIE PRONK	CAN
1:25.86	MARGARET WILDING	GBR
1:32.66	BARBARA FRID	USA
1:32.82	CHRISTEL SCHULZ	GER
1:33.65	JV BERKEL-DE NIJS	NED
1:33.88	HEIDI GUHL	GER
1:34.06	M.HELENA PADILLA	BRA
1:35.04	BETSY DURRANT	USA

200 M. BACK

2:56.13	SATOKO TAKEUJI	JPN
3:04.34	SILVANA ABREU	BRA
3:05.66	BONNIE PRONK	CAN
3:09.01	MARGARET WILDING	GBR
3:16.32	SARAH BROUGHER	USA
3:20.11	J.V.BERKEL.DENIJS	NED
3:22.66	BETSY DURRANT	USA
3:23.47	HEIDI GUHL	GER
3:26.59	M.HELENA PADILLA	BRA
3:27.32	BARBARA FRID	USA

50 M. BRST

39.54	MONIKA SENFTLEBEN	GER
40.60	BONNIE PRONK	CAN
40.81	ELAINE BROMWICH	GBR
41.08	HANNELORE ROSE	GER
41.38	JOANN LEILICH	USA
43.39	ROSA HOFFT	GER
43.99	SALLY NEWELL	USA
44.23	NANCY RIDOUT	USA
44.29	KAZUKO KAJIWARA	JPN
44.32	NANCY BROOKS	USA

100 M. BRST

1:29.53	HANNELORE ROSE	GER
1:30.22	BONNIE PRONK	CAN
1:30.30	ELAINE BROMWICH	GBR
1:31.74	MONIKA SENFTLEBEN	GER
1:33.52	JOANN LEILICH	USA
1:36.44	ROSA HOFFT	GER
1:37.05	LUISE KNOPFLE	GER
1:38.00	SALLY NEWELL	USA
1:39.27	NANCY BROOKS	USA
1:40.07	DORTE SIEMER	GER

200 M. BRST

3:15.19	HANNELORE ROSE	GER
3:15.32	ELAINE BROMWICH	GBR
3:16.90	BONNIE PRONK	CAN
3:20.43	JOANN LEILICH	USA
3:23.84	MONIKA SENFTLEBEN	GER

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

3:30.23 ROSA HOFFT GER
3:33.23 LUISE KNOPFLE GER
3:34.48 PAM FLETCHER AUS
3:38.24 INGRID LUNING GER
3:38.50 KEIKO YAMADA JPN

50 M. FLY

35.81 SARAH BROUGHER USA
35.91 CLAIRE O'DWYER IRL
35.96 SILVANA ABREU BRA
36.22 NANCY RIDOUT USA
37.63 BARBARA FRID USA
37.64 YOSHIKO OSAKI JPN
37.64 BONNIE PRONK CAN
38.47 CHRISTEL SCHULZ GER
39.03 HANNELORE ROSE GER
39.51 LYNNE LUND USA

100 M. FLY

1:21.91 ARDETH MUELLER USA
1:24.52 NANCY RIDOUT USA
1:28.43 CLAIRE O'DWYER IRL
1:30.62 HANNELORE ROSE GER
1:35.38 PAM FLETCHER AUS
1:35.78 MARIA COSTA BRA
1:35.78 M.HELENA PADILLA BRA
1:36.74 MONIKA SENFTLEBEN GER
1:36.89 LYNNE LUND USA
1:38.65 JAYNE LAMBKE USA

200 M. FLY

3:18.45 CLAIRE O'DWYER IRL
3:21.21 HANNELORE ROSE GER
3:34.26 ELAINE BROMWICH USA
3:37.34 PAM FLETCHER AUS
3:41.85 JAYNE LAMBKE USA
3:42.43 MARIA COSTA BRA
3:42.43 M.HELENA PADILLA BRA
3:44.20 REIKO NAGASAKU JPN
3:46.10 CHITOSE HOSOKAWA JPN
3:47.21 ENEDINA PEREIRA BRA

200 M. I.M.

3:04.34 YOSHIKO OSAKI JPN
3:07.42 HANNELORE ROSE GER
3:07.89 BONNIE PRONK CAN
3:08.88 SILVANA ABREU BRA
3:13.86 CHRISTEL SCHULZ GER
3:18.07 V.REINIKAINEN USA
3:19.15 ELAINE BROMWICH USA
3:20.40 JV BERKEL-DE NIJS NED
3:20.85 M.HELENA PADILLA BRA
3:21.70 MARGARET WILDING GBR

400 M. I.M.

6:43.01 HANNELORE ROSE GER
6:51.88 ELAINE BROMWICH USA
7:17.38 M.HELENA PADILLA BRA
7:22.91 MARIA COSTA BRA
7:30.62 MARGIT JEBE USA
7:37.83 JAYNE LAMBKE USA
7:42.40 LYNNE LUND USA
7:45.27 JUDY BURKE AUS
7:47.44 ALISON LEACH NZL
7:48.66 REIKO NAGASAKU JPN

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WOMEN 60-64

****

50 M. FREE

34.24 OLGA KREJCI SUI
34.44 SYLVIA BRAMHAM GBR
34.46 PAM HUTCHINGS AUS
35.03 JEANNE LITTLE USA
35.50 SALLY NEWELL USA
35.65 DIANE STOWELL USA
35.71 SHOKO YONOEZAWA JPN
35.90 FUSAKO HIROKA JPN
36.33 U.MEYER-TONNDORF GER
36.45 YOKO TAMIYA JPN

100 M. FREE

1:18.45 PAM HUTCHINGS AUS
1:19.99 DIANE STOWELL USA
1:21.83 SHOKO YONEZAWA JPN
1:21.91 HELGA REICH GER
1:22.02 JEANNE LITTLE USA
1:22.69 LOTTIE GEURTS NED
1:22.72 LAVELLE STOINOFF USA
1:22.86 JUTTA SEIDL GER
1:22.92 TAYO FUJIEDA JPN
1:23.49 SYLVIA BRAMHAM GBR

200 M. FREE

2:53.67 LAVELLE STOINOFF USA
2:55.27 PAM HUTCHINGS AUS
2:57.58 DIANE STOWELL USA
2:58.90 JUTTA SEIDL GER
3:02.07 BETSY JORDAN USA
3:02.18 HELGA REICH GER
3:04.74 LOTTIE GEURTS NED
3:07.18 RITA ANDROSONI ITA
3:08.43 BARBARA ZAREMSKI USA
3:08.59 RONNIE KAMPHAUSEN USA

400 M. FREE

6:04.64 LAVELLE STOINOFF USA
6:19.71 DIANE STOWELL USA
6:19.81 NANCY BROWN USA
6:19.90 HELGA REICH GER
6:22.44 BETSY JORDAN USA
6:31.43 LOTTIE GEURTS NED
6:35.02 JEANNE LITTLE USA
6:39.16 RITA ANDROSONI ITA
6:42.12 LENORE SONNTAG NZL
6:42.46 BARBARA BROOKS AUS

800 M. FREE

12:41.53 DIANE STOWELL USA
12:47.33 LAVELLE STOINOFF USA
12:50.78 BETSY JORDAN USA
12:53.00 JUTTA SEIDL GER
12:59.76 HELGA REICH GER
13:37.98 LOTTIE GEURTS NED
13:41.06 JEANNE LITTLE USA
13:42.76 BARBARA BROOKS AUS
13:48.19 RENATA MARTING ITA
13:52.16 URSULA FROHLICH GER

1500 M. FREE

24:20.13 LAVELLE STOINOFF USA
24:45.41 DIANE STOWELL USA
25:14.73 BETSY JORDAN USA
26:07.53 JEANNE LITTLE USA
26:07.77 BARBARA ZAREMSKI USA
26:14.08 LENORE SONNTAG NZL
26:22.83 ANNE MCGUIRE USA
27:11.59 RONNIE KAMPHAUSEN USA
27:25.87 L.VAN DER MEER NED
28:04.41 ELIANE PELLIS BEL

50 M. BACK

38.76 BETSY JORDAN USA
40.38 SYLVIA BRAMHAM GBR
40.38 PAM HUTCHINGS AUS
42.27 SHOKO YONEZAWA JPN
42.44 HAIKE HOELER GER
42.53 TAMI IWAKAWA JPN
42.54 URSULA KASTNER GER
43.82 INGRID LANGE GER
44.03 HELGA NEUBER GER
44.08 M STASTNA CZE

100 M. BACK

1:24.45 BETSY JORDAN USA
1:32.19 PAMELA HUTCHINGS AUS
1:33.33 URSULA KASTNER GER
1:33.95 SYLVIA BRAMHAM GBR
1:35.89 SHOKO YONEZAWA JPN
1:36.63 ALICE KINNAIRD AUS
1:36.85 HAIKE HOELER GER
1:37.87 INGRID LANGE GER
1:37.96 JUTTA SEIDL GER
1:38.07 DIANE STOWELL USA

200 M. BACK

3:06.23 BETSY JORDAN USA
3:16.59 PAM HUTCHINGS AUS
3:19.97 URSULA KASTNER GER
3:24.10 LAVELLE STOINOFF USA
3:26.79 NANCY BROWN USA
3:31.02 INGRID LANGE GER
3:32.31 SHOKO YONEZAWA JPN
3:33.07 JELTJE VAN BERGEN NED
3:33.08 EVA JAROSOVA CZE
3:34.13 URSULA FROHLICH GER

50 M. BRST

43.39 OLGA KREJCI SUI
43.99 SALLY NEWELL USA
44.58 ELIANE PELLIS BEL
45.13 SHOKO YONEZAWA JPN
45.27 LIS PEDERSEN DEN
45.55 L.HOHLFELD GER
45.90 MARCELA STASTNA CZE
45.92 MASAYO AZUMA JPN
45.99 ELEONORE OTTO GER
46.28 TAYO FUJIEDA JPN

100 M. BRST

1:36.84 MASAYO AZUMA JPN
1:38.00 SALLY NEWELL USA
1:38.67 ELIANE PELLIS BEL
1:38.98 SHOKO YONEZAWA JPN
1:39.99 ELEONORE OTTO GER
1:40.78 TAYO FUJIEDA JPN
1:41.99 LIS PEDERSEN DEN
1:42.03 OLGA KREJCI SUI
1:43.30 MARCELA STASTNA CZE
1:43.87 GISELA SCHEFFLER GER

200 M. BRST

3:26.57 MASAYO AZUMA JPN
3:36.55 ELEONORE OTTO GER
3:36.91 TAYO FUJIEDA JPN
3:38.99 ELIANE PELLIS BEL
3:39.28 SALLY NEWELL USA
3:43.06 DIANE STOWELL USA
3:47.25 AITA VASAR EST
3:47.43 LIS PEDERSEN DEN
3:47.81 SUE MAYNE AUS
3:48.02 GISELA SCHEFFLER GER

50 M. FLY

38.27 HAIKE HOELER GER
40.67 BETSY JORDAN USA
41.82 HELGA REICH GER
41.91 SHOKO YONEZAWA JPN
41.93 MARCELA STASTNA CZE
42.23 JEANNE LITTLE USA
42.75 OLGA KREJCI SUI
43.52 ELEONORE OTTO GER
43.52 KAORI MUTO JPN
43.92 BEVERLY MEYERS USA

100 M. FLY

1:32.75 HAIKE HOELER GER
1:35.80 JUTTA SEIDL GER
1:37.51 HELGA REICH GER
1:41.73 MARCELA STASTNA CZE
1:42.45 NORMA POWELL USA
1:43.28 BETSY JORDAN USA
1:47.44 G.LEINEWEBER GER
1:49.02 NOBUE MUTO JPN
1:49.53 BARBARA CALLISON USA
1:49.60 LIS PEDERSEN DEN

200 M. FLY

3:31.44 JUTTA SEIDL GER
3:36.13 HELGA REICH GER
3:42.51 HAIKE HOLER GER
3:56.00 BETSY JORDAN USA
4:00.26 INGRID SIEGERT GER
4:03.86 ANNE MCGUIRE USA
4:07.82 ANNIE DE VOS NED
4:08.00 MASUNO MASUDA JPN
4:08.14 KIMIKO ABE JPN
4:12.60 BARBARA ZAREMSKI USA

200 M. I.M.

3:15.48 BETSY JORDAN USA
3:26.29 SHOKO YONEZAWA JPN
3:26.53 DIANE STOWELL USA
3:27.32 HAIKE HOELER GER
3:28.22 ELEONORE OTTO GER
3:28.96 JUTTA SEIDL GER
3:30.26 HELGA REICH GER
3:32.27 TAYO FUJIEDA JPN
3:32.62 URSULA FROHLICH GER
3:33.93 BEVERLY MEYERS USA

400 M. I.M.

7:09.01 BETSY JORDAN USA
7:26.84 ELEONORE OTTO GER
7:29.25 HELGA REICH GER
7:31.13 NANCY BROWN USA
7:38.47 URSULA FROHLICH GER
7:47.10 LENORE SONNTAG NZL
7:47.25 JELTJE VAN BERGEN NED
7:47.80 RENATA MARTING ITA
7:50.24 ANNIE DE VOS NED
7:55.99 HAIKE HOLER GER

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WOMEN 65-69

****

50 M. FREE

34.26 GAIL ROPER USA
35.63 JANE ASHER GBR
37.03 THELMA DOYLE AUS
38.96 NANCY MACBETH USA
39.08 MASAE KURATA JPN
39.30 MARIANNE GRANE SWE
39.39 TOSHIKO WADA JPN
39.59 MITSUKO KOMURO JPN
39.61 BARBARA JACKSON USA
39.62 FRANCES DRURY AUS

100 M. FREE

1:18.57 GAIL ROPER USA
1:20.58 JANE ASHER GBR
1:25.66 THELMA DOYLE AUS
1:29.05 MITSUKO KOMURO JPN
1:29.83 LIDA GASCHKE USA
1:30.09 JUDIE OLIVER CAN
1:30.51 JUDY CHADIMA USA
1:30.51 BRITT GRILLI SWE
1:31.82 TOSHIKO WADA JPN
1:32.09 HIDEKO HARAKAWA JPN

200 M. FREE

2:55.90 JANE ASHER GBR
2:59.66 GAIL ROPER USA
3:12.72 HELEN EVANS AUS
3:16.64 THELMA DOYLE AUS
3:21.43 SANDORNE MADARAS HUN
3:21.65 JUDY CHADIMA USA
3:21.71 LIDA GASCHKE USA
3:25.68 FUMIKO HIROOKA JPN
3:25.97 CHISE IBE JPN
3:27.45 PATRICIA NIBBLETT CAN

400 M. FREE

6:28.98 GAIL ROPER USA
6:41.41 HELEN EVANS AUS
6:53.24 SANDORNE MADARAS HUN
7:05.32 LIDA GASCHKE USA
7:06.68 THELMA DOYLE AUS
7:18.63 TAMIKO SASAGAWA JPN
7:18.78 CAROL TAYLOR USA
7:18.86 MALCHIA OLSHAN USA
7:22.35 YOSHIKO SHIMIZU JPN
7:22.39 PATRICIA NIBBLETT CAN

800 M. FREE

13:58.85 GAIL ROPER USA
14:26.52 LIDA GASCHKE USA
14:28.68 SANDORNE MADARAS HUN
14:53.67 PATRICIA NIBBLETT CAN
15:02.37 NANCY DURSTEIN USA
15:12.33 YOSHIKO ITO JPN
15:18.91 MALCHIA OLSHAN USA
15:20.68 EDIE GRUENDER USA
15:21.19 FUMIKO HIROOKA JPN
15:37.17 JOAN CAMPBELL USA

1500 M. FREE

26:08.54 GAIL ROPER USA
28:03.57 PATRICIA NIBBLETT CAN
28:18.92 MALCHIA OLSHAN USA
28:38.81 THELMA DOYLE AUS
28:52.26 NANCY DURSTEIN USA
30:45.30 PARKIE COPELAND USA
30:56.22 BARBARA OWENS USA
31:14.00 KAZUKO UCHIYAMA JPN
31:47.36 VYSE GRAVENER USA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

31:54.38 AILSA DUNCAN AUS
50 M. BACK
42.30 KAREN BENDTSEN DEN
42.32 JANE ASHER GBR
44.39 EDITH BOEHM GER
44.69 GAIL ROPER USA
45.25 KAZUKO KABASAWA JPN
46.16 BARBARA JACKSON USA
46.62 KIMIKO OOKA JPN
47.33 NANCY MACBETH USA
47.34 BRITT GRILLI SWE
48.18 MITSUKO KOMURO JPN
100 M. BACK
1:34.96 KAREN BENDTSEN DEN
1:36.63 JANE ASHER GBR
1:41.60 BARBARA JACKSON USA
1:42.73 KIMIKO OOKA JPN
1:44.81 NANCY MACBETH USA
1:45.24 GAIL ROPER USA
1:45.41 JUDY CHADIMA USA
1:48.89 BRITT GRILLI SWE
1:49.06 SYLVIA NEUHAUSER AUT
1:50.87 ERIKA LANGE GER
200 M. BACK
3:24.82 KAREN BENDTSEN DEN
3:38.69 BARBARA JACKSON USA
3:43.40 NANCY MACBETH USA
3:45.16 KIMIKO OOKA JPN
3:47.66 GAIL ROPER USA
3:50.01 VAL GREEN AUS
3:51.93 SANDORNE MADARAS HUN
3:54.64 ERIKA LANGE GER
3:54.76 JUDY CHADIMA USA
4:01.52 MARIA YUNGEL USA
50 M. BRST
44.60 EDITH BOEHM GER
45.64 ERIKA LANGE GER
47.79 CAROL TAYLOR USA
48.28 GAIL ROPER USA
48.39 SYLVIA EISELE CAN
49.68 SYLVIA NEUHAUSER AUT
50.97 TAMIKO SASAGAWA JPN
51.60 JARMILA REBICKOVA CZE
51.66 JESSIE CALLEBAUT BEL
51.82 TERUKO ONO JPN
100 M. BRST
1:43.38 EDITH BOEHM GER
1:44.80 GAIL ROPER USA
1:46.55 ERIKA LANGE GER
1:49.24 SYLVIA EISELE CAN
1:51.11 CAROL TAYLOR USA
1:51.25 TERUKO ONO JPN
1:53.46 JESSIE CALLEBAUT BEL
1:54.12 JOAN MORRIS USA
1:54.68 TAMIKO SASAGAWA JPN
1:54.79 A.DERKSE-DEN BOER NED
200 M. BRST
3:47.81 GAIL ROPER USA
3:59.48 KAREN BENDTSEN DEN
4:01.61 ERIKA LANGE GER
4:02.86 SYLVIA EISELE CAN
4:04.10 TERUKO ONO JPN
4:07.55 JESSIE CALLEBAUT BEL
4:08.63 A.DERKSE-DEN BOER NED
4:11.28 TAMIKO SASAGAWA JPN
4:11.71 JOAN ALEXANDER USA
4:11.94 TOSHIE YOSHIDA JPN
50 M. FLY
39.78 GAIL ROPER USA
40.29 JANE ASHER GBR
42.52 JUDIE OLIVER CAN
46.00 EDITH BOEHM GER
48.04 JOAN ALEXANDER USA
48.26 SYLVIA NEUHAUSER AUT
48.34 CAROL TAYLOR USA
48.50 EDIE GRUENDER USA
48.68 REIKO NAWATA JPN
48.72 NANCY MACBETH USA
100 M. FLY
1:40.04 JUDIE OLIVER CAN

1:40.14 GAIL ROPER USA
1:49.11 SYLVIA NEUHAUSER AUT
1:54.11 CAROL TAYLOR USA
1:54.19 NANCY MACBETH USA
1:55.11 JOAN ALEXANDER USA
1:56.40 SYLVIA EISELE CAN
2:01.21 KIMIKO OOKA JPN
2:01.48 EDIE GRUENDER USA
2:04.94 B.MOLLER JENSEN DEN
200 M. FLY
3:51.81 GAIL ROPER USA
3:52.58 SYLVIA NEUHAUSER AUT
4:07.93 SYLVIA EISELE CAN
4:11.37 JOAN ALEXANDER USA
4:20.38 NANCY MACBETH USA
4:28.73 MALCHIA OLSHAN USA
4:30.06 B.MOLLER JENSEN DEN
4:33.68 NANCY DURSTEIN USA
4:34.32 JOAN CAMPBELL USA
4:36.08 ERIKA LANGE GER
200 M. I.M.
3:30.26 JANE ASHER GBR
3:36.42 GAIL ROPER USA
3:38.01 JUDIE OLIVER CAN
3:41.30 KAREN BENDTSEN DEN
3:43.64 NANCY MACBETH USA
3:46.85 SYLVIA NEUHAUSER AUT
3:57.51 KIMIKO OOKA JPN
3:59.42 CAROL TAYLOR USA
4:02.00 CHISE IBE JPN
4:02.59 JOAN ALEXANDER USA
400 M. I.M.
7:28.85 GAIL ROPER USA
7:56.55 NANCY MACBETH USA
8:09.67 SYLVIA EISELE CAN
8:41.50 JOAN ALEXANDER USA
8:42.52 ERIKA LANGE GER
8:43.02 NANCY DURSTEIN USA
8:45.70 EDIE GRUENDER USA
8:46.16 YOSHIKO ITO JPN
9:00.41 JOAN CAMPBELL USA
9:03.50 TOSHIE YOSHIDA JPN

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WOMEN 70-74
****
50 M. FREE
37.28 O LUSIEN FRA
38.44 JEAN TROY USA
38.95 KERSTIN GJORES SWE
39.01 LOUISE HEPNER USA
39.35 EIKO MORI JPN
39.39 FLORENCE CARR USA
39.66 BETTY RUSS USA
39.70 PETEY SMITH USA
39.93 M. CUNNINGHAM AUS
39.94 IRMA HEYTING AUS
100 M. FREE
1:27.89 JEAN TROY USA
1:28.71 JUNE KRAUSER USA
1:29.08 O LUSIEN FRA
1:29.29 M. CUNNINGHAM AUS
1:30.27 PETEY SMITH USA
1:32.03 LOUISE HEPNER USA
1:33.39 BETTY RUSS USA
1:33.46 FLORENCE CARR USA
1:33.61 HIDEKO NAITO JPN
1:34.00 CHIYOKO OKURA JPN
200 M. FREE
3:06.98 JUNE KRAUSER USA
3:13.80 JEAN TROY USA
3:20.65 PETEY SMITH USA
3:22.07 MARGERY MEYER USA
3:23.72 LIZ WALLIS AUS
3:28.94 LOUISE HEPNER USA
3:29.23 HIDEKO NAITO JPN
3:29.63 CHIYOKO OKURA JPN
3:30.11 G. MCKENZIE-HICKS AUS
3:30.28 FLORENCE CARR USA
400 M. FREE

6:34.05 JUNE KRAUSER USA
6:57.47 JEAN TROY USA
6:59.11 LIZ WALLIS AUS
7:16.70 PETEY SMITH USA
7:18.50 MARGERY MEYER USA
7:25.07 G. MCKENZIE-HICKS AUS
7:27.72 BETTY RUSS USA
7:37.56 HIDEKO NAITO JPN
7:37.85 FAY BECK USA
7:45.58 DELLA SEHORN USA
800 M. FREE
13:25.51 JUNE KRAUSER USA
14:50.14 LIZ WALLIS AUS
14:58.67 PETEY SMITH USA
15:34.89 FLORENCE CARR USA
15:48.55 MIEKO MIKURIYA JPN
16:02.25 ELEANOR WESSNER USA
16:05.92 G.SCHOBEL-GRASS GER
16:14.78 LOIS KIVI NOCHMAN USA
16:24.01 GRACE ALTUS USA
16:35.30 CHRISTINE JEFFS AUS
1500 M. FREE
25:25.26 JUNE KRAUSER USA
27:53.72 LIZ WALLIS AUS
28:55.95 PETEY SMITH USA
29:53.23 ELEANOR WESSNER USA
30:20.55 GRACE ALTUS USA
30:36.77 LOIS KIVI NOCHMAN USA
31:47.54 RUTH MANFREDI USA
32:56.68 NORMA RUDOLPH AUS
32:57.66 AGNES PLISSON FRA
35:01.75 CLARA SOTAK USA
50 M. BACK
43.67 DORIS STEADMAN USA
46.24 KERSTIN GJORES SWE
48.84 LIZ WALLIS AUS
49.39 OLIVE HALE GBR
49.98 MASAKO HOTEHAMA JPN
50.11 JUNE KRAUSER USA
50.31 MARGERY MEYER USA
50.52 M BERLIOUX FRA
50.60 REGAN KENNER USA
50.79 DELLA SEHORN USA
50.79 C.WILLIAMS USA
100 M. BACK
1:35.37 DORIS STEADMAN USA
1:44.41 KERSTIN GJORES SWE
1:47.46 REGAN KENNER USA
1:48.82 JUNE KRAUSER USA
1:50.15 DELLA SEHORN USA
1:53.46 A PLISSON FRA
1:54.02 DORIS MCEWAN CAN
1:54.29 C.WILLIAMS USA
1:54.53 KRISTINA VADEM SWE
1:54.87 M AMSBARY USA
200 M. BACK
3:29.79 DORIS STEADMAN USA
3:43.74 KERSTIN GJORES SWE
3:49.71 JUNE KRAUSER USA
3:50.83 REGAN KENNER USA
3:57.21 FLORENCE CARR USA
3:57.38 DELLA SEHORN USA
4:00.35 VIRGINA KETELAAR BEL
4:03.56 OLIVE HALE GBR
4:05.11 KRISTINA VADEM SWE
4:08.59 JOAN MONAHAN NZL
50 M. BRST
47.62 O LUSIEN FRA
51.44 NEL VAN VLICT NED
52.14 M AMSBARY USA
52.43 CHIYOKO OKURA JPN
53.15 ALICIA COLEMAN USA
53.48 REGAN KENNER USA
53.57 JUNE KRAUSER USA
53.84 YOKO KOBAYASHI JPN
53.96 P CHAVOIX JODJANA FRA
54.13 M. CUNNINGHAM AUS
100 M. BRST
1:50.09 CHIYOKO OKURA JPN
1:54.73 JUNE KRAUSER USA

1:55.25 NEL VAN VLICT NED
1:57.98 YOKO KOBAYASHI JPN
1:59.01 AGNES PLISSON FRA
1:59.26 M AMSBARY USA
2:00.45 REGAN KENNER USA
2:01.53 M. CUNNINGHAM AUS
2:02.54 TAZUKO YASUOKA JPN
2:03.93 LOUISE HEPNER USA
2:03.93 EIKO MORI JPN
200 M. BRST
4:06.79 JUNE KRAUSER USA
4:08.08 G.SCHOBEL-GRASS GER
4:16.33 AGNES PLISSON FRA
4:18.16 EIKO MORI JPN
4:21.29 LIZ WALLIS AUS
4:22.72 REGAN KENNER USA
4:32.80 SUZANNE GRAHAM USA
4:32.81 M.J. AMSBARY USA
4:32.90 ERNA EICHMANN GER
4:33.75 EVA KOPLIKOVA CZE
50 M. FLY
44.11 JUNE KRAUSER USA
45.06 O LUSIEN FRA
47.12 LOIS KIVI NOCHMAN USA
49.56 JEAN TROY USA
49.63 M. CUNNINGHAM AUS
49.65 FLORENCE CARR USA
50.12 LOIS NOCHMAN USA
52.37 CHIE TANI JPN
52.42 MASAKO HOTEHAMA JPN
56.87 KUMIKO KUBO JPN
100 M. FLY
1:44.98 JUNE KRAUSER USA
1:57.65 LOIS NOCHMAN USA
1:58.75 BETTY RUSS USA
1:59.41 JEAN TROY USA
2:06.04 FUMI MURATA JPN
2:06.52 CHIE TANI JPN
2:14.32 G.SCHOBEL-GRASS GER
2:17.12 AGNES PLISSON FRA
2:24.51 JAE HOWELL USA
2:25.48 SARAH ALLNUT USA
200 M. FLY
3:50.99 JUNE KRAUSER USA
4:18.86 LOIS NOCHMAN USA
4:19.07 JEAN TROY USA
4:36.36 G.SCHOBEL-GRASS GER
5:10.58 JAE HOWELL USA
5:28.38 BETTY DUNN USA
5:35.57 JOAN GLARATON USA
5:42.77 NORMA RUDOLPH AUS
5:50.13 RUTH MANFREDI USA
6:16.95 MARGERY MEYER USA
200 M. I.M.
3:39.78 JUNE KRAUSER USA
3:57.74 JEAN TROY USA
4:02.14 CHIYOKO OKURA JPN
4:03.39 DELLA SEHORN USA
4:03.76 M. CUNNINGHAM AUS
4:04.46 AGNES PLISSON FRA
4:08.81 G.SCHOBEL-GRASS GER
4:13.57 DORIS MCEWAN CAN
4:15.05 CHIE TANI JPN
4:15.47 LOIS NOCHMAN USA
400 M. I.M.
7:41.23 JUNE KRAUSER USA
8:32.23 G.SCHOBEL-GRASS GER
8:37.59 JEAN TROY USA
8:42.20 LOIS NOCHMAN USA
9:10.93 AGNES PLISSON FRA
9:44.70 MARGERY MEYER USA
9:50.86 JAE HOWELL USA
9:57.05 RUTH MANFREDI USA
10:28.44 JOAN GLARATON USA
10:30.99 BETTY DUNN USA

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WOMEN 75-79
****
50 M. FREE

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

39.60	MARGERY MEYER	USA	2:04.89	RITA EVANS	USA	200 M. I.M.			1500 M. FREE		
40.86	OLGA JOHNSON	NZL	2:04.91	OLGA JOHNSON	NZL	4:38.26	GERTRUD MEERWALD	GER	32:09.15	MARJORIE SHARPE	USA
41.29	KANAE SATAKE	JPN	2:06.63	MASAYO FUKUDA	JPN	4:42.69	DIANA SILVA	USA	35:48.16	JEAN DURSTON	USA
41.78	BETTY CHRISTIAN	USA	2:06.71	DIANA SILVA	USA	4:50.89	JUNE REYNOLDS	USA	35:56.88	MARIA LENK ZIGLER	USA
42.92	G.PFANNMULLER	GER	200 M. BACK			4:52.99	BETTY STERN	AUS	37:02.65	KAY SCHIMPF	USA
42.98	RUTH BAAR	USA	4:00.78	BUNNY CEDERLUND	USA	5:00.80	NANCY PHILLIPS	USA	39:56.84	MARY JANE REEVES	USA
43.39	DOROTHY DONNELLY	USA	4:06.94	EDITH THEIN	ISR	5:04.57	MARY WIXTED	USA	46:14.18	MARY LATHRAM	USA
45.28	BETTY STERN	AUS	4:14.55	MARGERY MEYER	USA	5:11.20	CLARE SAWHILL	USA	52:15.69	MARTHA FORSTER	USA
45.56	BUNNY CEDERLUND	USA	4:15.22	DIANA SILVA	USA	5:11.23	H. HUGGINS	USA	50 M. BACK		
45.86	MASAE SHIMURA	JPN	4:15.31	J. DRAKE-BROCKMAN	AUS	5:13.60	KIYOMI KITAMURA	JPN	53.84	MARJORIE SHARPE	USA
100 M. FREE			4:16.07	ELISE STEVENS	USA	5:15.19	GERTRUD ZINT	USA	56.29	CHARLOTTE THEIL	GER
1:31.48	MARGERY MEYER	USA	4:19.43	NATSU OKI	JPN	400 M. I.M.			57.42	ANNE WALKER	USA
1:38.94	RUTH BAAR	USA	4:21.02	BETTY STERN	AUS	9:50.86	JAE HOWELL	USA	58.76	SUMIKO KOIZUMI	JPN
1:41.65	DOROTHY DONNELLY	USA	4:24.99	OLGA JOHNSON	NZL	10:43.53	JUNE REYNOLDS	USA	58.87	MASA SHIGEMITSU	JPN
1:43.35	ELISE STEVENS	USA	4:35.70	NANCY PHILLIPS	USA	10:58.77	H. HUGGINS	USA	1:01.56	MARIE WICKLUN	USA
1:44.12	G.PFANNMULLER	GER	50 M. BRST			11:26.20	EILEEN PRICE	AUS	1:01.90	CAROL GALBRAITH	USA
1:44.56	MASAE SHIMURA	JPN	54.48	BETTY CHRISTIAN	USA	11:49.82	AGOTA FROHS	USA	1:02.83	AUDREY ETIENNE	USA
1:44.64	RITA SIMONTON	USA	57.07	M GUILLAIS	FRA	13:01.58	EDITH GLUSAC	USA	1:06.34	MARY LATHRAM	USA
1:45.08	OLGA JOHNSON	NZL	57.52	INGEBORG FRITZE	GER	13:57.83	ZADA TAFT	USA	1:07.32	YOSHIKO WATANABE	JPN
1:46.97	CANDIDA GANDOLPHO	BRA	59.88	HILDEGARD MESSING	GER	15:02.63	ELFIE STEVENIN	USA	100 M. BACK		
1:48.22	B.ANN BURRILL	USA	1:00.69	MICHIKO HAMURO	JPN	16:04.38	AKIYO TANAKA	JPN	2:02.15	MARJORIE SHARPE	USA
200 M. FREE			1:01.10	BARBARA BOHM	GER				2:05.91	ANNE WALKER	USA
3:19.07	MARGERY MEYER	USA	1:01.29	KATHE GIEREND	GER	**********			2:07.29	CHARLOTTE THIEL	GER
3:41.86	RUTH BAAR	USA	1:01.43	JAE HOWELL	USA	WOMEN 80-84			2:08.19	SUMIKO KOIZUMI	JPN
3:44.50	BETTY CHRISTIAN	USA	1:02.00	GERTRUD ZINT	USA	**********			2:16.03	MARIE WICKLUN	USA
3:47.48	CANDIDA GANDOLPHO	BRA	1:03.76	ANNE BECHT	GER	50 M. FREE			2:19.77	AUDREY ETIENNE	USA
3:50.63	RITA SIMONTON	USA	100 M. BRST			44.98	HATSUHO SUGAYA	JPN	2:23.29	MARY LATHRAM	USA
3:51.58	DOROTHY DONNELLY	USA	2:04.89	BETTY CHRISTIAN	USA	46.63	AUDREY ETIENNE	USA	2:29.47	SACHIKO UDA	JPN
3:53.60	ELISE STEVENS	USA	2:07.09	M GUILLAIS	FRA	46.89	MARJORIE SHARPE	USA	2:31.65	SALLY JOY	USA
3:57.35	OLGA JOHNSON	NZL	2:09.33	HILDEGARD MESSING	GER	49.46	ANNE WALKER	USA	2:40.39	S CARMONA	FRA
3:59.12	DIANA SILVA	USA	2:14.72	INGEBORG FRITZE	GER	50.20	MARGARET NAGLE	USA	200 M. BACK		
3:59.36	G.SCHONBERGER-DE	NED	2:14.80	MICHIKO HAMURO	JPN	51.16	CHARLOTTE THIEL	GER	4:30.48	MARJORIE SHARPE	USA
400 M. FREE			2:19.23	JAE HOWELL	USA	51.96	CAROL GALBRAITH	USA	4:32.71	SUMIKO KOIZUMI	JPN
7:49.55	CANDIDA GANDOLPHO	BRA	2:20.74	G.SCHONBERGER-DE	NED	52.49	YOSHIKO WATANABE	JPN	4:44.84	MARIE WICKLUN	USA
7:50.01	RUTH BAAR	USA	2:22.11	GERTRUD ZINT	USA	52.83	SUMIKO KOIZUMI	JPN	4:47.68	ANNE WALKER	USA
8:12.83	RITA SIMONTON	USA	2:23.34	RITA SIMONTON	USA	53.83	MASA SHIGEMITSU	JPN	4:50.00	MARIA LENK	BRA
8:24.31	GERTRUD MEERWALD	GER	2:26.99	JUNE REYNOLDS	USA	100 M. FREE			4:59.48	LOUISE WALKER	USA
8:25.06	DIANA SILVA	USA	200 M. BRST			1:43.45	MARJORIE SHARPE	USA	5:12.07	SALLY JOY	USA
8:31.03	G.SCHONBERGER-DE	NED	4:29.87	BETTY CHRISTIAN	USA	1:50.38	HISAKO KOGA	JPN	5:19.59	ANNCHEN REILE	GER
8:32.66	B.ANN BURRILL	USA	4:34.27	HILDEGARD MESSING	GER	1:52.73	AUDREY ETIENNE	USA	5:21.58	MARY LATHRAM	USA
8:34.31	BUNNY CEDERLUND	USA	5:00.24	JAE HOWELL	USA	1:55.39	CAROL GALBRAITH	USA	5:40.18	IVE BROWNE	USA
8:35.21	MASAE SHIMURA	JPN	5:01.57	RITA SIMONTON	USA	1:58.98	SUMIKO KOIZUMI	JPN	50 M. BRST		
8:36.38	MARY STADIG	USA	5:06.65	INGEBORG FRITZE	GER	2:00.80	MARGARET NAGLE	USA	1:01.15	CHARLOTTE THEIL	GER
800 M. FREE			5:13.45	JUNE REYNOLDS	USA	2:01.56	MASA SHIGEMITSU	JPN	1:07.08	SALLY JOY	USA
14:32.25	MARGERY MEYER	USA	5:21.47	HIDEKO HANADA	JPN	2:02.37	ANNE WALKER	USA	1:09.04	KAY SCHIMPF	USA
16:33.85	CANDIDA GANDOLPHO	BRA	5:23.46	BARBARA BOEHM	GER	2:03.81	MARIE WICKLUN	USA	1:09.32	EMMI PAULI	GER
16:58.60	RITA SIMONTON	USA	5:27.56	G.SCHONBERGER-DE	NED	2:08.20	S CARMONA	FRA	1:09.54	K.STAVENHAGEN	GER
17:14.07	G.SCHONBERGER-DE	NED	5:33.33	GERTRUD ZINT	USA	200 M. FREE			1:12.64	MARGARET NAGLE	USA
17:24.13	BUNNY CEDERLUND	USA	50 M. FLY			3:48.50	MARJORIE SHARPE	USA	1:14.16	ELLEN MATTHES	GER
17:41.27	EDITH THEIN	ISR	59.66	NANCY PHILLIPS	USA	4:02.24	HISAKO KOGA	JPN	1:16.55	ANNELIESE ZOELLER	USA
18:17.75	URAKO WAKE	JPN	59.86	HIROKO MURATA	JPN	4:17.51	CAROL GALBRAITH	USA	1:17.85	CHIKAKO TAKAHARA	JPN
19:00.17	KAY SCHIMPF	USA	1:01.16	DIANA SILVA	USA	4:26.47	MARIA LENK ZIGLER	USA	1:18.10	HARUKO NIIMURA	JPN
19:04.66	MAJ BRITT NORDIN	SWE	1:02.28	BERYL GRACE	AUS	4:34.47	KAY SCHIMPF	USA	100 M. BRST		
19:12.55	TOMOE TOYOKAWA	JPN	1:02.72	GERTRUD MEERWALD	GER	4:36.28	ANNE WALKER	USA	2:27.43	CHARLOTTE THEIL	GER
1500 M. FREE			1:03.44	JUNE REYNOLDS	USA	4:38.75	JEAN DURSTON	USA	2:30.89	MARIA LENK ZIGLER	USA
30:33.56	BUNNY CEDERLUND	USA	1:04.83	DOROTHY DONNELLY	USA	4:41.02	MARGARET NAGLE	USA	2:32.11	EMMI PAULI	GER
32:22.40	RITA SIMONTON	USA	1:07.14	HIDEKO MORI	JPN	4:48.30	NELLA GAMENARA	ITA	2:33.91	KAY SCHIMPF	USA
32:53.58	G.SCHONBERGER-DE	NED	1:08.40	JAE HOWELL	USA	5:03.22	KIKU ONO	JPN	2:39.77	SALLY JOY	USA
38:12.70	GERTRUD ZINT	USA	1:08.52	JEAN ZULICH	USA	400 M. FREE			2:43.94	HARUKO NIIMURA	JPN
38:38.94	JANE ROSSELL	USA	100 M. FLY			7:56.31	MARJORIE SHARPE	USA	2:47.85	ANNELIESE ZOELLER	USA
41:41.61	ZADA TAFT	USA	2:21.85	JUNE REYNOLDS	USA	8:47.80	CAROL GALBRAITH	USA	3:05.25	SONOKO NOMA	JPN
56:40.00	ROSE STEWARD	USA	2:24.51	JAE HOWELL	USA	9:08.29	MARIA LENK ZIGLER	USA	3:11.18	LILO BRYCE	CAN
50 M. BACK			2:24.74	GERTRUD MEERWALD	GER	9:08.98	JEAN DURSTON	USA	3:13.34	HILDA BUEL	USA
46.98	BUNNY CEDERLUND	USA	2:37.07	DIANA SILVA	USA	9:53.17	ANNE WALKER	USA	200 M. BRST		
51.72	BETTY STERN	AUS	2:41.26	MARY WIXTED	USA	9:58.64	MARIE WICKLUN	USA	5:22.07	MARIA LENK ZIGLER	USA
51.95	G.PFANNMULLER	GER	2:46.89	WINNIE WALTER	USA	10:01.40	NELLA GAMENARA	ITA	5:29.27	EMMI PAULI	GER
51.99	BETTY CONDON	GBR	2:47.26	EILEEN PRICE	AUS	10:09.50	MARGARET NAGLE	USA	5:44.12	HARUKO NIIMURA	JPN
53.16	TOMMY AUKEMA	NED	2:50.58	JEAN ZULICH	USA	10:33.14	FRANCES MCWHIRTER	CAN	5:46.76	KAY SCHIMPF	USA
53.20	BETTY CHRISTIAN	USA	2:52.08	H. HUGGINS	USA	10:53.76	KIKU ONO	JPN	5:52.93	SALLY JOY	USA
53.54	ELISE STEVENS	USA	3:04.97	EDITH GLUSAC	USA	800 M. FREE			5:54.13	JEAN DURSTON	USA
55.06	OLGA JOHNSON	NZL	200 M. FLY			16:39.04	MARJORIE SHARPE	USA	6:07.50	ANNELIESE ZOELLER	USA
56.08	EDITH THEIN	ISR	5:15.59	JAE HOWELL	USA	18:19.19	KAY SCHIMPF	USA	6:24.85	ANNCHEN REILE	GER
56.22	NATSU OKI	JPN	5:16.46	JUNE REYNOLDS	USA	18:46.87	JEAN DURSTON	USA	6:55.23	SONOKO NOMA	JPN
100 M. BACK			5:16.84	DIANA SILVA	USA	18:52.65	MARIA LENK ZIGLER	USA	7:03.36	HILDA BUEL	USA
1:46.70	BUNNY CEDERLUND	USA	5:16.97	GERTRUD MEERWALD	GER	20:23.89	ANNE WALKER	USA	50 M. FLY		
1:55.66	MARGERY MEYER	USA	5:50.22	EILEEN PRICE	AUS	21:54.39	KIKU ONO	JPN	1:07.84	KAY SCHIMPF	USA
1:58.22	BETTY STERN	AUS	5:59.04	H. HUGGINS	USA	24:10.53	MARY LATHRAM	USA	1:07.91	MARIA LENK ZIGLER	USA
1:59.57	EDITH THEIN	ISR	7:33.19	ZADA TAFT	USA	25:06.82	MASAKO MATSUNO	JPN	1:11.44	CHARLOTTE THEIL	GER
2:00.94	ELISE STEVENS	USA	7:59.48	ELFIE STEVENIN	USA	25:17.66	AGNES ROMAYKO	USA	1:12.44	JEAN DURSTON	USA
2:01.54	NATSU OKI	JPN	10:04.90	MARION CHADWICK	USA	25:57.53	ANNELIESE ZOELLER	USA	1:22.15	SACHIKO UDA	JPN

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

1:38.09 ROBERTA SUGDEN USA
1:51.85 TOSHI KUBO JPN
1:53.46 BUZ CATLIN USA
2:28.98 OSCARINA SANTOS BRA

100 M. FLY

2:40.19 JEAN DURSTON USA
2:48.73 KAY SCHIMPF USA
3:46.70 ANNE WILDER USA

200 M. FLY

5:43.21 JEAN DURSTON USA
6:38.90 KAY SCHIMPF USA
8:25.39 ANNE WILDER USA

200 M. I.M.

5:07.81 JEAN DURSTON USA
5:20.78 KAY SCHIMPF USA
7:10.34 ROBERTA SUGDEN USA
7:14.56 ANNE WILDER USA
7:16.38 BUZ CATLIN USA
8:34.20 HOPE BROWNING USA
11:41.96 MARGARET RUSSELL AUS

400 M. I.M.

10:38.04 JEAN DURSTON USA
11:22.65 KAY SCHIMPF USA

****
WOMEN 85-89
****

50 M. FREE

54.13 JULIA DOLCE USA
54.16 UME WADA JPN
1:04.20 EVGUENIA VTOROVA RUS
1:09.00 EDITH HENDRY USA
1:11.06 SHIZUE SHIMIZU JPN
1:11.88 RINA DAVOGLIO ITA
1:14.82 ELLEN TAIT USA
1:15.86 MADELEINE MILLER USA
1:16.87 BETTY JONES AUS
1:28.76 MARGOT LENIGK USA

100 M. FREE

1:59.18 MAXINE MERLINO USA
2:00.66 UME WADA JPN
2:09.55 JULIA DOLCE USA
2:34.22 KIYOKO MOCHIZUKI JPN
2:35.31 RINA DAVOGLIO ITA
2:42.20 ELLEN TAIT USA
2:54.59 EDITH HENDRY USA
2:59.29 MADELEINE MILLER USA
3:10.38 VIOLETA BAGET MEX
3:21.34 SALLY RYCKMAN USA

200 M. FREE

4:44.30 MAXINE MERLINO USA
5:06.80 JULIA DOLCE USA
6:01.98 ELLEN TAIT USA
6:19.44 EDITH HENDRY USA
7:07.37 VIOLETA BAGET MEX
7:13.54 SALLY RYCKMAN USA
7:14.51 BERNARDA ANGULO ESP
8:22.90 MARGOT LENIGK USA

400 M. FREE

9:31.21 UME WADA JPN
9:52.14 MAXINE MERLINO USA
11:19.73 RINA DAVOGLIO ITA
13:25.85 ELLEN TAIT USA
14:55.59 BERNARDA ANGULO ESP
15:02.33 VIOLETA BAGET MEX

800 M. FREE

20:11.43 MAXINE MERLINO USA
30:01.49 VIOLETA BAGET MEX

1500 M. FREE

38:20.39 MAXINE MERLINO USA

50 M. BACK

1:11.02 EVGUENIA VTOROVA RUS
1:12.64 JULIA DOLCE USA
1:13.44 RINA DAVOGLIO ITA
1:14.11 M.GOTTSCHALK GER
1:19.54 EDITH HENDRY USA
1:31.31 MADELEINE MILLER USA
1:35.25 SHIZUE SHIMIZU JPN
1:36.53 NOBUKO KOIBUCHI JPN
1:46.12 SALLY RYCKMAN USA

1:47.04 ELIZABETH DZIADUS USA

100 M. BACK

2:29.64 MAXINE MERLINO USA
2:36.58 RINA DAVOGLIO ITA
2:41.54 JULIA DOLCE USA
2:44.64 M.GOTTSCHALK GER
2:53.50 EDITH HENDRY USA
3:30.84 HEDY PULLMAN USA
3:32.53 BERNARDA ANGULO ESP
3:39.26 MARGOT LENIGK USA
3:47.77 KIYOKO MOCHIZUKI JPN
3:53.88 SALLY RYCKMAN USA

200 M. BACK

5:13.90 UME WADA JPN
5:35.53 RINA DAVOGLIO ITA
5:43.56 JULIA DOLCE USA
6:16.16 EDITH HENDRY USA
6:52.68 MADELEINE MILLER USA
10:29.29 GERALDINE TURNER USA

50 M. BRST

1:12.62 UME WADA JPN
1:26.11 M.GOTTSCHALK GER
1:28.20 EVGUENIA VTOROVA RUS
1:33.87 MADELEINE MILLER USA
2:06.09 BETTY JONES AUS
2:14.23 HEDY PULLMAN USA
2:15.44 MARGOT LENIGK USA
2:32.59 GRACE HIDDLESON USA

100 M. BRST

2:44.68 MARTI GOGNIAT USA
2:45.42 UME WADA JPN
3:16.58 M.GOTTSCHALK GER
3:55.95 MADELEINE MILLER USA
4:22.02 HEDY PULLMAN USA
5:04.90 MARGOT LENIGK USA
5:55.88 GRACE HIDDLESON USA

200 M. BRST

6:08.30 MAXINE MERLINO USA
8:27.50 MADELEINE MILLER USA

50 M. FLY

1:13.84 MAXINE MERLINO USA
3:23.61 GERALDINE TURNER USA

100 M. FLY

2:59.55 MAXINE MERLINO USA

200 M. I.M.

5:27.56 MAXINE MERLINO USA
12:23.69 GERALDINE TURNER USA

400 M. I.M.

11:21.06 MAXINE MERLINO USA

****
WOMEN 90-94
****

50 M. FREE

58.44 AILEEN SOULE USA

100 M. FREE

2:30.76 AILEEN SOULE USA

400 M. FREE

11:45.66 AILEEN SOULE USA

50 M. BACK

1:05.10 AILEEN SOULE USA

100 M. BACK

4:39.10 DEL ROWLEY AUS
5:29.07 AILEEN SOULE USA

200 M. BACK

5:29.07 AILEEN SOULE USA

50 M. BRST

2:32.35 DEL ROWLEY AUS

****
WOMEN 95-99
****

****
WOMEN 100-104
****

****
M E N 25-29
****

50 M. FREE

24.31 REIKO HANDLER GER
24.37 JIRI MIKULA CZE
24.41 ROBERT BUTCHER USA
24.42 JASON GEDMIN JPN
24.44 JUNGO ONO JPN
24.47 M.GIALDI ITA
24.53 PATRICK TOPFER GER
24.57 TOMMY RUNDGREN FIN
24.59 HARALD MAISCH GER
24.63 PAUL MCQUAID USA

100 M. FREE

53.35 JIRI MIKULA CZE
53.75 REIKO HANDLER GER
53.82 TOMMY RUNDGREN FIN
54.08 JASON GEDMIN JPN
54.64 GREG LARSON USA
54.70 M.GIALDI ITA
54.80 NIKOLAI KISSELEV RUS
54.81 ROBERT KABACY USA
54.81 PHILIPPE MEYER SUI
55.03 STUART BARTON USA

200 M. FREE

1:58.93 JON WINTER NZL
2:00.02 PETER HURSTY USA
2:00.42 ALEX KOSTICH USA
2:00.53 BRENT WALKER AUS
2:01.00 SANDRO HEREK BRA
2:01.42 FRANK LAMODKE GER
2:01.77 JEFF UTSCH USA
2:02.45 MARCO HERR SUI
2:02.91 M.GIALDI ITA
2:02.99 ANDRE FERREIRA BRA

400 M. FREE

4:03.63 ALEX KOSTICH USA
4:19.54 PETER HURSTY USA
4:19.98 REIKO HANDLER GER
4:20.10 BRENT WALKER AUS
4:20.26 MARCO HERR SUI
4:21.84 JEFF UTSCH USA
4:25.43 TOSHIKI IMAI JPN
4:26.09 DITMAR PETROV USA
4:26.25 GUNTHER STROTKER GER
4:28.12 ANDRE FERREIRA BRA

800 M. FREE

8:24.67 ALEX KOSTICH USA
8:53.50 DITMAR PETROV USA
9:05.66 FRANK LAMODKE GER
9:11.26 MARCO HERR SUI
9:16.87 PETER KORTHALS GER
9:18.05 MICHAEL DIECKMANN GER
9:18.48 REIKO HANDLER GER
9:23.43 JOHANN PAPILLON FRA
9:31.51 MASHAHIKO ADACHI JPN
9:32.08 ANDRE FERREIRA BRA

1500 M. FREE

16:13.89 ALEX KOSTICH USA
17:25.92 BRENT WALKER AUS
17:36.54 REIKO HANDLER GER
17:53.71 MASHAHIKO ADACHI JPN
18:11.28 DITMAR PETROV USA
18:12.15 DEAN ZRUCKY USA
18:30.56 G.SPLITTGERBER GER
18:33.62 PETER BURGON NZL
18:40.65 ANDREAS GLASENAPP GER
18:47.73 OLIVER GROBMANN GER

50 M. BACK

27.75 HARALD MAISCH GER
28.28 LARS GIRBIG GER
28.64 JIRI MIKULA CZE
28.88 RENATO RAMALHO BRA
28.95 JON WINTER NZL
29.01 RICARDO SILVA BRA
29.03 BRENT WALKER AUS
29.09 BRAD HOFFMAN USA
29.20 JOHANN PAPILLON FRA
29.27 MICHAL HOLY CZE

100 M. BACK

57.45 JON WINTER NZL
1:01.07 HARALD MAISCH GER

1:01.36 JOHANN PAPILLON FRA
1:01.45 LARS GIRBIG GER
1:02.04 BRENT WALKER AUS
1:02.30 KAZUHIKO YAMAKAWA JPN
1:02.55 RENATO RAMALHO BRA
1:02.69 VADIM FORAFONOV RUS
1:02.75 BRAD HOFFMAN USA
1:03.50 ROBERT BERRY USA
1:03.50 PHILIPPE MEYER SUI

200 M. BACK

2:11.69 JOHANN PAPILLON FRA
2:15.80 BRENT WALKER AUS
2:16.07 RENATO RAMALHO BRA
2:18.23 VADIM FORAFONOV RUS
2:18.36 MARCEL RINZLER USA
2:19.34 BRAD HOFFMAN USA
2:20.11 JEFF UTSCH USA
2:20.59 MAURO TORRI ITA
2:20.79 ROBERT BERRY USA
2:20.90 T PRECHEUR FRA

50 M. BRST

28.98 SETH VAN NEERDEN USA
29.37 ROBERT BUTCHER USA
30.49 TODD RADEL USA
30.55 C.WILLINSKY GER
30.66 MICHAL HOLY CZE
30.72 MARK SMITH USA
30.94 MICHAEL STELLMACH GER
30.97 MATTHEW WRIGHT AUS
31.01 MITSUGU HIRANO JPN
31.08 JON CLEVELAND USA

100 M. BRST

1:05.76 ROBERT BUTCHER USA
1:07.62 ABRAHAM SOLANO USA
1:07.72 TODD RADEL USA
1:08.80 C.WILLINSKY GER
1:09.12 CLAUDIO COSTA BRA
1:09.32 MITSUGU HIRANO JPN
1:09.41 MATTHEW WRIGHT AUS
1:09.77 S.TCHOUPRAKOV RUS
1:09.83 MICHAL HOLY CZE
1:09.94 MICHAEL STELLMACH GER

200 M. BRST

2:26.38 ROBERT BUTCHER USA
2:27.53 ABRAHAM SOLANO USA
2:29.34 TODD RADEL USA
2:30.74 RENATO CORDANI BRA
2:32.97 C.WILLINSKY GER
2:34.50 CLAUDIO COSTA BRA
2:34.56 MARK SMITH USA
2:35.09 MATTHEW KINNEY USA
2:35.31 GUY LACONTAL FRA
2:37.06 MATTHEW WRIGHT AUS

50 M. FLY

25.21 JIRI MIKULA CZE
25.31 JON WINTER NZL
25.38 MASATERU IKEDA JPN
25.40 V.HAVLICEK CZE
25.88 LARS GIRBIG GER
26.12 TAKESHI DANNO JPN
26.26 NIKOLAI KISSELEV RUS
26.27 MARCEL RINZLER USA
26.34 BRUNO EDLIOGER FRA
26.61 PHILIPPE MEYER SUI

100 M. FLY

57.07 JIRI MIKULA CZE
57.29 KARNEY MCNEAR USA
57.34 HIDEYUKI CHIGIRA JPN
57.44 MASATERU IKEDA JPN
57.75 JON WINTER NZL
58.82 ANTONIO BARILARI BRA
59.06 BRUNO EDLIOGER FRA
1:00.08 ULF HAUSMANN GER
1:00.15 BRENT WALKER AUS
1:00.20 PHILIPPE MEYER SUI

200 M. FLY

2:12.71 BRENT WALKER AUS
2:18.30 TOSHIKATSU KANDA JPN
2:19.29 CARSTEN OHMES GER
2:21.54 DIDIER MAATS BEL

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

2:21.64 FRANK TIEDEMANN GER
2:21.65 ANTONIO BARILARI BRA
2:22.07 HIROAKI KOMINAMI JPN
2:24.16 DIRK FISCHER GER
2:24.47 ALEJANDRO MORENO MEX
2:25.21 EUGEN STEFFEN GER

200 M. I.M.

2:14.34 ABRAHAM SOLANO USA
2:15.39 MARCEL RINZLER USA
2:15.40 RENATO RAMALHO BRA
2:15.45 VADIM FORAFONOV RUS
2:17.97 HARALD MAISCH GER
2:17.99 TODD RADEL USA
2:18.13 KOJI NAKAMURA JPN
2:18.33 LORENZO BENUCCI USA
2:19.01 JACK THOMAS USA
2:19.62 MATTHIAS SKERHUTT GER

400 M. I.M.

4:32.96 ALEX KOSTICH USA
4:50.33 RENATO RAMALHO BRA
4:58.76 TODD RADEL USA
5:00.59 H LEBLANC FRA
5:01.03 JACK THOMAS USA
5:02.03 BRAD HOFFMAN USA
5:02.36 T PRECHEUR FRA
5:02.51 DITMAR PETROV USA
5:08.07 BJORN FRIEDRICH GER
5:09.99 ALEJANDRO MORENO MEX

****
M E N 30-34
****

50 M. FREE

24.34 FERDINANDO MENDES BRA
24.58 JANNE VIRTANEN FIN
24.74 ROBERTO CLAUSI JR BRA
24.79 MARCEL EKKELBOOM GER
24.94 THOMAS FLEMMING GER
24.95 OLAF AHLERS GER
24.96 F DUCLOS FRA
24.97 BERT BERGEN USA
24.98 LARS HINNEBURG GER
25.07 M.MATTIA CONTI ITA

100 M. FREE

54.20 THOMAS FLEMMING GER
54.34 JOERG ENGEL GER
54.47 ROBERTO CLAUSI JR BRA
54.53 FRANZ MORTENSEN USA
54.94 MARCEL EKKELBOOM GER
55.00 L.MICHELOTTI ITA
55.21 STEPHEN STAHL USA
55.30 MANFRED KODER GER
55.51 RICHARD PEASE USA
55.51 MIRO MARUNIAK SVK

200 M. FREE

2:00.29 FRANZ MORTENSEN USA
2:00.49 MANFRED KODER GER
2:00.54 JORG ENGEL GER
2:00.97 EDVIN VAN NORDEN NED
2:01.96 STUART CROMARTY USA
2:01.98 STEPHEN STAHL USA
2:02.32 IGOR VAZHENIN USA
2:02.50 TODD BARRY USA
2:02.61 TOBIAS LERCH GER
2:02.84 JASON NIELSEN USA

400 M. FREE

4:21.40 DARREN TURNER AUS
4:22.88 STUART CROMARTY USA
4:23.00 TOBIAS LERCH GER
4:23.24 IGOR VASHENIN USA
4:23.48 JASON NIELSEN USA
4:23.98 ROBERT BEN GEISE USA
4:25.89 UWE LIEBERMANN GER
4:27.16 PAUL LEMMON AUS
4:28.61 SCOTT FREDERICK USA
4:28.64 FABRIZIO BORRELLI ITA

800 M. FREE

9:07.18 UWE LIEBERMANN GER
9:09.88 TOBIAS LERCH GER
9:13.60 TODD CLARK USA
9:15.76 ROBERT BEN GEISE USA
9:22.91 GEORGE EDELMAN USA
9:26.27 AL JAEGERS USA
9:29.64 JANNE SOININEN FIN
9:32.48 THOMAS KIPP GER
9:35.51 VOLKER MARTINS GER
9:36.01 MICHAEL COLLINS USA

1500 M. FREE

17:35.87 FRANZ MORTENSEN USA
17:37.10 UWE LIEBERMANN GER
17:48.77 EDWIN VAN NORDEN NED
17:52.70 ROBERT BEN GEISE USA
17:56.36 TODD CLARK USA
17:57.86 MARCO TENDERINI ITA
17:58.34 ROLAND KNOLL GER
18:08.90 TOBIAS LERCH GER
18:10.80 GEORGE EDELMAN USA
18:20.16 NOBUHIRO WAKIZAKA JPN

50 M. BACK

28.21 TOSHIHIRO KONDO JPN
29.35 IGORI DIRORDITA MLD
29.43 THOMAS FLEMMING GER
29.47 LIONEL DUWAT FRA
29.53 ANDREW PULSIFER USA
29.57 AL JAEGERS USA
29.81 MARKUS FOLLMAN GER
29.95 JANNE VIRTANEN FIN
30.03 RICARDO OGATA BRA
30.10 GEORG BACHER GER

100 M. BACK

1:01.88 TOSHIHIRO KONDO JPN
1:02.63 DANIEL WALLACE AUS
1:02.81 LIONEL DUWAT FRA
1:03.45 TAKESHI ITABASHI JPN
1:04.47 N LECHEVALLIER FRA
1:04.75 SVEN GRUNERT GER
1:04.95 RICHARD PEASE USA
1:05.00 MARKUS FOLLMAN GER
1:05.86 EDWIN VAN NORDEN NED
1:06.00 A.LAVEGLIA ITA

200 M. BACK

2:20.59 RICHARD PEASE USA
2:20.75 PAUL LEMMON AUS
2:21.01 LIONEL DUWAT FRA
2:21.11 TAKESHI ITABASHI JPN
2:21.14 SVEN GRUNERT GER
2:21.43 TOSHIHIRO KONDO JPN
2:22.14 UWE LIEBERMANN GER
2:22.43 A.LAVEGLIA ITA
2:22.63 LUTZ MOSES GER
2:23.19 JANNE SOININEN FIN

50 M. BRST

29.42 DMITRI VOLKOV RUS
29.98 WALLY DICKS USA
30.92 C.SOLLA GER
31.10 GERALD AHRENS GER
31.12 GAETANO GULLI ITA
31.18 NEWTON KAMINSKI BRA
31.54 JENS LUTSCHIN GER
31.64 JOACHIM KONIG GER
31.80 C.VILFROY FRA
31.82 RALF BUTTGEREIT GER

100 M. BRST

1:07.46 DMITRI VOLKOV RUS
1:09.89 MANFRED KODER GER
1:10.17 GERALD AHRENS GER
1:10.54 C.VILFROY FRA
1:10.76 YASUO NARUSHIMA JPN
1:10.98 C.SOLLA GER
1:11.13 GAETANO GULLI ITA
1:11.38 NEWTON KAMINSKI BRA
1:11.74 THOMAS KIPP GER
1:12.04 TSUYOSHI KATO JPN

200 M. BRST

2:34.03 EDWIN VAN NORDEN NED
2:34.36 THOMAS KIPP GER
2:34.92 D.COUDENYS BEL
2:35.88 SVEN GRUNERT GER
2:36.59 C.VILFROY FRA
2:37.02 NEWTON KAMINSKI BRA
2:38.62 YASUO NARUSHIMA JPN
2:39.05 PETER HEELEIN GER
2:39.54 PAUL LEMMON AUS
2:40.12 J.MELLADO FRA

50 M. FLY

26.11 DMITRI VOLKOV RUS
26.37 FLAVIO LYRA BRA
26.49 L.MICHELOTTI ITA
26.53 GERALD AHRENS GER
26.66 GEORG BACHER GER
26.70 LARS HINNEBURG GER
26.77 SERGUEI GRIGOROV BLR
26.94 HOLGER MICHELS GER
26.97 EDWIN VAN NORDEN NED
26.99 SHAWN JONES USA

100 M. FLY

58.19 RICHARD PEASE USA
58.77 JOERG ENGEL GER
58.90 ROBERTO CLAUSI JR BRA
59.19 GEORG BACHER GER
59.29 SERGUEI GRIGOROV BLR
59.46 C. JOHNSON USA
59.67 TAIHEI SAKA JPN
1:00.16 MATTHEW RANKIN USA
1:00.31 ALLAN BOWMAN AUS
1:00.40 A.LAVEGLIA ITA

200 M. FLY

2:12.36 JOERG ENGEL GER
2:15.65 ROBERTO CLAUSI JR BRA
2:16.48 IGOR VAZHENIN USA
2:16.50 A.LAVEGLIA ITA
2:18.17 OLIVIER GALLET FRA
2:18.40 STEPHEN STAHL USA
2:19.87 GERRY RODRIGUES USA
2:20.90 TODD CLARK USA
2:20.97 JURGEN WALTHER GER
2:21.13 OLEG LITVINOV USA

200 M. I.M.

2:15.43 EDWIN VAN NORDEN NED
2:15.73 SERGUEI GRIGOROV BLR
2:16.11 RICHARD PEASE USA
2:16.51 ALEXEI VLASSENKO RUS
2:17.55 MANFRED KODER GER
2:18.10 MATTHEW RANKIN USA
2:18.80 ROBERTO CLAUSI JR BRA
2:19.58 PAUL LEMMON AUS
2:19.65 ANDREW PULSIFER USA
2:19.70 A.LAVEGLIA ITA

400 M. I.M.

4:52.63 JUAN A FERNANDEZ ESP
4:56.73 PAUL LEMMON AUS
4:57.29 RICHARD PEASE USA
5:00.56 UWE LIEBERMANN GER
5:01.89 TODD CLARK USA
5:01.96 SVEN GRUNERT GER
5:06.56 A.LAVEGLIA ITA
5:07.45 A.TIBERTI ITA
5:08.10 STEPHEN STAHL USA
5:10.28 THOMAS KIPP GER

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M E N 35-39
****

50 M. FREE

23.80 STEFAN VOLERY SUI
24.95 KEVIN HOOK USA
24.96 DAVID BOATWRIGHT USA
25.01 RICARDO SANTOS BRA
25.12 KURT WIENANTS USA
25.14 JAMES LILLEY USA
25.17 HARTMUT TUERK GER
25.18 BRENT BARNS JPN
25.19 ROBERTO TARRICONE ITA
25.24 JOSEF HLADKY CZE
25.24 HELMUT WERNER GER

100 M. FREE

53.72 KEVIN HOOK USA
53.85 STEFAN VOLERY SUI
54.74 HELMUT WERNER GER
54.91 DAVID BOATWRIGHT USA
55.18 RALF RECKE GER
55.20 RICARDO SANTOS BRA
55.27 HARTMUT TUERK GER
55.51 JAMES LILLEY USA
55.65 KURT WIENANTS USA
55.97 JOSEF HLADKY CZE

200 M. FREE

1:58.66 KEVIN HOOK USA
2:01.96 JAMES LILLEY USA
2:02.91 RALF RACKE GER
2:03.08 KURT WIENANTS USA
2:03.71 GERRY RODRIGUES USA
2:03.74 RICARDO SANTOS BRA
2:04.25 DAVID BOATWRIGHT USA
2:04.30 JIMMY FURRER SUI
2:04.98 DANIEL MACHEK CZE
2:05.13 ROBERT HUDEK USA

400 M. FREE

4:21.61 JIMMY FURRER SUI
4:24.65 ROBERT HUDEK USA
4:25.55 CRIS WILLIAMS USA
4:26.22 DAMIANO NANETTI ITA
4:28.69 MIKE KECK USA
4:29.21 SCOTT RABALAIS USA
4:29.76 DANIEL MACHEK CZE
4:30.27 RALPH RECKE GER
4:30.55 BERNHARD KOMPF GER
4:34.91 H.ANDRESEN GER

800 M. FREE

9:04.36 JIMMY FURRER SUI
9:08.46 ROBERT HUDEK USA
9:08.73 ANDREW SAPPEY USA
9:14.61 MIKE KECK USA
9:14.78 DAMIANO NANETTI ITA
9:16.06 CRAIG NADEL USA
9:18.46 SCOTT RABALAIS USA
9:23.09 DANIEL MACHEK CZE
9:24.97 STEFANO SEGUITTI ITA
9:28.38 K.VAN OVERBEEKE NED

1500 M. FREE

17:17.00 JIMMY FURRER SUI
17:42.63 RUSSELL FLETCHER AUS
17:47.82 SCOTT RABALAIS USA
17:50.38 CRAIG NADEL USA
18:02.49 STEFANO SEGUITI ITA
18:05.89 H.ANDRESEN GER
18:13.46 BERNHARD KOMPF GER
18:21.11 LARRY BLACK USA
18:21.20 SCOTT SHAKE USA
18:26.31 K.VAN OVERBEEKE NED

50 M. BACK

29.08 WILLIAM SPECHT USA
29.15 KIM TERRELL AUS
29.29 RAMON VOLCAN VEN
29.30 J. CLAY BRITT USA
29.48 DARIUSZ WOLNY POL
29.59 CRAIG NORREY SUI
29.64 MOTOMU SUZUKI JPN
29.67 A.SIDORENKO UKR
29.80 PAOLO FELOTTI ITA
29.82 DONALD JENNINGS USA

100 M. BACK

1:02.11 MARK KERRY AUS
1:03.62 KIM TERRELL AUS
1:03.64 J. CLAY BRITT USA
1:03.88 WILLIAM SPECHT USA
1:04.03 STEVE GEORGE USA
1:04.18 DARIUSZ WOLNY POL
1:04.22 SCOTT SHAKE USA
1:04.62 MIKE FRAZER USA
1:04.73 BOB BURESH USA
1:05.31 CRAIG NORREY SUI

200 M. BACK

2:18.64 KIM TERRELL AUS
2:19.71 SCOTT SHAKE USA
2:20.07 WILLIAM SPECHT USA
2:20.27 DARIUSZ WOLNY POL
2:20.45 STEVE GEORGE USA
2:22.58 K.VAN OVERBEEKE NED
2:24.90 LAZSLO HAJDU HUN

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

2:25.12 JURGEN SIGWARTH GER
2:25.58 GORDON ANDREWS USA
2:25.69 ANDREAS SEIBT USA
50 M. BRST
30.18 GERALD MORKEN GER
30.85 STEPHEN COOK AUS
31.03 GERHARD AMMER GER
31.21 S.TAKAHASHI JPN
31.33 ROMAN PETROV RUS
31.45 ROBERTO TARRICONE ITA
31.53 DAVID GUTHRIE USA
31.94 HOLDEN BANK USA
31.96 A.O'DRISCOLL GBR
31.97 ASCANIO FERNANDEZ MEX
100 M. BRST
1:08.98 DAVID GUTHRIE USA
1:09.65 STEPHEN COOK AUS
1:12.00 ROBERTO TARRICONE ITA
1:12.41 A.O'DRISCOLL GBR
1:12.46 TONY HAINES AUS
1:12.57 TADASHI FUJIMOTO JPN
1:12.96 ROMAN PETROV RUS
1:12.97 MARK ERICKSON AUS
1:13.53 ASCANIO FERNANDEZ MEX
1:13.53 J.KOCHENDORFER USA
1:13.53 GERHARD AMMER GER
200 M. BRST
2:32.31 DAVID GUTHRIE USA
2:38.22 GARY PATTERSON USA
2:39.15 PAT ALLENDER USA
2:39.46 RALF SIMON GER
2:39.92 H.ANDRESEN GER
2:42.15 EDMUND GENDREAU USA
2:44.08 A.O'DRISCOLL GBR
2:44.29 PATRIC KENNY IRL
2:45.07 ASCANIO FERNANDEZ MEX
2:45.96 RENATO POSSANZINI ITA
50 M. FLY
26.52 RAMON VOLCAN VEN
26.75 WILLIAM SPECHT USA
26.81 ROBERTO TARRICONE ITA
26.83 KURT WIENANTS USA
26.85 STEPHAN GUESGEN GER
26.89 DAVID GIBSON USA
26.91 SKIP GRANTHAM USA
27.01 THOMAS MCCABE USA
27.06 RICARDO SANTOS BRA
27.19 BRENT BARNS JPN
100 M. FLY
58.65 WILLIAM SPECHT USA
59.60 RICARDO SANTOS BRA
1:00.32 KURT WIENANTS USA
1:00.40 SKIP GRANTHAM USA
1:00.52 ROBERT PLACAK USA
1:00.60 EDMUND GENDREAU USA
1:01.19 SERGIY FESENKO UKR
1:01.48 DAVID GIBSON USA
1:01.78 CHRIS ROTH USA
1:01.78 JAMES LILLEY USA
200 M. FLY
2:09.82 WILLIAM SPECHT USA
2:14.25 DAMIANO NANETTI ITA
2:19.87 GERRY RODRIGUES USA
2:20.80 CHRIS ROTH USA
2:20.98 HUGO BREGMAN NED
2:21.08 MIKE KECK USA
2:22.96 BERNHARD KOEMPF GER
2:25.33 RON COLLINS USA
2:26.28 JOSE TEIXEIRA N. BRA
2:26.30 EDUARDO DOMINGUES BRA
200 M. I.M.
2:18.38 JOSEF HLADKY CZE
2:18.42 DARIUSZ WOLNY POL
2:19.44 MIKE KECK USA
2:20.17 KURT WIENANTS USA
2:20.78 K.VAN OVERBEEKE NED
2:22.73 SERGIY FESENKO UKR
2:22.86 KIM TERRELL AUS
2:23.46 STEVE GEORGE USA
2:24.01 LUIZ ZULIETTI BRA

2:24.47 GREGORY DOZER USA
2:24.47 ANDREAS SEIBT USA
400 M. I.M.
5:01.05 MIKE KECK USA
5:07.40 KIRK ANDERSON USA
5:07.51 K.VAN OVERBEEKE NED
5:09.77 ANDREAS SEIBT USA
5:10.31 LUIZ ZULIETTI BRA
5:10.55 ROBERT HUDEK USA
5:15.80 SCOTT RABALAIS USA
5:16.53 TIZOC GUEMEZ MEX
5:17.10 HUGO BREGMAN NED
5:18.47 BRIAN VAILE USA

****
M E N 40-44
****
50 M. FREE
24.80 STU MARVIN USA
25.30 JACK GROSELLE USA
25.49 RICHARD HESS USA
25.61 JACK BABASHOFF USA
25.65 THOMAS MCCABE USA
25.69 BOB BROWN USA
25.77 M.STINCHCOMBE USA
25.80 MARK MORGAN AUS
25.81 MICHAEL KER CAN
25.83 V.GALAVTINE FRA
100 M. FREE
55.06 STU MARVIN USA
55.50 JACK GROSELLE USA
56.23 DAN STEPHENSON USA
56.31 MARK MORGAN AUS
56.64 RICHARD HESS USA
56.76 THOMAS MCCABE USA
56.80 JEFF PEROUT USA
57.06 DOUG SCHLAK USA
57.33 L.MEISENHEIMER USA
57.86 MICHAEL KER CAN
200 M. FREE
2:01.69 DAN STEPHENSON USA
2:05.88 THOMAS MCCABE USA
2:05.95 JACK GROSELLE USA
2:06.69 MARK MORGAN AUS
2:07.31 LARRY WOOD USA
2:07.38 JEFF PEROUT USA
2:08.03 SPENCER ELDRED USA
2:08.54 WILLIAM HEMPEL USA
2:08.91 PETER KAUCH GER
2:09.00 CHARLES QUIBELL RSA
400 M. FREE
4:28.07 DAN STEPHENSON USA
4:35.99 JAMES STEWART USA
4:36.13 NEIL WASSERMAN USA
4:36.44 LARRY WOOD USA
4:36.47 ROB COPELAND USA
4:37.16 FRANCIS CHRISTIAN AUS
4:37.39 SIMON VEALE GBR
4:38.31 GORAN ANDERSSON SWE
4:38.38 FRED FERROGGIARO USA
4:40.82 EDDIE RIACH USA
800 M. FREE
9:24.98 DAN STEPHENSON USA
9:29.51 JAMES STEWART USA
9:33.25 ROB COPELAND USA
9:34.53 EDDIE RIACH USA
9:36.01 LARRY WOOD USA
9:36.43 SIMON VEALE GBR
9:40.04 GORAN ANDERSSON SWE
9:40.83 FRED FERROGGIARO USA
9:42.83 FRANCIS CHRISTIAN AUS
9:42.92 WILLIAM HEMPEL USA
1500 M. FREE
18:11.32 FRANCIS CHRISTIAN AUS
18:24.08 LARRY WOOD USA
18:29.31 NEIL WASSERMAN USA
18:47.83 STEVE PRESCOTT NZL
19:02.46 NED MAGGIORA USA
19:02.74 DAVID SCHRADER USA
19:04.37 ROBERT WRIGHT USA

19:07.23 M JOUANDON FRA
19:12.87 MIKE RYDER USA
19:16.59 S HUGOT FRA
50 M. BACK
29.47 THOMAS WOLF USA
30.51 OSCAR GUTIERREZ MEX
30.56 JEFF PEROUT USA
30.70 MARK LIST USA
30.80 P BAEHR FRA
30.86 RYSZARD ZUGAY GER
31.09 MARK PUGLIESE USA
31.27 SHIGERU HIRAOKA JPN
31.36 SERGUEI LIPSKI RUS
31.36 EDDIE RIACH GBR
100 M. BACK
1:03.72 THOMAS WOLF USA
1:06.16 ROBERT CROWDER USA
1:06.51 MARK LIST USA
1:06.52 JEFF PEROUT USA
1:07.48 EDDIE RIACH GBR
1:07.86 RYSZARD ZUGAY GER
1:08.33 WIESLAW MUSIAL CAN
1:08.43 JOSE URUETA MEX
1:08.48 MARK PUGLIESE USA
1:08.59 FRED FERROGGIARO USA
200 M. BACK
2:20.52 THOMAS WOLF USA
2:24.89 MARK LIST USA
2:25.38 FRED FERROGGIARO USA
2:25.57 EDDIE RIACH GBR
2:25.75 ROBERT CROWDER USA
2:28.16 SHIGERU HIRAOKA JPN
2:29.00 PAUL WINDRATH USA
2:29.07 PAUL FETTERS USA
2:30.67 JOSE URUETA MEX
2:30.73 JEFF PEROUT USA
50 M. BRST
30.91 DOUG MALCOLM USA
30.99 RICK HOFSTETTER USA
31.05 GLEN CHRISTIANSEN SWE
31.79 SPENCER ELDRED USA
31.90 TIMOUR PODMAREV RUS
32.28 JACK GROSELLE USA
32.30 MICHEL FOREST FRA
32.30 MARCO GRAZIOLI ITA
32.53 JURGEN BRUHN GER
32.60 STUART CORLISS USA
100 M. BRST
1:09.47 DOUG MALCOLM USA
1:09.77 GLEN CHRISTIANSEN SWE
1:10.44 TIMOUR PODMAREV RUS
1:10.46 RICK HOFSTETTER USA
1:10.81 YOSHIHIDE KAGAMI JPN
1:11.27 SPENCER ELDRED USA
1:11.61 JURGEN BRUHN GER
1:12.76 STUART CORLISS USA
1:13.74 RONNY OLTNER SWE
1:14.19 PETER KAUCH GER
200 M. BRST
2:31.90 TIMOUR PODMAREV RUS
2:34.97 GLEN CHRISTIANSEN SWE
2:37.94 SPENCER ELDRED USA
2:38.09 DOUG MALCOLM USA
2:39.46 JURGEN BRUHN GER
2:40.46 STUART CORLISS USA
2:40.67 MATTHEW KANZLER USA
2:40.98 YOSHIHIDE KAGAMI JPN
2:43.78 PETER KAUCH GER
2:45.74 PATRICK DIBIASE USA
50 M. FLY
26.85 RICHARD HESS USA
27.01 THOMAS MCCABE USA
27.37 MARK MORGAN AUS
27.45 JAMES BELARDI USA
27.62 FREDERICK EHMKE USA
27.88 H.SCHNURRENBERGER SUI
27.89 M.STINCHCOMBE USA
27.92 CRAIG BURNS USA
28.17 JACK GROSELLE USA
28.20 V.GALAVTINE FRA

100 M. FLY
59.64 JAMES BELARDI USA
1:01.46 RICHARD HESS USA
1:01.57 KERRY O'BRIEN USA
1:01.68 STUART CORLISS USA
1:01.92 MARK MORGAN AUS
1:01.94 THOMAS MCCABE USA
1:03.57 SIMON VEALE GBR
1:03.78 CRAIG BURNS USA
1:03.80 MATTHEW KANZLER USA
1:04.52 JOHN CRAIG USA
1:04.52 PETER KAUCH GER
200 M. FLY
2:11.53 JAMES BELARDI USA
2:19.92 KERRY O'BRIEN USA
2:21.95 MATTHEW KANZLER USA
2:22.88 NEIL WASSERMAN USA
2:23.55 GLEN CHRISTIANSEN SWE
2:26.82 FRANCIS CHRISTIAN AUS
2:27.52 KAZUHIRO OTSUKA JPN
2:29.80 GIULIO TEDODORI ITA
2:30.53 ROBERT WRIGHT USA
2:33.08 S HUGOT FRA
200 M. I.M.
2:20.67 JAMES BELARDI USA
2:21.06 SPENCER ELDRED USA
2:21.34 DAN STEPHENSON USA
2:23.30 THOMAS WOLF USA
2:24.62 STUART CORLISS USA
2:25.10 RICHARD HESS USA
2:26.00 JEFFREY KAMLER USA
2:26.16 GLEN CHRISTIANSEN SWE
2:26.84 SIMON VEALE GBR
2:27.02 PETER KAUCH GER
400 M. I.M.
5:08.94 SPENCER ELDRED USA
5:11.85 MATTHEW KANZLER USA
5:13.15 NEIL WASSERMAN USA
5:15.72 STUART CORLISS USA
5:18.12 EDDIE RIACH GBR
5:21.11 PETER KAUCH GER
5:23.24 LARRY WOOD USA
5:25.25 MARIO GOMES BRA
5:27.13 RICHARD FORRESTEL USA
5:28.08 DAVID BURLESON USA

****
M E N 45-49
****
50 M. FREE
25.92 C.MILTENBERGER USA
26.10 LEONARD BIELICZ POL
26.18 VILEM CEJKA CZE
26.37 HIROYUKI AMAZAKI JPN
26.45 CRAIG BURNS USA
26.56 GERD KRUGER GER
26.61 STEVE HECK USA
26.65 RANDY SIMONS USA
26.66 BRUCE WILLIAMSON AUS
26.67 JOHN MEADE USA
100 M. FREE
57.09 C.MILTENBERGER USA
57.79 VILEM CEJKA CZE
58.43 TIM BRODERICK USA
58.46 CRAIG BURNS USA
58.58 H.HARBRECHT GER
59.05 BOO GRANER-GALLAS USA
59.14 HIROYUKI AMAZAKI JPN
59.37 LEONARD BIELICZ POL
59.39 GERD KRUGER GER
59.79 BRUCE WILLIAMSON AUS
200 M. FREE
2:04.80 TIM BRODERICK USA
2:08.57 R. TOD SPIEKER USA
2:10.82 GERD KRUGER GER
2:11.57 H.HARBRECHT GER
2:11.78 CRAIG BURNS USA
2:13.11 KEITH BELL USA
2:14.51 FRANK THOMPSON USA
2:14.96 PAUL MEYER USA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

2:15.03	LUIS PINEYRO	MEX	1:12.38	TIM SHEAD	RSA	50 M. FREE			1:10.37	JOHN CALVERT	USA
2:17.26	STEVE HECK	USA	1:12.44	C.MILTENBERGER	USA	26.44	STEVE CLARK	USA	1:10.66	DICK THOMAS	USA
400 M. FREE			1:14.46	RICHARD BOHAN	USA	26.46	KEEFE LODWIG	USA	1:11.79	DANIEL ROGACKI	USA
4:33.46	R. TOD SPIEKER	USA	1:14.47	GRED KRUGER	GER	26.60	STEVE BOROWSKI	USA	1:11.80	JOZSEF CSIKANY	HUN
4:44.25	KEITH BELL	USA	1:15.93	ROBERT PUELS	USA	26.66	DAVID PADGETT	USA	1:13.85	JAMES KING	USA
4:47.36	FRANK THOMPSON	USA	1:16.12	TOSHIHARU FUJII	JPN	26.82	JAMES ELDER	USA	1:14.11	JOHN GORDON	GBR
4:47.96	JOEL WILSON	USA	1:16.61	MIKE WHITAKER	USA	27.08	PAUL MEYER	USA	1:14.22	PETER HEEREN	GER
4:50.13	DAVID OWEN	USA	1:16.63	GUSTAVO SALCEDO	MEX	27.08	ROBERT STRAND	USA	1:14.31	GENNADI PIKINE	RUS
4:51.22	GAARD ARNESON	USA	1:16.80	DALE KORNER	USA	27.19	KATSUTAKA IZUMI	JPN	200 M. BACK		
4:52.72	LUIS PINEYRO	MEX	1:16.94	GREG HARRISON	USA	27.27	DANIEL ROGACKI	USA	2:29.35	TIM BIRNIE	USA
4:52.76	FELIX GMUNDER	SUI	200 M. BRST			27.40	BERND SCHRODER	GER	2:31.97	JOHN CALVERT	USA
4:55.58	STEPHEN JOHNSON	USA	2:41.13	GREG HARRISON	USA	100 M. FREE			2:33.20	HUGH WILDER	USA
4:56.66	JACEK KRAWCZYK	POL	2:44.40	GERD KRUGER	GER	57.93	KEEFE LODWIG	USA	2:38.92	JOZSEF CSIKANY	HUN
800 M. FREE			2:44.48	HERBERT BLOCH	GER	59.05	BOO GRANER-GALLAS	USA	2:43.90	J.LESTIDEAU	FRA
9:32.27	R. TOD SPIEKER	USA	2:46.33	TOSHIHARU FUJII	JPN	59.82	PETER WISNER	USA	2:44.59	JAMES KING	USA
9:51.84	KEITH BELL	USA	2:46.80	C.MILTENBERGER	USA	59.85	STEVE CLARK	USA	2:44.71	JOHN GORDON	GBR
9:57.76	FRANK THOMPSON	USA	2:46.98	RICHARD BOHAN	USA	1:00.30	TIM BIRNIE	USA	2:45.02	PAUL HEBERT	USA
9:59.15	GERD KRUGER	GER	2:49.66	MANFRED ZEHR	GER	1:00.32	ROBERT STRAND	USA	2:46.03	JOSEPH GUIGNON	USA
10:00.17	GAARD ARNESON	USA	2:50.78	DALE KORNER	USA	1:01.13	PAUL MEYER	USA	2:46.12	JOHN SULTAN	USA
10:02.55	JOEL WILSON	USA	2:51.22	ALLEN STARK	USA	1:01.26	GLENN WOODSUM	USA	50 M. BRST		
10:03.37	DAVID OWEN	USA	2:51.35	OSVALDO BORETTO	ARG	1:01.40	RICHARD ARLUCK	USA	32.44	DON MC KENZIE	USA
10:06.65	RICK WALKER	USA	50 M. FLY			1:01.73	GABOR CSABA	HUN	33.52	ROBERT STRAND	USA
10:08.82	FELIX GMUNDER	SUI	27.92	CRAIG BURNS	USA	200 M. FREE			33.53	DANIEL ROGACKI	USA
10:12.22	STEPHEN JOHNSON	USA	28.03	STEVE BOROWSKI	USA	2:12.44	PETER WISNER	USA	33.96	KENNETH FROST	USA
1500 M. FREE			28.35	LEONARD BIELICZ	POL	2:13.04	PAUL MC CORMICK	USA	34.61	ROD CARGILL	USA
18:52.54	KEITH BELL	USA	28.66	MARK PUGLIESE	USA	2:13.42	TIM BIRNIE	USA	34.63	KLAUS KATZUR	GER
19:34.13	DAVID OWEN	USA	28.70	JOHN MEADE	USA	2:14.42	KEEFE LODWIG	USA	34.70	YOSHITADA MAEDA	JPN
19:44.68	P MORIN	FRA	28.86	JOHN MCCALL	USA	2:14.96	PAUL MEYER	USA	34.80	PETER BALASY	HUN
19:46.08	JORGE GONZALEZ	USA	28.92	BOO GRANER-GALLAS	USA	2:15.39	MOSHE GERTEL	ISR	34.95	PETER HOFFT	GER
19:50.79	FRANK THOMPSON	USA	28.96	KEVIN MCCORMACK	USA	2:17.35	D.UYTENBOGAART	NED	34.99	DIETER HOFEL	GER
19:55.37	JORG KUSTERMANN	GER	29.10	SHIGEO HARA	JPN	2:19.00	DONALD GALINE	USA	100 M. BRST		
19:57.81	GAARD ARNESON	USA	29.16	GERD KRUGER	GER	2:19.00	DUNCAN MCCREADIE	GBR	1:12.32	DON MC KENZIE	USA
20:10.25	JOHN EDWARDS	USA	100 M. FLY			2:20.33	RICHARD ARLUCK	USA	1:14.45	ROBERT STRAND	USA
20:32.46	EDWARD STRACK	USA	1:02.94	BOO GRANER-GALLAS	USA	400 M. FREE			1:16.36	PETER WISNER	USA
20:38.10	BRETT SORGE	USA	1:03.78	CRAIG BURNS	USA	4:48.67	D.UYTENBOGAART	NED	1:16.91	KENNETH FROST	USA
50 M. BACK			1:04.50	LEONARD BIELICZ	POL	4:49.05	PAUL MC CORMICK	USA	1:16.99	DANIEL ROGACKI	USA
31.09	MARK PUGLIESE	USA	1:04.91	ERIC HENDERSON	GBR	4:51.25	MOSHE GERTEL	ISR	1:18.53	ROD CARGILL	USA
31.34	MARK MADER	USA	1:05.02	SHIGEO ASANO	JPN	4:59.74	VADIM KOUTSENKO	UKR	1:18.91	PETER BALASY	HUN
31.61	JOHN SPIRE	USA	1:05.56	JOHN MCCALL	USA	5:00.49	JC FAURE	FRA	1:19.12	WILLIAM GONZALEZ	USA
31.72	DICK THOMAS	USA	1:06.21	KEITH BELL	USA	5:07.03	JEFFERSON BANKS	AUS	1:19.64	DIETER HOFEL	GER
31.74	YUKIO SHIROTA	JPN	1:07.21	ALAN BELL	USA	5:08.42	BOB COUCH	USA	1:19.72	KLAUS KATZUR	GER
32.07	WILLIAM TINGLEY	USA	1:07.43	DAVID LEVINSON	USA	5:09.13	GARY BRENNER	USA	200 M. BRST		
32.17	JOSE SANTIBAEZ	MEX	1:07.60	GARY BASTIE	USA	5:09.38	RUSSELL PHEGAN	AUS	2:45.85	ROBERT STRAND	USA
32.27	ALAIN VANACKER	FRA	200 M. FLY			5:09.52	BRETT SORGE	USA	2:49.13	DANIEL ROGACKI	USA
32.41	BAUDOIN FAUCK	FRA	2:26.17	BOO GRANER-GALLAS	USA	800 M. FREE			2:50.12	PETER WISNER	USA
32.51	JOSE ORLANDO LORO	BRA	2:26.51	MURRAY BURNS	AUS	9:48.17	D.UYTENBOGAART	NED	2:50.44	WILLIAM GONZALEZ	USA
100 M. BACK			2:30.09	KEITH BELL	USA	9:58.43	PAUL MC CORMICK	USA	2:51.88	KENNETH FROST	USA
1:08.48	MARK PUGLIESE	USA	2:31.64	DAVE TANNER	USA	10:20.70	BILL DARBY	USA	2:53.19	GERSHON SHEFA	ISR
1:08.82	RICHARD BOBER	USA	2:33.02	JOEL WILSON	USA	10:21.02	MOSHE GERTEL	ISR	2:53.35	ROD CARGILL	USA
1:09.63	WILLIAM TINGLEY	USA	2:34.39	JACEK KRAWCZYK	POL	10:26.07	BRETT SORGE	USA	2:57.54	D.UYTENBOGAART	NED
1:09.83	JOHN SPIRE	USA	2:34.53	ALAN BELL	USA	10:26.23	JC FAURE	FRA	2:57.65	DAVE GEMMILL	USA
1:10.15	R. TOD SPIEKER	USA	2:38.20	DAVID LEVINSON	USA	10:26.68	JOHN SULTAN	USA	2:58.32	PETER HOFFT	GER
1:10.34	ALAIN VANACKER	FRA	2:38.97	FRED SCHLICHER	USA	10:26.83	VADIM KOUTSENKO	UKR	50 M. FLY		
1:10.66	DICK THOMAS	USA	2:40.96	SHIGEO ASANO	JPN	10:34.39	MILTON ACKERMAN	USA	28.03	STEVE BOROWSKI	USA
1:10.77	FRANK THOMPSON	USA	200 M. I.M.			10:36.38	JAMES BEGLINGER	USA	28.37	KEEFE LODWIG	USA
1:12.12	SANTIAGO ESTEVA	ESP	2:27.91	GERD KRUGER	GER	1500 M. FREE			28.39	JOEL BURNS	USA
1:12.60	TIMOTHY HUESKEN	USA	2:32.81	STEVEN HECK	USA	19:10.75	D.UIJETENBOGAART	NED	28.92	BOO GRANER-GALLAS	USA
200 M. BACK			2:32.84	JACEK KRAWCZYK	POL	19:39.68	JC FAURE	FRA	29.04	BERND SCHRODER	GER
2:30.58	R. TOD SPIEKER	USA	2:35.13	JOEL WILSON	USA	20:21.10	BOB COUCH	USA	29.38	DICK THOMAS	USA
2:31.99	MARK PUGLIESE	USA	2:35.21	JORGE URRETA	MEX	20:36.04	YASUNOBU AKAMURA	JPN	29.41	JOSEP CLARET	ESP
2:32.93	FRANK THOMPSON	USA	2:35.71	FRANK THOMPSON	USA	21:17.50	MARIO PATERNI	ITA	29.57	TONY JARVIS	CAN
2:35.01	WILLIAM TINGLEY	USA	2:36.71	PETER WISNER	USA	21:19.95	FRANCIS GODDEN	AUS	29.64	JAMES ELDER	USA
2:35.63	JACEK KRAWCZYK	POL	2:36.75	GUSTAVO SALCEDO	MEX	21:24.33	WOLFGANG KONIG	GER	29.93	GABOR CSABA	HUN
2:36.99	ALAIN VANACKER	FRA	2:37.13	MAL JESTER	USA	21:27.69	CHRIS JENSEN	USA	100 M. FLY		
2:37.67	EBBE RASMUSSEN	DEN	2:37.80	DAVID LEVINSON	USA	21:36.46	WILLIAM HERZER	USA	1:02.94	BOO GRANER-GALLAS	USA
2:37.86	RICHARD BOBER	USA	400 M. I.M.			21:36.81	PAUL HEBERT	USA	1:05.76	JOEL BURNS	USA
2:38.05	ALAN BELL	USA	5:25.53	R. TOD SPIEKER	USA	50 M. BACK			1:06.53	BERND SCHRODER	GER
2:40.15	STEVE SELIG	AUS	5:25.99	GERD KRUGER	GER	30.63	HUGH WILDER	USA	1:07.03	JOHN CALVERT	USA
50 M. BRST			5:33.75	KEITH BELL	USA	31.30	RICK CLEWIS	USA	1:07.82	ROBERT POILETMAN	USA
32.47	TIM SHEAD	RSA	5:38.87	FRANK THOMPSON	USA	31.57	TIM BIRNIE	USA	1:08.55	JOSEP CLARET	ESP
32.49	C.MILTENBERGER	USA	5:39.94	HERBERT BLOCH	GER	31.72	DICK THOMAS	USA	1:08.67	GABOR CSABA	HUN
33.21	RICHARD BOHAN	USA	5:40.02	STEVE MCELRATH	USA	32.31	JOZSEF CSIKANY	HUN	1:09.70	KEEFE LODWIG	USA
33.23	TOSHIHARU FUJII	JPN	5:43.91	DAVID LEVINSON	USA	32.37	DANIEL ROGACKI	USA	1:09.84	GIAMPIERO FOSSATI	ITA
33.31	GERD KRUGER	GER	5:44.10	JORGE URRETA	MEX	32.49	DAVID KERR	USA	1:10.00	DAVE GEMMILL	USA
33.42	GUSTAVO SALCEDO	MEX	5:45.53	HANS-PETER BELLEN	GER	32.49	PETER HEEREN	GER	200 M. FLY		
33.74	OSVALDO BORETTO	ARG	5:47.73	A VANACKER	FRA	32.92	J.LESTIDEAU	FRA	2:26.17	BOO GRANER-GALLAS	USA
33.92	ROBERT PUELS	USA				33.12	JESUS CABRERA	ESP	2:34.39	ROBERT POILETMAN	USA
33.96	ARTHUR HALTTUNEN	USA	**********			100 M. BACK			2:42.12	GABOR CSABA	HUN
34.31	WARREN CRESWICK	AUS	M E N 50-54			1:07.16	HUGH WILDER	USA	2:43.56	JOEL BURNS	USA
100 M. BRST			**********			1:08.66	TIM BIRNIE	USA	2:43.58	JC FAURE	FRA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

2:45.14	D.UYTENBOGAART	NED
2:50.41	RAFAEL HERNANDEZ	MEX
2:50.74	BERND SCHRODER	GER
2:53.10	NIKOLAI KOULAKOV	RUS
2:54.03	JOHN SULTAN	USA
200 M. I.M.		
2:29.01	JOHN CALVERT	USA
2:30.47	PETER WISNER	USA
2:32.19	ROBERT STRAND	USA
2:36.49	JOHN SULTAN	USA
2:39.52	GERSHON SHEFA	ISR
2:39.76	DANIEL ROGACKI	USA
2:39.80	JAMES BEGLINGER	USA
2:39.99	WILLIAM GONZALEZ	USA
2:40.07	D.UYTENBOGAART	NED
2:40.65	TOM MEADE	USA
400 M. I.M.		
5:26.11	JOHN CALVERT	USA
5:36.39	D.UYTENBOGAART	NED
5:36.39	WILLIAM GONZALEZ	USA
5:46.00	JOHN SULTAN	USA
5:50.30	DANIEL ROGACKI	USA
5:53.53	BRETT SORGE	USA
5:55.43	JC FAURE	FRA
5:56.98	BOB COUCH	USA
5:58.59	PAUL WYATT	AUS
6:02.00	JAMES BEGLINGER	USA

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M E N 55-59

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50 M. FREE		
27.55	VINUS VAN BAALEN	CAN
27.60	BRUCE CLARK	USA
27.76	JACK GEOGHEGAN	USA
27.92	RYUJI TAKAMINE	JPN
28.12	PETER BERGENGREN	SWE
28.15	G KOESSLER	FRA
28.15	L DUCLAUD	FRA
28.15	HIROSHI MARUYAMA	JPN
28.15	ANATOLI KHITROV	RUS
28.16	RICHARD BASSI	USA
100 M. FREE		
59.82	JACK GEOGHEGAN	USA
1:02.17	BRUCE CLARK	USA
1:02.83	PETER BERGENGREN	SWE
1:03.34	EDWARD CAZALET	USA
1:03.40	RICHARD BASSI	USA
1:03.40	HIROSHI MARUYAMA	JPN
1:03.54	TONY CHERRINGTON	GBR
1:03.74	G KOESSLER	FRA
1:03.85	JERRY CLARK	USA
1:04.02	ANTHONY STRAHAN	AUS
200 M. FREE		
2:17.67	JACK GEOGHEGAN	USA
2:18.41	SANDY GALLETLY	GBR
2:19.01	VITTORIO ERMIRIO	ITA
2:20.58	EDWARD CAZALET	USA
2:22.62	BRUCE CLARK	USA
2:22.96	DAVID HARRISON	USA
2:24.73	ANATOLI KHITROV	RUS
2:25.67	JERRY CLARK	USA
2:25.88	KOJI IWAMOTO	JPN
2:27.20	FABRIZIO MOMONI	ITA
400 M. FREE		
4:53.53	JACK GEOGHEGAN	USA
4:54.22	SANDY GALLETLY	GBR
4:55.87	VITTORIO ERMIRIO	ITA
5:03.24	EDWARD CAZALET	USA
5:06.20	DAVID HARRISON	USA
5:13.00	FABRIZIO MOMONI	ITA
5:13.25	BARRY YOUNG	NZL
5:14.10	ANTHONY STRAHAN	AUS
5:16.15	STEVEN THRASHER	USA
5:17.40	NIC GEERS	NED
800 M. FREE		
10:05.10	SANDY GALLETLY	GBR
10:16.50	VITTORIO ERMIRIO	ITA
10:31.63	EDWARD CAZALET	USA
10:35.77	DAVID HARRISON	USA
10:39.76	JACK GEOGHEGAN	USA
10:54.59	STEVEN THRASHER	USA
10:59.61	ANATOLI KHITROV	RUS
11:00.04	T.(TEX) HARASZTI	USA
11:00.06	NIC GEERS	NED
11:04.61	ALFRED JACOB	HUN
1500 M. FREE		
19:52.45	VITTORIO ERMIRIO	ITA
21:15.91	FABRIZIO MOMONI	ITA
21:19.58	NIC GEERS	NED
21:28.25	HIROYASU TAKAGI	JPN
21:29.43	STEVEN KOVARY	USA
21:57.29	HILRICH LUPKES	GER
22:09.40	ANTHONY STRAHAN	AUS
22:11.30	GEORGE MANN	USA
22:11.68	ROBERT WILLIAMS	USA
22:12.11	PATRICK SCHLUP	USA
50 M. BACK		
32.36	JACK GEOGHEGAN	USA
32.66	VINUS VAN BAALEN	CAN
32.70	JURGEN DIETZE	GER
32.94	MIKLOS KOVATS	HUN
34.02	RICHARD BASSI	USA
34.03	CEDOMIR ZLATIC	USA
34.18	TONY CHERRINGTON	GBR
34.22	HIROSHI NONAKA	JPN
34.60	JOHN SMITH	USA
34.64	STEVEN THRASHER	USA
100 M. BACK		
1:12.30	STEVEN THRASHER	USA
1:15.61	EDWARD CAZALET	USA
1:15.91	BARRY YOUNG	NZL
1:16.30	HIROSHI NONAKA	JPN
1:16.57	MILKOS KOVATS	HUN
1:16.58	BRUCE CLARK	USA
1:16.69	RICHARD BASSI	USA
1:17.69	TONY CHERRINGTON	GBR
1:18.49	J LEFEVRE	FRA
1:19.15	MASAYA OCHIAI	JPN
200 M. BACK		
2:39.36	STEVEN THRASHER	USA
2:39.91	BARRY YOUNG	NZL
2:41.20	EDWARD CAZALET	USA
2:44.29	HEINZ HUBNER	GER
2:50.66	TONY CHERRINGTON	GBR
2:53.09	RICHARD BASSI	USA
2:53.18	GERARDO STEUDEL	ESP
2:53.46	JERRY GLANCY	USA
2:53.96	MASAYA OCHIAI	JPN
2:54.43	J LEFEVRE	FRA
50 M. BRST		
34.66	YOSHIHIKO OSAKI	JPN
35.49	PETER KUNZE	GER
36.51	E.KIRJAVAINEN	FIN
36.56	W.BUCZKOWSKI	POL
36.89	ALBERT KOSTITSIN	FIN
36.99	HEINZ TESSLER	GER
37.08	TATSUO ASAI	JPN
37.10	BERND LORENZ	GER
37.10	KENRO ISHIDA	JPN
37.27	HIROSHI NONAKA	JPN
100 M. BRST		
1:19.12	WILLIAM GONZALEZ	USA
1:22.32	ALBERT KOSTITSIN	FIN
1:22.95	PETER KUNZE	GER
1:23.74	HEINZ TESSLER	GER
1:24.03	E.KIRJAVAINEN	FIN
1:24.51	KARL ODKOLEK	GER
1:24.57	HANS DALL	GER
1:24.77	TATSUO ASAI	JPN
1:25.32	W.BUCZKOWSKI	POL
1:25.34	HELMUT BEER	GER
200 M. BRST		
2:50.44	WILLIAM GONZALEZ	USA
3:03.12	T.(TEX) HARASZTI	USA
3:08.10	HELMUT BEER	GER
3:08.19	KARL ODKOLEK	GER
3:08.77	HANS DALL	GER
3:09.01	ROBERT KRASZNAI	HUN
3:09.13	BARRY YOUNG	NZL
3:09.22	E.KIRJAVAINEN	FIN
3:09.45	GUENTER SCHMAH	GER
3:11.17	ALLAN CARTWRIGHT	USA
50 M. FLY		
29.51	RICHARD BASSI	USA
29.56	KOJI IWAMOTO	JPN
30.15	CAPPY SHEELEY	USA
30.17	CHITOSHI KONISHI	JPN
30.22	RYUJI TAKAMINE	JPN
30.26	MASAO KISHIMA	JPN
30.70	JACK GEOGHEGAN	USA
30.81	ROBERT WILLIAMS	USA
30.87	G KOESSLER	FRA
30.87	PETER GILMOUR	AUS
100 M. FLY		
1:07.68	PETER GILMOUR	AUS
1:08.94	KOJI IWAMOTO	JPN
1:10.10	JACK GEOGHEGAN	USA
1:11.79	CAPPY SHEELEY	USA
1:13.19	ALLAN CARTWRIGHT	USA
1:13.88	CHITOSHI KONISHI	JPN
1:14.79	DAVID GILLANDERS	USA
1:15.44	VITTORIO ERMIRIO	ITA
1:15.45	HUGH RODDIN	USA
1:15.53	HELMUT BEER	GER
200 M. FLY		
2:34.90	PETER GILMOUR	AUS
2:47.14	KOJI IWAMOTO	JPN
2:53.36	GUNTER SCHOPKE	GER
3:00.09	HELMUT BEER	GER
3:01.62	LAWRENCE NORDELL	USA
3:04.23	MEL GOLDSTEIN	USA
3:05.09	HUGH RODDIN	USA
3:05.21	ALFRED JACOB	HUN
3:06.78	PAUL KURHAJEC	AUT
3:09.02	CAPPY SHEELEY	USA
200 M. I.M.		
2:39.32	EDWARD CAZALET	USA
2:39.40	BRUCE CLARK	USA
2:39.99	WILLIAM GONZALEZ	USA
2:43.08	VITTORIO ERMIRIO	ITA
2:44.51	CAPPY SHEELEY	USA
2:45.54	HIROSHI NONAKA	JPN
2:45.62	KOJI IWAMOTO	JPN
2:49.10	ANATOLI KHITROV	RUS
2:49.32	ALLAN CARTWRIGHT	USA
2:50.49	E.KIRJAVAINEN	FIN
400 M. I.M.		
5:36.39	WILLIAM GONZALEZ	USA
5:44.49	EDWARD CAZALET	USA
5:46.48	ALLAN CARTWRIGHT	USA
5:57.25	PETER GILMOUR	AUS
6:02.03	BARRY YOUNG	NZL
6:11.19	HELMUT BEER	GER
6:12.11	CAPPY SHEELEY	USA
6:12.76	HORST EXNER	GER
6:14.31	ALFRED JACOB	BRA
6:19.26	ROBERT WILLIAMS	USA

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M E N 60-64

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50 M. FREE		
28.06	TOSHIHIRO HAYASHI	JPN
28.34	JERRY CLARK	USA
28.41	JEFF FARRELL	USA
28.72	BOB BAILIE	USA
28.75	CAV CAVANAUGH	USA
29.17	CAHRLES THOMANN	FRA
29.42	NIKOLAY KAPAS	UKR
29.47	BILL EARLEY	USA
29.64	WILIAM ROBERTSON	USA
29.79	JOHN MCDIARMID	AUS
100 M. FREE		
1:01.43	JEFF FARRELL	USA
1:03.63	TOSHIHIRO HAYASHI	JPN
1:03.85	JERRY CLARK	USA
1:04.49	CAV CAVANAUGH	USA
1:05.08	DAVID RADCLIFF	USA
1:05.25	BOB BAILIE	USA
1:05.40	BILL ROBERTSON	USA
1:06.29	CAHRLES THOMANN	FRA
1:06.60	DAVID HARRISON	USA
1:08.09	KAZUYA NISHINO	JPN
200 M. FREE		
2:21.70	JEFF FARRELL	USA
2:22.96	DAVID HARRISON	USA
2:25.02	KAZUYA NISHINO	JPN
2:25.67	JERRY CLARK	USA
2:25.71	BILL ROBERTSON	USA
2:27.91	CAV CAVANAUGH	USA
2:28.19	DAVID RADCLIFF	USA
2:29.97	TOSHIHIRO HAYASHI	JPN
2:30.87	ERNIE LESKOVITZ	USA
2:34.33	JOHN CRISP	AUS
400 M. FREE		
5:06.20	DAVID HARRISON	USA
5:17.87	KAZUYA NISHINO	JPN
5:18.36	DAVID RADCLIFF	USA
5:29.87	JERRY CLARK	USA
5:31.67	BILL ROBERTSON	USA
5:32.68	ERNIE LESKOVITZ	USA
5:33.83	F.ZEYER	GER
5:34.77	GEORGE MANN	USA
5:35.40	ALFRED SELS	BEL
5:35.65	HITOSHI HINO	JPN
800 M. FREE		
10:35.77	DAVID HARRISON	USA
10:59.28	DAVID RADCLIFF	USA
11:28.51	GEORGE MANN	USA
11:33.66	F.ZEYER	GER
11:34.49	JERRY CLARK	USA
11:39.00	JOSEF KREJCI	SUI
11:50.68	HITOSHI HINO	JPN
11:53.79	ERNIE LESKOVITZ	USA
11:58.20	PETER BAERTSCHI	SUI
12:02.50	ALFRED SELS	BEL
1500 M. FREE		
21:42.21	DAVID RADCLIFF	USA
22:11.30	GEORGE MANN	USA
22:25.19	HITOSHI HINO	JPN
22:37.08	LARRY GOOD	USA
22:50.50	F.ZEYER	GER
23:10.62	A. EMORY HAWORTH	USA
23:35.60	UMEO KIKUCHI	JPN
23:36.99	WERNER MULLER	GER
23:39.18	YUTAKA AWAZAWA	JPN
23:40.99	BARRY FASBENDER	USA
50 M. BACK		
35.13	BILL EARLEY	USA
35.43	S.SEKIKAWA	JPN
35.64	JACK BEATTIE	USA
35.92	PEKKA LUNDBERG	FIN
36.35	DAVID MCINTYRE	USA
36.58	EKKEHARD MIERSCH	GER
36.90	GUNTER KOBOW	GER
37.06	ERIC FORSLUND	SWE
37.18	MARSHALL GREER	USA
37.34	PETER BAUCH	GER
100 M. BACK		
1:18.38	S.SEKIKAWA	JPN
1:18.56	JACK BEATTIE	USA
1:19.75	DONALD BROWN	USA
1:20.04	MASAYASU TANEIKE	JPN
1:21.56	BILL EARLEY	USA
1:22.24	E NODENSCHNEIDER	FRA
1:23.55	CHRIS BELL	AUS
1:24.49	EKKEHARD MIERSCH	GER
1:26.24	TAKAJIRO IIKO	JPN
1:26.30	PEKKA LUNDBERG	FIN
200 M. BACK		
2:53.66	DONALD BROWN	USA
2:53.68	JACK BEATTIE	USA
3:00.59	MASAYASU TANEIKE	JPN
3:01.77	JACK HALLIDAY	USA
3:02.80	CHRIS BELL	AUS
3:03.30	THOMAS WALKER	GBR
3:05.74	E NODENSCHNEIDER	FRA
3:07.54	LARRY GOOD	USA
3:08.17	BILL EARLEY	USA

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

3:10.13 CLARKE MITCHELL USA
50 M. BRST
35.18 AKIO SUGIYAMA JPN
36.17 RINALDO FERREIRA BRA
36.68 BELA FABIAN HUN
36.70 MIKHAIL FARAFONOV RUS
36.73 HIROSHI KOTEGAWA JPN
37.20 ROLF TUTEPASTELL GER
37.87 GUNTER TITTES GER
37.92 KLAUS FELLMER GER
37.99 BOB PATTEN USA
38.00 PETER BELL CAN
100 M. BRST
1:21.95 BELA FABIAN HUN
1:24.97 THOMAS WALKER GBR
1:25.70 TETSUO NAKAMARU JPN
1:25.75 RINALDO FERREIRA BRA
1:26.63 PETER BELL CAN
1:26.91 CLAUDE SIBBILLE FRA
1:26.92 BOB PATTEN USA
1:27.11 ROLAND SCHOENHAAR GER
1:27.47 HARTMUT LEMCKE GER
1:27.49 SHIH-MING CHU TPE
200 M. BRST
3:02.31 BELA FABIAN HUN
3:05.36 THOMAS WALKER GBR
3:09.60 KAZUYA NISHINO JPN
3:09.75 TSUTOMU KAJIHARA JPN
3:09.80 HARTMUT LEMCKE GER
3:11.96 BOB PATTEN USA
3:12.42 JACK HALLIDAY USA
3:12.70 TETSUO NAKAMARU JPN
3:13.51 PETER BELL CAN
3:15.35 CLAUDE SIBBILLE FRA
50 M. FLY
30.61 BOB BAILIE USA
31.76 KAZUYA NISHINO JPN
32.44 HIROSHI MATSUMOTO JPN
32.46 WOLFGANG SIEBER GER
32.49 LUIS RICARDO SIMI BRA
32.65 BILL ROBERTSON USA
33.13 ROLF TUTEPASTELL GER
33.40 CAV CAVANAUGH USA
33.54 TSUTOMU KAJIHARA JPN
33.60 TERHO POTINKARA FIN
33.60 WERNER MULLER GER
100 M. FLY
1:15.01 LUIS RICARDO SIMI BRA
1:15.98 WOLFGANG SIEBER GER
1:17.41 ERNIE LESKOVITZ USA
1:19.07 WERNER MULLER GER
1:19.85 WILLIAM LAUER USA
1:21.93 BOB PATTEN USA
1:22.18 BARRY FASBENDER USA
1:23.29 SIEGFRIED VOGEL GER
1:23.48 EMORY HAWORTH USA
1:23.56 SHIH-MING CHU TPE
200 M. FLY
2:56.96 LUIS RICARDO SIMI BRA
3:09.07 ERNST JAGER FRA
3:10.34 TADAHIKO SAKATANI JPN
3:11.53 WERNER MULLER GER
3:17.37 MARIAN RACZYNSKI POL
3:18.74 SIEGFRIED VOGEL GER
3:18.82 MIKE TSCHIRRET USA
3:20.69 SEYMOUR BANING GBR
3:21.24 H.MUELLER GER
3:22.06 JOSEF KREJCI SUI
200 M. I.M.
2:50.54 TOSHIHIRO HAYASHI JPN
2:51.94 BELA FABIAN HUN
2:54.65 JACK BEATTIE USA
2:55.92 BILL ROBERTSON USA
2:56.75 MASAYASU TANEIKE JPN
2:58.25 DICK PETERSON USA
2:59.04 CHRIS BELL AUS
2:59.22 BILL EARLEY USA
3:00.72 WERNER MULLER GER
3:01.49 EMORY HAWORTH USA
400 M. I.M.
6:33.66 CHRIS BELL AUS
6:37.34 DICK PETERSON USA
6:39.36 HITOSHI HINO JPN
6:45.33 WERNER MULLER GER
6:45.59 LARRY GOOD USA
6:53.92 H.MUELLER GER
6:56.20 GEROLAMO FORLANI ITA
6:56.96 E NODENSCHNEIDER FRA
6:57.22 BARRY FASBENDER USA
6:57.31 ROLAND SCHONHAAR GER

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M E N 65-69
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50 M. FREE
29.96 TAKAHIKO NOMA JPN
30.20 ALDO EMINENTE FRA
30.34 CHUCK BALDWIN USA
30.55 PHILIP CHAPMAN USA
30.65 MASAYASU KAMIYA JPN
30.73 JACK BROWNJOHN AUS
30.88 RON JOHNSON USA
31.31 DICK WEBBER USA
31.61 DONALD BAKER USA
31.72 DONALD SONIA USA
100 M. FREE
1:05.09 GRAHAM JOHNSTON USA
1:08.22 RON JOHNSON USA
1:08.46 BOB BARRY AUS
1:09.42 CHUCK BALDWIN USA
1:09.49 JACK BROWNJOHN AUS
1:09.87 DONALD BAKER USA
1:10.49 EROS STELLA ITA
1:11.67 PHILIP CHAPMAN USA
1:12.69 EGON JANSEN GER
1:12.96 JOHN RIES USA
200 M. FREE
2:22.34 GRAHAM JOHNSTON USA
2:35.51 BOB BARRY AUS
2:37.58 EROS STELLA ITA
2:44.67 JACK BROWNJOHN AUS
2:45.47 HITOSHI KATO JPN
2:45.76 HIROSHI YOSHIMURA JPN
2:47.19 HERB KERN USA
2:47.78 KATSURA SUZUKI JPN
2:50.18 EGON JANSEN GER
2:50.22 WILLIAM IRWIN USA
400 M. FREE
5:06.13 GRAHAM JOHNSTON USA
5:45.42 HITOSHI KATO JPN
5:55.58 MASAYASU KAMIYA JPN
5:55.96 HIROSHI YOSHIMURA JPN
6:04.04 ARAM BOGHOSSIAN BRA
6:04.50 EROS STELLA ITA
6:05.93 ROBERT HERITIER USA
6:06.51 KENNETH KIMBALL USA
6:07.34 DAVE ANDERSON USA
6:10.50 DAVID LAWLER AUS
800 M. FREE
10:29.26 GRAHAM JOHNSTON USA
12:33.73 MASAYASU KAMIYA JPN
12:39.19 ARTHUR WELCH USA
12:41.35 ROGER CAMPBELL USA
12:50.90 KENNETH KIMBALL USA
12:53.20 EROS STELLA ITA
12:56.26 ROBERT HERITIER USA
13:13.88 ARAM BOGHOSSIAN BRA
13:14.42 CHARLES KOHNKEN USA
13:16.20 GERHARD SCHOLZ GER
1500 M. FREE
21:13.06 GRAHAM JOHNSTON USA
23:41.89 MASAYASU KAMIYA JPN
24:10.76 ROGER CAMPBELL USA
24:13.45 ARTHUR WELCH USA
24:25.10 EROS STELLA ITA
24:47.37 GERHARD SCHOLZ GER
25:33.37 FRANK REYNOLDS USA
25:38.44 JOHN ALLEVA USA
25:39.25 STEPHEN MULLINS USA
25:43.99 CURT ZEISS GER
50 M. BACK
36.88 RON JOHNSON USA
38.35 CLARKE MITCHELL USA
38.91 BOB BARRY AUS
38.94 MASAYASU KAMIYA JPN
38.99 CHUCK BALDWIN USA
39.06 HORACE KNOWTON USA
39.06 K.KLAUSTERMEYER GER
39.10 GRAHAM JOHNSTON USA
39.15 HIROSHI NAITO JPN
39.26 TOSHIO NOZUE JPN
100 M. BACK
1:23.25 GRAHAM JOHNSTON USA
1:23.81 HORACE KNOWLTON USA
1:23.83 BOB BARRY AUS
1:26.44 CLARKE MITCHELL USA
1:27.75 MASAYASU KAMIYA JPN
1:29.26 PETER VAN DIJK USA
1:29.47 NORIO HAYASHI JPN
1:29.72 K.KLAUSTERMEYER GER
1:30.01 YOSHIHISA SONODA JPN
1:30.15 RICHARD BENNETT USA
200 M. BACK
2:57.01 BOB BARRY AUS
3:04.21 GRAHAM JOHNSTON USA
3:08.36 CLARKE MITCHELL USA
3:10.81 HORACE KNOWLTON USA
3:14.62 RENATO NICOLO BRA
3:15.14 MANPEI SEINO JPN
3:15.87 NORIO HAYASHI JPN
3:16.97 TOSHIO NOZUE JPN
3:22.40 STAN MC CONNELL USA
3:22.40 GORDON GILLIN USA
50 M. BRST
37.32 JOHN KORTHEUER USA
38.95 CHUCK BALDWIN USA
39.27 ATSUMU ARAKAWA JPN
40.10 JOST ROSENCRANTZ GER
40.34 SHUNSAKU TAKAHIRA JPN
40.39 RON JOHNSON USA
40.45 LASSE KNAPP FIN
40.73 OTMAR ENGHOFER GER
40.89 EDUARDO MARTINEZ ARG
41.06 MINORU HAMADA JPN
100 M. BRST
1:26.44 JOHN KORTHEUER USA
1:27.91 SHUNSAKU TAKAHIRA JPN
1:30.51 RON JOHNSON USA
1:32.13 ATSUMU ARAKAWA JPN
1:32.68 JOST ROSENCRANTZ GER
1:32.82 YASUSHI TANGE JPN
1:33.50 BRUNELLO GRAJA ITA
1:33.54 TAKAO TSUCHIYA JPN
1:34.28 CHUCK BALDWIN USA
1:34.29 YASUO UTE JPN
200 M. BRST
3:19.86 JOHN KORTHEUER USA
3:20.56 SHUNSAKU TAKAHIRA JPN
3:25.80 YASUSHI TANGE JPN
3:28.49 ATSUMU ARAKAWA JPN
3:29.35 YASUO UTE JPN
3:31.55 TOSHIYUKI KANO JPN
3:32.10 V.KHOLDEVITCH RUS
3:32.15 BRUNELLO GRAJA ITA
3:33.72 CURT-HEINZ ZEISS GER
3:33.87 ROBERT MACDONALD USA
50 M. FLY
33.04 MASAYASU KAMIYA JPN
33.31 RON JOHNSON USA
34.43 HERB KERN USA
34.76 CHUCK BALDWIN USA
35.12 HEINZ KRAUSS GER
35.58 CURT-HEINZ ZEISS GER
36.17 ZENJI NAKAHARI JPN
36.20 TOSHIKAZU TATEDA JPN
36.25 WILLIAM IRWIN USA
36.39 CLARKE MITCHELL USA
100 M. FLY
1:22.10 MASAYASU KAMIYA JPN
1:22.40 RON JOHNSON USA
1:24.20 HEINZ KRAUSS GER
1:27.37 HERB KERN USA
1:29.20 RENATO NICOLO BRA
1:29.49 CLARKE MITCHELL USA
1:30.12 CURT-HEINZ ZEISS GER
1:30.77 GRAHAM JOHNSTON USA
1:32.14 DONALD BAKER USA
1:33.21 EGON JANSEN GER
200 M. FLY
3:19.30 HEINZ KRAUSS GER
3:20.32 MASAYASU KAMIYA JPN
3:22.32 HERB KERN USA
3:27.46 RENATO NICOLO BRA
3:42.13 BRUNELLO GRAJA ITA
3:43.77 MANFRED BICKEL GER
3:45.32 HERBERT NAKAMA USA
3:48.46 FRITZ RAINER AUT
3:49.11 JOSE PELLEGRINO BRA
3:49.14 MIKE TORSNEY USA
200 M. I.M.
2:51.09 GRAHAM JOHNSTON USA
3:02.53 MASAYASU KAMIYA JPN
3:06.65 HERB KERN USA
3:08.73 HITOSHI KATO JPN
3:14.74 HORACE KNOWTON USA
3:15.33 HEINZ KRAUSS GER
3:15.78 EGON JANSEN GER
3:17.55 RENATO NICOLO BRA
3:19.71 DONALD BAKER USA
3:20.00 CURT-HEINZ ZEISS GER
400 M. I.M.
6:12.00 GRAHAM JOHNSTON USA
6:39.02 BOB BARRY AUS
6:49.01 HERB KERN USA
6:49.03 MASAYASU KAMIYA JPN
7:08.21 RENATO NICOLO BRA
7:08.29 HORACE KNOWLTON USA
7:14.03 HEINZ KRAUSS GER
7:32.20 SIDNEY SALEK NZL
7:36.16 MIKE TORSNEY USA
7:37.41 GORDON GILLIN USA

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M E N 70-74
****

50 M. FREE
30.94 FRANK PIEMME USA
31.89 KEIJIRO NAKAMURA JPN
32.18 HERB MCCAULEY USA
32.21 SHOICHI SHIDA JPN
32.56 SADAYUKI WAKAI JPN
32.72 KURT ZENTGRAF GER
32.88 HIROSHI YAMAZAKI JPN
32.89 C.BRUNELLESCHI ITA
33.01 PAUL HUTINGER USA
33.06 H.KIRSCH GER
100 M. FREE
1:11.86 SHOICHI SHIDA JPN
1:12.02 FRANK PIEMME USA
1:14.96 HIROSHI YAMAZAKI JPN
1:16.05 TOSHIO SHIMIZU JPN
1:17.14 HIROSHI IMAIZUMI JPN
1:17.46 JIRO KOBOYASHI JPN
1:17.52 C.BRUNELLESCHI ITA
1:18.05 ROBERT BLAKE USA
1:18.10 VALENTIN WEBER GER
1:18.55 TOSHIMI INATOMI JPN
200 M. FREE
2:45.42 FRANK PIEMME USA
2:51.33 VALENTIN WEBER GER
2:52.88 SHOICHI SHIDA JPN
2:53.36 TOSHIO SHIMIZU JPN
2:58.11 DOMENICO CASOLINO ITA
2:58.40 FRED TRASK USA
2:59.76 HIROSHI IMAIZUMI JPN
3:00.11 KEVIN VICKERY AUS
3:00.50 J ZIEGLER CZE
3:00.52 ERICH DILFER GER
400 M. FREE
5:58.13 VALENTIN WEBER GER

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

5:58.89	ROGER FRANKS	USA
6:14.30	DOMENICO CASOLINO	ITA
6:21.15	WIN WILSON	USA
6:22.20	M LUSIEN	FRA
6:24.66	ERICH DILFER	GER
6:27.81	KARL HAUTER	GER
6:27.94	HIROSHI IMAIZUMI	JPN
6:32.10	FRED TRASK	USA
6:32.22	KEVIN VICKERY	AUS
	800 M. FREE	
12:38.60	VALENTIN WEBER	GER
12:42.98	WIN WILSON	USA
12:56.50	D.CASOLINO	ITA
13:22.60	ERICH DILFER	GER
13:38.10	FRED TRASK	USA
13:40.31	MORRIS MATTHEWS	USA
13:42.69	FARRELL DEVLIN	USA
13:43.28	ANGEL MALDONADO	MEX
13:47.57	LOU SILVERSTEIN	USA
13:55.25	MINORU NAGASHIMA	JPN
	1500 M. FREE	
23:12.28	ROGER FRANKS	USA
24:27.91	VALENTIN WEBER	GER
25:30.30	MALCOLM STEVENS	AUS
25:36.07	DOMENICO CASOLINO	ITA
26:18.35	MINORU NAGASHIMA	JPN
26:46.67	LEE ARTH	USA
27:22.33	JOHN DAILY	USA
27:32.62	ROBERT BLAKE	USA
27:54.79	JAMES EDWARDS	USA
27:59.85	JURGEN SCHMIDT	USA
	50 M. BACK	
38.06	KEIJIRO NAKAMURA	JPN
38.90	HELMUT KUNZEL	GER
39.22	PAUL HUTINGER	USA
39.94	SHOICHI SHIDA	JPN
40.06	FLOYD ELIOTT	USA
40.16	FRANK CAMPBELL	USA
40.16	THOMAS SMITH	USA
41.24	ERICH DILFER	GER
41.36	WILLIAM HAYNES	USA
41.37	ERKKI MARTTINEN	FIN
	100 M. BACK	
1:24.49	ROGER FRANKS	USA
1:26.73	KEIJIRO NAKAMURA	JPN
1:27.10	HELMUT KUNZEL	GER
1:28.13	FLOYD ELIOTT	USA
1:28.77	PAUL HUTINGER	USA
1:30.06	THOMAS SMITH	USA
1:31.24	FRANK CAMPBELL	USA
1:32.13	KARL HAUTER	GER
1:32.36	G.SHIMOMOTO	JPN
1:33.39	WILLIAM HAYNES	USA
	200 M. BACK	
3:04.42	ROGER FRANKS	USA
3:16.58	FLOYD ELIOTT	USA
3:16.62	HELMUT KUNZEL	GER
3:21.48	KARL HAUTER	GER
3:22.15	PAUL HUTINGER	USA
3:22.28	SHOICHI NAKAGAWA	JPN
3:23.93	G.SHIMOMOTO	JPN
3:24.35	VALENTIN WEBER	GER
3:27.67	WILLIAM HAYNES	USA
3:28.90	J ZIEGLER	CZE
	50 M. BRST	
40.29	ROBERT PFERSDORFF	GER
40.48	ERNESTO ORLANDO	ARG
40.63	TOSHIO TAJIMA	JPN
40.96	KARL HEINZ KNOPS	GER
42.06	OTTO GORA	GER
42.11	MUNEKAZU SAMEJIMA	JPN
42.37	SILVANO DANIELI	ITA
42.41	JOSEPH KURTZMAN	USA
42.69	JAN ZIEGLER	CZE
43.18	WATARU ASAOKA	JPN
	100 M. BRST	
1:31.94	ROBERT PFERSDORFF	GER
1:34.67	KARL HEINZ KNOPS	GER
1:36.83	J ZIEGLER	CZE
1:37.99	TOSHIO TAJIMA	JPN
1:38.12	ESLO SALONEN	FIN
1:38.72	MUNEKAZU SAMEJIMA	JPN
1:39.58	MORRIS MATTHEWS	USA
1:39.84	ERNESTO ORLANDO	ARG
1:39.99	TOM LOGAN	NZL
1:40.84	J LIEBIS	FRA
	200 M. BRST	
3:29.07	KARL HAUTER	GER
3:29.35	ESKO SALONEN	FIN
3:30.50	KARL HEINZ KNOPS	GER
3:37.60	J ZIEGLER	CZE
3:38.27	MUNEKAZU SAMEJIMA	JPN
3:38.34	MORRIS MATTHEWS	USA
3:38.93	FRANK PIEMME	USA
3:42.58	TOM LOGAN	NZL
3:43.00	R JASKA	CZE
3:47.71	ERNESTO ORLANDO	ARG
	50 M. FLY	
35.82	JOSEPH KURTZMAN	USA
36.50	FRANK PIEMME	USA
36.72	DONALD HUBBARD	USA
37.50	ROBERT PFERSDORFF	GER
37.98	SILVANO DANIELI	ITA
38.17	THOMAS SMITH	USA
38.91	KARL-HEINZ KNOPS	GER
39.17	MASAZUMI HAGIWARA	JPN
39.35	J ZIEGLER	CZE
39.69	NOBUMASA YAMAZAKI	JPN
	100 M. FLY	
1:29.49	JOSEPH KURTZMAN	USA
1:29.86	SILVANO DANIELI	ITA
1:31.82	VALENTIN WEBER	GER
1:34.08	KARL HEINZ KNOPS	GER
1:34.32	THOMAS SMITH	USA
1:34.92	M LUSIEN	FRA
1:35.00	J ZIEGLER	CZE
1:35.37	CHIH-HUA HUANG	TPE
1:35.81	THOMAS MAINE	USA
1:36.69	MINORU NAGASHIMA	JPN
	200 M. FLY	
3:22.01	VALENTIN WEBER	GER
3:25.16	SILVANO DANIELI	ITA
3:30.85	M LUSIEN	FRA
3:36.98	KARL HEINZ KNOPS	GER
3:40.85	JOSEPH KURTZMAN	USA
3:42.43	MINORU NAGASHIMA	JPN
3:43.76	J ZIEGLER	CZE
3:51.51	KARL HAUTER	GER
3:52.09	JAROSLAV HOLY	SVK
4:03.35	LEE ARTH	USA
	200 M. I.M.	
3:17.76	KARL HAUTER	GER
3:18.21	ROGER FRANKS	USA
3:18.45	VALENTIN WEBER	GER
3:20.04	THOMAS SMITH	USA
3:20.10	JAN ZIEGLER	CZE
3:21.27	FRANK PIEMME	USA
3:24.85	KARL-HEINZ KNOPS	GER
3:29.31	NOBUMASA YAMAZAKI	JPN
3:31.21	MORRIS MATTHEWS	USA
3:32.19	LUMAN SUTTON	USA
	400 M. I.M.	
6:56.35	VALENTIN WEBER	GER
7:06.01	ROGER FRANKS	USA
7:08.80	KARL HAUTER	GER
7:14.49	M LUSIEN	FRA
7:20.50	J ZIEGLER	CZE
7:25.17	KARL-HEINZ KNOPS	GER
7:40.30	SILVANO DANIELI	ITA
7:47.52	LEE ARTH	USA
7:50.00	ESKO SALONEN	FIN
7:52.24	TOM LOGAN	NZL

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M E N 75-79

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	50 M. FREE	
32.62	HIDEAKI KATO	JPN
33.86	R HALIMI	FRA
34.57	ROGERS HOLMES	USA
34.78	YOSHIO HAYASHI	JPN
34.91	NILS KLING	SWE
35.29	RAYMOND TAFT	USA
35.32	HANS-JOACHIM JUNG	GER
35.37	CARLOS VISENTIN	ARG
36.20	ISAMU TAMURA	JPN
36.49	KAKUICHI YANAGAWA	JPN
	100 M. FREE	
1:17.49	HIDEAKI KATO	JPN
1:19.88	R HALIMI	FRA
1:21.10	NILS KLING	SWE
1:22.71	CARLOS VISENTIN	ARG
1:23.20	KEIICHI TOKUNAGA	JPN
1:23.81	HANS-JOACHIM JUNG	GER
1:24.33	SHIGEMASA OKAJIMA	JPN
1:27.13	JAMES EDWARDS	USA
1:28.18	GILBERT YOUNG	USA
1:28.33	LOU GIBERSON	USA
	200 M. FREE	
2:59.29	HIDEAKI KATO	JPN
3:08.36	RAYMOND TAFT	USA
3:12.28	HANS-JOACHIM JUNG	GER
3:14.36	JAMES EDWARDS	USA
3:15.01	NILS KLING	SWE
3:16.01	CARLOS VISENTIN	ARG
3:18.23	SHIGEMASA OKAJIMA	JPN
3:18.45	FRED TAIOLI	USA
3:18.63	GILBERT YOUNG	USA
3:21.02	JAMIE JENKINS	AUS
	400 M. FREE	
6:35.84	HIDEAKI KATO	JPN
6:39.36	RAYMOND TAFT	USA
6:53.70	JAMES EDWARDS	USA
6:54.99	NILS KLING	SWE
6:59.56	GILBERT YOUNG	USA
7:03.69	YAHEI SAKOTA	JPN
7:05.01	TERRY KELLY	AUS
7:09.28	FRED TAIOLI	USA
7:09.52	KARL BAYERLEIN	GER
7:13.85	RICHARD SMITH	USA
	800 M. FREE	
14:08.80	RAYMOND TAFT	USA
14:14.11	HIDEAKI KATO	JPN
14:18.62	JAMES EDWARDS	USA
14:27.62	SHIGEMASA OKAJIMA	JPN
14:33.84	GILBERT YOUNG	USA
14:35.50	NILS KLING	SWE
14:52.38	FRED TAIOLI	USA
14:55.80	HANS-JOACHIM JUNG	GER
15:00.40	RICHARD SMITH	USA
15:04.00	TERRY KELLY	AUS
	1500 M. FREE	
26:56.66	HIDEAKI KATO	JPN
27:17.00	SHIGEMASA OKAJIMA	JPN
27:49.63	GILBERT YOUNG	USA
27:54.79	JAMES EDWARDS	USA
28:06.05	FRED TAIOLI	USA
28:07.50	KARL BAYERLEIN	GER
28:25.35	TERRY KELLY	AUS
28:58.31	RICHARD SMITH	USA
30:59.46	BROER LAMERS	NED
31:03.32	USHIO KAWAGUCHI	JPN
	50 M. BACK	
40.56	RAYMOND TAFT	USA
40.95	GORO TANIGUCHI	JPN
41.87	BELA BANKI	HUN
42.04	ROGERS HOLMES	USA
42.76	H.MIYAZAKI	JPN
43.44	F.CALAMITA	ESP
44.34	OTELLO CORONICA	ITA
45.43	HIDEAKI KATO	JPN
45.58	R HALIMI	FRA
47.26	JAMIE JENKINS	AUS
	100 M. BACK	
1:30.75	RAYMOND TAFT	USA
1:32.40	GORO TANIGUCHI	JPN
1:33.68	ROGERS HOLMES	USA
1:35.01	H.MIYAZAKI	JPN
1:38.60	BELA BANKI	HUN
1:42.81	F.CALAMITA	ESP
1:43.78	JAMIE JENKINS	AUS
1:44.49	OTELLO CORONICA	ITA
1:48.30	KANAME TANAKA	JPN
1:48.54	BRUCE GASTON	AUS
	200 M. BACK	
3:25.69	RAYMOND TAFT	USA
3:35.52	H.MIYAZAKI	JPN
3:36.65	ROGERS HOLMES	USA
3:40.26	BELA BANKI	HUN
3:44.44	JAMIE JENKINS	AUS
3:49.28	H.REITEMEYER	GER
3:53.75	HARRY LIBER	USA
3:54.68	WILLI WINDEL	GER
3:55.11	KARL BAYERLEIN	GER
3:55.97	JAMES EDWARDS	USA
	50 M. BRST	
45.30	MAX VON ISSER	USA
45.43	ALDO DA ROSA	USA
45.52	WALTER MINNICH	GER
46.58	LUDWIG GEBURZI	GER
46.81	YOSHIO HAYASHI	JPN
46.90	TOM DOWELL	USA
47.36	ISAO FUNAMOTO	JPN
47.55	AKIRA SUMIDA	JPN
47.56	SIEGFRIED PANKOV	GER
48.14	PAUL KRUP	USA
	100 M. BRST	
1:43.16	MAX VON ISSER	USA
1:45.67	ISAO FUNAMOTO	JPN
1:45.93	ALDO DA ROSA	USA
1:46.30	SIEGFRIED PANKOV	GER
1:49.58	BOB MERRICK	USA
1:51.02	LUDWIG GEBURZI	GER
1:51.91	CHARLES GREIB	FRA
1:53.10	ABRASHA BRAININ	USA
1:53.58	AKIRA SUMIDA	JPN
1:54.55	TOM DOWELL	USA
	200 M. BRST	
3:47.57	ISAO FUNAMOTO	JPN
3:50.36	SIEGFRIED PANKOV	GER
3:57.75	ALDO DA ROSA	USA
4:01.86	FERNANDO NAJERA	MEX
4:08.13	AKIRA SUMIDA	JPN
4:14.96	H.REITEMEYER	GER
4:16.07	PAUL KRUP	USA
4:18.86	CHARLES GREIB	FRA
4:18.91	HARRY TRAVIS	GBR
4:19.56	HAYASHI MIYAKE	JPN
	50 M. FLY	
39.78	ROGERS HOLMES	USA
39.82	ANDREW HOLDEN	USA
39.84	KAKUICHI YANAGAWA	JPN
41.21	MAX VON ISSER	USA
41.69	RAYMOND TAFT	USA
44.52	LUDWIG GEBURZI	GER
46.81	LOUIS GIBERSON	USA
47.57	PAUL KRUP	USA
47.67	SIEGFRIED PANKOV	GER
47.87	KIICHI HOSHINO	JPN
	100 M. FLY	
1:45.76	ANDREW HOLDEN	USA
1:54.15	RICHARD SMITH	USA
1:54.55	RAYMOND TAFT	USA
1:54.71	KEIICHI TOKUNAGA	JPN
1:55.11	HIRONARI UEDA	JPN
2:00.54	FERNANDO NAJERA	MEX
2:02.48	PAUL KRUP	USA
2:02.98	HERMAN FOREST	USA
2:06.07	YUTAKA MORITA	JPN
2:09.00	DENNIS JACKSON	AUS
	200 M. FLY	
4:17.27	RICHARD SMITH	USA
4:21.72	HIRONARI UEDA	JPN
4:29.60	FERNANDO NAJERA	MEX
4:41.61	PAUL KRUP	USA
4:48.92	GERHARD MITSCH	GER
5:34.19	FUMITOSHI SUZUKA	JPN
5:45.50	V.SMIRIAGUINE	RUS
5:46.45	WILLIAM JOHNSTON	USA
6:45.17	JORGE BELLO	ARG

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

7:44.64 PASTEUR MIRANDA BRA
200 M. I.M.
3:31.96 RAYMOND TAFT USA
3:48.07 ALDO DA ROSA USA
3:56.40 CARLOS VISENTIN ARG
4:00.08 G.FURUHASHI JPN
4:00.19 HIRONARI UEDA JPN
4:00.32 FERNANDO NAJERA MEX
4:00.37 RICHARD SMITH USA
4:04.28 CHARLES GREIB FRA
4:04.60 WALTER MINNICH GER
4:06.00 YUTAKA MORITA JPN
400 M. I.M.
7:42.64 RAYMOND TAFT USA
8:10.67 ALDO DA ROSA USA
8:41.33 HIRONARI UEDA JPN
9:24.54 GERHARD MITSCH GER
9:43.59 FUMITOSHI SUZUKA JPN
9:46.63 TERRY KELLY AUS
10:45.04 WILLIAM JOHNSTON USA
14:50.80 T.R. JOHNSON USA
15:33.22 JORGE BELLO ARG
16:53.74 PASTEUR MIRANDA BRA

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M E N 80-84
****
50 M. FREE
35.26 WOODROW BOWERSOCK USA
36.43 JIM EUBANK USA
37.27 PETE OKUMOTO USA
37.86 BOB CHRISTIANS USA
37.91 BRUD CLEAVELAND USA
38.24 M.FUKUSHIMA JPN
38.47 GOUGH WILLIAMS AUS
38.70 KISABURO WADA JPN
38.96 EDWARD NAKAMURA USA
39.22 AKIHIKO NAKAMURA JPN
100 M. FREE
1:26.88 WOODROW BOWERSOCK USA
1:27.92 JIM EUBANK USA
1:29.27 PETE OKUMOTO USA
1:30.07 BRUD CLEAVELAND USA
1:30.16 OBEL JAMES USA
1:32.90 KISABURO WADA JPN
1:32.92 M.FUKUSHIMA JPN
1:34.46 GIOVANNI DE SILVA ITA
1:34.73 AKIHIKO NAKAMURA JPN
1:38.01 OTTO KUTZ GER
200 M. FREE
3:10.89 HIKOJI UEKI JPN
3:22.86 DICK GUIDO USA
3:23.42 ROBERT JOHNSTON USA
3:27.65 RYUJI FUJIKAWA JPN
3:28.10 JIM EUBANK USA
3:30.85 PETE OKUMOTO USA
3:36.34 KISABURO WADA JPN
3:38.48 RUSSELL DUNN AUS
3:38.96 OBEL JAMES USA
3:39.80 GIOVANNI DE SILVA ITA
400 M. FREE
7:16.63 PETE OKUMOTO USA
7:26.49 RYUJI FUJIKAWA JPN
7:27.57 RUSSELL DUNN AUS
7:35.96 DICK GUIDO USA
7:49.34 GIOVANNI DE SILVA ITA
7:50.55 OBEL JAMES USA
7:53.77 NILS FERM SWE
7:58.44 JIM EUBANK USA
8:01.67 KISABURO WADA JPN
8:08.64 EDWARD NAKAMURA USA
800 M. FREE
15:26.10 ROBERT JOHNSTON USA
15:27.48 DICK GUIDO USA
15:32.78 PETE OKUMOTO USA
16:15.21 RUSSELL DUNN AUS
16:21.80 JIM EUBANK USA
16:24.39 RYUJI FUJIKAWA JPN
16:32.68 EDWARD NAKAMURA USA
16:38.00 GIOVANNI DE SILVA ITA

16:48.60 NILS FERM SWE
18:02.72 JIM TRIOLO USA
1500 M. FREE
28:44.42 ROBERT JOHNSTON USA
30:02.47 RYUJI FUJIKAWA JPN
31:25.29 GIOVANNI DE SILVA ITA
33:08.41 JOHN MERRILL USA
34:24.83 JIM TRIOLO USA
34:46.53 HOWARD HOLMES NZL
35:47.78 J DE CARDENAL FRA
36:11.50 WOODROW BOWERSOCK USA
36:50.55 JOHN JOHNSTON USA
37:01.76 DAVE MALBROUGH USA
50 M. BACK
44.81 HIKOJI UEKI JPN
44.91 TOSHIJI SATO JPN
46.42 EDWARD SHEA USA
47.38 AL VANDERWEGHE USA
47.43 C.SCHERER GER
47.79 NILS FERM SWE
47.95 M.FUKUSHIMA JPN
48.66 HERMANN SCHLUCH GER
48.66 TOKUSHI KOMEDA JPN
50.26 KISABURO WADA JPN
100 M. BACK
1:42.46 TOSHIJI SATO JPN
1:42.92 DAVE MALBROUGH USA
1:44.40 EDWARD SHEA USA
1:46.08 C.SCHERER GER
1:46.66 AL VANDERWEGHE USA
1:49.41 NILS FERM SWE
1:53.16 BOB CHRISTIANS USA
1:53.21 RYUJI FUJIKAWA JPN
1:53.34 TOKUSHI KOMEDA JPN
1:53.79 GOUGH WILLIAMS AUS
200 M. BACK
3:47.32 TOSHIJI SATO JPN
3:47.51 EDWARD SHEA USA
3:57.38 C.SCHERER GER
4:01.98 NILS FERM SWE
4:03.40 AL VANDERWEGHE USA
4:06.69 TOKUSHI KOMEDA JPN
4:09.38 RYUJI FUJIKAWA JPN
4:14.00 GOUGH WILLIAMS AUS
4:14.92 KISABURO WADA JPN
4:18.18 DICK GUIDO USA
50 M. BRST
43.82 Y.MIYAMOTO JPN
47.34 HIROMU YOSHIMOTO JPN
50.45 BRUD CLEAVELAND USA
51.64 BENNETT ALLEN USA
52.24 C.SCHERER GER
54.30 DON MCCULLOUGH USA
54.97 MURRAY EAGER USA
55.01 H MEIBNER GER
55.25 SEI SASAJIMA JPN
56.12 JERRY EVERALL USA
100 M. BRST
1:45.24 Y.MIYAMOTO JPN
1:56.32 BRUD CLEAVELAND USA
2:01.56 DON MCCULLOUGH USA
2:02.14 C.SCHERER GER
2:04.04 BENNETT ALLEN USA
2:09.07 MURRAY EAGER USA
2:11.05 JERRY EVERALL USA
2:11.18 GUYNEMER OTERO BRA
2:12.47 H MEIBNER GER
2:12.90 GIORDANO RAGGI ITA
200 M. BRST
3:59.90 Y.MIYAMOTO JPN
4:24.27 DON MCCULLOUGH USA
4:32.09 BRUD CLEAVELAND USA
4:32.98 C.SCHERER GER
4:42.52 GUYNEMER OTERO BRA
4:51.22 GIORDANO RAGGI ITA
4:56.07 EDWARD NAKAMURA USA
5:11.59 EIJI NODA JPN
5:11.81 JACK MATHIESON AUS
5:26.71 SEIO FUKUOKA JPN
50 M. FLY

43.46 Y.MIYAMOTO JPN
53.43 BOB CHRISTIANS USA
56.55 TOKUSHI KOMEDA JPN
57.77 HEINZ SIEGEL GER
59.98 BRUD CLEAVELAND USA
1:01.64 JOSEF PREINER GER
1:01.84 DON MCCULLOUGH USA
1:02.16 YASUSHI KODA JPN
1:04.42 ALFRED ALVAREZ AUS
1:07.45 WILLIAM GRANT USA
100 M. FLY
1:55.39 ANTON CERER USA
2:23.24 DON MCCULLOUGH USA
2:36.40 ALFRED ALVAREZ AUS
2:53.18 JOHN JOHNSTON USA
2:59.56 NOBUO USHIMI JPN
3:19.33 GEORGE RAFTER USA
200 M. FLY
4:13.22 ANTON CERER USA
4:52.96 DON MCCULLOUGH USA
6:14.06 JOHN JOHNSTON USA
6:15.84 ALFRED ALVAREZ AUS
6:25.63 GEORGE RAFTER USA
6:42.86 ERNEST CLEMETT GBR
200 M. I.M.
3:50.76 ANTON CERER USA
4:02.96 BOB CHRISTIANS USA
4:31.56 DICK GUIDO USA
4:33.03 DON MCCULLOUGH USA
4:33.25 TOKUSHI KOMEDA JPN
4:37.96 ALFRED ALVAREZ AUS
4:41.00 JOSEF PREINER GER
4:44.43 BRUD CLEAVELAND USA
4:44.46 EDWARD NAKAMURA USA
4:46.21 HEINZ SIEGEL GER
400 M. I.M.
8:13.49 ANTON CERER USA
9:51.06 DON MCCULLOUGH USA
10:16.04 ALFRED ALVAREZ AUS
11:00.60 GEORGE RAFTER USA
11:49.85 JOHN JOHNSTON USA

****
M E N 85-89
****
50 M. FREE
40.28 R.REINSTADTLER GER
40.46 MASAO UEDA JPN
41.80 SHOGORO AZUMA JPN
42.73 KAZUNAGA AKUTSU JPN
43.19 JAMES HARVIE AUS
43.88 GASTAO FIGUEIREDO BRA
44.43 MASAHISA KANEKO JPN
45.81 JESSE COON USA
46.27 HUGO ERNEN GER
46.70 CARL LINDSTRAND USA
100 M. FREE
1:36.11 R.REINSTADTLER GER
1:39.61 MASAO UEDA JPN
1:40.29 MASAHISA KANEKO JPN
1:44.05 SHOGORO AZUMA JPN
1:48.91 GASTAO FIGUEIREDO BRA
1:49.48 JESSE COON USA
1:49.81 CARL LINDSTRAND USA
1:50.64 HUGO ERNEN GER
2:06.13 TEX ROBERTSON USA
2:06.36 HARRY POLITES USA
200 M. FREE
3:51.91 R.REINSTADTLER GER
4:06.83 MASAO UEDA JPN
4:10.00 HUGO ERNEN GER
4:11.14 CARL LINDSTRAND USA
4:35.74 CAM WEIR CAN
4:38.76 FRED WALBOLT USA
4:45.72 TEX ROBERTSON USA
4:58.80 CHARLES WOOD USA
5:08.95 KIYOJI WATANABE JPN
5:28.20 GEORGE MCGILVRAY AUS
400 M. FREE
8:29.23 R.REINSTADLER GER

9:29.20 FRED WALBOLT USA
10:07.22 CAM WEIR CAN
10:24.46 TEX ROBERTSON USA
10:29.49 CHARLES WOOD USA
10:43.41 JOE IRVINE USA
11:58.04 RICHARD KANE USA
800 M. FREE
18:54.18 HERBERT HOWE USA
20:04.11 FRED WALBOLT USA
20:52.55 CHARLES WOOD USA
20:54.54 CAM WEIR CAN
24:14.24 ROY BODINE USA
24:18.73 JOE IRVINE USA
24:42.18 RICHARD KANE USA
43:40.40 STACY VAN PETTEN USA
1500 M. FREE
35:41.62 HERBERT HOWE USA
39:08.09 FRED WALBOLT USA
41:20.09 CHARLES WOOD USA
45:06.98 JOE IRVINE USA
50 M. BACK
47.70 R.REINSTADTLER GER
49.50 SHOGORO AZUMA JPN
50.81 MASAHISA KANEKO JPN
51.67 MASAO UEDA JPN
51.92 KAZUNAGA AKUTSU JPN
1:01.84 KARL WITTENBERG GER
1:02.54 HERMANN DEUTZMANN GER
1:04.43 PASQUALE PIZZI ITA
1:04.82 CAM WEIR CAN
1:05.44 ALLEN BURGOYNE AUS
100 M. BACK
1:53.67 R.REINSTADTLER GER
1:59.68 SHOGORO AZUMA JPN
2:25.45 CAM WEIR CAN
2:35.47 ROY BODINE USA
2:36.67 TEX ROBERTSON USA
2:44.35 LUIGI DAVOGLIO ITA
2:45.77 SAMUEL JAIME MEX
2:46.01 JOE IRVINE USA
2:53.16 FRANZ KOCH GER
3:00.44 FRED WALBOLT USA
200 M. BACK
4:12.45 R.REINSTADTLER GER
5:27.65 TEX ROBERTSON USA
5:34.64 CAM WEIR CAN
5:37.73 FRANZ KOCH GER
5:52.45 SAMUEL JAIME MEX
5:57.55 JOE IRVINE USA
6:01.70 PASQUALE PIZZI ITA
6:12.53 ROY BODINE USA
6:16.08 BILL REEDER USA
6:23.50 FRED WALBOLT USA
50 M. BRST
54.58 MITSUO SHIMO JPN
56.27 KARL WITTENBERG GER
1:01.42 MASAHISA KANEKO JPN
1:04.02 HUGO ERNEN GER
1:04.84 HERMANN DEUTZMANN GER
1:05.74 GASTAO FIGUEIREDO BRA
1:12.78 PASQUALE PIZZI ITA
1:16.74 ALLEN BURGOYNE AUS
1:17.89 FRANZ KOCH GER
1:18.17 LUIGI DAVOGLIO ITA
100 M. BRST
2:10.64 MITSUO SHIMO JPN
2:47.26 HERMANN DEUTZMANN GER
2:47.48 FRANCESC TATJER ESP
3:10.59 ROY BODINE USA
3:23.97 LARRY HART USA
4:11.56 RICHARD KANE USA
5:09.94 FELIX LEDEZMA MEX
200 M. BRST
8:11.11 LARRY HART USA
50 M. FLY
59.90 R.REINSTADTLER GER
1:05.97 JESSE COON USA
1:12.02 LUIGI DAVOGLIO ITA
1:35.56 ROY BODINE USA
1:36.29 HARUO ENDO JPN

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2:02.04 RICHARD KANE USA
100 M. FLY
2:36.05 R.REINSTADTLER GER
2:53.06 JESSE COON USA
3:34.80 ROY BODINE USA
3:48.35 LUIGI DAVOGLIO ITA
200 M. FLY
6:45.97 JESSE COON USA
8:00.53 ROY BODINE USA
200 M. I.M.
5:00.14 R.REINSTADTLER GER
5:26.14 LUIGI DAVOGLIO ITA
5:32.12 JESSE COON USA
6:52.33 ROY BODINE USA
8:05.38 RICHARD KANE USA
400 M. I.M.
11:59.54 JESSE COON USA
13:49.61 ROY BODINE USA

****
M E N 90-94
****
50 M. FREE
54.76 ALFREDO CHERCHI AUS
57.78 FRITZ MONKE GER
1:00.90 GUS LANGNER USA
1:12.94 JOE KAUFMAN USA
2:03.04 JAN KARPISEK CZE
100 M. FREE
2:20.19 GUS LANGNER USA
2:40.45 MAXWELL VOGT USA
2:46.34 JOE KAUFMAN USA
3:29.28 JOAO PEDRO ROSA BRA
200 M. FREE
4:32.78 ALFREDO CHERCHI AUS
5:23.21 GUS LANGNER USA
400 M. FREE
9:40.04 ALFREDO CHERCHI AUS
11:02.67 GUS LANGNER USA
800 M. FREE
25:43.77 GUS LANGNER USA
50 M. BACK
1:06.09 ALFREDO CHERCHI AUS
1:07.48 FRITZ MONKE GER
1:25.46 JOE KAUFMAN USA
1:29.34 GUS LANGNER USA
100 M. BACK
2:30.67 FRITZ MONKE GER
2:47.47 ALFREDO CHERCHI AUS
3:06.58 JOE KAUFMAN USA
3:42.49 GUS LANGNER USA
50 M. BRST
1:39.23 GUS LANGNER USA
100 M. BRST
3:30.99 JOAO PEDRO ROSA BRA
3:36.36 GUS LANGNER USA

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

****
M E N 100-104
****
****
RELAYS: WOMEN 200 M. FREE
****
AGE 100-119
WV WUNSTORF GER 1:58.14

KONA USA 1:58.91
KYLEE SANDUSKY
MICHELE BOROWSKI
PAGE KUNST
DEBRA BUMATAY
VN ITA 1:58.93
LAURA RABUFFETTI
DEBORA SILVESTRO
R.LANZAROTTI
EMILIA DI TOMA

1.WVW GER 1:58.95
CORINNA KRIETSCH
KATHRIN LAZAR
SYLVIA HAAK
BIRGIT GIESECKE
SPM USA 2:00.75
DANICE STONE
V.NIEDERMEYER
J.MCKEITHEN-BUSSE
LISA SUMMERS
VACVE VEN 2:01.87

HOT A USA 2:02.07
JULIA GORMAN
DIANE WYGAL
BRIDGET BLACK
SARAH ANDERSON
SCW ESCHBORN GER 2:02.13

DEISUIKAI JPN 2:02.68
MIKI YAGI
TSUGUMI OTSUKI
MAMI OSUMI
CHIFUMI YAMAGA
TSV BAYER DORMA GER 2:03.67

AGE 120-159
SG WISTE GER 1:57.26

ORLM USA 1:57.38
MARGARET KELLER
ROSEMARIE SEAMAN
CATHY SHONKWILER
DIANNE PIERCY
CSCS GBR 1:57.79
CAROLE GARDNER
MARIA KELLY
KAREN JAMES
JULIE LENE
WCM USA 1:58.11
KATHLEEN HARTNETT
MINDY HAMWAY
KATHY WOEHRLE
LAURIE VIDAL
SPES GBR 1:59.50
AMANDA HEATH
SIOBHAN HARTLEY
DEBRA RIKER
SUSAN HILL
WCM USA 2:00.00
MICHELLE GHIGGARI
PENNY LEACH
LISA WARD
MOLLY MCGLENNEN
AMK UKR 2:01.18
OLENA DUBYNETS
INNA GOROSHKO
V.SILVERSKAYA
INNA GLUSHENKO
HLJ USA 2:01.28
KATHY STEELE
PATTY RUHL
GINA AGUILAR
MARY ROEBUCK
POSTLE GER 2:01.42
RIA HENNBACH
HEIKE STIEMER
PEGGY KOLONKO
ANETT KROMREY
S.PAULO MASTER BRA 2:01.69
PATRICIA BRITTO
ROSANA LATUF
FLAVIA PRADA
SOPHIE MONGINET

AGE 160-199
KONA USA 2:00.09
THERESA VILLA
KAT CLARK
SUE PETERSON
KATHY SHIPMAN
GOLD USA 2:01.42
EVELYN LYNCH
DEBBIE CAVANAUGH
JANET ZANN
TRACIE MOLL
NEM USA 2:01.48
BARBARA CROWDER
LESLIE COOPER
TRACY GRILLI
JACKI HIRSTY
DCM USA 2:04.88
CHERYL BRUNER
KAREN SULLIVAN
SUSAN SKIFF
DENISE KIRWAN
SGBSCR GER 2:05.32
ANDREA HALBACH
BARBARA STUBBE
MONIKA SENFTLEBEN
S.FELGENTRAGER
SFA SUI 2:05.71
REGULA STEIGER
SCHEIDEGGER-KUNZ
JEANNINE PILLOUD
ESTHER ISEPPI
BUSE HUN 2:06.47
CSILLA CSIKANY
IREN MONDI
JUDIT BARANYI
MAGDA PATOH
C.P.MORUMBY BRA 2:06.76

C.P.MORUMBY BRA 2:08.08
ROSANA LATUF
ELIANA MACIA
ROSANA CODARO
AROMA MARTORELL
PCAT USA 2:08.09
SUNNY SMILEY
C.RICHARDSON
KRISSY MACCURDY
LYNN SILVER

AGE 200-239
HOEM GBR 2:13.82
BERNICE WILKINS
ELIZABETH GREEN
JUDY WILSON
PAULINE COOKE
SPM USA 2:15.65
ANNE PAGE
ELAINE BROMWICH
JAYNE LAMBKE
LINDSAY POWELL
STMASTERSKANSAI JPN 2:16.57
FUSAKO HIROKA
KAZUKO KAJIWARA
YOSHIKO OSAKI
YOSHIE OSAKI
DCM USA 2:17.20
JOANN LEILICH
MARY ANDERSON
BARBARA FRID
RUTH BENNETT
C.P.MORUMBY BRA 2:21.51
LEONOR OLIVEIRA
ALSINA CAETANO
MATILDE MAAL
LILIAN MORAES
CORK M IRL 2:21.55
MARY O'HERLIHY
BRENDA RYAN
KATHERINA MAHON
JANE JOLLY
S.PAULO MASTER BRA 2:22.75
AROMA MARTORELL
LILIAN MORAES
IRVENIA PRADA
LEONOR OLIVEIRA
BUSE HUN 2:23.29
IMOLA HIKADE
MARTA EGERVARY
KATALIN CSAPO
EVA ANGYALFODI
BOH CZE 2:23.35
MARIE STVERAKOVA
MARCELA STASTNA
EVA KOSNAROVA
VERA PREISLEROVA
OAHU KIOICHO JPN 2:23.40
KEIKO UESUGI
KEIKO KANEKO
HIROKO FURUYA
MICHI MAKITA

AGE 240-279
ETTALONG AUSSI AUS 2:26.27
IRMA HEYTING
PAM HUTCHINGS
ELVERA DUNN
BRENDA CASEY
SDSM USA 2:29.15
BETSY JORDAN
ANN DALLAM
JEANNE LITTLE
JACKIE MARR
SAPPORO AC JPN 2:32.44
NOBUKO NISHIDA
SHIZUE BANDO
YOKO HYAKKOKU
KATSUKO KAGEYAMA
HEC JPN 2:33.10
HIDEKO NAITO
KEIKO FUJIMOTO
KIYOKO IKEUCHI
MICHIKO OTO
DUSSELDORF GER 2:33.34

OAHU KIOICHO JPN 2:35.81
MICHI MAKITA
K.TATSUKOSHI
NOBUE MUTO
NORIKO YATSUNAMI
DS1898 GER 2:36.21
BIRGIT OSSELMANN
INGRID LANGE
HELGA KAISER
U.MEYER-TONNDORF
FLIPPER SS JPN 2:37.27
SETSUKO MIYAZAKI
FUSAKO ENOMOTO
TAMIKO SASAGAWA
MITSUKO KOMURO
FLUMINENSE F.C. BRA 2:37.69
MARCIA BORELLI
CANDIDA GANDOLPHO
LILIAN MORAES
M.HELENA COSTA
SOLKHE SWE 2:39.44
MARGARETA RAINER
BARBRO THORNELOF
HARRIET BURE
KRISTINA VADEM

AGE 280-319
SOLKHE SWE 2:44.43
BRITT GRILLI
KERSTIN GJORES
MARIANNE GRANE
ERNA HAMMARLUND
KAWASAKI ITOMAN JPN 2:49.18
MIEKO KAMOSHITA
TOSHIKO KONISHI
MIDORI KINJO
KIYOKO KOZU
KAWASAKI ITOMAN JPN 2:54.13
MIEKO KAMOSHITA
TOSHIKO KONISHI

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FINA WORLD MASTERS TOP 10 - LONG COURSE METERS 1997

MIDORI KINJO
AKIKO HATTORI
CRONULLA SUTHER AUS 2:55.64
BETTY STERN
NANCYE MITCHELL
BARBARA ROSE
SHIRLEY GOODBURY
OAHU KIOICHO JPN 3:00.93
NORIKO YATSUNAMI
REIKO NAWATA
MACHIKO ITAI
KATSUE EBATO
KOEIKAI JPN 3:04.26
FUSAKO YAMANAKA
YOKO TONOUCHI
KUMIKO KUBO
MASAKO HOTEHAMA
OAHU KIOICHO JPN 3:10.79
NORIKO YATSUNAMI
MACHIKO ITAI
EIKO MIWA
HIDEKO MORI
OJAI-SANTA BARB USA 3:11.01
RUTH FARNHAM
GRACE ALTUS
MALCHIA OLSHAN
RUTH BAAR
SAPPORO AC JPN 3:11.61
UMEKO KUWAHARA
CHISE IBE
SACHIKO HASHIBA
MASAKO ASAMA
NISHINOMIYASUMI JPN 3:14.95
HATSUHO SUGAYA
CHIKAKO TAKAHARA
KINUE MATSUMOTO
MICHIKO AOYAGI

AGE 320-359
OAHU KIOICHO JPN 4:05.29
SACHIKO UDA
YOSHIKO WATANABE
HIDEKO MORI
TAYO FURUYA
****
RELAYS: WOMEN 200 M. MEDLEY
****
AGE 100-119
DEISUIKAI JPN 2:08.78
MIKI YAGI
CHIFUMI YAMAGA
MAMI OSUMI
YOKO YAMATSUJI
1.WVW GER 2:14.32
CORINNA KRIETSCH
SYLVIA HAAK
FRANKE WEHRENBERG
BIRGIT GIESECKE
VN ITA 2:14.72
LAURA RABUFFETTI
R.LANZAROTTI
EMILIA DI TOMA
DEBORA SILVESTRO
SPM USA 2:16.68
V.NIEDERMEYER
DANICE STONE
J.MCKEITHEN-BUSSE
LISA SUMMERS
KONA USA 2:19.15
DEBRA BUMATAY
MICHELE BOROWSKI
PAGE KUNST
KYLEE SANDUSKY
VACVE VEN 2:19.39

CRAWFISH MASTER USA 2:21.33
THERESA KLEIN
LESLIE STANLEY
HELEN WALSH
KATHERINE TOUPS
POTSDAMER SV GER 2:21.94

C.R.ICARAI BRA 2:22.65
DIANNE CUNHA
SILVIA RIBEIRO
FERNANDA SILVA
ALINE PESSOA
AQB BRA 2:23.54
IARA SCARPELLI
PATRICIA KOGLIN
S.OLIVEIRA
ELIZABETH GUNTHER

AGE 120-159
ORLM USA 2:09.84
MARGARET KELLER
BEVERLY LENSE
ROSEMARIE SEAMAN
CATHY SHONKWILER
MAJIKARU SPC JPN 2:13.36
HIROKO TAKUWA
CHIKAYO NAGATOMI
CHIYO HARA
MIKI AIHARA
SPES GBR 2:14.23
DEBRA RIKER
SUSAN HILL
AMANDA HEATH
SIOBHAN HARTLEY
CSCS GBR 2:14.24
CAROLE GARDNER
KAREN JAMES
ELAINE LUFF
MARIA KELLY
TOC USA 2:15.31
CORINNA SEIBT
CAROL BADGER
JOAN SCHRIGER
DANIELLE OGIER
WCM USA 2:16.16
KATHLEEN HARTNETT
S.SOTELO-OSBORNE
KATHY WOEHRLE
LAURIE VIDAL
S.PAULO MASTER BRA 2:17.82
SOPHIE MONGINET
PATRICIA BRITTO
AROMA MARTORELL
ROSANA LATUF
SGMA GER 2:18.78
DAGMAR STREULE
BARBARA GERLLRICH
SYNNOEVE ECKES
J.BORCKHOLDER
GOLD USA 2:19.28
LINDA HAUS
BETH TODD
JAMIE HERRINGTON
MICHELLE SCHRAER
HOT A USA 2:19.79
ANJA LACHMAN
BRIDGET BLACK
JULIA GORMAN
SARAH ANDERSON

AGE 160-199
SGBSCR GER 2:15.58
BARBARA STUBBE
PETRA DRUSE
MONIKA SENFTLEBEN
S.FELGENTRAGER
BUSE HUN 2:18.79
KATALIN VIRAGH
CSILLA CSIKANY
MARTA EGERVARY
MAGDA PATOH
KONA USA 2:19.00
THERESA VILLA
KAT CLARK
KATHY SHIPMAN
PATTI KIMBALL
NEUKOLLN BERLIN GER 2:19.49

PCAT USA 2:20.37
SUNNY SMILEY
C.RICHARDSON
KRISSY MACCURDY
LYNN SILVER
C.P.MORUMBY BRA 2:20.50

DCM USA 2:22.30
DENISE KIRWAN
MARY ANDERSON
SUSAN SKIFF
CHERYL BRUNER
LAKESIDE MASTER USA 2:22.70
AMY POPE
A.WRIGHT-BELKNAP
PAM MARTIN
DEBBIE COX
C.P.MORUMBY BRA 2:22.78
AROMA MARTORELL
ELIANA MACIA
ROSANA LATUF
ROSANA CODARO
GOLD USA 2:23.55
EVELYN LYNCH
DEBBIE CAVANAUGH
JANET ZANN
MARY PETTEE

AGE 200-239
HOEM GBR 2:26.61
BERNICE WILKINS
JUDY WILSON
ELAINE BROMWICH
PAULINE COOKE
DCM USA 2:29.92
BARBARA FRID
JOANN LEILICH
KAREN SULLIVAN
RUTH BENNETT
SPM USA 2:31.92
LINDSAY POWELL
ELAINE BROMWICH
ANNE PAGE
JAYNE LAMBKE
STMASTERSKANSAI JPN 2:32.20
YOSHIE OSAKI
KAZUKO KAJIWARA
YOSHIKO OSAKI
FUSAKO HIROKA
BOH CZE 2:36.05
VERA PREISLEROVA
MARCELA STASTNA
MARCELA FELGROVA
ALENA POSPISILOVA
WARRINGAH AUS 2:36.89
CLEONE ADDISON
MARION HARRISON
MARILYN EARP
LINDY KENNIWELL
NIC SS JPN 2:39.35
YURI SUETSUGU
KIMIKO MITSUMORI
HIROKO MIZUTANI
YURIKO HIRASAWA
WARAWARA JPN 2:39.64
HIROMI SATO
TOMOMI MIYAZONO
TSUNEKO YONEKURA
YUKO OTSUKA
OHTSU SWIM CIRC JPN 2:39.68
JUNKO IWAMI
KEIKO TSUJI
MASAKO AKITA
MASUNO MASUDA
C.P.MORUMBY BRA 2:39.85
MATILDE MAAL
ALSINA CAETANO
LILIAN MORAES
LEONOR OLIVEIRA

AGE 240-279
ETTALONG AUSSI AUS 2:49.52
PAM HUTCHINGS
BRENDA CASEY
ELVERA DUNN
IRMA HEYTING
SDSM USA 2:52.44
BETSY JORDAN
JACKIE MARR
JEANNE LITTLE
ANN DALLAM
DS1898 GER 2:54.03
INGRID LANGE
GISELA GUENTHER
ANNA DUEREN
USCHI MEYER
FLUMINENSE F.C. BRA 2:57.93
MARIA H.PADILLA
MARIA E.PADILLA
ENEDINA PEREIRA
CANDIDA GANDOLPHO
SOLKHE SWE 2:59.70
KERSTIN GJORES
ANN CHRISTIANSEN
BRITT GRILLI
KRISTINA VADEM
FLUMINENSE F.C. BRA 3:00.10
MARCIA BORELLI
MARIA E.PADILLA
LILIAN MORAES
CANDIDA GANDOLPHO
RIO MASTERS BRA 3:00.78

OAHU KIOICHO JPN 3:01.36
K.TATSUKOSHI
NORIKO YATSUNAMI
NOBUE MUTO
MICHI MAKITA
JSNW JPN 3:01.90
TOMOYO KITAZAWA
SHOKO YONOEZAWA
NOBUYO KITAGAWA
HIROKO OKU
FLIPPER SC JPN 3:03.28
TSUYO MINEZAKI
TAMIKO SASAGAWA
TOMIKO ITO
MITSUKO KOMURO

AGE 280-319
OAHU KIOICHO JPN 3:27.55
EIKO MIWA
SUMIKO YANAGISAWA
REIKO NAWATA
MACHIKO ITAI
SWIMI 89 JPN 3:35.07
KIMIKO YAMAGUCHI
CHIYOKO SHIBATA
HIROKO KATANO
CHIYOKO ATOJI
KAWASAKI ITOMAN JPN 3:36.42
MIDORI KINJO
MIEKO KAMOSHITA
KIYOKO KOZU
TOSHIKO KONISHI
CRONULLA SUTHER AUS 3:38.07
BETTY STERN
MELVA MCCARRON
BARBARA ROSE
NANCYE MITCHELL
OAHU KIOICHO JPN 3:38.20
YOSHIKO WATANABE
NORIKO YATSUNAMI
TSURUYO TANAKA
MACHIKO ITAI
KOEIKAI JPN 3:41.67
MASAYO MATSUDA

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TAZUKO YASUOKA
KUMIKO KUBO
MASAKO HOTEHAMA
SSF BONN GER 3:42.35

JOAK JPN 3:46.23
HARUMI SUGIMOTO
TOSHIE YOSHIDA
HIDEKO MORI
YOSHIKO WATANABE
OAHU KIOICHO JPN 3:55.60
HIDEKO MORI
SADAKO SATO
TSURUYO TANAKA
TOSHIE YOSHIDA
OAHU KIOICHO JPN 3:56.11
SUMIKO YANAGISAWA
TOSHIE YOSHIDA
HIDEKO MORI
MACHIKO ITAI

AGE 320-359
OAHU KIOICHO JPN 4:38.16
SACHIKO UDA
TAYO FURUYA
HIDEKO MORI
YOSHIKO WATANABE

****
RELAYS: M E N 200 M. FREE
****

AGE 100-119
LK FIN 1:38.73
JANNE VIRTANEN
JAANI VIRTANEN
ARI JAAKKOLA
TOMMY RUNDGREN
SLPL CZE 1:40.71
MICHAL HOLY
MARTIN OVSJANIKOV
MICHAL KUCERA
JIRI MIKULA
WASPON GER 1:41.58
MARCEL EKKELBOOM
THOMAS BRAND
GUNTHER STROTKER
PETER KORTHALS
USV DRESDEN GER 1:42.22
DANIEL FRANITZA
ANDREAS SCHMIDT
ULF HAUSMANN
PATRICK HOLITZKA
WFR FECHENHEIM GER 1:42.89

C.P.MORUMBY BRA 1:42.91

CHMS USA 1:43.49
ABRAHAM SOLANO
MICHAEL NEAL
BRAD SCHMIED
JEFFREY HOGG
ART USA 1:43.56
ROBERT HERMANET
LORENZO BENUCCI
JOHN O'KEEFE
MARK KAISER
C.P.MORUMBY BRA 1:44.55
ANDRE FERREIRA
RODRIGO MUNHOZ
RENATO CORDANI
CARLOS RAMOS
MENLO PARK USA 1:45.38
JOHN MOORE
ED OWEN
MARK WAN
BRIAN KOHLMEIER

AGE 120-159
AQUAC.BATEL BRA 1:39.93
ROBERTO CLAUSI
SANDRO HEREK
RENATO RAMALHO
NEWTON KAMINSKI
HSGUR GER 1:41.00
OLAF AHLERS
RENE ECKERMANN
HENRY NAETHBOHM
LARS HINNEBURG
ALLST RUS 1:41.53
ANTON ZAILOV
DMITRI KROMSKY
IGOR ORDINARTSEV
NIKOLAI KISELEV
OTSU SHIYAKUSHO JPN 1:41.82
MASAMI TAMAI
SEIJI YAMAMOTO
MITSURU KITANO
NORIYUKI YUMISAKA
IM USA 1:42.16
THOMAS MCCABE
DAVID GIBSON
TIMOTHY ROURKE
JOSEPH MAGIERA
SGGLEM GER 1:42.62
HARTMUT TUERK
STEFAN HAEFLE
ANTON KISS
DANIEL PFOFE
VFL SINDELFINGE GER 1:42.79

OAHU KIOICHO JPN 1:43.94
TOMOHIRO NOGUCHI
YASUO NARUSHIMA
MOTOMU SUZUKI
YUKIO ASANO
HSG UNI ROSTOCK GER 1:44.16

C.P.MORUMBY BRA 1:44.35
RICARDO OGATA
FABIO DIAS
RUY ARAUJO
CICERO TORTELLI

AGE 160-199
IM USA 1:42.16
THOMAS MCCABE
DAVID GIBSON
TIMOTHY ROURKE
JOSEPH MAGIERA
ORLM USA 1:45.13
FREDERICK EHMKE
RICK SCRAY
C.MILTENBERGER
L.MEISENHEIMER
GOLD USA 1:45.16
CRAIG BURNS
JOHN SPIRE
FRED MAYER
KURT WIENANTS
BRAT USA 1:45.95
BILL MRAZEK
BOB RUTH
DOUG SCHLAK
CRIS WILLIAMS
TOC USA 1:46.29
STUART CORLISS
MIKE KECK
JAMES BEGLINGER
ROBERT PLACAK
HSGHUB GER 1:46.45
FRANK KUHNE
RENE SCHULZE
JOSEF PACKENIUS
LUTZ UNGER
POWER POINTS AUS 1:47.31
JOHN IOSSIFIDIS
RUSSELL FLETCHER
GREGORY NORTH
GARY RYDBERG
TROYKA RUS 1:47.56
VLADIMIR LIPETSKI
ALEXANDRE KOULIK
S.RODIONOV
ROBERT STROKOUN
TSV LINDAU GER 1:47.80

SG HANSA DORTMU GER 1:48.00

AGE 200-239
TOC USA 1:45.19
STEVE CLARK
ROBERT STRAND
TIM BIRNIE
JAMES ELDER
KONA USA 1:45.97
DAVID PADGETT
STEVE BOROWSKI
WILLIAM GONZALEZ
MARK MADER
WTP POL 1:51.96
DARIUSZ WOLNY
W.BUCZKOWSKI
JOZEF LEWICKI
LEONARD BIELICZ
BUSE HUN 1:52.97
PETER BALASY
GABOR CSABA
MATYAS BORLOI
ATTILA BANHIDY
PVK CZE 1:53.56
RUDOLF SMERDA
FRANTISEK POKORNY
KAREL CERMAK
VILEM CEJKA
OLDENBURGER SV GER 1:53.76

TOC USA 1:54.45
RICHARD BASSI
JAMES KRUEGER
WILLIAM VAN HORN
PHILIP CHAPMAN
TTEX USA 1:54.61
LARRY WOOD
MARK STOUT
CHUCK BALDWIN
KEITH BELL
DCM USA 1:54.95
LAWRENCE COHEN
WILLIAM HERZER
FRED MUNSON
JOHN CALVERT
FLUMINENSE F.C. BRA 1:55.16
L.ROBERTO SILVA
LUIS RICARDO SIMI
J.EUGENIO FERRAZ
EDUARDO WEAVER

AGE 240-279
TOC USA 1:54.45
RICHARD BASSI
JAMES KRUEGER
WILLIAM VAN HORN
PHILIP CHAPMAN
GOLD USA 1:57.91
CAV CAVANAUGH
DAVID MCINTYRE
WILLIAM DOLAN
JOEL BURNS
NCMS USA 1:58.78
ROLFFS PINKERTON
JOHN KORTHEUER
DICK WEBBER
JERRY CLARK
WASSERR NORDER GER 1:59.75

SDSM USA 1:59.94
MIKE FRESHLEY
DONALD BAKER
ROBERT WILLIAMS
KENNETH KIMBALL
SDSM USA 2:00.79
MIKE FRESHLEY
KENNETH KIMBALL
DONALD BAKER
BILL EARLEY
YAMANASHIKYOTO JPN 2:01.52
TSUTOMU KAJIHARA
KATSURA SUZUKI
MITSUO MIZUKAMI
MITSUO MIZUKAMI
SMMM USA 2:02.15
DICK PETERSON
RAYMOND TAFT
GARY BRENNER
DONALD GALINE
ETTALONG AUSSI AUS 2:02.43
BRIAN HUTCHINGS
JACK BROWNJOHN
ROSS WILCOCK
JIM WILSON
REMSCHEID GER 2:03.22

AGE 280-319
YOKOHAMASUIEIKA JPN 2:18.41
HIDEAKI KATO
HISAO NAKAI
HIDEO HATTORI
MINORU NAGASHIMA
SHUEI JPN 2:19.15
KEIJIRO NAKAMURA
KATSUZO SHIROYAMA
GORO TANIGUCHI
ISAMU TAMURA
SOLKHE SWE 2:20.65
BO AMNELL
ARNE JUTNER
PETER BERGENGREN
NILS FERM
OAHU TSUNASHIMA JPN 2:20.74
EISUKE MAKI
SHIGERU MIYA
EIJI SOYAMA
HIDEO YOKOYAMA
BUSE HUN 2:22.92
OVIDIU GERMAN
BELA BANKI
GUSZTAV KETTESY
FERENC LATIN
KSG SUIZU SS BO JPN 2:23.33
YOSHIO HAYASHI
KOJI SASAHARA
SHOJI IKEDA
KAZUO YAMANE
SMMM USA 2:24.09
RAY TAFT
BOB CUNNINGHAM
DON STUPFEL
ROGER CAMPBELL
REMSCHEID GER 2:25.39

NAKADATE SS JPN 2:26.44
MASAKI INABA
SHOJI KOBAYASHI
SATORU KATO
KANAME TANAKA
OJAI-SANTA BARB USA 2:27.46
JURGEN SCHMIDT
JOHN STERN
JOHN BLECK
FRANK PIEMME

AGE 320-359
SPM USA 3:28.44
ROBERT ATWOOD
JOHN JOHNSTON
FRED WALBOLT
BILL UHRICH
POSEIDON BERLIN GER 3:33.59

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VCSS BC CAN 3:33.75
PINARD
WARD
THOMAS
PANT
TXAM USA 3:41.04
BENNETT ALLEN
FRANK CAMPBELL
TEX ROBERTSON
ROY BODINE
C.R.ICARAI BRA 5:16.50
GASTAO FIGUEIREDO
ALBERTO CARVALHO
MAURICIO BARRETO
ANTONIO RIBEIRO

****
RELAYS: M E N 200 M. MEDLEY
****

AGE 100-119

LK FIN 1:52.04
ARI JAAKKOLA
JANNE VIRTANEN
TOMMY RUNDGREN
JAANI VIRTANEN
SLPL CZE 1:52.10
MICHAL HOLY
JIRI MIKULA
MICHAL KUCERA
MARTIN OVSJANIKOV
USVTUD GER 1:52.46
DANIEL FRANITZA
PATRICK HOLITZKA
ULF HAUSMANN
MICHAEL KUMMER
TOC USA 1:54.19
GREG LARSON
ERIC TARBELL
DOUGLAS WOODRING
STEPHEN GOTH
C.N.P. FRA 1:56.45
OLIVIER GALLET
FABIEN TRUCHI
GUY LACONTAL
PASCAL HEBANT
AINOSENSHIMARUS JPN 1:56.90
YASUHIRO OKADA
HIROSHI KUROSAWA
SHIGEHO NAKAYAMA
TSUBASA KATO
CHMS USA 1:57.17
BRAD SCHMIED
ABRAHAM SOLANO
MICHAEL NEAL
JEFFREY HOGG
PAINEIRAS DO MO BRA 1:57.62
RENATO CORDANI
RODRIGO MUNHOZ
ANDRE FERREIRA
CARLOS RAMOS
PAINEIRAS DO MO BRA 1:58.66

TSVRH GER 1:59.20
LARS GIRBIG
RALF BERNSDORF
PHILIPP SCHULER
KAI BERNSDORF

AGE 120-159

AQUACENTER BATE BRA 1:51.26
RENATO RAMALHO
ROBERTO CLAUSI
NEWTON KAMINSKI
SANDRO HEREK
TROYKA RUS 1:52.39
ALEXEI VLASSENKO
ROBERT STROKOUN
DMITRI VOLKOV
MAXIM VOLKOV
GOLD USA 1:53.12
KURT WIENANTS
SETH VAN NEERDEN
JONATHAN OLSEN
CRAIG BURNS
OAHU KIOICHO JPN 1:54.02
MOTOMU SUZUKI
YASUO NARUSHIMA
TOMOHIRO NOGUCHI
YUKIO ASANO
MAINZ GER 1:55.07

HSGUR GER 1:55.31
RENE ECKERMANN
OLAF AHLERS
HENRY NAETHBOHM
LARS HINNEBURG
YUKAINAKAPPATAC JPN 1:55.68
TORU YASUI
FUMITAKE SUGAUCHI
HIDEYUKI CHIGIRA
SATOSHI SUMIDA
SINDELFINGER GER 1:55.78

SSGBRA GER 1:56.05
RYSZARD ZUGAY
TOBIAS LERCH
GERALD AHRENS
MAGNUS LERCH
POSTLE GER 1:56.79
FRANK SCHOBER
MATTHAIS MACHT
N.HOEDT
TORSTEN WOLF

AGE 160-199

IM USA 1:56.84
ANDREAS SEIBT
JOSEPH MAGIERA
TIMOTHY ROURKE
THOMAS MCCABE
SPM USA 1:56.96
BOB BURESH
ARTHUR HALTTUNEN
WILLIAM SPECHT
RUSSELL FRAZIER
TOC USA 1:57.46
FRED FERROGGIARO
STUART CORLISS
ROBERT PLACAK
MIKE KECK
ORLM USA 2:00.33
RICK SCRAY
C.MILTENBERGER
FREDERICK EHMKE
L.MEISENHEIMER
TSVLIN GER 2:01.11
ULI HEBAUER
MICHAEL JESCHKE
REINHOLD POHL
OSSI ILGEN
HANSA DORTMU GER 2:01.21

ALLST RUS 2:01.46
NIKOLAI KISELEV
ALEXANDER GUBKIN
YURIY FOKIN
JAROSLAV NOVITSKI
MSV MUNCHEN GER 2:01.64

TROYKA RUS 2:01.86
S.RODIONOV
VLADIMIR LIPETSKI
TIMOUR PODMAREV
ALEXANDRE KOULIK
SGF GER 2:02.16
SEBASTIAN MOLL
MICHAEL WOLSKI
ANDREAS MARKA
H.HARBRECHT

AGE 200-239

TOC USA 1:59.48
TIM BIRNIE
ROBERT STRAND
STEVE CLARK
JAMES ELDER
KONA USA 2:00.55
MARK MADER
WILLIAM GONZALEZ
STEVE BOROWSKI
DAVID PADGETT
WTP POL 2:02.71
DARIUSZ WOLNY
LEONARD BIELICZ
W.BUCZKOWSKI
JOZEF LEWICKI
GOLD USA 2:05.35
JOHN SPIRE
JORGE GONZALEZ
JOEL BURNS
CAV CAVANAUGH
BUSE HUN 2:05.42
MATIASZ BORLOI
GABOR CSABA
PETER BALASY
ATTILA BANHIDY
HSGHUB GER 2:05.47
RALF SCHULZ
BERND SCHRODER
BERND WUNSCHE
HORST LEHMANN
BS HUN 2:06.45
JOZSEF CSIKANY
FERENC LENKEI
GABOR CSABA
LASZLO CSABA
HAKUYO JPN 2:07.74
HIROSHI NONAKA
SEIKO OKAZAKI
SADAO SAJIKI
SEIJI NAKANISHI
HUMU USA 2:08.66
DOUGLAS RICE
BRUCE CLARK
ULRICH KLINKE
PAUL MEYER
BRAT USA 2:09.17
STEVEN VAN SCIVER
SCOTT GUTHRIE
MARK EBEL
GLENN WOODSUM

AGE 240-279

BUSE HUN 2:15.88
JOZSEF CSIKANY
MIKLOS KOVATS
BELA FABIAN
FERENC LATIN
TOC USA 2:17.51
RICHARD BASSI
TIM TIMKEN
JAMES KRUEGER
PHILIP CHAPMAN
NCMS USA 2:20.08
ROLFFS PINKERTON
JOHN KORTHEUER
DICK WEBBER
JERRY CLARK
WARA NORDERSTED GER 2:20.09

SOLKHE SWE 2:20.13
ERIC FORSLUND
INGVAR ERIKSSON
MATTHIAS KRONER
NILS KLING
HAKUYO JPN 2:20.46
HIROSHI NONAKA
KENSUKE SATO
TAKASHI TERAKOSHI
TOSHIMI INATOMI
SSV LEIPZIG GER 2:20.49

HAKUYO JPN 2:20.63
HIROSHI NONAKA
KENSUKE SATO
MITSUO NOMURA
TOSHIMI INATOMI
SSVL90 GER 2:21.03
WALTER LEX
WOLFGANG SIEBER
JOCHEN HEROLD
MARTIN KLINK
OAHU KIOICHO JPN 2:21.17
TADAYUKI TAKAGI
MASATERU ISA
MASARU IGARASHI
MASAYASU KAMIYA

AGE 280-319

FMM USA 2:33.50
PAUL HUTINGER
ROBERT MACDONALD
JOSEPH KURTZMAN
ALAN MALONEY
SHUEI JPN 2:46.00
GORO TANIGUCHI
GENICHI SUZUKI
KEIICHI TOKUNAGA
KEIJIRO NAKAMURA
SOLKHE SWE 2:46.71
NILS FERM
PETER BERGENGREN
BO AMNELL
ARNE JUTNER
SGREM GER 2:46.97
ERICH DILFER
GUENTER UNKEL
RUDI ESS
WERNER HAHN
PVKBR CZE 2:47.35
RUDOLF JASKA
KAREL HUDEC
VLADIMIR REPKA
JAN ZIEGLER
SSV RHEYDT GER 2:49.62

KSG SUIZU SS BO JPN 2:51.32
SHOJI IKEDA
YOSHIO HAYASHI
KAZUO YAMANE
KOJI SASAHARA
SSVRY GER 2:51.71
WOLFGANG JONTZA
KARL HEINZ KNOPS
KARL ARTHUR ESSER
H.SCHEULEN
OJAI-SANTA BARB USA 2:51.74
JOHN BLECK
JOHN STERN
FRANK PIEMME
JURGEN SCHMIDT
YOKOHAMASUIEIKA JPN 2:54.89
HISAO NAKAI
HIDEO HATTORI
MINORU NAGASHIMA
HIDEAKI KATO

AGE 320-359

TXAM USA 3:37.10
FRANK CAMPBELL
BENNETT ALLEN
JESSE COON
TEX ROBERTSON
POSEIDON BERLIN GER 4:05.04

SPM USA 4:09.20
ROBERT ATWOOD
JOHN JOHNSTON
BILL UHRICH
FRED WALBOLT
C R ICARAI BRA 5:19.38

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MAURICIO BARRETO
ANTONIO RIBEIRO
ALBERTO CARVALHO
GASTAO FIGUEIREDO

****
RELAYS: MIXED 200 M. FREE
****

AGE 100-119

TOC USA 1:49.25
GREG LARSON
JOAN SCHRIGER
CORINNA SEIBT
ERIC TARBELL

WFR FECHENHEIM GER 1:49.48

C.P.MORUMBY BRA 1:51.10

OSCPO GER 1:51.65
REIKO HANDLER
KIRSTEN BLUDAU
STEFAN GOMMLICH
PETRA WLOKA

CSCS GBR 1:51.78
NEIL KEMP
MARIA KELLY
MATTHEW GOMEZ
CAROLE GARDNER

C.P.MORUMBY BRA 1:51.86

1.WVW GER 1:52.01
MATTHIAS WENDT
BIRGIT GIESECKE
SYLVIA HAAK
FRANK TIEDEMANN

E.C.PINHEIROS BRA 1:52.67
ALVES SANTOS
SIMONE NAKANO
SYLVIA FERRO
FERREIRA SILVA

C.R.ICARAI BRA 1:52.69
CARLOS MATTOS
FERNANDA SILVA
ALINE PESSOA
CLAUDIO SILVA

E.C.PINHEIROS BRA 1:52.92

AGE 120-159

WSU GER 1:46.90
CHRISTIAN LEIFER
MANUELA SCHUBERT
BARBARA ERNST
INGO SCHUBERT

ESST USA 1:47.36
BERT BERGEN
BOO GRANER-GALLAS
D.GRANER-GALLAS
MARY BERGEN

AQUAC.BATEL BRA 1:47.55
ROBERTO CLAUSI
IARA SCARPELLI
SIBELE OLIVEIRA
SANDRO HEREK

AMK UKR 1:48.21
INNA GLUSHENKO
SERGIY FESENKO
A.SIDORENKO
OLENA DUBYNETS

WARRINGAH AUS 1:49.06
SUSAN GALLIE
GISELLE ADDISON
TONY HAINES
PAUL BRADBURN

TOC USA 1:49.25
GREG LARSON
JOAN SCHRIGER
CORINNA SEIBT
ERIC TARBELL

VFL SINDELFINGE GER 1:49.49

HSGUR GER 1:49.61
CAREN MAHN
OLAF AHLERS
S.HAMMERSDORFER
LARS HINNEBURG

TSVBD GER 1:50.05
STEPHAN GUESGEN
ANDREA SKLOMEIT
WOLFGANG NICKEL
PETRA NICKEL

SPES GBR 1:50.40
SIOBHAN HARTLEY
MARK SALWAY
SUSAN HILL
MARK SMITHERS

AGE 160-199

ORLM USA 1:48.26
C.MILTENBERGER
ROSEMARIE SEAMAN
CATHY SHONKWILER
L.MEISENHEIMER

KONA USA 1:49.60
STEVE BOROWSKI
THERESA VILLA
DEBRA BUMATAY
DAVID PADGETT

NEM USA 1:50.46
EDMUND GENDREAU
JACKI HIRSTY
BARBARA CROWDER
ROBERT CROWDER

TTEX USA 1:54.04
KARLENE WISE
S.NEILSON-BELL
CHUCK BALDWIN
LARRY WOOD

SFA SUI 1:54.50
K.SCHNURRENBERGER
SCHEIDEGGER-KUNZ
REGULA STEIGER
MARCO HERR

TOC USA 1:54.64
STEVE CLARK
MARGUERITE MEYER
CAROL BADGER
STUART CORLISS

SDSM USA 1:54.71
K.PIPES-NEILSEN
JAMES NEY
CATHY NEVILLE
LELAND JR SWANSON

WARRINGAH AUS 1:55.16
CATHY CODLING
PATRICIA KEOGH
MARK MORGAN
PHILIP CAMPBELL

HLJ USA 1:55.21
KATHY STEELE
BILL PILLMORE
MARY ROEBUCK
MICHAEL BURLEY

PCAT USA 1:55.47
MICHAEL FOX
SUNNY SMILEY
KRISSY MACCURDY
THOMAS WOLF

AGE 200-239

TTEX USA 1:56.35
S.NEILSON-BELL
KARLENE WISE
CHUCK BALDWIN
KEITH BELL

DCM USA 1:59.44
LAWRENCE COHEN
DENISE KIRWAN
SUSAN SKIFF
JOHN CALVERT

GOLD USA 1:59.77
CAV CAVANAUGH
EVELYN LYNCH
JANET ZANN
JOEL BURNS

HOEM GBR 2:01.51
ROBERT LORD
JUDY WILSON
ANDY WILSON
PAULINE COOKE

SOLKHE SWE 2:02.14
ANN CHRISTIANSEN
PETER BERGENGREN
MARGARETA RAINER
BO AMNELL

BUSE HUN 2:02.71
GABOR CSABA
MARTA EGERVARY
MAGDA PATOH
ATTILA BANHIDY

WARRINGAH AUS 2:03.04
MARILYN EARP
LINDY KENNIWELL
JOHN PARRY
IAN DODD

SGNB GER 2:03.60
MANFRED BROCK
BRIGITTE MERTEN
KLAUS MERTEN
RUTH STUBERT

WARA NORDERSTED GER 2:04.81

HUMU USA 2:04.92
BRUCE CLARK
NANCY STAAL
DIANE STOWELL
STEVE RUDOLPH

AGE 240-279

SDSM USA 2:07.26
DONALD BAKER
JEANNE LITTLE
JACKIE MARR
BILL EARLEY

TOC USA 2:07.32
RICHARD BASSI
DANIELLE OGIER
MARGERY MEYER
PHILIP CHAPMAN

SDSM USA 2:11.79
DONALD BAKER
LYNNE LUND
JACKIE MARR
KENNETH KIMBALL

ETTALONG AUSSI AUS 2:12.65
PAM HUTCHINGS
BRENDA CASEY
ALLAN DUFTY
JACK BROWNJOHN

HAKUYO JPN 2:16.41
HIROSHI NONAKA
KIMIKO YOSHINAGA
FUMIKO NAKAMURA
KENSUKE SATO

OAHU KIOICHO JPN 2:16.99
MASAYASU KAMIYA
MASARU IGARASHI
REIKO NAWATA
YUMIKO MOCHIZUKI

NCMS USA 2:17.57
MARY SANSBURY
SALLY NEWELL
JOHN MURPHY
DICK WEBBER

SGNB GER 2:17.77
SIEGRID KURTZ
MARGA SCHULZE
WOLFGANG BOHME
GUNTER WOLF

FLUMINENSE F.C. BRA 2:17.96
MARIA H.PADILLA
SYLVIO SANTOS
MARCIA BORELLI
LUIS RICARDO SIMI

GOLD USA 2:18.00
ALAN RAPPERPORT
DEBBIE CAVANAUGH
JUNE KRAUSER
WILLIAM DOLAN

AGE 280-319

YOKOHAMASUIEIKA JPN 2:38.67
HIDEAKI KATO
YOSHIKO AMANO
CHIEKO TAKANO
MINORU NAGASHIMA

FLUMINENSE F.C. BRA 2:40.19
SEVERINO VELOSO
ENEDINA PEREIRA
CANDIDA GANDOLPHO
GASTAO CARVALHO

ETTALONG AUSSI AUS 2:42.09
HARRY BRIAN
KEVIN VICKERY
HELEN HEBER
IRMA HEYTING

NEM USA 2:44.08
JAMES EDWARDS
B.BURRILL
PETEY SMITH
F.H. TED HAARTZ

KONA USA 2:44.93
RONALD WALSKE
EDWARD NAKAMURA
RUTH MANFREDI
KAREN VAN PELT

FLUMINENSE F.C. BRA 2:46.98
ENA KOUYOMDJIAN
CARLOCINIO MOURA
CANDIDA GANDOLPHO
SYLVIO SANTOS

SHIZUOKAYUEIKAI JPN 2:47.13
HIDEKO HARAKAWA
TOMIKO MOCHITSUKI
S.MOCHIZUKI
KAZUO SHIBATA

KOKUBUNJISHISUI JPN 2:48.68
T.NAKAHIRA
GORO HASHIZUME
TOSHIKO AOKI
KIKUE KOSHIDA

HUMU USA 2:49.78
AILEEN SOULE
LINDA LINGLE
MORRIS MATTHEWS
PETE OKUMOTO

C.R.ICARAI BRA 2:50.62
ALBERTO CARVALHO
MARLENE MENDES
DORA SODRE
ALDO MANFROI

AGE 320-359

DURHAM LIGHT NZL 2:51.17
BERYL BRERETON
TOM LOGAN
SIDNEY SALEK
OLGA JOHNSON

COAST MASTERS USA 3:40.66
MADELEINE MILLER
MAURINE KORNFELD
BOB CHRISTIANS
WOODROW BOWERSOCK

YOKOHAMASUIEIKA JPN 3:47.47
AKIRA MATSUNO
MASAKO MATSUNO
KIKUYO EBATO
TOYOJI TAKAMI

YOKOHAMASUIEIKA JPN 3:52.68
KIYOKO KANO
SHIZUE HATA

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AKIRA MATSUNO
TOYOJI TAKAMI
SCPBE GER 4:01.56
ILSE ROCHOWIAK
MARGOT WOLF
ARNOLD SCHUBLER
KARL WITTENBERG

****
RELAYS: MIXED 200 M. MEDLEY
****

AGE 100-119

1.WVW GER 2:04.30
CORINNA KRIETSCH
MATTHIAS WENDT
FRANKE WEHRENBERG
FRANK TIEDEMANN
TOC USA 2:04.84
CORINNA SEIBT
GREG LARSON
JOAN SCHRIGER
ERIC TARBELL
WFR FECHENHEIM GER 2:06.44

SB DELPHIN AUGS GER 2:07.36

OSCPO GER 2:07.54
STEFAN GOMMLICH
REIKO HANDLER
KIRSTEN BLUDAU
PETRA WLOKA
CSCS GBR 2:07.95
CAROLE GARDNER
MARIA KELLY
MATTHEW GOMEZ
TREVOR COOK
E.C.PINHEIROS BRA 2:08.04
FERREIRA SILVA
SIMONE NAKANO
JOSE PEREIRA
SYLVIA FERRO
C.P.MORUMBY BRA 2:08.36

KONA USA 2:08.60
DEBRA BUMATAY
JIM MELLON
MICHAEL MCCARY
PAGE KUNST
RIO MASTERS BRA 2:08.61

AGE 120-159

WCM USA 1:59.68
KATHLEEN HARTNETT
GARY PATTERSON
STEPHEN STAHL
LAURIE VIDAL
AMK UKR 2:01.15
ELENA DUBINIETZ
SERGIY FESENKO
A.SIDORENKO
INNA GLUSHENKO
AQUAC.BATEL BRA 2:02.07
RENATO RAMALHO
SIBELE OLIVEIRA
NEWTON KAMINSKI
IARA SCARPELLI
GOLD USA 2:02.19
LINDA HAUS
WILLIAM ZENGA
TRACIE MOLL
KURT WIENANTS
POSTLE GER 2:03.63
JAN ZIEROLD
HEIKE HAENDEL
JENS LUTSCHIN
ANETT KROMREY
VFL SINDELFINGE GER 2:03.79

WARRINGAH AUS 2:04.78
BLAIR MCQUADE
TONY TOOHER
CATHY CODLING
GISELLE ADDISON
TOC USA 2:04.84
CORINNA SEIBT
GREG LARSON
JOAN SCHRIGER
ERIC TARBELL
WSU GER 2:05.05
SCHUBERT-STELLMAC
CHRISTIAN LEIFER
INGO SCHUBERT
BARBARA ERNST
ROBBEN/VFL ZE GER 2:05.34

AGE 160-199

ORLM USA 2:02.49
CATHY SHONKWILER
C.MILTENBERGER
ROSEMARIE SEAMAN
L.MEISENHEIMER
NEM USA 2:04.34
ROBERT CROWDER
EDMUND GENDREAU
BARBARA CROWDER
JACKI HIRSTY
BUSE HUN 2:05.12
KATALIN VIRAGH
SCILLA SCIKANY
PETER BALASY
ATTILA BANHIDY
SCAQ USA 2:05.71
CAROLE SHARPLESS
PAUL HENNE
JAMES BELARDI
BONNIE ADAIR
NEUKOLLN BERLIN GER 2:06.89

PCAT USA 2:08.32
THOMAS WOLF
KRISSY MACCURDY
SUNNY SMILEY
MICHAEL FOX
ESST USA 2:09.63
D.GRANER-GALLAS
MAUREEN KIKUT
BOO GRANER-GALLAS
BERT BERGEN
ROBBEN/VFL ZEH GER 2:10.05

KONA USA 2:10.12
JEFF DEVINS
SUE PETERSON
KATHY SHIPMAN
DAVID PADGETT
C.P.MORUMBY BRA 2:10.37

AGE 200-239

TTEX USA 2:12.71
KARLENE WISE
CHUCK BALDWIN
KEITH BELL
S.NEILSON-BELL
HOEM GBR 2:15.38
BERNICE WILKINS
ROBERT LORD
ELAINE BROMWICH
JUDY WILSON
BS HUN 2:17.08
JOZSEF CSIKANY
MAARTA EGERVARY
GABOR CSABA
MAGDA PATOH
DCM USA 2:17.87
DENISE KIRWAN
JOHN CALVERT
SUSAN SKIFF
LAWRENCE COHEN
SPM USA 2:18.72
PETER BETZER
ELAINE BROMWICH
GARY BASTIE
ANNE PAGE
PAINEIRAS DO MO BRA 2:18.86

KONA USA 2:19.74
THERESA VILLA
WILLIAM GONZALEZ
STEVE BOROWSKI
KAREN VAN PELT
WEINHEIM-HOHE GER 2:20.35

OLDENBURGER SV GER 2:20.59

SGNB GER 2:20.80
BRIGITTE MERTEN
MANFRED BROCK
WOLFGANG GATCKE
RUTH STUBERT

AGE 240-279

TOC USA 2:27.14
MARGERY MEYER
DANIELLE OGIER
STEVE CLARK
PHILIP CHAPMAN
NCMS USA 2:28.04
JEANNIE MITCHELL
SALLY NEWELL
JOHN KORTHEUER
DICK WEBBER
SDSM USA 2:29.82
BETSY JORDAN
MIKE FRESHLEY
DONALD BAKER
JEANNE LITTLE
ETTALONG AUSSI AUS 2:30.12
PAM HUTCHINGS
BRENDA CASEY
ALLAN DUFTY
JACK BROWNJOHN
TULS USA 2:33.94
A.WEGHE
DENNIS WILSON
GLENN STOREY
DENNY SAUNDERS
SOLKHE SWE 2:34.38
BRITT GRILLI
INGVAR ERIKSSON
MATTHIAS KRONER
MARIANNE GRANE
WASSERR NORDER GER 2:37.22

FLIPPER SS JPN 2:37.55
TSUYO MINEZAKI
KAZUYA NISHINO
TADAO SATO
MITSUKO KOMURO
GOLD USA 2:37.81
ALAN RAPPERPORT
DEBBIE CAVANAUGH
JUNE KRAUSER
DONALD SONIA
JMST USA 2:37.84
DORIS STEADMAN
LOUIS ABEL
N.STEADMAN-MARTIN
WILLIAM HAYNES

AGE 280-319

PVKBR CZE 3:01.93
RUZENA VYMAZALOVA
KAREL HUDEC
JARMILA REBICKOVA
JAN ZIEGLER
SOLKHE SWE 3:05.14
KERSTIN GJORES
ERIC FORSLUND
LENNART INGMO
KRISTINA VADEM
SUNWAY YOKOHAMA JPN 3:05.58
SHOGORO AZUMA
SHOKO YONEZAWA
HIROMICHI EGUCHI
YOKO SUGIYAMA
BSVM GER 3:05.70
HEINZ SIEGEL
JUTTA SEIDL
EDITH BOEHM
WALTER STEEB
ETTALONG AUSSI AUS 3:06.50
HARRY BRIAN
KEVIN VICKERY
HELEN HEBER
IRMA HEYTING
MANLY AUSSI AUS 3:08.48
LIZ WALLIS
JAMIE JENKINS
JUDY BURKE
TERRY KELLY
SUNWAY YOKOHAMA JPN 3:10.79
SHOGORO AZUMA
SHOKO YONEZAWA
HIROMICHI EGUCHI
HIROKO OKU
FLUMINENSE F C BRA 3:11.33
GASTAO CARVALHO
CANDIDA GANDOLPHO
ENEDINA PEREIRA
SEVERINO VELOSO
NIC SS JPN 3:18.01
MIDORI TARUMI
ISAO HIRASAWA
NAGAHARU SUZUKI
YURIKO HIRASAWA
C R ICARAI BRA 3:19.38
ALBERTO CARVALHO
NORA RONAI
ALDO MANFROI
ISSA COIROLO

AGE 320-359

COAST MASTERS USA 4:20.90
MAXINE MERLINO
MADELEINE MILLER
LOUIS GIBERSON
BOB CHRISTIANS
SMMM USA 4:42.13
ZADA TAFT
HILDA BUEL
RAY TAFT
JOE KAUFMAN

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