

7/3/2020



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1989

1:21.35	ANETTE OLSSON	SWE	5:46.81	MARGUERITE MEYER	USA	35.50	LOUISE STACY	USA	1:17.67	LUANNE BEINKE	USA
1:23.13	MELINDA GREIG	USA	5:47.86	J. COSSTICK	AUS	35.96	ANN GUINS	USA	1:18.30	TERRY GAULT	USA
1:23.30	LORI SCOTT	USA	5:50.19	ELAINE HOCHULI	USA	36.04	JAN PESAVENTO	USA	1:19.70	KAREN BIERWERT	USA
1:23.78	SYLVIE DESCHANPS	CAN	5:56.14	MARILYN AS FINK	USA	36.80	GAIL MEAKINS	USA	200 M.	FLY	
1:24.40	B.BREISACHER	USA	5:56.17	NANCI SIROIS	USA	37.04	J. MURRAY	AUS	2:38.99	SUSAN SKIFF	USA
1:24.40	BETH BREISACHER	USA				37.05	K. VALLANCE	AUS	2:42.88	LINDA BAMBER	USA
1:25.03	LAURIE DERLAN	USA	*****			100 M.	BACK		2:50.54	DENISE EVERITT	USA
1:25.10	LINDA WIBBELINK	NED				1:12.77	LAURA VAL	USA	2:57.61	TERRY GAULT	USA
200 M.	BRST		*****			1:16.10	GLENDIA BIDDLE	NZL	3:00.00	CARLA HENSEN	NED
2:49.16	ESTER ISEPPI	SUI	50 M.	FREE		1:16.25	JAN PESAVENTO	USA	3:01.23	KAREN BIERWERT	USA
2:52.52	HUDDIE MURRY	USA	27.66	JACKI HIRSTY	USA	1:16.36	ANNE CORK	GBR	3:08.20	SUZANNE RAGUE	USA
2:53.48	LISA BENNETT	USA	27.97	LAURA VAL	USA	1:19.01	GAIL MEAKINS	USA	3:13.93	J. KEAST	AUS
2:55.96	L. LEHMANN	AUS	28.82	BETH BRENNER	USA	1:19.01	BROOKE DICK	USA	3:22.28	HELEN FLETCHER	NZL
3:07.93	LORETTA CROWLEY	USA	28.94	MARILYN AS FINK	USA	1:19.34	LOUISE STACY	USA	3:27.35	L. MITCHELL	AUS
3:09.63	KAREN FARNSWORTH	USA	29.20	LESLIE OSBORNE	USA	1:20.53	JONELLE SCHMIDT	USA	100 M.	I.M.	
3:10.03	SHERRY BROTHERS	USA	29.43	GAIL MEAKINS	USA	1:20.90	MARILYN AS FINK	USA	1:11.55	JACKI HIRSTY	USA
3:13.28	KIM PHILLIPS	USA	30.03	Z. BOYER	AUS	1:21.12	MARJORIE MEEK	USA	1:11.69	CATHERINE KOHN	USA
3:14.02	NANCI SIROIS	USA	30.26	RUTH THOMSON	GBR	200 M.	BACK		1:12.38	LAURA VAL	USA
3:14.45	J. RAMSAY	AUS	30.52	E. VINES	AUS	2:43.55	GLENDIA BIDDLE	NZL	1:13.62	BETH BRENNER	USA
50 M.	FLY		30.56	K. VALLANCE	AUS	2:45.14	JAN PESAVENTO	USA	1:14.19	LESLIE OSBORNE	USA
31.53	ELAINE HOCHULI	USA	100 M.	FREE		2:46.66	LOUISE STACY	USA	1:15.44	JAN PESAVENTO	USA
31.71	MAUREEN MORTELL	USA	1:00.75	JACKI HIRSTY	USA	2:50.60	MARY BETH BRENNER	USA	1:15.78	ROSE WILSON	USA
32.06	LORI SCOTT	USA	1:05.81	MARY BETH BRENNER	USA	2:52.80	JUDY BELFORD	USA	1:16.00	ANNE CORK	GBR
32.10	SYLVIA VAMSTELL	NED	1:05.83	MARILYN AS FINK	USA	2:53.54	BROOKE DICK	USA	1:16.79	GLENDIA BIDDLE	NZL
32.50	A. VALENTINI	ITA	1:06.96	GAIL MEAKINS	USA	2:56.92	MARJORIE MEEK	USA	1:17.66	SUSI CHANDLER	USA
32.71	SUZANNE HEIM	NZL	1:07.34	LESLIE OSBORNE	USA	2:56.99	JOANNE BOWSER	USA	200 M.	I.M.	
32.72	MORRI SPANG	USA	1:07.93	JOAN WHEELER	GBR	2:57.55	LINDA BAMBER	USA	2:35.52	CATHERINE KOHN	USA
32.80	LINDA WIBBELINK	NED	1:08.06	SUSI CHANDLER	USA	3:06.61	M. WILBY	AUS	2:45.15	JAN PESAVENTO	USA
33.19	DONNA NEARY	USA	1:08.65	E. VINES	AUS	50 M.	BRST		2:45.60	SUSI CHANDLER	USA
33.27	LIBBY NEUFELD	USA	1:08.73	ANNE LABORWIT	USA	34.63	LESLIE OSBORNE	USA	2:46.96	JONELLE SCHMIDT	USA
100 M.	FLY		1:08.76	BARBARA MCNITT	USA	38.14	JEAN TRACY	USA	2:47.32	GLENDIA BIDDLE	NZL
1:09.09	HUDDIE MURRY	USA	200 M.	FREE		38.38	KATHLEEN HOWELL	USA	2:48.19	ROSE WILSON	USA
1:10.59	LISA BENNETT	USA	2:12.69	JACKI HIRSTY	USA	38.73	GAYLE BENTY	USA	2:50.70	PATRICIA MATTSON	USA
1:10.83	MAUREEN MORTELL	USA	2:22.08	LINDA BAMBER	USA	39.03	KATALIN CSAPO	HUN	2:51.04	MARY BETH BRENNER	USA
1:11.26	SUZANNE HEIM	NZL	2:22.08	BETH BRENNER	USA	39.05	GILLIAN CACKETT	GBR	2:54.69	MARION MILNER	USA
1:13.40	LINDA WIBBELINK	NED	2:25.38	LUANNE BEINKE	USA	39.78	CYNTHIA HAZLEWOOD	USA	2:56.90	CRISTINA FERRUCCI	ITA
1:13.40	SYLVIA VAMSTELL	NED	2:25.41	JONELLE SCHMIDT	USA	39.90	C. KINGSBEER	NZL	400 M.	I.M.	
1:14.05	LORI SCOTT	USA	2:27.79	ANNE LABORWIT	USA	40.41	PATRICIA MATTSON	USA	5:42.11	CATHERINE KOHN	USA
1:14.31	ELAINE HOCHULI	USA	2:27.90	SUSI CHANDLER	USA	40.53	CAROLINE REYNAND	USA	5:44.82	SUSAN SKIFF	USA
1:14.41	L. LEHMANN	AUS	2:28.04	BARBARA MCNITT	USA	100 M.	BRST		5:50.69	SUSI CHANDLER	USA
1:14.41	SUE PARDEW	USA	2:32.25	GAIL MEAKINS	USA	1:16.70	LESLIE OSBORNE	USA	5:52.32	LOUISE STACY	USA
200 M.	FLY		2:33.58	SHANNON SULLIVAN	USA	1:22.55	CATHERINE KOHN	USA	5:59.13	PATRICIA MATTSON	USA
2:30.73	HUDDIE MURRY	USA	400 M.	FREE		1:24.39	KATALIN CSAPO	HUN	6:00.25	JAN PESAVENTO	USA
2:37.69	ESTER ISEPPI	SUI	5:04.50	SUSAN SKIFF	USA	1:24.82	JEAN TRACY	USA	6:12.39	KAREN BIERWERT	USA
2:40.00	KATHERINE BRANCH	USA	5:07.32	PATRICIA MATTSON	USA	1:25.15	GILLIAN CACKETT	GBR	6:12.78	JEAN TRACY	USA
2:41.28	CATHY NEVILLE	USA	5:09.66	GAYLE BENTY	USA	1:28.42	C. KINGSBEER	NZL	6:18.48	TERRY GAULT	USA
2:42.81	SUZANNE HEIM	NZL	5:12.50	SUSI CHANDLER	USA	1:28.47	SUSI CHANDLER	USA	6:27.00	HEATHER HENAGER	USA
2:43.97	L. LEHMANN	AUS	5:18.86	ANNE LABORWIT	USA	1:28.48	DEBBIE ATTRILL	NZL	*****		
2:45.74	ELAINE HOCHULI	USA	5:20.06	TERRY GAULT	USA	1:28.79	CYNTHIA HAZLEWOOD	USA	*****		
2:51.80	K. SMITH	AUS	5:22.01	DENISE EVERITT	USA	1:29.67	KATHLEEN HOWELL	USA	*****		
2:52.00	ANN CALLAHAN	USA	5:24.38	BERNIE POOLE	NZL	200 M.	BRST		*****		
2:52.70	JEANNE CROUSE	USA	5:25.40	JOANNE BOWSER	USA	2:50.93	LESLIE OSBORNE	USA	50 M.	FREE	
100 M.	I.M.		5:29.07	M. RAGLESS	AUS	2:53.00	CATHERINE KOHN	USA	29.09	MAGDOLNA PATCH	HUN
1:11.95	LISA BENNETT	USA	800 M.	FREE		3:02.05	KATALIN CSAPO	HUN	29.35	ROSARIO YORI	PER
1:12.41	DONNA NEARY	USA	10:13.97	LUANNE BEINKE	USA	3:04.02	JEAN TRACY	USA	29.58	SHARON WISE	USA
1:12.65	J. COSSTICK	AUS	10:19.79	LINDA BAMBER	USA	3:07.82	PATRICIA MATTSON	USA	29.61	SUSAN SHRIMPTON	GBR
1:12.78	MELINDA GREIG	USA	10:21.15	BARBARA FRECH	USA	3:13.94	SUSAN BLOOMFIELD	USA	29.74	BARBARA G DUNBAR	USA
1:13.67	PIA MARTENSSON	SWE	10:32.65	PATRICIA MATTSON	USA	3:14.67	DEBBIE ATTRILL	NZL	30.12	SUE HERRINGTON	USA
1:13.74	MAUREEN MORTELL	USA	10:33.29	SUSI CHANDLER	USA	3:21.97	C. KINGSBEER	NZL	30.40	SUE TENDY	USA
1:13.80	LORI SCOTT	USA	10:54.64	TERRY GAULT	USA	3:22.63	ELIN ZANDER	USA	30.73	DALE STRICKLAND	USA
1:14.56	VERITY DOBBIE	GBR	11:03.49	ROSE WILSON	USA	3:23.94	DARLENE DRUMM	USA	30.92	M. TOPPEL	AUS
1:14.75	L. LEHMANN	AUS	11:09.80	ANNE LABORWIT	USA	50 M.	FLY		30.97	BERNADETTE RAE	NZL
1:14.91	MORRI SPANG	USA	11:16.69	SUSAN BLOOMFIELD	USA	30.21	LAURA VAL	USA	100 M.	FREE	
200 M.	I.M.		11:23.69	LOUISE STACY	USA	31.26	BETH BRENNER	USA	1:04.92	SUSAN SHRIMPTON	GBR
2:32.75	HUDDIE MURRY	USA	1500 M.	FREE		31.85	JACKI HIRSTY	USA	1:05.17	ROSARIO YORI	PER
2:34.94	MELINDA SCHMITT	USA	20:18.19	SUSI CHANDLER	USA	31.86	SUSAN SKIFF	USA	1:05.84	MAGDOLNA PATCH	HUN
2:37.50	BONNIE L. DURDY	USA	21:10.43	BERNIE POOLE	NZL	32.34	ROSE WILSON	USA	1:06.35	BARBARA G DUNBAR	USA
2:37.98	LISA BENNETT	USA	21:49.97	ANNE LABORWIT	USA	32.48	LINDA BAMBER	USA	1:06.57	SHARON WISE	USA
2:39.50	MELINDA GREIG	USA	21:56.00	L. SHARPE	AUS	32.50	MARION MILNER	USA	1:08.36	CAROLYN BOAK	USA
2:41.00	LINDA WIBBELINK	NED	22:00.00	JENN. SANTILANO	USA	32.75	Z. BOYER	AUS	1:09.20	F. WILLIAMSON	USA
2:42.29	CATHY NEVILLE	USA	22:08.98	M. WILBY	AUS	32.87	KAY WILDING	GBR	1:09.33	SUE TENDY	USA
2:45.10	SYLVIA VAMSTELL	NED	22:34.01	LISA GODLEY	USA	32.90	SUSI CHANDLER	USA	1:10.13	BERNADETTE RAE	NZL
2:46.51	CAROL CORSBURG	USA	22:38.49	PAMELA FRIEL	USA	100 M.	FLY		1:10.66	C. SCHROEDER	USA
2:48.04	SUE PARDEW	USA	23:21.16	MARY BAKER	USA	1:08.00	LAURA VAL	USA	200 M.	FREE	
400 M.	I.M.		23:22.22	JANET BELLIS	USA	1:10.53	SUSAN SKIFF	USA	2:23.82	BARBARA G. DUNBAR	USA
5:21.01	BONNIE L. DURDY	USA	50 M.	BACK		1:12.42	ROSE WILSON	USA	2:26.94	ROSARIO YORI	PER
5:21.25	HUDDIE MURRY	USA	33.70	LAURA VAL	USA	1:12.87	LINDA BAMBER	USA	2:28.00	SUSAN SHRIMPTON	GBR
5:23.47	ESTER ISEPPI	SUI	34.38	GLENDIA BIDDLE	NZL	1:13.34	SUSI CHANDLER	USA	2:31.92	CAROLYN BOAK	USA
5:38.11	LISA BENNETT	USA	35.24	MARILYN AS FINK	USA	1:15.45	MARION MILNER	USA	2:33.00	MARCIA BARRY	USA
5:43.36	SUZANNE HEIM	NZL	35.31	ANNE CORK	GBR	1:16.90	JOAN WHEELER	GBR	2:35.25	JOAN DIERCKS	USA



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2:36.98	C. SCHROEDER	USA	42.01	SALLY HASBROOK	USA	5:55.15	STEPHANIE WALSH	USA	36.05	MARTA EGERVARY	HUN
2:37.83	ANN SVANSON	USA	100 M. BRST			6:21.85	G. CORLIS	AUS	36.50	C. MUNNS	AUS
2:37.91	SUE TENDY	USA	1:23.95	GINGER PIERSON	USA	6:24.79	JANET GETTLING	USA	37.29	BETTY BENNETT	USA
2:40.00	MIREILLE RICHTER	SUI	1:26.44	CAROLYN BOAK	USA	6:27.43	ISTUANNE HIKADE	HUN	39.53	JANET BROWN	GBR
400 M. FREE			1:28.20	SUSAN MAGNALL	GBR	6:27.85	ANN SVANSON	USA	39.76	BARBARA FRID	USA
4:55.78	BARBARA G DUNBAR	USA	1:28.24	JANET GETTLING	USA	6:28.41	BARBARA LARSEN	USA	40.18	JUDY REED	USA
5:21.79	JOAN DIERCKS	USA	1:28.47	MEEGAN WILSON	USA	6:33.26	KATHRINE CASEY	USA	40.43	MARY KLAUS-MARTIN	USA
5:25.30	MIREILLE RICHTER	SUI	1:30.22	KATHRINE CASEY	USA	6:33.79	CAROLYN KENT	USA	40.85	H. JONES	AUS
5:29.86	NANCY MILLER	USA	1:31.19	C. CHALMERS	AUS	6:36.80	NANCY MILLER	USA	41.10	EDNA VAHRMEIJER	NED
5:30.50	ANN SVANSON	USA	1:32.76	NANCY MILLER	USA				41.12	ANNE WILSON	NZL
5:34.73	SHARON WISE	USA	1:32.80	MIREILLE RICHTER	SUI	*****			100 M. BACK		
5:36.61	BERNADETTE RAE	NZL	1:32.85	J. ATTERBURY	AUS	*****			1:19.81	MARTA EGERVARY	HUN
5:44.77	VICKI BUCCINO	USA	200 M. BRST			*****			1:21.06	BETTY BENNETT	USA
5:45.44	KATHRINE CASEY	USA	3:04.59	GINGER PIERSON	USA	50 M. FREE			1:23.40	JUDITH BERKEL	NED
5:49.35	LIZ CALVERT	NZL	3:13.17	SUE HERRINGTON	USA	30.05	NANCY RIDOUT	USA	1:26.25	JANET BROWN	GBR
800 M. FREE			3:15.18	MEEGAN WILSON	USA	30.14	DIANA F. TODD	USA	1:27.75	JUDY REED	USA
10:12.09	BARBARA G DUNBAR	USA	3:18.22	KATHRINE CASEY	USA	30.86	JUDY REED	USA	1:29.93	BARBARA FRID	USA
11:02.21	JOAN DIERCKS	USA	3:19.08	C. CHALMERS	AUS	31.27	JUDY WILSON	GBR	1:30.23	MARY KLAUS-MARTIN	USA
11:02.42	MIREILLE RICHTER	SUI	3:20.70	SHIRLEY KING	USA	31.41	COLLEEN MALMEN	USA	1:30.34	JACKIE MARR	USA
11:16.08	ANN SVANSON	USA	3:21.21	JANET GETTLING	USA	31.98	IRENE DAVID	USA	1:31.61	CEIL BLACKWELL	USA
11:28.09	KATHRINE CASEY	USA	3:22.22	NANCY MILLER	USA	32.24	ARLENE PROEBSTING	USA	1:32.27	ANNE WILSON	NZL
11:35.84	NANCY MILLER	USA	3:25.43	CATHERINE BROOKS	USA	32.29	BARBARA HOELLEN	USA	200 M. BACK		
11:39.36	SUSAN WESTNEDGE	USA	3:28.52	E. FLEIG	AUS	32.46	C. FLEMING	AUS	2:56.06	BETTY BENNETT	USA
12:01.49	VICKI BUCCINO	USA	50 M. FLY			32.65	CATHY HYDE	NZL	2:58.52	MARTA EGERVARY	HUN
12:02.89	CATHY MANCINO	USA	32.11	BARBARA G DUNBAR	USA	100 M. FREE			3:00.04	C. MUNNS	AUS
12:04.83	CAROLYN KENT	USA	32.84	SHARON WISE	USA	1:07.90	NANCY RIDOUT	USA	3:04.58	E. FLEIG	AUS
1500 M. FREE			32.94	STEPHANIE WALSH	USA	1:08.28	DIANA F. TODD	USA	3:06.84	J. MURPHY-SHERMAN	USA
19:37.68	BARBARA G DUNBAR	USA	33.40	GLENDA ADAMS	GBR	1:09.18	COLLEEN MALMEN	USA	3:13.34	BARBARA FRID	USA
20:34.00	MIREILLE RICHTER	SUI	34.31	M. TOPPEL	AUS	1:10.19	JUDY WILSON	GBR	3:22.03	BETSY DURRANT	USA
21:26.11	KATHRINE CASEY	USA	34.33	SANDI ROUSSEAU	USA	1:12.29	JUDY REED	USA	3:22.88	C. NEWAY	AUS
21:29.19	ANN SVANSON	USA	34.47	SUE TENDY	USA	1:12.52	C. FLEMING	AUS	3:23.09	CEIL BLACKWELL	USA
22:38.05	VICKI BUCCINO	USA	35.21	C. SCHROEDER	USA	1:12.94	IRENE DAVID	USA	3:23.84	H. JONES	AUS
22:55.82	LIZ CALVERT	NZL	35.51	SUE HERRINGTON	USA	1:13.30	BETTY BENNETT	USA	50 M. BRST		
23:16.79	LYNN BROWNSTEIN	USA	35.67	PATRICE HIRR	USA	1:13.33	CATHY HYDE	NZL	39.21	ELAINE BROMWICH	GBR
24:10.49	BETSY VOLOSHEN	USA	100 M. FLY			1:13.60	JUDITH BERKEL	NED	39.60	BARBRO FLODSTROM	SWE
24:11.58	V. HOLMAN	AUS	1:10.56	BARBARA G DUNBAR	USA	200 M. FREE			40.14	DIANA F. TODD	USA
25:10.12	SANDRA CATHEY	USA	1:15.32	STEPHANIE WALSH	USA	2:32.44	NANCY RIDOUT	USA	40.40	EDNA VAHRMEIJER	NED
50 M. BACK			1:15.97	GLENDA ADAMS	GBR	2:33.78	DIANA F. TODD	USA	42.46	C. MUNNS	AUS
34.42	MAGDOLNA PATCH	HUN	1:18.96	JANET GETTLING	USA	2:36.09	COLLEEN MALMEN	USA	42.80	BARBARA FRID	USA
36.23	KATHLEEN PAVIER	GBR	1:20.69	SANDI ROUSSEAU	USA	2:39.24	BETTY BENNETT	USA	43.37	JUDY DECKER	USA
36.30	DALE STRICKLAND	USA	1:22.65	LUCY TRAPP	USA	2:40.01	JUDY REED	USA	43.40	BETTY BENNETT	USA
36.99	BARBARA G DUNBAR	USA	1:22.77	G. CORLIS	AUS	2:41.41	JUDY WILSON	GBR	43.47	J. MURPHY-SHERMAN	USA
37.72	M. TOPPEL	AUS	1:23.42	C. SCHROEDER	USA	2:41.71	JUDITH BERKEL	NED	44.10	BETSY DURRANT	USA
38.15	C. MUNNS	AUS	1:24.20	CAROLYN KENT	USA	2:41.91	BARBARA FRID	USA	100 M. BRST		
38.31	MARY POHLMANN	USA	1:24.71	CATHY MANCINO	USA	2:43.28	C. FLEMING	AUS	1:26.22	ELAINE BROMWICH	USA
38.60	B. KLANGENFELT	SWE	200 M. FLY			2:47.40	MARYPAT MALEY	USA	1:26.34	DIANE FORD	GBR
39.43	LINDA BUGNER	USA	2:32.19	BARBARA G DUNBAR	USA	400 M. FREE			1:27.30	EDNA VAHRMEIJER	NED
39.54	JEANNIE MITCHELL	USA	2:47.77	STEPHANIE WALSH	USA	5:35.72	BARBARA FRID	USA	1:28.17	BARBRO FLODSTROM	SWE
100 M. BACK			3:03.79	GINGER PIERSON	USA	5:38.17	CATHY HYDE	NZL	1:28.83	ERIKA BOLGER	USA
1:18.56	DALE STRICKLAND	USA	3:07.41	E. FLEIG	AUS	5:38.52	JUDITH BERKEL	NED	1:32.46	DOROTHY BURKE	USA
1:19.55	KATHLEEN PAVIER	GBR	3:09.91	CAROLYN KENT	USA	5:45.78	MARYPAT MALEY	USA	1:32.99	BARBARA FRID	USA
1:20.53	STEPHANIE WALSH	USA	3:12.65	SANDI ROUSSEAU	USA	5:57.60	MARY CHENG	USA	1:33.03	C. MUNNS	AUS
1:22.56	MARY POHLMANN	USA	3:13.08	BARBARA LARSEN	USA	5:58.49	C. CLARKE	AUS	1:33.47	J. MURPHY-SHERMAN	USA
1:25.04	BARBARA LARSEN	USA	3:15.78	CHRISTINE ZIMMET	USA	6:00.45	C. FLEMING	AUS	1:36.75	JUDY DECKER	USA
1:25.28	JEANNIE MITCHEL	USA	3:18.15	FRANCES SHEPARD	USA	6:09.32	A. HELANDER	SWE	200 M. BRST		
1:25.43	LINDA BUGNER	USA	3:18.91	MARY POHLMANN	USA	6:10.48	JUDY DECKER	USA	3:09.49	ELAINE BROMWICH	USA
1:26.28	E. FLEIG	AUS	100 M. I.M.			6:11.24	C. ELLIS	AUS	3:13.90	EDNA VAHRMEIJER	NED
1:26.56	RICHALIE CRANMER	USA	1:16.24	BARBARA G DUNBAR	USA	800 M. FREE			3:16.61	DOROTHY BURKE	USA
1:27.52	C. SCHROEDER	USA	1:16.68	GLENDA ADAMS	GBR	11:46.91	JUDITH BERKEL	NED	3:18.82	J. MURPHY-SHERMAN	USA
200 M. BACK			1:18.52	M. TOPPEL	AUS	12:00.39	MARYPAT MALEY	USA	3:22.86	PAM HINSTREET	USA
2:51.01	DALE STRICKLAND	USA	1:18.81	CAROLYN BOAK	USA	12:01.32	BETTY BENNETT	USA	3:28.41	MARY PAT MALEY	USA
3:00.35	MARY POHLMANN	USA	1:19.03	GINGER PIERSON	USA	12:09.88	C. FLEMING	AUS	3:29.07	JUDY DECKER	USA
3:00.48	BARBARA LARSEN	USA	1:20.13	JANET GETTLING	USA	12:35.13	MARY CHENG	USA	3:30.04	BETTY BENNETT	USA
3:08.79	JEANNIE MITCHEL	USA	1:20.29	ISTUANNE HIKADE	HUN	12:56.90	A. HELANDER	SWE	3:32.94	BETSY DURRANT	USA
3:08.80	LINDA BUGNER	USA	1:21.58	G. CORLIS	AUS	13:05.53	PAM HINSTREET	USA	3:43.01	ANNETTE FOWLER	NZL
3:09.32	SUSAN CASE	USA	1:21.94	SUE TENDY	USA	13:15.50	ROBERTA BOBERSKI	USA	50 M. FLY		
3:09.56	LUCY TRAPP	USA	1:23.30	MARGE RAMANAUSKAS	USA	13:47.20	SANDRA PIOPIPI	ITA	33.93	BARBARA HOELLEN	USA
3:10.13	MARCIA BARRY	USA	200 M. I.M.			13:52.89	SANDY ETNYRE	USA	33.99	NANCY RIDOUT	USA
3:12.55	A. GIBBONS	AUS	2:45.48	BARBARA G. DUNBAR	USA	1500 M. FREE			34.27	JUDY WILSON	GBR
3:15.06	HEATHER HAUGLAND	USA	2:49.07	STEPHANIE WALSH	USA	22:54.61	C. FLEMING	AUS	34.35	DIANA F. TODD	USA
50 M. BRST			2:57.29	SUE HERRINGTON	USA	22:59.40	MARY PAT MALEY	USA	34.47	IRENE DAVID	USA
38.53	GINGER PIERSON	USA	2:58.54	GINGER PIERSON	USA	24:16.03	BETTY BENNETT	USA	34.86	CATHY HYDE	NZL
40.09	JANET GETTLING	USA	2:59.54	KATHRINE CASEY	USA	24:31.70	A. HELANDER	SWE	35.09	JUDY REED	USA
40.45	MEEGAN WILSON	USA	2:59.61	JANET GETTLING	USA	24:55.43	ROBERTA BOBERSKI	USA	35.53	BARBARA FRID	USA
40.61	KATHRINE CASEY	USA	3:00.53	MARGE RAMANAUSKAS	USA	26:16.60	BENTLEY MARANE	USA	36.48	BETTY BENNETT	USA
40.62	BERNICE WILKINS	GBR	3:01.67	LUCY TRAPP	USA	26:45.94	CHARLOTTE COWAN	USA	36.96	B. LUSCOMBE	AUS
40.86	M. TOPPEL	AUS	3:02.60	F. WILLIAMSON	USA	26:48.37	J. FORD	AUS	100 M. FLY		
41.04	BARBARA G DUNBAR	USA	3:03.83	SUE TENDY	USA	26:52.93	MILDRED WOLTERS	USA	1:18.79	NANCY RIDOUT	USA
41.46	NANCY MILLER	USA	400 M. I.M.			27:26.00	MARY PUDIM	USA	1:18.93	DIANA F. TODD	USA
41.79	J. ATTERBURY	AUS	5:46.82	BARBARA G DUNBAR	USA	50 M. BACK			1:20.87	JUDY WILSON	GBR



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1989

1:21.13	BARBARA HOELLEN	USA	2:52.08	LINDSAY LANT	GBR	44.94	JOAN JETER	USA	3:36.01	DOT WERRY	USA
1:21.14	CATHY HYDE	NZL	2:52.62	BETSY T. JORDAN	USA	45.37	R. HENZE	AUS	3:38.19	INGRID STINE	USA
1:23.63	IRENE DAVID	USA	2:55.11	SATO HISAKO	JPN	45.61	BEVERLY MYERS	USA	400 M. I.M.		
1:25.07	E. FLEIG	AUS	2:55.30	JANET LAMOTT	USA	46.65	G. HARDY	AUS	6:39.01	JUTTA SEIDL	FRG
1:27.26	B. LUSCOMBE	AUS	2:55.35	SUE SMITH	NZL	47.30	RENATA MARTING	ITA	6:42.47	SPERRY RADEMAKER	USA
1:29.12	ELAINE BROMWICH	USA	2:56.23	CHARLOTTE JENKINS	USA	100 M. BRST			6:54.55	BETSY JORDAN	USA
1:30.40	BETTY BENNETT	USA	2:57.72	SUSAN RITTENHOUSE	USA	1:28.51	JOANN LEILICH	USA	6:57.84	JAYNE LAMBKE	USA
200 M. FLY			2:58.90	RITA ANDROSONI	ITA	1:31.13	LINDSAY LANT	GBR	7:02.90	BARBARA ZAREMSKI	USA
3:14.99	IRENE DAVID	USA	400 M. FREE			1:35.92	CYNTHIA ANDRADE	BRA	7:03.74	SUSAN BLAKE	USA
3:20.97	CATHY HYDE	NZL	5:53.75	JAYNE LAMBKE	USA	1:36.10	MARGIT JEBE	USA	7:05.09	ANNE MCGUIRE	USA
3:22.00	BETTY BENNETT	USA	5:53.86	JUTTA SEIDL	FRG	1:37.31	ANNE MCGUIRE	USA	7:15.15	SUSAN RITTENHOUSE	USA
3:37.19	MARY PAT MALEY	USA	5:54.50	SUSAN BLAKE	USA	1:38.40	R. HENZE	AUS	7:37.84	INGRID STINE	USA
3:51.91	C. FLEMING	AUS	6:00.74	JANET LAMOTT	USA	1:40.10	BEVERLY MYERS	USA	7:53.65	DORIS KLITZKE	USA
3:53.31	ROBERTA BOBERSKI	USA	6:04.20	JOAN JETER	USA	1:40.99	JOAN JETER	USA			
3:53.32	MARYLOU SCHULZ	USA	6:08.87	BETSY T. JORDAN	USA	1:42.26	ALICE JONES	USA	*****		
3:56.48	V. HEAD	AUS	6:09.99	CHARLOTTE JENKINS	USA	1:42.90	RENATA MARTING	ITA	*****		
4:00.62	J. FORD	AUS	6:12.11	SUSAN RITTENHOUSE	USA	200 M. BRST			*****		
4:10.71	JEANNETT OLSON	USA	6:13.43	SATO HISAKO	JPN	3:11.20	JOANN LEILICH	USA	50 M. FREE		
100 M. I.M.			6:16.42	SUE SMITH	NZL	3:24.32	MARGIT JEBE	USA	31.83	JAYNE BRUNER	USA
1:18.73	DIANA F. TODD	USA	800 M. FREE			3:31.04	CYNTHIA ANDRADE	BRA	33.18	JANE ASHER	GBR
1:19.10	NANCY RIDOUT	USA	12:35.75	BETSY T. JORDAN	USA	3:37.42	MARGIE HEINEMAN	USA	34.25	RONNIE KAMPHAUSEN	USA
1:20.50	BETTY BENNETT	USA	12:38.71	SUSAN RITTENHOUSE	USA	3:40.99	G. HARDY	AUS	35.33	DIANE REED	USA
1:20.54	COLLEEN MALMEN	USA	12:49.92	CHARLOTTE JENKINS	USA	3:41.20	BARBARA ZAREMSKI	USA	35.71	ANN KAY	USA
1:23.01	ELAINE BROMWICH	GBR	13:17.09	MARGIE HEINEMAN	USA	3:41.92	ALICE JONES	USA	36.14	LAVERNE ADAMS	USA
1:23.45	C. MUNNS	AUS	13:18.38	BARBARA ZAREMSKI	USA	3:43.81	LODI GOUBITZ	NZL	36.24	M. MCQUADE	AUS
1:23.51	CATHY HYDE	NZL	13:26.04	JUDY PARRETT	CAN	3:47.77	INGRID STINE	USA	36.71	DENA MANN	USA
1:25.01	E. FLEIG	AUS	13:38.09	SYLVIA GLENN	USA	3:49.66	URSULA HARRIS	USA	37.56	LIDA GASCHKE	USA
1:25.28	BARBARA HOELLEN	USA	13:44.50	J. JAMES	AUS	50 M. FLY			37.72	JACQUELINE DUNLOP	USA
1:28.10	JUDY DECKER	USA	13:56.50	RENATA MARTING	ITA	36.43	JAYNE LAMBKE	USA	100 M. FREE		
200 M. I.M.			14:05.89	LODI GOUBITZ	NZL	36.94	JUTTA SEIDL	FRG	1:11.63	JAYNE BRUNER	USA
2:56.00	BETTY BENNETT	USA	1500 M. FREE			37.65	SATO HISAKO	JPN	1:15.03	JANE ASHER	GBR
2:57.87	MARIA EGERVARY	HUN	23:20.21	JAYNE LAMBKE	USA	38.29	SPERRY RADEMAKER	USA	1:15.75	ROXANNE MOTTER	USA
2:59.50	JUDITH BERKEL	NED	24:28.13	BETSY JORDAN	USA	39.01	DORIS KLITZKE	USA	1:16.41	RONNIE KAMPHAUSEN	USA
3:02.90	CATHY HYDE	NZL	25:52.09	SYLVIA J. GLENN	USA	39.11	BETSY JORDAN	USA	1:19.30	DIANE REED	USA
3:03.28	ELAINE BROMWICH	USA	26:17.18	J. JAMES	AUS	39.14	LUCILLE GRIFFIN	USA	1:19.66	ANN KAY	USA
3:06.54	J. MURPHY-SHERMAN	USA	26:39.71	B. WILSON	AUS	39.17	LINDSAY LANT	GBR	1:19.97	DENA MANN	USA
3:14.28	IRENE DAVID	USA	26:44.87	LODI GOUBITZ	NZL	39.50	SUSAN RITTENHOUSE	USA	1:21.22	LIDA GASCHKE	USA
3:14.31	JUDY DECKER	USA	27:12.64	BARBARA G. GORDON	USA	39.50	CHARLOTTE JENKINS	USA	1:25.61	MARIANNE GRANE	SWE
3:17.41	SANDRA BUCKINGHAM	USA	27:19.50	LUIS E EASTON	USA	100 M. FLY			1:25.83	JUDITH CHADIMA	USA
3:19.58	MARY PAT MALEY	USA	28:03.86	INGRID STINE	USA	1:22.64	JAYNE LAMBKE	USA	200 M. FREE		
400 M. I.M.			28:25.62	PATRICIA ARNOLD	USA	1:24.29	SPERRY RADEMAKER	USA	2:40.27	LAVELLE STOINOFF	USA
6:25.42	BETTY BENNETT	USA	50 M. BACK			1:25.40	JUTTA SEIDL	FRG	2:44.91	JANE ASHER	GBR
6:32.59	J. MURPHY-SHERMAN	USA	38.19	BETSY JORDAN	USA	1:27.53	LUCILLE GRIFFIN	USA	2:45.18	RONNIE KAMPHAUSEN	USA
6:38.72	DOROTHY BURKE	USA	39.60	SYLVIA BRAMHAM	GBR	1:28.08	LINDSAY LANT	GBR	2:55.93	DIANE REED	USA
6:39.25	CATHY HYDE	NZL	40.90	A. KINNAIRD	AUS	1:30.23	BETSY T. JORDAN	USA	2:56.60	DENA MANN	USA
6:55.41	MARYPAT MALEY	USA	41.00	ANGELA KONIG	USA	1:31.31	JAYNE BRUNER	USA	2:57.14	ANN KAY	USA
7:18.32	LIN JENKINS	USA	41.68	DORIS KLITZKE	USA	1:36.16	ANNE MCGUIRE	USA	3:00.29	GAIL ROPER	USA
7:20.49	PAM HINNSTREET	USA	41.77	BEVERLY MYERS	USA	1:36.73	SUSAN RITTENHOUSE	USA	3:06.54	FUJIMOTO KEIKO	JPN
7:25.05	ROBERTA BOBERSKI	USA	41.81	SUSAN BLAKE	USA	1:37.70	JEANNE LITTLE	USA	3:07.52	LIDA GASCHKE	USA
7:31.53	SANDY ETNYRE	USA	42.26	SATO HISAKO	JPN	200 M. FLY			3:08.56	ADRIENNE PIPES	USA
7:32.13	MARYLOU SCHULZ	USA	42.49	M. DE VRIES	AUS	3:11.83	SPERRY RADEMAKER	USA	400 M. FREE		
*****			43.20	RITA ANDROSONI	ITA	3:18.03	JUTTA SEIDL	FRG	5:34.32	LAVELLE STOINOFF	USA
*****			100 M. BACK			3:22.72	JAYNE LAMBKE	USA	5:52.66	RONNIE KAMPHAUSEN	USA
*****			1:25.52	BETSY JORDAN	USA	3:29.84	LUCILLE GRIFFIN	USA	6:22.50	DIANE REED	USA
*****			1:26.91	ANGELA KONIG	USA	3:31.78	SUSAN BLAKE	USA	6:43.50	FUJIMOTO KEIKO	JPN
50 M. FREE			1:27.58	SYLVIA BRAMHAM	GBR	3:35.73	SUSAN RITTENHOUSE	USA	6:48.92	ANN PISCIOTTA	USA
32.30	JAYNE BRUNER	USA	1:28.44	LUCILLE GRIFFIN	USA	3:55.73	JEANNE LITTLE	USA	6:50.18	ADRIENNE S. PIPES	USA
32.78	LUCILLE GRIFFIN	USA	1:32.16	A. KINNAIRD	AUS	3:57.42	INGRID STINE	USA	6:54.33	S. MALCOLM	AUS
32.83	JAYNE LAMBKE	USA	1:32.30	BEVERLY MYERS	USA	3:58.05	BARBARA ZAREMSKI	USA	6:55.22	JUDITH CHADIMA	USA
33.39	ANGELA KONIG	USA	1:32.84	P. HUTCHINGS	AUS	4:07.39	S. MCFARLAND	AUS	6:57.15	MARIANNE GRANE	SWE
33.45	BARBARA ZAREMSKI	USA	1:35.70	JAN CLEMENTS	NZL	100 M. I.M.			7:01.22	MARY ANN STONE	USA
33.62	JOAN JETER	USA	1:37.29	JUDY PARRETT	CAN	1:24.62	JOANN LEILICH	USA	800 M. FREE		
33.94	SPERRY RADEMAKER	USA	1:39.30	EDITH MARKIE	NZL	1:24.91	JAYNE LAMBKE	USA	12:00.56	RONI KAMPHAUSEN	USA
34.20	LOTTIE GEURTS	NED	200 M. BACK			1:25.69	JAYNE BRUNER	USA	12:22.81	ROXANNE MOTTER	USA
34.45	SYLVIA BRAMHAM	GBR	3:04.92	BETSY JORDAN	USA	1:28.44	LINDSAY LANT	GBR	13:12.79	ANN KAY	USA
34.84	DORIS KLITZKE	USA	3:10.19	ANGELA KONIG	USA	1:28.95	BETSY JORDAN	USA	13:34.24	ADRIENNE PIPES	USA
100 M. FREE			3:12.32	SUSAN BLAKE	USA	1:29.78	CHARLOTTE JENKINS	USA	13:41.95	MALCHIA S. OLSHAN	USA
1:12.67	JAYNE LAMBKE	USA	3:17.07	SPERRY RADEMAKER	USA	1:30.66	DORIS KLITZKE	USA	13:49.12	ANN PISCIOTTA	USA
1:13.69	LUCILLE GRIFFIN	USA	3:17.67	LUCILLE GRIFFIN	USA	1:31.08	BEVERLY MYERS	USA	14:29.07	M. DE VRIES	AUS
1:14.70	LOTTIE GEURTS	NED	3:21.41	P. HUTCHINGS	AUS	1:31.32	BARBARA ZAREMSKI	USA	14:50.19	P. B'ROODSPOT	AUS
1:15.57	ANGELA KONIG	USA	3:23.12	A. KINNAIRD	AUS	1:33.00	MARGIE HEINEMAN	USA	15:00.34	V. GREEN	AUS
1:15.83	JAYNE BRUNER	USA	3:26.13	JUDY PARRETT	CAN	200 M. I.M.			15:13.76	S. MALCOLM	AUS
1:16.58	JOAN JETER	USA	3:27.60	LOTTIE GEURTS	NED	3:10.31	JOANN LEILICH	USA	1500 M. FREE		
1:18.42	BARBARA ZAREMSKI	USA	3:28.95	SUSAN RITTENHOUSE	USA	3:10.57	BETSY T. JORDAN	USA	21:35.84	LAVELLE STOINOFF	USA
1:19.24	LINDSAY LANT	GBR	50 M. BRST			3:17.89	CHARLOTTE JENKINS	USA	27:01.67	ADRIENNE S. PIPES	USA
1:19.80	RITA ANDROSONI	ITA	40.64	JOANN LEILICH	USA	3:18.25	JAYNE BRUNER	USA	27:12.41	P. B'ROODSPOT	AUS
1:19.92	SUE SMITH	NZL	42.64	LINDSAY LANT	GBR	3:21.77	BARBARA ZAREMSKI	USA	28:46.00	V. GREEN	AUS
200 M. FREE			43.78	CYNTHIA ANDRADE	BRA	3:22.80	DORIS KLITZKE	USA	29:05.03	S. MALCOLM	AUS
2:41.08	JAYNE LAMBKE	USA	44.24	MARGIT JEBE	USA	3:24.38	MARGIE HEINEMAN	USA	30:58.29	D. DICKEY	AUS
2:44.68	ANGELA KONIG	USA	44.89	ANNE MCGUIRE	USA	3:28.39	MARGIT JEBE	USA	31:05.17	J. SIMMONS	AUS



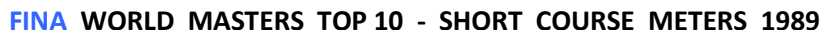
FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1989

31:18.97	BARB NELSON	USA	100 M. FLY	2:50.94	CLARA WALKER	USA	47.87	ALICIA COLEMAN	USA
31:47.89	MARILYN SISCO	USA	1:30.53 JAYNE BRUNER	USA	2:56.21 ANNE ADAMS	USA	50.43	JOAN MONAHAN	NZL
31:56.12	MARGARET MCCLURE	NZL	1:35.53 ANNE MCGUIRE	USA	2:57.60 BETTY RUSS	USA	50.52	E. WALLIS	AUS
50	M. BACK		1:35.81 ROXANNE MOTTER	USA	3:01.13 JEAN TROY	USA	50.58	ANNE B. ADAMS	USA
41.25	JANE ASHER	GBR	1:36.19 JANE ASHER	GBR	3:03.25 M. CUNNINGHAM	AUS	50.74	JUNE KRAUSER	USA
42.10	RONI KAMPHAUSEN	USA	1:41.59 BARBARA CALLISON	USA	3:05.71 JUNE KRAUSER	USA	50.90	MICKEY SHOCKLEY	USA
42.18	M. MCQUADE	AUS	1:42.14 LAVERNE ADAMS	USA	3:05.98 PETEY SMITH	USA	51.61	BERNIECE GREETHAM	USA
42.29	ROXANNE MOTTER	USA	1:46.05 ADRIENNE PIPES	USA	3:12.61 CYNTHIA BRUCE	USA	100 M. BRST		
42.72	LAVERNE ADAMS	USA	1:47.32 V. GREEN	AUS	3:21.84 ROBERTA TURCOTTE	USA	1:39.86	CLARA WALKER	USA
42.87	ANN KAY	USA	1:48.24 ANN PISCIOтта	USA	3:31.58 JOAN MCINTYRE	USA	1:40.31	CAROL TAYLOR	USA
42.91	M. DE VRIES	AUS	1:53.38 JOAN ALEXANDER	USA	400 M. FREE		1:43.43	GAIL ROPER	USA
43.13	ANTOINETTE RODAHL	NZL	200 M. FLY		6:04.32 CLARA WALKER	USA	1:47.43	M. CUNNINGHAM	AUS
45.00	ANNIE DE VOS	NED	3:33.41 ANNE MCGUIRE	USA	6:10.38 BETTY RUSS	USA	1:49.15	ALICIA COLEMAN	USA
45.78	JUDITH CHADIMA	USA	3:48.83 ANN PISCIOтта	USA	6:12.45 ANNE ADAMS	USA	1:49.99	JUNE KRAUSER	USA
100	M. BACK		4:01.36 V. GREEN	AUS	6:28.29 JUNE KRAUSER	USA	1:50.99	MICKEY SHOCKLEY	USA
1:31.50	LAVERNE ADAMS	USA	4:02.70 LILLY KRON	USA	6:51.18 M. CUNNINGHAM	AUS	1:53.48	JOAN MONAHAN	NZL
1:31.87	LAVELLE STOINOFF	USA	4:12.13 MALCHIA S. OLSHAN	USA	6:53.55 EDIE GRUENDER	USA	1:54.04	MARIANNA HAGAN	USA
1:31.88	JANE ASHER	GBR	4:13.90 ADRIENNE PIPES	USA	7:01.69 JOAN MCINTYRE	USA	1:55.24	BARBARA OWENS	USA
1:32.24	ANN KAY	USA	4:27.89 DONNA EDELBAUM	USA	7:07.24 ROBERTA TURCOTTE	USA	200 M. BRST		
1:34.65	ROXANNE MOTTER	USA	4:30.73 T. BRYAN	AUS	7:18.93 PARKIE COPELAND	USA	3:48.66	M. CUNNINGHAM	AUS
1:37.53	RONNIE KAMPHAUSEN	USA	100 M. I.M.		7:28.63 BARBARA OWENS	USA	3:52.86	JUNE KRAUSER	USA
1:37.73	DENA MANN	USA	1:24.19 JAYNE BRUNER	USA	800 M. FREE		3:58.43	ALICIA COLEMAN	USA
1:38.40	ANNIE DE VOS	NED	1:28.39 JANE ASHER	GBR	12:48.37 BETTY RUSS	USA	3:58.54	MICKEY SHOCKLEY	USA
1:39.13	MARIANNE GRANE	SWE	1:32.97 RONI KAMPHAUSEN	USA	13:11.31 JUNE KRAUSER	USA	4:05.80	JOAN MONAHAN	NZL
1:40.43	JUDITH CHADIMA	USA	1:36.59 ANN KAY	USA	13:49.67 M. CUNNINGHAM	AUS	4:08.94	C. DE GROOT	AUS
200	M. BACK		1:37.37 ANNE MCGUIRE	USA	14:40.34 JOAN MONAHAN	NZL	4:10.19	MARIANNA HAGAN	USA
3:11.13	LAVELLE STOINOFF	USA	1:38.30 BARBARA CALLISON	USA	14:51.34 JOAN MCINTYRE	USA	4:13.12	BETTY RUSS	USA
3:19.26	LAVERNE ADAMS	USA	1:39.72 LIDA GASCHKE	USA	14:54.95 ROBERTA TURCOTTE	USA	4:14.45	BARBARA OWENS	USA
3:20.18	ANN KAY	USA	1:40.27 ADRIENNE S. PIPES	USA	15:26.84 BARBARA OWENS	USA	4:20.77	N. KEMPTON	AUS
3:24.81	RONNIE KAMPHAUSEN	USA	1:40.77 JACQUELINE DUNLOP	USA	16:05.66 CAROL KNEPP	USA	50 M. FLY		
3:33.40	ANNIE DE VOS	NED	1:42.73 V. GREEN	AUS	16:17.73 ELLEEN SCHAPPEL	USA	39.64	ANNE ADAMS	USA
3:36.12	M. DE VRIES	AUS	200 M. I.M.		17:39.66 A. BARRINGTON	AUS	41.14	GAIL ROPER	USA
3:40.07	MARIA YUNGEL	USA	3:13.18 JAYNE BRUNER	USA	1500 M. FREE		43.24	M. CUNNINGHAM	AUS
3:46.81	SUZANNE ROBBINS	USA	3:17.83 ROXANNE MOTTER	USA	24:56.54 JUNE KRAUSER	USA	43.73	EDIE GRUENDER	USA
3:48.45	PRISCILLA LOGAN	NZL	3:28.54 ANNE MCGUIRE	USA	25:35.51 PETEY SMITH	USA	43.84	JUNE KRAUSER	USA
3:49.84	JUDITH CHADIMA	USA	3:31.91 ANN KAY	USA	26:09.74 BETTY RUSS	USA	46.39	JEAN TROY	USA
50	M. BRST		3:32.61 BARBARA CALLISON	USA	26:53.01 M. CUNNINGHAM	AUS	47.62	NANCY K. MACBETH	USA
42.05	JAYNE BRUNER	USA	3:34.68 ANN PISCIOтта	USA	27:14.04 BERNIECE GREETHAM	USA	47.87	SHIRLEY SCOTT	USA
43.51	ANNE MCGUIRE	USA	3:38.09 ADRIENNE PIPES	USA	27:35.78 JOAN MONAHAN	NZL	49.10	MICKEY SHOCKLEY	USA
43.86	ANTOINETTE RODAHL	NZL	3:40.49 ANNIE DE VOS	NED	28:04.34 ROBERTA TURCOTTE	USA	49.42	DELLA SEHORN	USA
45.93	JANE ASHER	GBR	3:42.38 V. GREEN	AUS	29:34.06 BARBARA OWENS	USA	100 M. FLY		
48.76	LILLY KRON	USA	3:46.37 B. BROOKS	AUS	35:14.92 A. JARVIS	AUS	1:38.14	JUNE KRAUSER	USA
48.84	ROXANNE MOTTER	USA	400 M. I.M.		35:33.37 H. AGOSTINI	AUS	1:38.24	ANNE B. ADAMS	USA
49.18	ADRIENNE PIPES	USA	7:05.88 ANNE MCGUIRE	USA	50 M. BACK		1:43.45	EDIE GRUENDER	USA
49.57	MARY ANN STONE	USA	7:14.21 ROXANNE MOTTER	USA	39.60 CLARA WALKER	USA	1:46.22	NANCY K. MACBETH	USA
49.92	JACQUELINE DUNLOP	USA	7:35.60 ANN PISCIOтта	USA	42.95 CYNTHIA BRUCE	USA	1:47.81	JEAN TROY	USA
50.97	JEANETTE BARKER	NZL	8:05.36 MALCHIA S. OLSHAN	USA	43.30 KERSTIN GJORES	SWE	1:49.42	BETTY RUSS	USA
100	M. BRST		8:06.02 ADRIENNE S. PIPES	USA	46.10 OLIVE HALE	GBR	1:52.56	M. CUNNINGHAM	AUS
1:30.86	JAYNE BRUNER	USA	8:06.24 V. GREEN	AUS	46.53 M. CUNNINGHAM	AUS	1:54.56	MARIANNA HAGAN	USA
1:35.75	ANNE MCGUIRE	USA	8:18.01 PRISCILLA LOGAN	NZL	46.58 E. WALLIS	AUS	1:55.70	LOIS NOCHMAN	USA
1:37.57	ANTOINETTE RODAHL	NZL	8:50.45 CAROLYN BALDWIN	USA	46.79 NANCY K. MACBETH	USA	1:58.84	BARBARA OWENS	USA
1:40.65	JANE ASHER	GBR	8:54.21 P. B'BROODSPOT	AUS	48.79 JOAN MONAHAN	NZL	200 M. FLY		
1:40.82	ANN PISCIOтта	USA	9:39.56 D.DICKEY	AUS	49.25 JOAN MCINTYRE	USA	3:35.30	JUNE KRAUSER	USA
1:44.09	LILLY KRON	USA			49.43 LOIS NOCHMAN	USA	3:37.75	BETTY RUSS	USA
1:45.79	LIDA GASCHKE	USA	*****		100 M. BACK		3:39.15	ANNE B. ADAMS	USA
1:46.18	N. JOEL	AUS	*****		1:29.13 CLARA WALKER	USA	4:05.82	EDIE GRUENDER	USA
1:50.50	MARY ANN STONE	USA	*****		1:37.72 KERSTIN GJORES	SWE	4:08.68	MARIANNA HAGAN	USA
1:50.64	JEANETTE BARKER	NZL	50 M. FREE		1:39.61 OLIVE HALE	GBR	4:10.66	LOIS NOCHMAN	USA
200	M. BRST		34.75 M. CUNNINGHAM	AUS	1:39.74 CYNTHIA BRUCE	USA	4:39.13	JOAN GLARATON	USA
3:32.58	ANNE MCGUIRE	USA	35.33 ANNE ADAMS	USA	1:41.35 NANCY K. MACBETH	USA	5:35.97	CAROL KNEPP	USA
3:36.33	ANN PISCIOтта	USA	36.10 KERSTIN GJORES	SWE	1:43.40 DELLA SEHORN	USA	100 M. I.M.		
3:39.09	LILLY KRON	USA	36.26 CLARA WALKER	USA	1:44.28 JUNE KRAUSER	USA	1:27.50	CLARA WALKER	USA
3:50.28	M. DE VRIES	AUS	36.55 PETEY SMITH	USA	1:45.17 JOAN MCINTYRE	USA	1:31.45	ANNE ADAMS	USA
4:00.02	MARY ANN STONE	USA	36.77 ANNE B. ADAMS	USA	1:46.58 JOAN MONAHAN	NZL	1:33.86	M. CUNNINGHAM	AUS
4:02.65	BARBARA CALLISON	USA	37.08 JEAN TROY	USA	1:47.44 E. WALLIS	AUS	1:37.65	NANCY K. MACBETH	USA
4:05.22	V. GREEN	AUS	38.18 BETTY RUSS	USA	200 M. BACK		1:37.81	JUNE KRAUSER	USA
4:08.91	B. BROOKS	AUS	38.24 E. WALLIS	AUS	3:17.45 CLARA WALKER	USA	1:39.48	JEAN TROY	USA
4:10.35	N. ROSE	AUS	38.67 JEAN SCHNORBUS	USA	3:33.02 NANCY K. MACBETH	USA	1:39.73	BETTY RUSS	USA
4:10.75	ADRIENNE S. PIPES	USA	100 M. FREE		3:39.80 BERNIECE GREETHAM	USA	1:40.14	DELLA SEHORN	USA
50	M. FLY		1:17.99 CLARA WALKER	USA	3:42.17 JUNE KRAUSER	USA	1:41.16	E. WALLIS	AUS
38.44	JANE ASHER	GBR	1:18.91 M. CUNNINGHAM	AUS	3:42.64 JOAN MCINTYRE	USA	1:49.46	ROBERTA TURCOTTE	USA
38.74	ROXANNE MOTTER	USA	1:18.92 B. ROSE	AUS	3:43.46 DELLA SEHORN	USA	200 M. I.M.		
40.41	ANN KAY	USA	1:19.68 ANNE ADAMS	USA	3:50.96 M. CUNNINGHAM	AUS	3:27.33	ANNE B. ADAMS	USA
41.00	RONI KAMPHAUSEN	USA	1:22.67 E. WALLIS	AUS	3:52.78 BETTY RUSS	USA	3:32.23	JUNE KRAUSER	USA
41.34	LAVERNE ADAMS	USA	1:24.00 CYNTHIA BRUCE	USA	3:54.22 ROBERTA TURCOTTE	USA	3:33.30	NANCY K. MACBETH	USA
42.31	BARBARA CALLISON	USA	1:26.80 JUNE KRAUSER	USA	3:55.37 BARBARA OWENS	USA	3:38.04	DELLA SEHORN	USA
43.17	ADRIENNE PIPES	USA	1:26.95 KERSTIN GJORES	SWE	50 M. BRST		3:40.31	BETTY RUSS	USA
43.39	M. MCQUADE	AUS	1:27.59 BETTY RUSS	USA	45.39 CAROL TAYLOR	USA	3:48.65	E. WALLIS	AUS
43.49	ANNE MCGUIRE	USA	1:28.01 JEAN SCHNORBUS	USA	45.86 CLARA WALKER	USA	3:49.46	ALICIA COLEMAN	USA
44.21	P. BERGE	AUS	200 M. FREE		46.82 M. CUNNINGHAM	AUS	3:56.06	MICKEY SHOCKLEY	USA



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3:57.17	PETETY SMITH	USA	35:53.72	MARION CHADWICK	USA	100 M. FLY	3:46.15	Y.FRISCHHERTZ	USA		
3:57.29	ROBERTA TURCOTTE	USA	39:54.13	P. RAW	AUS	1:56.80	C.COSTELLO	USA	3:52.11	AUDREY ETIENNE	USA
400 M. I.M.			49:53.00	S. BYRON	AUS	2:05.86	M. DUTTON	AUS	4:01.20	GERTRUD ZINT	USA
7:12.48	JUNE KRAUSER	USA	50 M. BACK			2:09.96	SUE MCGAUGHEY	USA	4:05.41	WILLY VAN RYSEL	GBR
7:28.03	ANNE B. ADAMS	USA	40.48	DORIS STEADMAN	USA	2:12.44	JUNE REYNOLDS	USA	4:06.61	MARY JANE REEVES	USA
7:34.96	BETTY RUSS	USA	45.78	BETTY CHRISTIAN	USA	2:14.29	JAE HOWELL	USA	4:09.11	ANNE WALKER	USA
7:38.45	NANCY K. MACBETH	USA	47.12	BETTY CONDON	GBR	2:16.29	ZADA TAFT	USA	4:09.41	L. JOHNSON	AUS
7:51.65	M. CUNNINGHAM	AUS	47.32	JEANNE MERRYMAN	USA	2:16.79	GRACE ALTUS	USA	4:12.03	JEAN DURSTON	USA
7:55.03	EDIE GRUENDER	USA	47.62	OLGA JOHNSON	NZL	2:17.01	HELEN HUMMER	USA	400 M. FREE		
8:14.19	BARBARA OWENS	USA	47.82	MARGERY MEYER	USA	2:19.14	MARGARET EVANS	GBR	7:17.84	RITA SIMONTON	USA
8:36.35	MARIANNA HAGAN	USA	48.26	B. STERN	AUS	2:27.98	E. PRICE	AUS	7:42.91	LOUISE DONOVAN	USA
8:43.19	JOAN MCINTYRE	USA	48.66	BUNNY CEDERLUND	USA	200 M. FLY			8:02.51	Y.FRISCHHERTZ	USA
9:12.18	MARGARET WELLS	USA	50.16	NANCY PHILLIPS	USA	4:11.83	NAN SUNCKELL	NZL	8:09.60	AUDREY ETIENNE	USA
			50.48	B. CALLAGHAN	AUS	4:42.44	JUNE REYNOLDS	USA	8:13.22	MARIA LENK	GBR
*****			100 M. BACK			5:07.45	E. PRICE	AUS	8:30.38	MARY JANE REEVES	USA
*****			*****			5:11.42	HELEN HUMMER	USA	8:38.22	GERTRUD ZINT	USA
*****			*****			5:25.36	B. STERN	AUS	8:39.43	IVY BROWNE	USA
*****			*****			6:36.99	ELFIE STEVENIN	USA	9:06.68	P. RAE	AUS
*****			*****			6:39.06	MARJORIE NEWMAN	USA	9:30.37	MARIE KREIPE	USA
*****			*****			100 M. I.M.			800 M. FREE		
*****			*****			1:46.50	MARGARET EVANS	GBR	15:06.99	RITA SIMONTON	USA
*****			*****			1:47.37	DOROTHY DONNELLY	USA	15:49.41	AUDREY ETIENNE	USA
*****			*****			1:50.04	PETEY SMITH	USA	16:26.74	ZADA TAFT	USA
*****			*****			1:50.58	M. DUTTON	AUS	16:54.13	Y.FRISCHHERTZ	USA
*****			*****			1:54.07	NANCY PHILLIPS	USA	17:41.30	GERTRUD ZINT	USA
*****			*****			1:56.83	DIANA SILVA	USA	17:45.23	IVY BROWNE	USA
*****			*****			1:58.10	OLGA JOHNSON	NZL	18:17.45	P. RAE	AUS
*****			*****			1:58.84	B. STERN	AUS	18:41.30	HELEN ROUMASSET	USA
*****			*****			1:59.14	GRACE ALTUS	USA	19:29.32	MARIE KREIPE	USA
*****			*****			1:59.35	RUTH MANFREDI	USA	19:44.00	M. GARTON	AUS
*****			*****			200 M. I.M.			1500 M. FREE		
*****			*****			3:54.93	DOROTHY DONNELLY	USA	28:49.17	RITA SIMONTON	USA
*****			*****			4:16.54	NANCY PHILLIPS	USA	32:15.87	Y.FRISCHHERTZ	USA
*****			*****			4:22.62	JAE HOWELL	USA	35:14.82	GERTRUD ZINT	USA
*****			*****			4:22.88	GRACE ALTUS	USA	37:56.10	M. GARTON	AUS
*****			*****			4:35.40	SUE MCGAUGHEY	USA	44:12.56	FRANCIS BELL	USA
*****			*****			4:38.03	E. WATSON	AUS	50 M. BACK		
*****			*****			4:44.52	B. GRACE	AUS	48.75	WILLY VAN RYSEL	GBR
*****			*****			4:51.88	KOTOKO K. KROESEN	USA	51.65	Y.FRISCHHERTZ	USA
*****			*****			5:52.84	ELFIE STEVENIN	USA	52.81	ANNE WALKER	USA
*****			*****			400 M. I.M.			53.96	LOUISE DONOVAN	USA
*****			*****			8:58.54	M. DUTTON	AUS	54.17	P. RAE	AUS
*****			*****			9:00.94	JAE HOWELL	USA	54.51	GERTRUD ZINT	USA
*****			*****			9:03.41	B. STERN	AUS	56.15	AUDREY ETIENNE	USA
*****			*****			9:06.86	JUNE REYNOLDS	USA	56.28	RITA SIMONTON	USA
*****			*****			9:28.37	GRACE ALTUS	USA	56.54	ZADA TAFT	USA
*****			*****			9:36.66	E. PRICE	AUS	57.66	EDNA FARRELL	NZL
*****			*****			9:56.28	M. CHIPPERFIELD	AUS	100 M. BACK		
*****			*****			10:15.70	P. RAE	AUS	1:52.31	WILLY VAN RYSEL	GBR
*****			*****			10:36.24	MARJORIE NEWMAN	USA	1:52.56	Y.FRISCHHERTZ	USA
*****			*****			11:13.30	MAISIE SCIBORSKI	USA	1:54.85	P. RAE	AUS
*****			*****			*****			1:59.57	ANNE WALKER	USA
*****			*****			*****			2:01.44	GERTRUD ZINT	USA
*****			*****			*****			2:05.35	EDNA FARRELL	NZL
*****			*****			*****			2:11.10	SALLY JOY	USA
*****			*****			*****			2:13.08	IVY BROWNE	USA
*****			*****			*****			2:13.80	L. MCANDLISH	AUS
*****			*****			*****			2:14.71	B. GRANT	AUS
*****			*****			*****			200 M. BACK		
*****			*****			*****			3:58.96	Y.FRISCHHERTZ	USA
*****			*****			*****			4:20.90	GERTRUD ZINT	USA
*****			*****			*****			4:38.00	SALLY JOY	USA
*****			*****			*****			4:45.93	IVY BROWNE	USA
*****			*****			*****			4:53.93	MARGARET SAMSON	USA
*****			*****			*****			4:54.48	MARY LATHRAM	USA
*****			*****			*****			4:57.19	RUTH WUNDERLICH	USA
*****			*****			*****			5:02.00	HELLEN ROUMASSET	USA
*****			*****			*****			5:02.08	M. GARTON	AUS
*****			*****			*****			5:02.51	ELIZABETH COLBURN	USA
*****			*****			*****			50 M. BRST		
*****			*****			*****			52.89	GERTRUD ZINT	USA
*****			*****			*****			58.73	BERNICE HOOPER	GBR
*****			*****			*****			1:00.05	P. RAE	AUS
*****			*****			*****			1:00.32	SALLY JOY	USA
*****			*****			*****			1:00.51	RITA SIMONTON	USA
*****			*****			*****			1:01.86	DOROTHEA WOODSIDE	USA
*****			*****			*****			1:03.56	ELIZABETH COLBURN	USA
*****			*****			*****			1:03.94	MARIE KREIPE	USA
*****			*****			*****			1:05.23	Y.FRISCHHERTZ	USA
*****			*****			*****			1:06.62	VIOLA THOMPSON	USA



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FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1989

1:50.27 ANNA BAUSCHER	USA	4:15.13 PELLE WIKSTROM	SWE	1:09.57 PAUL WRIGHT	GBR	5:26.00 JEFF NEUFELD	USA
100 M. FREE		4:17.22 DAVID GROOTENHUIS	USA	1:09.63 HOLDEN BANK	USA	5:28.91 BRYAN RIBA	USA
3:01.15 ANNA BAUSCHER	USA	4:28.60 STEFFANO PETTI	ITA	1:10.68 ROBERT ETKINS	USA	5:29.80 RONALD GROVE	NED
4:45.45 MAMIE BROWN	USA	4:31.59 STEVE SCHMIDT	USA	1:10.77 JAN VANDERSLUIS	USA		
200 M. FREE		4:32.43 GERRY RODRIGUES	USA	1:11.22 G. CARROLL	AUS	*****	
5:33.83 MARIAN MCKECHNIE	USA	4:32.43 ROBERT EBERWINE	USA	1:11.65 R. SHERWIN	AUS	M E N 30-34	
800 M. FREE		4:33.00 MIKE HALPENNY	USA	200 M. BRST		*****	
24:05.34 MARIAN MCKECHNIE	USA	4:33.86 MARK PICKERING	USA	2:24.68 PETER MCCLAFFERTY	USA	50 M. FREE	
50 M. BACK		4:36.64 ENRIQUE QUINONES	USA	2:31.90 MILORAD RADO	SUI	22.82 ROWDY GAINES	JPN
1:13.57 MARIAN MCKECHNIE	USA	800 M. FREE		2:36.26 STEVEN ROEDER	USA	23.98 JAMES MONTGOMERY	USA
1:27.55 ANNA BAUSCHER	USA	8:56.96 DAVID GROOTENHUIS	USA	2:39.60 FEDERICO CERESI	ITA	24.20 WILL DOUGLASS	USA
2:06.17 MAMIE BROWN	USA	9:03.00 A. GOLDSCHMIDT	USA	2:39.99 MIKE WINTERBAUER	USA	24.35 JAY HERSEY	USA
100 M. BACK		9:06.22 GERRY RODRIGUES	USA	2:42.71 DAVE KRUSE	USA	24.46 BRIAN ARCHIBALD	GBR
2:52.17 ANNA BAUSCHER	USA	9:17.07 MILORAD RADO	SUI	2:43.49 JAN VANDERSLUIS	USA	24.50 M. MORGAN	AUS
2:54.94 MARIAN MCKECHNIE	USA	9:25.41 STEVE SCHMIDT	USA	2:45.86 JEFF KENNEDY	USA	24.52 MIKE MILES	USA
200 M. BACK		9:28.72 ROGER R. BARTELS	USA	2:46.84 G. LEAYR	AUS	25.14 SCOTT BECKER	USA
6:00.16 MARIAN MCKECHNIE	USA	9:34.41 ROBERT EBERWINE	USA	2:47.97 JAMES ACKER	USA	25.18 RICCARDO URBANI	ITA
100 M. I.M.		9:37.73 MARK PICKERING	USA	50 M. FLY		25.25 FRITZ LEHMAN	USA
4:32.97 ANNA BAUSCHER	USA	9:43.15 ENRIQUE QUINONES	USA	24.24 D. BURGESS LAIRD	USA	100 M. FREE	
200 M. I.M.		9:51.58 PAUL COPELLO	USA	25.77 JAMES LILLEY	USA	50.51 ROWDY GAINES	JPN
9:49.36 ANNA BAUSCHER	USA	1500 M. FREE		26.44 TOM ROTH	USA	51.86 JAMES MONTGOMERY	USA
		18:40.91 PIERRE DELISLE	USA	26.71 MICHAEL HIGGS	USA	53.81 JAY HERSEY	USA
*****		18:44.00 ROGER R. BARTELS	USA	26.90 MARK BEISLER	USA	55.18 LUCKY MISENHEIMER	USA
WOMEN 90-94		19:09.62 KARL KOLB	USA	26.90 M. SHEPARDSON	USA	55.20 M. MORGAN	AUS
*****		19:14.76 THOMAS BIRRELL	USA	27.06 JIM TUCKER	USA	55.26 WILL D. DOUGLAS	USA
50 M. FREE		19:28.29 JEFF NEUFELD	USA	27.10 STEPHEN HOLLETT	USA	55.65 PHILIP WOOD	GBR
2:05.40 V. FERNANCE	AUS	19:36.65 PAUL DE RIJK	NZL	27.14 BRYANT LUM	USA	56.06 MIKE MILES	USA
100 M. FREE		20:26.20 MICHAEL HITCHCOCK	USA	27.23 JOHN WALDMAN	USA	56.11 EDWARD WEST	USA
4:23.67 V. FERNANCE	AUS	21:07.40 MICHAEL D. GILES	USA	100 M. FLY		56.65 SCOTT RABALAIS	USA
50 M. BACK		21:09.32 STEVE LEWIS	USA	57.07 BRAD WELLS	USA	200 M. FREE	
1:55.07 V. FERNANCE	AUS	21:10.92 DENNIS BASS	USA	57.38 JAMES LILLEY	USA	1:50.91 ROWDY GAINES	JPN
100 M. BACK		50 M. BACK		58.79 JIM TUCKER	USA	1:53.66 DAN STEPHENSON	USA
4:19.46 V. FERNANCE	AUS	27.25 CLAY BRITT	USA	59.68 DAVID EMERSON	GBR	2:02.07 LUCKY MISENHEIMER	USA
*****		28.12 TOM ROTH	USA	1:00.50 GERRY RODRIGUES	USA	2:03.89 R. BUTCHER	AUS
WOMEN 95-99		28.33 GERALD RUPP	USA	1:00.60 MENNO SPAARGAREN	NED	2:04.85 BRIAN GOODELL	USA
*****		28.47 HANS LEJONHUFVUD	SWE	1:00.68 PETER MCCLAFFERTY	USA	2:05.50 MARCO AMIDANI	ITA
*****		28.60 MENNO SPAARGAREN	NED	1:01.03 MICHAEL HIGGS	USA	2:06.26 STEVEN PRESCOTT	NZL
*****		28.71 STEVE BARNICOAT	USA	1:01.11 M. SHEPARDSON	USA	2:06.56 J. SMORAGIEWICZ	USA
*****		28.97 MARK VAGLE	USA	1:01.58 FRANK MACIEJEWSKI	USA	2:06.78 KEVIN PARFOOT	GBR
WOMEN 100-104		29.15 MIKE BRETT	GBR	200 M. FLY		2:07.89 WILL D. DOUGLAS	USA
*****		29.20 FABIO FORTI	ITA	2:13.12 JIM TUCKER	USA	400 M. FREE	
*****		29.50 FABIO BETTAZZONI	ITA	2:19.50 STEVE SCHMIDT	USA	4:02.66 ROWDY GAINES	JPN
*****		100 M. BACK		2:20.66 CHARLES GROEN	USA	4:13.61 DAN GOERKE	USA
M E N 25-29		58.42 CLAY BRITT	USA	2:20.90 EDWIN VAN NORDEN	NED	4:14.66 JAMES KEGLEY	USA
*****		58.96 BRAD WELLS	USA	2:23.26 KEVIN CROWE	USA	4:21.09 ROB COPELAND	USA
50 M. FREE		1:01.70 MENNO SPAARGAREN	NED	2:25.03 MIKE HALPENNY	USA	4:23.80 MARCO AMIDANI	ITA
23.73 JAMES LILLEY	USA	1:03.31 ROBERT ETKINS	USA	2:31.05 JEFF KENNEDY	USA	4:24.93 MATT CLARK	USA
24.15 MICHAEL HIGGS	USA	1:03.32 GERALD RUPP	USA	2:31.08 GERRY RODRIGUES	USA	4:27.15 R. BUTCHER	AUS
24.16 PELLE WIKSTROM	SWE	1:03.90 MIKE BRETT	GBR	2:33.43 BARRY CRETIN	USA	4:31.65 SCOTT MALM	USA
24.37 STRPHEN HIRST	GBR	1:03.97 STEVE BARNICOAT	USA	2:36.90 BRYAN RIBA	USA	4:31.71 WILL D. DOUGLAS	USA
24.47 BRYANT LUM	USA	1:04.25 CHARLES GROEN	USA	100 M. I.M.		4:32.51 RANDY MILLER	USA
24.50 PETER MCCLAFFERTY	USA	1:04.81 JONATHAN SHARP	USA	58.82 JAMES LILLEY	USA	800 M. FREE	
24.53 TOM ROTH	USA	1:05.14 DANIEL RADKE	USA	59.06 CLAY BRITT	USA	8:34.26 DAN STEPHENSON	USA
24.60 LUCA VANGELISTA	ITA	200 M. BACK		59.30 PETER MCCLAFFERTY	USA	8:38.75 DAN GOERKE	USA
24.80 JOS HUIZER	NED	2:09.12 BRAD WELLS	USA	1:00.75 JOHN WALDMAN	USA	8:47.58 JAMES KEGLEY	USA
24.85 MARK HESSKAMP	USA	2:14.13 STEVE BARNICOAT	USA	1:01.04 OSCAR GEORGII	SWE	9:03.50 ROB COPELAND	USA
100 M. FREE		2:21.87 A. GOLDSCHMIDT	USA	1:01.25 ROBERT ETKINS	USA	9:08.89 JEFFERY C MILTON	USA
52.55 JAMES LILLEY	USA	2:22.20 BERT SCHLICHER	NED	1:02.31 STEVE BARNICOAT	USA	9:30.71 SCOTT RABALAIS	USA
53.04 BRAD WELLS	USA	2:23.10 RUUD WORM	NED	1:02.81 JOSEPH REINHARDT	USA	9:32.13 RICK WINDES	USA
54.38 STRPHEN HIRST	GBR	2:25.15 JONATHAN SHARP	USA	1:03.58 KEVIN INSLEY	GBR	9:36.43 RANDY MILLER	USA
54.63 MICHAEL HIGGS	USA	2:25.45 DONALD EVANS	USA	1:03.60 FABIO BETTAZZONI	ITA	9:57.83 JEFF RHODES	USA
54.90 FRANK RIETBROEK	NED	2:27.29 DANIEL RADKE	USA	200 M. I.M.		10:02.01 NED MAGGIORA	USA
54.90 FRED KETTING	NED	2:27.30 A. BONANNI	ITA	2:12.28 CLAY BRITT	USA	1500 M. FREE	
55.63 R. KATZ	AUS	2:29.37 J. HAWTON	AUS	2:12.67 D. MACKAY	AUS	17:31.04 MATT CLARK	USA
55.65 ROBERT ETKINS	USA	50 M. BRST		2:13.49 PETER MCCLAFFERTY	USA	17:48.84 SCOTT RABALAIS	USA
55.68 BRYANT LUM	USA	29.08 JOHN WALDMAN	USA	2:14.87 ROBERT ETKINS	USA	18:11.14 JAMES STEWART	USA
55.79 MARK VAGLE	USA	30.44 PETER MCCLAFFERTY	USA	2:15.61 MILORAD RADO	SUI	18:15.22 JEFFERY C MILTON	USA
200 M. FREE		30.98 JAN VANDERSLUIS	USA	2:18.25 MATS LADEBORN	SWE	18:35.51 HOWARD JAY	USA
1:54.00 BRAD WELLS	USA	31.05 MILORAD RADO	SUI	2:19.70 STEVE BARNICOAT	USA	18:47.97 JONATHAN WASHBURN	USA
1:54.30 JAMES LILLEY	USA	31.60 FEDERICO CERESI	ITA	2:21.38 FRANK MACIEJEWSKI	USA	18:51.69 DARRELL L. RUCKER	USA
1:59.15 DAVID GROOTENHUIS	USA	31.61 PAUL WRIGHT	GBR	2:21.50 FRANK RIETBROEK	NED	19:23.60 TERRY HEGGY	USA
2:02.52 TOM THAYER	USA	31.90 FABIO BONARETTI	ITA	2:21.80 FABIO BETTAZZONI	ITA	19:33.95 LARRY BLACK	USA
2:04.30 MARIO DELL'UOMO	ITA	32.40 PREBEN WARGA	SUI	400 M. I.M.		19:34.42 S. LINNET	AUS
2:04.80 MAURIZIO GRANUCCI	ITA	32.50 CLAUDIO PENNACCHI	ITA	4:57.51 PETER MCCLAFFERTY	USA	50 M. BACK	
2:04.88 AVERY KINTNER	USA	32.66 FRANK MACIEJEWSKI	USA	4:58.97 STEVEN ROEDER	USA	28.64 FRITZ LEHMAN	USA
2:06.11 ROBERT EBERWINE	USA	100 M. BRST		5:02.59 JIM TUCKER	USA	28.84 KEVIN PARFOOT	GBR
2:06.80 STEFFANO PETTI	ITA	1:05.09 JOHN WALDMAN	USA	5:10.54 STEVE SCHMIDT	USA	28.90 WILL DOUGLASS	USA
2:07.00 FABIO BETTAZZONI	ITA	1:05.36 PETER MCCLAFFERTY	USA	5:11.82 BRIAN KOENIG	USA	29.20 THOMAS WOLF	USA
400 M. FREE		1:07.61 CLAY BRITT	USA	5:16.62 GERRY RODRIGUES	USA	29.81 PATRICK HERRERA	USA
4:11.70 BRAD WELLS	USA	1:08.96 MARK STOHRER	USA	5:25.17 BARRY CRETIN	USA	29.92 TOM YOUNGER	USA



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30.10	MATTIA FLORIT	ITA	1:04.40	HOWARD JAY	USA	2:08.46	LEE MENCH	USA	1:09.80	BILL VICKERY	USA
30.24	PETER BOROSSY	SWE	200 M.	FLY		2:09.08	ART LORENTSEN	USA	1:10.13	GREGORY HARRISON	USA
30.29	SHAWN O'GORMAN	USA	2:16.71	DAN GOERKE	USA	400 M.	FREE		1:10.77	RICHARD ENRIGHT	USA
30.50	DAVID WALTERS	USA	2:17.95	JAMES DENSMORE	USA	4:21.47	LARRY WOOD	USA	1:11.90	SERGIO BERNARDINI	ITA
100 M.	BACK		2:17.97	R. BUTCHER	AUS	4:26.17	JEFF PEROUT	USA	1:12.73	LEO LETENDRE	USA
1:01.39	FRITZ LEHMAN	USA	2:22.84	A. HUNTER	AUS	4:29.23	ROBERT WRIGHT	USA	1:12.83	HOWARD BUNCH	USA
1:02.74	KEVIN PARFOOT	GBR	2:24.98	PHIL HEDGES	USA	4:32.27	GARY KEMPF	USA	1:12.95	DAVE SAMUELSOHN	USA
1:03.09	THOMAS WOLF	USA	2:29.45	THOMAS WOLF	USA	4:34.74	JEFF STRNAD	USA	1:13.28	CHUCK WOLFF	USA
1:04.53	M. MORGAN	AUS	2:31.11	NED MAGGIORA	USA	4:36.16	RICK WALTON	USA	1:13.32	DAVE SCHMINKE	USA
1:04.72	SCOTT MALM	USA	2:33.50	WALTER WOLTERS	NED	4:38.90	BILL BARR	USA	1:13.58	GARY JEWELL	USA
1:05.81	J. SMORAGIEWICZ	USA	2:33.73	C.MASSONNEAU	USA	4:39.44	FRANK THOMPSON	USA	200 M.	BRST	
1:06.70	MURRAY COULTER	NZL	2:33.90	MARTY VEEN	NED	4:42.44	STEVE B. CLARK	USA	2:28.35	GREGORY HARRISON	USA
1:06.99	DAVID BURLESON	USA	100 M.	I.M.		4:43.70	JOHN RUBOTTOM	USA	2:35.64	RICHARD ENRIGHT	USA
1:07.33	KEVIN FISHER	USA	1:01.57	PAUL MORRIS	GBR	800 M.	FREE		2:40.79	HOWARD BUNCH	USA
1:07.60	PETER BOROSSY	SWE	1:01.81	WILL DOUGLASS	USA	9:13.76	LARRY WOOD	USA	2:43.50	SERGIO BERNARDINI	ITA
200 M.	BACK		1:02.50	JOHN MCMAHON	USA	9:18.65	JEFF STRNAD	USA	2:43.81	LEO LETENDRE	USA
2:15.67	FRITZ LEHMAN	USA	1:03.48	JAN LADEBORN	SWE	9:21.67	THOMAS MCPARLAN	USA	2:48.91	DAVID WESLEY	USA
2:20.35	SHAWN O'GORMAN	USA	1:03.55	MATTHEW PAINTER	USA	9:22.43	ROBERT WRIGHT	USA	2:52.18	STEVEN DUEBALL	USA
2:26.33	SCOTT MALM	USA	1:03.87	SHAWN O'GORMAN	USA	9:41.59	RICHARD JORDAN	USA	2:53.44	JAY HOWELL	USA
2:26.74	MURRAY COULTER	NZL	1:04.23	ALLEN LYDICK	USA	9:45.82	FRANK THOMPSON	USA	2:54.45	DAVID BRIGGS	USA
2:26.85	DAVID BURLESON	USA	1:04.37	TOM YOUNGER	USA	9:48.50	STEVE B. CLARK	USA	2:56.59	W. CRESWICK	AUS
2:29.48	JOHN ZELL	USA	1:04.80	SCOTT BECKER	USA	10:01.10	JOHN RUBOTTOM	USA	50 M.	FLY	
2:31.00	PATRICK HERRERA	USA	1:04.83	PATRICK HERRERA	USA	10:02.70	HUGH MOORE	USA	26.70	BILL VICKERY	USA
2:31.14	DARRELL L. RUCKER	USA	200 M.	I.M.		10:03.55	KENT HAMBERG	SWE	27.33	N. ROGERS	AUS
2:31.79	MIKE SLOWEY	USA	2:18.65	SHAWN O'GORMAN	USA	1500 M.	FREE		27.43	THOMAS PERRIN	USA
2:32.37	ROBERT HILDUM	USA	2:22.04	THOMAS WOLF	USA	18:51.38	STEVE B. CLARK	USA	27.80	DOUGLAS FLECK	USA
50 M.	BRST		2:22.22	MATTHEW PAINTER	USA	18:55.83	STEVEN DURAPAU	USA	27.97	MICHAEL HEATHER	USA
30.11	R.HOFSTETTER	USA	2:22.55	NEIL WASSERMAN	USA	19:15.87	RICHARD JORDAN	USA	28.17	DON MENZIE	USA
30.83	PAUL MORRIS	GBR	2:24.35	JAMES E. DENSMORE	USA	19:20.86	KENT HAMBERG	SWE	28.18	FRED FERRARO	USA
31.32	ALLEN LYDICK	USA	2:25.30	WALTER ROLLOOS	NED	20:03.64	D. BRADY	AUS	28.21	KEVIN MCCORMACK	USA
31.60	JAN LADEBORN	SWE	2:26.50	MARCO AMIDANI	ITA	20:09.48	JOE KINNEY	USA	28.29	DOUGLAS LENNOX	USA
32.56	KARL KAZMAIER	USA	2:27.65	BRUCE JONES	USA	20:20.96	P. FORBES	AUS	28.32	DAVID TOLER	USA
32.56	DIRK CRANDELL	USA	2:28.59	JAMES WELBORN	USA	20:37.80	A. CUMMING	AUS	100 M.	FLY	
32.59	BILL FARRELL	USA	2:28.83	NED MAGGIORA	USA	20:46.62	JEFFREY WRIGHT	USA	1:00.62	THOMAS PERRIN	USA
32.60	SERGIO BERNARDINI	ITA	400 M.	I.M.		20:51.68	JAMES OXLEY	USA	1:00.67	N. ROGERS	AUS
32.86	LEE RIDER	USA	4:59.15	ROB COPELAND	USA	50 M.	BACK		1:00.86	MEL NASH	USA
32.88	WILL DOUGLASS	USA	5:06.62	NEIL WASSERMAN	USA	28.05	MEL NASH	USA	1:02.47	MICHAEL HEATHER	USA
100 M.	BRST		5:15.10	SCOTT RABALAIS	USA	29.31	CLAY EVANS	USA	1:02.63	TREVOR CLARK	GBR
1:08.17	R.HOFSTETTER	USA	5:16.38	RANDY MILLER	USA	29.63	JEFF PEROUT	USA	1:02.67	JEFF STRAND	USA
1:08.72	PAUL MORRIS	GBR	5:17.77	JOHN ZELL	USA	29.74	CHUCK WOLFF	USA	1:03.70	HOWARD BUNCH	USA
1:08.83	ALLEN LYDICK	USA	5:22.37	KELLY K. KING	USA	30.08	WILLIAM TINGLEY	USA	1:03.96	JEFF STRNAD	USA
1:11.14	LEE RIDER	USA	5:22.96	NED MAGGIORA	USA	30.46	GARY KEMPF	USA	1:04.37	DAVE SAMUELSOHN	USA
1:11.26	MIKE SLOWEY	USA	5:24.47	JAMES WELBORN	USA	30.58	TREVOR CLARK	GBR	1:04.61	ROBERT WRIGHT	USA
1:11.37	MATTHEW PAINTER	USA	5:24.88	LEE RIDER	USA	30.74	MOSHARRAF KHAN	BAN	200 M.	FLY	
1:11.92	ERIC SMITH	USA	5:25.30	RICHARD BROER	NED	30.74	TOM WHATLEY	USA	2:22.49	LARRY WOOD	USA
1:12.77	KARL KAZMAIER	USA				30.80	BOB SCHOUTSEN	NED	2:23.40	MARK SAUNDERS	NZL
1:13.50	SANDRO CARMINATI	ITA	*****			100 M.	BACK		2:24.53	JEFF STRNAD	USA
1:13.64	CHRIS DIXON	USA	M E N 35-39			1:01.98	MEL NASH	USA	2:25.16	ROBERT WRIGHT	USA
200 M.	BRST		*****			1:03.75	CHUCK WOLFF	USA	2:26.14	RICK WALTON	USA
2:30.18	JOSEPH SHORE	USA	50 M.	FREE		1:04.45	GARY KEMPF	USA	2:26.37	MICHAEL HEATHER	USA
2:37.39	ERIC SMITH	USA	23.98	BILL VICKERY	USA	1:04.58	JEFF PEROUT	USA	2:27.09	L. SEVARACZ	AUS
2:42.36	LEE RIDER	USA	24.64	TOM WHATLEY	USA	1:04.80	WILLIAM TINGLEY	USA	2:30.27	HUGH MOORE	USA
2:43.26	JAMIE LOUIE	USA	25.03	ELIAS MCQUADE	USA	1:05.35	JOHN KAFENTZIS	USA	2:30.55	JAN HUNEKE	USA
2:43.60	SERGIO BERNARDINI	ITA	25.21	NED CAHOON	SUI	1:05.36	EDDIE RIACH	GBR	2:30.55	RICHARD JORDAN	USA
2:44.85	KARL KAZMAIER	USA	25.32	COLIN HERRING	NZL	1:05.49	CLAY EVANS	USA	100 M.	I.M.	
2:46.80	RON PEARLMAN	USA	25.35	N. ROGERS	NZL	1:06.60	BOB SCHOUTSEN	NED	1:01.17	MEL NASH	USA
2:47.80	R.FORCEILINI	ITA	25.39	WILLIE WACHOB	USA	1:06.84	GARY HAER	USA	1:02.00	CLAY EVANS	USA
2:48.38	M. SHEPPARD	AUS	25.51	JACK GROSELLE	USA	200 M.	BACK		1:02.18	BILL VICKERY	USA
2:48.87	THOMAS LANGE	USA	25.69	JOHN KAFENTZIS	USA	2:20.60	GARY KEMPF	USA	1:02.81	CHUCK WOLFF	USA
50 M.	FLY		25.71	DAVID TOLER	USA	2:23.75	ART LORENTSEN	USA	1:03.96	TOM WHATLEY	USA
25.06	MICHAEL BOTTOM	USA	100 M.	FREE		2:24.22	JEFF PEROUT	USA	1:04.18	THOMAS PERRIN	USA
26.00	PAUL MORRIS	GBR	53.94	BILL VICKERY	USA	2:28.00	FRED FERROGGIARO	USA	1:04.90	ELIAS MCQUADE	USA
26.53	M. MORGAN	AUS	54.10	ELIAS MCQUADE	USA	2:29.20	BOB SCHOUTSEN	NED	1:04.91	TREVOR CLARK	GBR
26.72	WILL D. DOUGLAS	USA	54.72	JEFF PEROUT	USA	2:29.83	WILLIAM TINGLEY	USA	1:05.07	DAVID TOLER	USA
27.24	TOM YOUNGER	USA	56.60	GARY KEMPF	USA	2:31.27	FRANK THOMPSON	USA	1:05.29	TOM REUDY	USA
27.30	RICCARDO URBANI	ITA	56.67	DAVID TOLER	USA	2:31.70	GARY HAER	USA	200 M.	I.M.	
28.04	ALLEN LYDICK	USA	56.73	NED CAHOON	SUI	2:32.27	MARK SAUNDERS	NZL	2:15.67	CLAY EVANS	USA
28.05	MATT CLARK	USA	56.73	TOM WHATLEY	USA	2:34.30	HANS PIEDERET	NED	2:19.52	MEL NASH	USA
28.10	BRUCE K. MENEFFEE	USA	57.14	LEE MENCH	USA	50 M.	BRST		2:19.97	LARRY WOOD	USA
28.15	CHRIS A. DIXON	USA	57.99	CHARLES WIGHT	USA	31.94	BILL VICKERY	USA	2:21.30	CHUCK WOLFF	USA
100 M.	FLY		58.02	FRED FERRARO	USA	32.26	DAVE SCHMINKE	USA	2:23.30	TOM WHATLEY	USA
56.43	MICHAEL BOTTOM	USA	200 M.	FREE		33.24	GARY JEWELL	USA	2:23.77	DAVID TOLER	USA
58.15	PAUL MORRIS	GBR	1:59.38	LARRY WOOD	USA	33.53	LEO LETENDRE	USA	2:24.87	RICHARD ENRIGHT	USA
58.30	JAY HERSEY	USA	1:59.44	JEFF PEROUT	USA	33.62	HOWARD BUNCH	USA	2:26.23	GREGORY HARRISON	USA
1:01.86	M. MORGAN	AUS	2:00.91	ELIAS MCQUADE	USA	33.68	DAVID WESLEY	USA	2:27.78	MARK SAUNDERS	NZL
1:01.86	JAMES E. DENSMORE	USA	2:05.47	THOMAS MCPARLAN	USA	33.81	KENT HAMBERG	SWE	2:29.44	DONALD PETERSON	USA
1:02.34	DAVID VANDAM	USA	2:06.70	ROBERT WRIGHT	USA	33.90	SERGIO BERNARDINI	ITA	400 M.	I.M.	
1:03.20	RICHARD BURROWS	USA	2:07.56	JEFF STRNAD	USA	34.21	W. CRESWICK	AUS	4:53.16	CLAY EVANS	USA
1:03.42	BRUCE JONES	USA	2:08.04	GARY KEMPF	USA	34.23	JACK GROSELLE	USA	5:04.28	LARRY WOOD	USA
1:03.79	K.ANDERSON-BACA	USA	2:08.35	DAVID TOLER	USA	100 M.	BRST		5:08.99	RICHARD ENRIGHT	USA



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5:15.80	MARK SAUNDERS	NZL	30.63	DAN THOMPSON	USA	1:04.45	ROGER JONES	USA	2:13.89	RICHARD BAUSCHARD	USA
5:26.54	DOUGLAS FLECK	USA	31.06	HOMER LANE	USA	1:05.22	JANDS KIRICSI	HUN	2:14.44	MICHAEL WAKE	GBR
5:29.25	RICK WALTON	USA	31.07	R.KOLONKOWSKI	USA	1:06.80	WIM MULDER	NED	2:14.56	HARRY WICKENS	USA
5:30.62	JOHN RUBOTTOM	USA	31.12	TOD SPIEKER	USA	1:07.00	DAVE GEMMILL	USA	2:15.03	BILL WOOD	USA
5:30.93	RICHARD JORDAN	USA	31.93	JOHN GORDON	GBR	1:07.20	MARK EBEL	USA	2:16.19	TEGZE HARASZTI	USA
5:34.08	STEVEN DURAPAU	USA	31.94	ROGER JONES	USA	200 M.	FLY		2:18.28	GAYLORD HOPKINS	USA
5:34.93	JAN HUNEKE	USA	32.02	KENNETH KRUEGER	USA	2:16.15	BOO GALLAS	USA	400 M.	FREE	
*****			32.20	PETER SCHILLEMANS	NED	2:20.01	JAMES LA MONTAGNE	USA	4:33.39	EDWARD CAZALET	USA
*****			100 M.	BACK		2:23.85	R.KOLONKOWSKI	USA	4:37.85	RICHARD BOYD	USA
M E N 40-44			1:04.50	RIC COOLEY	USA	2:27.81	KEITH BELL	USA	4:44.73	BILL WOOD	USA
*****			1:05.15	TOD SPIEKER	USA	2:29.22	RAFAEL HERNANDEZ	MEX	4:49.46	HARRY WICKENS	USA
50 M. FREE			1:05.23	DICK THOMAS	USA	2:33.50	D.UIJTENBOGGAART	NED	4:52.67	R. CAMPION	AUS
25.12	HOMER LANE	USA	1:06.37	ANDREW MCPHERSON	USA	2:36.08	DOUG HUESTIS	USA	4:54.83	LEO BRUNING	USA
25.24	ANDREW MCPHERSON	USA	1:09.26	JEFFREY HELMS	USA	2:36.24	BRETT SORGE	USA	4:55.83	ROBERT BALL	USA
25.32	JAMES LA MONTAGNE	USA	1:09.55	DANIEL ROGACKI	USA	2:37.90	ROBERT MOYNIHAN	USA	5:00.08	PATRICK WICKENS	USA
25.38	JEFFREY HELMS	USA	1:10.18	LARRY ESCHENBURG	USA	2:43.42	BOB DAVIDSON	USA	5:00.63	JACK GEOGHEGAN	USA
25.60	RIC COOLEY	USA	1:10.34	FRANK WARNER	USA	100 M.	I.M.		5:00.98	KEVIN KELLY	USA
25.66	DANIEL ROGACKI	USA	1:10.36	JOHN GORDON	GBR	1:02.30	RIC COOLEY	USA	800 M.	FREE	
25.75	BOO GALLAS	USA	1:10.40	PETER SCHILLEMANS	NED	1:03.86	ANDREW MCPHERSON	USA	9:32.34	RICHARD BOYD	USA
25.78	DIRK VAN HOESEH	USA	200 M.	BACK		1:04.67	JOHN CALVERT	USA	9:36.98	EDWARD CAZALET	USA
25.90	JAN KOEN ANTHONI	NED	2:22.17	TOD SPIEKER	USA	1:05.23	DAN THOMPSON	USA	9:49.97	BILL WOOD	USA
25.94	G. ROGERS	AUS	2:29.55	FRANK WARNER	USA	1:06.18	BOO GALLAS	USA	10:07.68	LEO BRUNING	USA
100 M. FREE			2:30.31	DICK THOMAS	USA	1:06.27	DANIEL ROGACKI	USA	10:21.07	TEGZE HARASZTI	USA
55.51	JAMES LA MONTAGNE	USA	2:31.18	R.KOLONKOWSKI	USA	1:06.36	JOHN RADIMER	USA	10:21.32	HARRY WICKENS	USA
56.03	JEFFREY HELMS	USA	2:32.35	EDWIN III PYLE	USA	1:06.52	HOMER LANE	USA	10:24.19	KEVIN KELLY	USA
56.18	BOO GALLAS	USA	2:37.09	STEVE MORGAN	USA	1:06.97	JANDS KIRICSI	HUN	10:36.69	SCOTT GUTHRIE	USA
56.29	HOMER LANE	USA	2:37.50	D.UIJTENBOGGAART	NED	1:07.27	PAUL HENNE	USA	10:40.61	STEPHEN HELLMANN	USA
56.97	G. ROGERS	AUS	2:38.60	PETER SCHILLEMANS	NED	200 M.	I.M.		10:46.60	PATRICK WICKENS	USA
57.20	DAN THOMPSON	USA	2:39.35	B. SEYMOUR	AUS	2:18.73	JOHN CALVERT	USA	1500 M.	FREE	
57.98	JOHN NOLAN	USA	2:42.84	VIRGIL DANIELS	USA	2:19.27	RIC COOLEY	USA	20:31.19	GAYLORD HOPKINS	USA
59.25	BILL BARTHOLD	USA	50 M.	BRST		2:22.38	JAMES LA MONTAGNE	USA	20:32.28	R. CAMPION	AUS
59.39	FRANK WARNER	USA	31.33	PAUL HENNE	USA	2:25.53	EDWIN PYLE	USA	20:38.81	SCOTT GUTHRIE	USA
59.44	HARRY GREENFIELD	USA	31.90	KEES UITTENDHOUT	NED	2:27.00	JOHN RADIMER	USA	20:56.51	ROB HANOU	NED
200 M. FREE			32.24	RAFAEL HERNANDEZ	MEX	2:28.60	WIM MULDER	NED	21:07.04	ROGER BOSVELD	USA
2:03.53	JEFFREY HELMS	USA	33.02	ALLEN STARK	USA	2:29.20	D.UIJTENBOGGAART	NED	21:25.36	F. GODDEN	AUS
2:04.23	JAMES LA MONTAGNE	USA	33.07	MIKE WITASZEK	USA	2:30.65	DANIEL ROGACKI	USA	21:30.02	C.JOHANSSON	SWE
2:05.52	HOMER LANE	USA	33.34	DAN THOMPSON	USA	2:34.06	STEVE ARNDT	USA	21:40.88	STEPHEN L. SAYLOR	USA
2:05.85	JOHN NOLAN	USA	33.50	TIBOR CSERVENYAK	SUI	2:34.30	WILLIAM CONDON	USA	21:50.97	DONALD WALLACE	USA
2:08.05	JOHN CALVERT	USA	33.94	DANIEL ROGACKI	USA	400 M.	I.M.		22:24.66	B. GREEN	AUS
2:09.45	BOO GALLAS	USA	34.31	WAYNE A. SMITH	USA	5:00.76	JOHN CALVERT	USA	50 M.	BACK	
2:12.75	STEVE ARNDT	USA	34.45	IVAN JOHNSTONE	NZL	5:08.56	ANDREW MCPHERSON	USA	31.01	JOZSEF CSIKANY	HUN
2:13.32	GAARD ARNESON	USA	100 M.	BRST		5:12.07	EDWIN PYLE	USA	31.01	RICHARD BURNS	USA
2:13.38	ANDY WILSON	GBR	1:10.70	RAFAEL HERNANDEZ	MEX	5:16.56	JOHN NOLAN	USA	31.73	BOB WELTY	USA
2:13.57	PATRICK HOWE	USA	1:11.22	PAUL HENNE	USA	5:18.56	JOHN RADIMER	USA	32.70	ENRICO TOSI	ITA
400 M. FREE			1:11.79	ALLEN STARK	USA	5:20.20	D.UIJTENBOGGAART	NED	32.91	JON HEIMANN	USA
4:23.59	JEFFREY HELMS	USA	1:12.98	DIRK VAN HOESEH	USA	5:22.08	TOD SPIEKER	USA	33.05	HARRY SOBER	USA
4:25.62	JAMES LA MONTAGNE	USA	1:14.02	WAYNE A. SMITH	USA	5:28.98	GAARD ARNESON	USA	33.28	FRANS D. NELSON	USA
4:32.60	JOHN NOLAN	USA	1:15.01	DAVID DEMSKI	USA	5:43.08	VIRGIL DANIELS	USA	33.33	JOHN LAKE	GBR
4:36.21	TOD SPIEKER	USA	1:15.32	MIKE WITASZEK	USA	5:46.09	DOUG HUESTIS	USA	33.90	ANTONIO D OPPIDO	ITA
4:40.06	GAARD ARNESON	USA	1:15.40	WIM MULDER	NZL	*****			34.05	JACKSON ILIFF	USA
4:40.10	D.UIJTENBOGGAART	NED	1:15.76	WILLIAM CONDON	USA	*****			100 M.	BACK	
4:40.83	KEITH BELL	USA	1:15.84	DANIEL ROGACKI	USA	M E N 45-49			1:05.31	ROBERT SMITH	USA
4:43.30	FRANK WARNER	USA	200 M.	BRST		*****			1:06.90	RICHARD BURNS	USA
4:45.77	EDWIN PYLE	USA	2:38.16	RAFAEL HERNANDEZ	MEX	50 M. FREE			1:07.74	JOZSEF CSIKANY	HUN
4:47.28	JEFFREY COOKE	USA	2:40.68	ALLEN STARK	USA	25.46	RICHARD WOODROW	USA	1:10.66	BOB WELTY	USA
800 M. FREE			2:40.73	JOHN CALVERT	USA	26.02	KEEFE LODWIG	USA	1:11.60	ENRICO TOSI	ITA
9:08.99	JEFFREY HELMS	USA	2:43.13	DIRK VAN HOESEH	USA	26.11	RAY PADOVAN	USA	1:13.22	JON HEIMANN	USA
9:35.89	GAARD ARNESON	USA	2:45.82	DAVE GEMMILL	USA	26.29	RICHARD BAUSCHARD	USA	1:13.81	JACKSON ILIFF	USA
9:45.06	JOHN FLANAGAN	USA	2:46.35	WAYNE A. SMITH	USA	26.60	EDWARD CAZALET	USA	1:14.48	JOHN LAKE	GBR
9:47.73	DAVE GEMMILL	USA	2:47.39	DAVID DEMSKI	USA	26.89	T. STRAHAN	AUS	1:14.58	JOHN DAY	USA
9:49.99	PATRICK HOWE	USA	2:48.36	IVAN JOHNSTONE	NZL	26.90	ANTONIO D OPPIDO	ITA	1:14.72	GEORGE GOFF	USA
9:56.57	JEFFREY COOKE	USA	2:48.60	D.UIJTENBOGGAART	NED	26.99	JOHN MCCARTHY	USA	200 M.	BACK	
10:13.52	LARRY ESCHENBURG	USA	2:50.11	MIKE WITASZEK	USA	27.08	LASZLO SZLAMKA	HUN	2:28.51	RICHARD BURNS	USA
10:15.91	ROBERT MOYNIHAN	USA	50 M.	FLY		27.28	JIM WHITE	USA	2:30.54	JOZSEF CSIKANY	HUN
10:36.69	FRANK MCQUIGGAN	USA	27.18	DAN THOMPSON	USA	100 M. FREE			2:35.16	BOB WELTY	USA
10:39.69	LANCE DAVIDSON	NZL	27.56	DICK THOMAS	USA	56.64	KEEFE LODWIG	USA	2:35.46	RALPH KENDRICK	USA
1500 M. FREE			28.17	BOO GALLAS	USA	57.25	EDWARD CAZALET	USA	2:36.10	ENRICO TOSI	ITA
19:30.90	PATRICK HOWE	USA	28.48	JOHN RADIMER	USA	57.30	RICHARD WOODROW	USA	2:43.47	HARRY WICKENS	USA
19:34.64	JOHN LAWRENCE	USA	28.73	ROGER JONES	USA	58.68	RICHARD BAUSCHARD	USA	2:44.19	JACKSON ILIFF	USA
19:37.04	PRESTON W. DRAKE	USA	28.84	HARRY GREENFIELD	USA	59.44	RICHARD BURNS	USA	2:44.52	LEO BRUNING	USA
19:40.47	IAN BUTTERWORTH	NZL	29.14	JOHN NOLAN	USA	59.51	JOHN MCCARTHY	USA	2:45.80	JON HEIMANN	USA
20:27.00	LANCE DAVIDSON	NZL	29.25	STEPHEN WARNER	USA	59.75	JACK PADOVAN	USA	2:47.93	STEPHEN HELLMANN	USA
20:28.81	DOUGLAS SELBY	USA	29.50	JAN KOEN ANTHONI	NED	1:00.54	RACE GEOGHEGAN	USA	50 M.	BRST	
20:36.45	DAVE CHENEY	USA	29.63	KENNETH KRUEGER	USA	1:01.02	TEGZE HARASZTI	USA	32.95	SCOTT GUTHRIE	USA
20:38.73	STEVE ARNDT	USA	100 M.	FLY		1:01.46	JOHN MARTIN-DYE	GBR	33.13	THOMAS JR. BOAK	USA
20:42.19	HAN ROOS	NZL	1:00.79	ANDREW MCPHERSON	USA	200 M.	FREE		34.92	DOUGLAS MARKUSIC	USA
20:43.58	MARK EBEL	USA	1:01.64	BOO GALLAS	USA	2:07.64	EDWARD CAZALET	USA	35.24	ROBERT APEL	GBR
50 M. BACK			1:01.90	JOHN RADIMER	USA	2:11.11	RICHARD WOODROW	USA	35.63	DANIEL PER-LEE	USA
29.70	RIC COOLEY	USA	1:01.98	DAN THOMPSON	USA	2:11.53	RICHARD BOYD	USA	35.69	CHARLES LEE	USA
30.00	DICK THOMAS	USA	1:03.26	DICK THOMAS	USA	2:13.20	RICHARD BURNS	USA	35.70	ROB HANOU	NED



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35.72	PHILIP NEUJAHN	USA	400 M. I.M.	23:45.87	I. WINGATE	AUS	1:12.20	ERNIE LESKOVITZ	USA		
35.90	ANTONIO D OPPIDO	ITA	5:17.02	EDWARD CAZALET	USA	50 M. BACK	1:12.29	STANLEY CLARKE	GBR		
36.19	TEGZE HARASZTI	USA	5:17.96	RICHARD BOYD	USA	31.42	JOHN SMITH	USA	1:12.47	MEL GOLDSTEIN	USA
100 M. BRST			5:28.33	RALPH KENDRICK	USA	32.76	PETER BERGEGREN	SWE	1:13.98	PETER BERGEGREN	SWE
1:13.91	THOMAS JR. BOAK	USA	5:32.82	HARRY WICKENS	USA	32.92	ANTHONY WESTON	GBR	1:14.66	BERT PETERSEN	USA
1:14.53	ROBERT SMITH	USA	5:40.66	BOB WELTY	USA	33.22	PATRICK FERGUSON	USA	1:14.70	W.TIMKEN	USA
1:16.50	SCOTT GUTHRIE	USA	5:40.82	LEO BRUNING	USA	34.40	DALE MCGINLEY	USA	1:16.26	DENNIS O'BRIEN	USA
1:17.10	ROBERT APEL	GBR	5:44.22	MICHAEL LAUX	USA	34.45	BILL EARLEY	USA	1:16.78	WILLIAM JONES	USA
1:17.70	GIANNI GROSS	ITA	5:46.72	LAJOS VARSZEGI	HUN	34.55	R. ANDREW	AUS	1:17.22	TELFAIR MAHAFFY	USA
1:18.60	ROB HANOU	NED	5:57.59	JACKSON ILIFF	USA	34.65	SKIP MONSEIN	USA	200 M. FLY		
1:18.97	DOUGLAS MARKUSIC	USA	5:57.60	ROB HANOU	NED	35.07	F.YOSHIYUKI	JPN	2:36.01	ROBERT PROEBSTING	USA
1:19.45	PETER MICHEL	USA				35.37	BARR CLAYSON	USA	2:45.74	WILLIAM MULLIKEN	USA
1:20.74	PHILIP NEUJAHN	USA	*****			100 M. BACK			2:51.88	ERNIE LESKOVITZ	USA
1:21.03	ROBERT BALL	USA	M E N 50-54			1:10.07	JOHN SMITH	USA	2:56.08	WILLIAM JONES	USA
200 M. BRST			*****			1:14.72	ANTHONY WESTON	GBR	2:57.21	TELFAIR MAHAFFY	USA
2:41.44	RALPH KENDRICK	USA	50 M. FREE			1:14.80	PETER BERGEGREN	SWE	2:58.32	W.TIMKEN	USA
2:46.88	PHIL WHITTEN	USA	26.65	JOHN SMITH	USA	1:15.37	MARTY MENNEN	USA	3:09.10	NIC GEERS	NED
2:48.62	RICHARD BOYD	USA	26.79	ROBERT PROEBSTING	USA	1:16.46	BILL EARLEY	USA	3:13.07	RAY BURNS	USA
2:54.20	ROB HANOU	NED	26.98	BOB BAILIE	USA	1:16.83	F.YOSHIYUKI	JPN	3:15.70	BARRY FASBENDER	USA
2:55.38	DOUGLAS MARKUSIC	USA	27.06	PETER BERGEGREN	SWE	1:17.60	SKIP MONSEIN	USA	3:17.65	LONDON KIRCHNER	USA
2:59.61	CHARLES LEE	USA	27.55	JERRY DUNLAP	USA	1:18.51	BARR CLAYSON	USA	100 M. I.M.		
2:59.83	JIM OLSON	USA	27.83	JERRY KATZ	USA	1:19.20	NIC GEERS	NED	1:07.60	DRURY GALLAGHER	USA
3:00.04	PETER MICHEL	USA	28.19	STANLEY CLARKE	GBR	1:20.44	DALE MCGINLEY	USA	1:07.82	JOHN SMITH	USA
3:02.30	ROBERT BALL	USA	28.20	P. JACKSON	AUS	200 M. BACK			1:11.58	PETER BERGEGREN	GER
3:03.60	HUGH DUNSEATH	USA	28.30	RONALD NAKATA	USA	2:39.19	JOHN SMITH	USA	1:13.45	P. JACKSON	AUS
50 M. FLY			28.46	MARTY MENNEN	USA	2:44.04	MARTY MENNEN	USA	1:13.50	MARTY MENNEN	USA
27.62	RICHARD WOODROW	USA	100 M. FREE			2:46.31	PATRICK FERGUSON	USA	1:13.56	STANLEY CLARKE	GBR
28.06	KEEFE LODWIG	USA	59.21	PETER BERGEGREN	SWE	2:48.61	KENT PRICE	USA	1:14.36	RONALD NAKATA	USA
28.34	RAY PADOVAN	USA	59.80	ROBERT PROEBSTING	USA	2:53.95	BILL EARLEY	USA	1:14.75	JOSEPH LAMMERT	USA
28.76	SCOTT GUTHRIE	USA	1:00.27	BOB BAILIE	USA	2:56.72	SKIP MONSEIN	USA	1:16.25	PATRICK FERGUSON	USA
29.21	RICHARD BAUSCHARD	USA	1:02.11	MARTY MENNEN	USA	2:57.34	DALE MCGINLEY	USA	1:16.96	W.TIMKEN	USA
29.96	JIM WHITE	USA	1:02.60	WILLIAM VAN HORN	USA	2:57.41	F.YOSHIYUKI	JPN	200 M. I.M.		
30.04	JOHN WAGNER	USA	1:03.04	BILL ROBERTSON	USA	2:58.22	CHRISTOPHER BELL	AUS	2:31.52	DRURY GALLAGHER	USA
30.12	CEDOMIR ZLATIC	USA	1:03.37	JOHN SMITH	USA	2:58.40	NIC GEERS	NED	2:39.21	WILLIAM MULLIKEN	USA
30.20	ANTONIO D OPPIDO	ITA	1:03.59	GEOFF STOKES	GBR	50 M. BRST			2:41.56	PETER BERGEGREN	SWE
30.27	RICHARD BASSI	USA	1:03.65	KENNETH MILLER	USA	34.64	WILLIAM MULLIKEN	USA	2:47.40	MEL GOLDSTEIN	USA
100 M. FLY			1:03.70	NIC GEERS	NED	35.29	BELA FABIAN	NED	2:49.01	RONALD NAKATA	USA
1:05.71	GERRY DELONG	USA	200 M. FREE			35.89	M. MOLONEY	AUS	2:49.32	PATRICK FERGUSON	USA
1:06.96	SCOTT GUTHRIE	USA	2:15.95	ROBERT PROEBSTING	USA	36.13	NESTOR MIYARES	PER	2:50.10	DENNIS O'BRIEN	USA
1:07.08	JOHN WAGNER	USA	2:17.89	GEOFF STOKES	GBR	36.20	WIEGER MENSONIDES	NED	2:50.20	F.YOSHIYUKI	JPN
1:07.68	DICK PITMAN	USA	2:18.53	DAVID HARRISON	USA	36.22	GARY STUTSEL	AUS	2:51.50	NIC GEERS	NED
1:10.05	CEDOMIR ZLATIC	USA	2:19.01	MARTY MENNEN	USA	36.60	KLAUS FELLMER	SUI	2:52.52	W.TIMKEN	USA
1:10.30	R.LLOYD-MOSTYN	GBR	2:20.67	BILL ROBERTSON	USA	36.95	TOM WALKER	GBR	400 M. I.M.		
1:10.32	MIKE LAUX	USA	2:23.91	BOB BAILIE	USA	37.75	LONDON KIRCHNER	USA	5:20.81	DRURY GALLAGHER	USA
1:10.70	INGVAR ERIKSSON	SWE	2:24.10	NIC GEERS	NED	37.79	RAY BURNS	USA	5:38.18	WILLIAM MULLIKEN	USA
1:11.21	LEO BRUNING	USA	2:26.80	PETER BARTSCHI	SUI	100 M. BRST			5:57.31	MEL GOLDSTEIN	USA
1:11.98	STEPHEN HELLMANN	USA	2:27.06	ERNIE LESKOVITZ	USA	1:14.72	DRURY GALLAGHER	USA	6:00.65	KIRK CANTERBURY	USA
200 M. FLY			2:28.02	KENNETH MILLER	USA	1:15.64	WILLIAM MULLIKEN	USA	6:13.00	NIC GEERS	NED
2:30.18	RALPH KENDRICK	USA	400 M. FREE			1:16.08	BELA FABIAN	HUN	6:14.94	W.TIMKEN	USA
2:37.38	JACK GEOGHEGAN	USA	5:00.01	WILLIAM VAN HORN	USA	1:19.09	M. MOLONEY	AUS	6:16.77	WILLIAM VAN HORN	USA
2:38.93	DICK PITMAN	USA	5:06.54	ERNIE LESKOVITZ	USA	1:19.51	GARY STUTSEL	AUS	6:31.14	WILLIAM JONES	USA
2:39.48	MICHAEL LAUX	USA	5:07.60	NIC GEERS	NED	1:21.36	TOM WALKER	GBR	6:31.45	BARRY FASBENDER	USA
2:43.12	LEO BRUNING	USA	5:13.26	HANS LINDSTROM	SWE	1:21.37	DAVID COSTILL	USA	6:31.79	LONDON KIRCHNER	USA
2:47.31	R. CAMPION	AUS	5:14.88	BILL ROBERTSON	USA	1:22.50	NESTOR MIYARES	PER	*****		
2:50.52	LAJOS VARSZEGI	HUN	5:16.95	KIRK CANTERBURY	USA	1:23.69	JOHN MEDICI	USA	M E N 55-59		
2:52.56	BILL KING	USA	5:18.22	KENT PRICE	USA	1:24.37	LONDON KIRCHNER	USA	*****		
2:52.98	HARRY GROGAN	USA	5:20.80	GIANNI VERGA	ITA	200 M. BRST			50 M. FREE		
2:53.76	STEPHEN HELLMANN	USA	5:21.80	PETER BARTSCHI	SUI	2:45.11	DRURY GALLAGHER	USA	26.60	DONALD HILL	USA
100 M. I.M.			5:23.48	MAX ZELLER	SUI	2:46.40	WILLIAM MULLIKEN	USA	28.35	WALLY DOBLER	USA
1:07.07	RICHARD BAUSCHARD	USA	800 M. FREE			2:49.12	BELA FABIAN	HUN	28.77	CHUCK BALDWIN	USA
1:07.16	RICHARD WOODROW	USA	9:50.17	DRURY GALLAGHER	USA	2:51.44	M. MOLONEY	AUS	28.90	YOSHI OYAKAWA	USA
1:07.43	RALPH KENDRICK	USA	10:17.11	DAVID HARRISON	USA	3:06.81	JOHN MEDICI	USA	29.04	JOHN KORTHEUER	USA
1:08.76	RAY PADOVAN	USA	10:52.22	MEL GOLDSTEIN	USA	3:07.70	CLAUDIO NEGRI	ITA	29.27	J. WILLIAMS	AUS
1:09.10	ANTONIO D OPPIDO	ITA	10:55.90	ERNIE LESKOVITZ	USA	3:10.86	LONDON KIRCHNER	USA	29.65	BO AMNELL	SWE
1:09.86	BOB WELTY	USA	10:59.64	R. FORD	AUS	3:12.75	RAY BURNS	USA	29.73	EDWARD EMES	USA
1:10.04	TEGZE HARASZTI	USA	11:05.59	JOHN SMITH	USA	3:14.52	PETER CRUMBINE	USA	29.82	DICK BOWER	USA
1:10.28	SCOTT GUTHRIE	USA	11:05.73	MAX ZELLER	SUI	3:15.10	ENNIO MAINARDI	ITA	100 M. FREE		
1:11.10	ENRICO TOSI	ITA	11:16.84	A. GREGSON	AUS	50 M. FLY			1:00.08	DONALD HILL	USA
1:11.67	MICHAEL LAUX	USA	11:31.10	BILL ROBERTSON	USA	29.45	ROBERT PROEBSTING	USA	1:03.71	JACK BEATTIE	USA
200 M. I.M.			11:42.25	C. BELL	AUS	29.66	BERT PETERSEN	USA	1:05.20	B. BARRY	AUS
2:27.78	RALPH KENDRICK	USA	1500 M. FREE			30.00	P. JACKSON	AUS	1:05.23	BO AMNELL	SWE
2:30.10	RICHARD BOYD	USA	20:41.57	ERNIE LESKOVITZ	USA	30.13	BOB BAILIE	USA	1:06.25	J. WILLIAMS	AUS
2:31.08	RICHARD BAUSCHARD	USA	21:28.63	MAX ZELLER	SUI	30.50	PETER BERGEGREN	SWE	1:06.42	YOSHI OYAKAWA	USA
2:32.07	TEGZE HARASZTI	USA	21:45.01	A. GREGSON	AUS	30.56	JOHN SMITH	USA	1:08.09	BILL KING	USA
2:34.01	HARRY WICKENS	USA	22:12.12	JOHN MEDICI	USA	30.71	JOSEPH LAMMERT	USA	1:08.13	RICHARD BENNETT	USA
2:34.17	BOB WELTY	USA	22:39.41	RAY BURNS	USA	30.79	RONALD NAKATA	USA	1:08.18	JOHN KORTHEUER	USA
2:34.18	BILL WOOD	USA	23:06.54	KENNETH MILLER	USA	31.43	JERRY DUNLAP	USA	1:08.37	CHUCK BALDWIN	USA
2:38.91	JACK GEOGHEGAN	USA	23:18.60	J. PUGH	AUS	31.51	STANLEY CLARKE	GBR			
2:39.41	MIKE LAUX	USA	23:40.34	JAMES MILLER	USA	100 M. FLY					
2:39.77	SCOTT GUTHRIE	USA	23:45.20	PHIL HELLMUTH	USA	1:06.66	ROBERT PROEBSTING	USA	200 M. FREE		



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2:24.02	BURWELL JONES	USA	36.84	VITEZSLAR SVOZIL	TCH	3:00.30	MANUEL SANGUILY	USA	24:54.49	R. BUTTON	AUS
2:28.31	BILL KING	USA	37.22	BOB SR. PATTEN	USA	3:01.95	HERB KERN	USA	25:25.32	IRWIN STOLZ	USA
2:28.63	WAYNE LEENGRAN	USA	37.70	BRUNELLO GRAJA	ITA	3:02.90	LENROD GOLDSTONE	USA	25:43.06	K. JONES	AUS
2:30.05	PETER BUCKLEY	USA	38.29	BURWELL JONES	USA	3:03.15	YOSHI OYAKAWA	USA	25:50.87	RICHARD DANIEL	USA
2:30.65	B. BARRY	AUS	39.00	DON BIDWELL	NZL	400 M. I.M.			26:22.36	HARLAN DRAKE	USA
2:31.82	C.LE'BOURGEOIS	USA	39.78	D. LOELIGER	AUS	5:54.37	BURWELL JONES	USA	50 M. BACK		
2:36.76	BOB W. BEST	USA	39.80	J. DAVIES	AUS	6:04.55	LARRY GOOD	USA	35.05	PAUL HUTINGER	USA
2:38.42	TONY HOLMYARD	GBR	100 M. BRST			6:27.26	C.LE'BOURGEOIS	USA	37.26	H. SEEGBERS	USA
2:40.20	KEN KIMBALL	USA	1:16.41	MANUEL SANGUILY	USA	6:35.10	MASAYASU KAMIYA	JPN	38.46	ROBERT WHITE	USA
2:40.55	FRANK TANNER	USA	1:18.01	JOHN KORTHEUER	USA	6:42.07	LENROD GOLDSTONE	USA	38.80	KARL-OTTO MODIN	SWE
400 M. FREE			1:19.62	BOB SR. PATTEN	USA	6:42.91	HERB KERN	USA	39.78	RICHARD UPSALL	USA
5:03.34	BURWELL JONES	USA	1:23.79	BOB W. BEST	USA	7:01.74	J. HAWTHORNE	AUS	39.87	ROBERT BLOEBAUM	USA
5:18.28	PETER BUCKLEY	USA	1:26.60	BRUNELLO GRAJA	ITA	7:05.53	NICHOLAS BERENYI	USA	40.07	FRANK M. PIEMME	USA
5:25.88	WAYNE LEENGRAN	USA	1:26.63	WALLY DOBLER	USA	7:10.80	JOHN BAUMAN	USA	40.17	R. CARLON	AUS
5:26.43	BILL KING	USA	1:28.11	DON BIDWELL	NZL	7:11.50	HANS DEN BOER	NED	41.56	R. POWELL	AUS
5:28.29	MASAYASU KAMIYA	JPN	1:28.40	HANS DEN BOER	NED				41.70	JOSEPH STAUNTON	USA
5:31.81	C.LE'BOURGEOIS	USA	1:29.74	DANIEL GRUENDER	USA	*****			100 M. BACK		
5:37.50	J. WILLIAMS	AUS	1:30.94	DICK SMITH	NZL	M E N 60-64			1:18.98	PAUL HUTINGER	USA
5:37.80	JAN HOOG	SWE	200 M. BRST			*****			1:24.91	ROBERT WHITE	USA
5:41.00	KEN KIMBALL	USA	2:51.47	MANUEL SANGUILY	USA	50 M. FREE			1:25.60	KARL-OTTO MODIN	SWE
5:46.28	STEPHEN MULLINS	USA	2:58.12	JOHN KORTHEUER	USA	29.67	FRANK M. PIEMME	USA	1:29.28	R. CARLON	AUS
800 M. FREE			2:58.99	BOB SR. PATTEN	USA	30.04	PAUL HUTINGER	USA	1:29.49	ROBERT BLOEBAUM	USA
10:47.52	BURWELL JONES	USA	3:08.60	BOB W. BEST	USA	30.31	FREDERICK HAARTZ	USA	1:29.98	RICHARD UPSALL	USA
11:02.21	WAYNE LEENGRAN	USA	3:10.42	D. LOELIGER	AUS	30.48	ROB CONGELLIERE	USA	1:30.63	ROBERT MCCLURE	NZL
11:10.52	C.LE'BOURGEOIS	USA	3:11.50	BRUNELLO GRAJA	ITA	31.10	ERIC GUEST	USA	1:31.62	DON KORTEN	USA
11:16.03	LARRY GOOD	USA	3:14.30	HANS DEN BOER	NED	31.20	SILVANO DANIELI	ITA	1:33.10	JOSEPH STAUNTON	USA
11:19.93	BILL KING	USA	3:15.37	BUD BITZER	USA	31.54	PERRY ROCKWELL	USA	1:33.83	JOHN DAILY	USA
11:23.91	PETER BUCKLEY	USA	3:15.49	DON BIDWELL	NZL	31.80	DICK WEBBER	USA	200 M. BACK		
11:36.88	MASAYASU KAMIYA	JPN	3:20.10	GEROLAMO FORLANI	ITA	31.84	RICHARD WEINBERG	USA	2:49.82	ROGER FRANKS	USA
11:53.52	J. HAWTHORNE	AUS	50 M. FLY			31.99	ALLEN MILES	GBR	2:57.32	PAUL HUTINGER	USA
12:04.37	KENNETH KIMBALL	USA	30.24	WALLY DOBLER	USA	100 M. FREE			3:05.41	H. SEEGBERS	USA
12:06.24	JAN HOOG	SWE	31.64	MASAYASU KAMIYA	JPN	1:07.92	FRANK M. PIEMME	USA	3:08.95	ROBERT WHITE	USA
1500 M. FREE			33.02	C.LE'BOURGEOIS	USA	1:09.86	WILLIAM PHILLIPS	USA	3:18.70	R. CARLON	AUS
20:18.89	BURWELL JONES	USA	33.09	HERB KERN	USA	1:11.52	ROBERT WHITE	USA	3:24.88	LOU SILVERSTEIN	USA
21:16.25	C.LE'BOURGEOIS	USA	33.41	JOHN KORTHEUER	USA	1:11.72	ERIC GUEST	USA	3:25.50	ROBERT MCCLURE	NZL
21:28.00	J. WILLIAMS	AUS	33.61	BOB W. BEST	USA	1:11.77	WILLIAM BARCLAY	USA	3:26.12	LEE C. ARTH	USA
21:35.43	ARTHUR WELCH	USA	33.65	CHUCK BALDWIN	USA	1:12.87	PERRY ROCKWELL	USA	3:30.50	ROBERT RISLEY	USA
22:52.04	JAN HOOG	SWE	33.67	EDWARD EMES	USA	1:13.60	KARL-OTTO MODIN	SWE	3:31.00	WILFORD DOLPHIN	USA
22:56.51	KEN KIMBALL	USA	33.78	C.LE'BOURGEOIS	USA	1:13.64	RICHARD WEINBERG	USA	50 M. BRST		
23:19.87	BILL KING	USA	33.92	FRANK E. REYNOLDS	USA	1:13.67	ALLEN MILES	GBR	37.53	JOSEPH KURTZMAN	USA
23:35.01	J. HAWTHORNE	AUS	100 M. FLY			1:15.79	T. DONOVAN	AUS	37.99	CHARLES MOSS	USA
23:38.70	BARRY MCLEAN	NZL	1:17.20	MASAYASU KAMIYA	JPN	200 M. FREE			38.20	DONALD VAN ROSSEN	USA
24:40.15	HEINZ LORENZ	BRA	1:20.13	C.LE'BOURGEOIS	USA	2:29.65	WILLIAM PHILLIPS	USA	38.50	BRUNELLO GRAJA	ITA
50 M. BACK			1:20.99	SEYMOUR BANNING	GBR	2:38.01	FRANK M. PIEMME	USA	39.80	SILVANO DANIELI	ITA
32.69	YOSHI OYAKAWA	USA	1:21.10	JOHN KORTHEUER	USA	2:41.18	WILLIAM BARCLAY	USA	39.92	ARNOLD FORMO	USA
33.37	JACK BEATTIE	USA	1:22.42	P. BENT	AUS	2:43.80	KARL-OTTO MODIN	SWE	40.03	DOUGLAS SCOTT	USA
34.80	BURWELL JONES	USA	1:23.21	ARTHUR WELCH	USA	2:48.50	ELMER SCHNITZER	USA	40.16	WILLIAM AUSTIN	USA
35.86	B. BARRY	AUS	1:24.17	HERB KERN	USA	2:50.24	STEVE ODOBINA	USA	40.93	TOM LOGAN	NZL
35.98	HANS ANDERSSON	SWE	1:25.01	LENROD GOLDSTONE	USA	2:50.94	WAYNE SHADBOLT	USA	41.28	R. POWELL	AUS
36.27	LLOYD SKRAMSTAD	USA	1:29.52	MICHAEL TORSNEY	CAN	2:53.39	SHIZUO KONISHI	JPN	100 M. BRST		
36.34	P. BENT	AUS	1:30.50	R.SCHEIDELMAN	USA	2:53.97	ALLEN MILES	GBR	1:23.19	DONALD VAN ROSSEN	USA
36.34	RICHARD BENNETT	USA	200 M. FLY			2:54.06	IRWIN STOLZ	USA	1:24.20	BRUNELLO GRAJA	ITA
36.34	JOHN GOODE	USA	2:53.71	MANUEL SANGUILY	USA	400 M. FREE			1:26.12	FREDERICK HAARTZ	USA
36.85	B. ORCHARD	AUS	3:05.58	C.LE'BOURGEOIS	USA	5:20.31	WILLIAM PHILLIPS	USA	1:30.32	ARNOLD FORMO	USA
100 M. BACK			3:05.68	MASAYASU KAMIYA	JPN	5:25.30	ERIC YOUNGQUIST	USA	1:30.49	WILLIAM AUSTIN	USA
1:12.17	YOSHI OYAKAWA	USA	3:15.00	HERB KERN	USA	5:39.09	R. HARTLEY	AUS	1:30.77	DOUGLAS SCOTT	USA
1:12.89	JACK BEATTIE	USA	3:20.76	BUD BITZER	USA	5:42.43	FRANK M. PIEMME	USA	1:30.93	TOM LOGAN	NZL
1:15.33	BURWELL JONES	USA	3:28.45	MICHAEL TORSNEY	CAN	5:44.41	WILLIAM BARCLAY	USA	1:31.20	SILVANO DANIELI	ITA
1:18.10	RICHARD BENNETT	USA	3:34.37	JOHN BAUMAN	USA	5:44.46	ROGER FRANKS	USA	1:33.65	ROBERT METH	USA
1:18.63	HANS ANDERSSON	SWE	3:35.43	J. DAVIES	AUS	5:51.19	ROBERT WHITE	USA	1:34.49	JOSEPH KURTZMAN	USA
1:18.93	B. BARRY	AUS	3:37.00	J. HAWTHORNE	AUS	5:55.13	ELMER SCHNITZER	USA	200 M. BRST		
1:19.35	LARRY GOOD	USA	3:38.62	B. MALCOLM	AUS	5:58.87	K. JONES	AUS	3:06.10	BRUNELLO GRAJA	ITA
1:21.34	JOHN GOODE	USA	100 M. I.M.			6:12.93	IRWIN STOLZ	USA	3:09.24	FREDERICK HAARTZ	USA
1:22.26	IVOR POPE	GBR	1:12.67	BURWELL JONES	USA	800 M. FREE			3:10.33	DONALD VAN ROSSEN	USA
1:23.42	LLOYD SKRAMSTAD	USA	1:12.79	WALLY DOBLER	USA	11:14.13	WILLIAM PHILLIPS	USA	3:22.91	WILLIAM AUSTIN	USA
200 M. BACK			1:13.39	JACK BEATTIE	USA	11:26.60	R. HARTLEY	AUS	3:23.92	TOM LOGAN	NZL
2:41.11	JACK BEATTIE	USA	1:14.81	JOHN KORTHEUER	USA	11:58.91	FRANK M. PIEMME	USA	3:26.47	ARNOLD FORMO	USA
2:46.59	B. BARRY	AUS	1:16.08	BOB W. BEST	USA	12:57.84	RICHARD UPSALL	USA	3:27.80	SILVANO DANIELI	ITA
2:47.96	BURWELL JONES	USA	1:17.27	LARRY GOOD	USA	13:18.14	JOHN DAILY	USA	3:28.13	LEE C. ARTH	USA
2:48.05	YOSHI OYAKAWA	USA	1:19.67	D. LOELIGER	AUS	13:19.99	LEE C. ARTH	USA	3:34.34	JOHN DAILY	USA
2:51.41	LARRY GOOD	USA	1:19.72	FRANK E. REYNOLDS	USA	13:32.42	LOU SILVERSTEIN	USA	3:36.01	ROBERT METH	USA
2:55.41	RICHARD BENNETT	USA	1:20.05	BO AMNELL	SWE	13:46.48	RICHARD DANIEL	USA	50 M. FLY		
3:01.46	C.LE'BOURGEOIS	USA	1:20.20	HERB KERN	USA	13:47.75	HARLAN DRAKE	USA	32.99	PERRY ROCKWELL	USA
3:06.62	KENNETH KIMBALL	USA	200 M. I.M.			13:52.42	WILLIAM DEMASTUS	USA	34.10	PAUL HUTINGER	USA
3:09.32	ALFRED BEHRENDSEN	USA	2:44.49	BURWELL JONES	USA	1500 M. FREE			34.24	FRANK M. PIEMME	USA
3:09.50	RON WITTLOCK	USA	2:44.51	JACK BEATTIE	USA	21:48.37	WILLIAM PHILLIPS	USA	35.28	LUMAN SUTTON	USA
50 M. BRST			2:51.40	LARRY GOOD	USA	22:02.04	ERIC YOUNGQUIST	USA	35.60	SILVANO DANIELI	ITA
33.77	MANUEL SANGUILY	USA	2:53.75	JOHN KORTHEUER	USA	22:47.26	R. HARTLEY	AUS	35.86	ERIC GUEST	USA
35.30	JOHN KORTHEUER	USA	2:55.16	BOB W. BEST	USA	22:50.91	FRANK M. PIEMME	USA	36.01	JOSEPH KURTZMAN	USA
36.33	BOB W. BEST	USA	2:55.25	BO AMNELL	SWE	24:29.44	ALFONSO ROMO	SWE	38.25	DOUGLAS SCOTT	USA



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38.54	L. STENSTROM	AUS	1:14.03	IRVINH KATZ	USA	50	M. BRST	3:44.38	TOM MCCALL	USA
38.62	WILLIAM AUSTIN	USA	1:15.25	RAY HAKOMAKI	USA	39.87	ED RUDLOFF	3:47.51	WILLIAM STADIG	USA
100	M. FLY		1:16.30	ED RUDLOFF	USA	40.02	BARTON GREENBERG	3:47.60	NORMAN GARSOE	USA
1:19.42	CHARLES MOSS	USA	200	M. FREE		40.84	ROBERT MORRISON	3:52.35	PIERCE BRAY	USA
1:23.36	JOSEPH KURTZMAN	USA	2:42.09	JOHN RICHARDS	USA	40.88	JOHN RICHARDS	4:00.88	ALEX MCINTOSH	USA
1:25.70	SILVANO DANIELI	ITA	2:44.56	JOHN WOODS	USA	41.09	TOM DOWELL	4:02.02	BRUCE W. SUMNER	USA
1:27.04	PERRY ROCKWELL	USA	2:45.26	K. VICKERY	AUS	42.55	WILLIAM SIMPSON	4:07.49	RAY HAKOMAKI	USA
1:29.56	ERIC GUEST	USA	2:49.92	FRED TAIOLI	USA	42.87	HENRY KIVI	400	M. I.M.	
1:32.02	LEE C. ARTH	USA	2:51.56	JURGEN B. SCHMIDT	USA	42.88	IRVING KATZ	6:52.62	ED RUDLOFF	USA
1:32.30	PAUL HUTINGER	USA	2:52.60	C. BRUNELLESCHI	ITA	44.01	ABRASHA BRAININ	6:59.38	IRVING KATZ	USA
1:33.61	MILT BRIER	USA	2:55.07	IRVING KATZ	USA	44.15	BOB MERRICK	7:34.96	K. VICKERY	AUS
1:34.99	DOUGLAS SCOTT	USA	2:56.36	WAYNE SHADBOLT	USA	100	M. BRST	7:35.54	EARL WALTER	USA
1:35.72	ART KELLEY	USA	2:58.68	DORE JR. SCHWAB	USA	1:27.91	BARTON GREENBERG	7:53.14	WILLIAM STADIG	USA
200	M. FLY		3:00.63	GEORGE M. BRINTON	USA	1:29.57	ED RUDLOFF	8:21.15	PAUL CRAGO	USA
3:06.04	CHARLES MOSS	USA	400	M. FREE		1:33.57	JOHN RICHARDS	8:26.51	B. MCCABE	AUS
3:21.75	DONALD VAN ROSSEN	USA	5:58.17	JOHN RICHARDS	USA	1:36.23	IRVINH KATZ	9:04.46	HERB MCAULEY	USA
3:23.59	TOM LOGAN	NZL	5:59.25	JURGEN B. SCHMIDT	USA	1:36.24	BOB MERRICK	9:18.20	TOM STUBBS	USA
3:28.77	PERRY ROCKWELL	USA	6:00.24	FRED TAIOLI	USA	1:36.77	WILLIAM SIMPSON	9:50.08	R. RODGERS	AUS
3:29.53	LEE C. ARTH	USA	6:03.82	JOHN WOODS	USA	1:37.02	ROBERT MORRISON			
3:38.83	ART KELLEY	USA	6:04.91	K. VICKERY	AUS	1:37.27	HENRY KIVI	*****		
3:51.16	RICHARD DANIEL	USA	6:24.95	IRVINH KATZ	USA	1:39.01	NORMAN GARSOE	M E N 70-74		
4:03.43	JIM NELSON	USA	6:37.32	BOB MERRICK	USA	1:40.05	ABRASHA BRAININ	*****		
4:09.73	LORING HOLMES	USA	6:37.40	EMANUELE DELPINO	ITA	200	M. BRST	50	M. FREE	
4:12.61	J. SUTCLIFFE	AUS	6:39.77	DON LIBBY	USA	3:20.02	BARTON GREENBERG	32.54	D. JOY	AUS
100	M. I.M.		6:42.80	BROER LAMERS	NED	3:26.05	ED RUDLOFF	33.32	JAMES GREEN	USA
1:16.52	PAUL HUTINGER	USA	800	M. FREE		3:28.70	IRVINH KATZ	33.42	WILLIAM JOHNSTON	USA
1:17.45	CHARLES MOSS	USA	12:17.16	FRED TAIOLI	USA	3:38.47	NORMAN GARSOE	33.43	LYNN SURLES	USA
1:19.78	FREDERICK HAARTZ	USA	12:36.73	R. BUTTON	AUS	3:45.78	ABRASHA BRAININ	33.70	WALTER LEDGARD	PER
1:22.09	FRANK M. PIEMME	USA	12:37.66	JOHN RICHARDS	USA	3:48.25	B. MCCABE	33.77	JERRY SIEFERET	USA
1:23.19	PERRY ROCKWELL	USA	12:40.01	JURGEN B. SCHMIDT	USA	3:48.73	J. CAREY	33.87	PETE OKUMOTO	USA
1:24.45	ROBERT WHITE	USA	12:52.06	K. VICKERY	AUS	3:51.81	JURGEN B. SCHMIDT	34.43	BARNET PHILLIPS	USA
1:24.79	ERIC GUEST	USA	13:01.28	IRVING KATZ	USA	3:54.30	NORM BYRNES	34.52	HARRY CLASS	CAN
1:26.20	LUMAN SUTTON	USA	13:33.70	JIM EDWARDS	USA	3:56.69	WILLIAM STADIG	34.68	BILL ODMAN	USA
1:26.70	SILVANO DANIELI	ITA	13:50.57	NILS KLING	SWE	50	M. FLY	100	M. FREE	
1:26.90	ROBERT MCCLURE	NZL	14:02.28	ROY LAGALY	USA	35.84	JURGEN B. SCHMIDT	1:15.33	BILL ODMAN	USA
200	M. I.M.		14:04.25	DON LIBBY	USA	36.52	IRVING KATZ	1:17.96	LYNN SURLES	USA
2:53.83	CHARLES MOSS	USA	1500	M. FREE		36.64	RAY TAFT	1:18.24	ALDO DA ROSA	USA
2:56.77	FREDERICK HAARTZ	USA	24:15.30	JURGEN B. SCHMIDT	USA	37.13	HERB MCAULEY	1:18.63	JOHN CREWS	USA
3:02.82	PAUL HUTINGER	USA	24:48.01	IRVINH KATZ	USA	37.99	HUGH RICHARDS	1:18.85	ARNE JUTNER	SWE
3:06.44	FRANK M. PIEMME	USA	26:16.38	GIL YOUNG	USA	39.00	R. BUTTON	1:18.97	D. JOY	AUS
3:13.10	SILVANO DANIELI	ITA	26:49.02	ROY LAGALY	USA	40.61	ROBERT MORRISON	1:19.23	FRANK HAVLICEK	USA
3:13.25	LUMAN SUTTON	USA	26:56.35	DON GREETHAM	USA	41.10	PAUL CRAGO	1:19.27	JERRY SIEFERET	USA
3:13.59	TOM LOGAN	NZL	28:34.68	DON LIBBY	USA	41.37	BOB MERRICK	1:19.44	BARNET PHILLIPS	USA
3:18.83	K. JONES	AUS	28:59.24	RALPH ROGERS	USA	42.74	GEORGE M. BRINTON	1:20.23	PETE OKUMOTO	USA
3:19.54	ROBERT MCCLURE	NZL	29:47.00	CLIFF STEVENSON	NZL	100	M. FLY	200	M. FREE	
3:22.74	JOHN DAILY	USA	30:05.52	JOHN CRANCH	USA	1:32.34	ED RUDLOFF	2:46.86	RAYMOND TAFT	USA
400	M. I.M.		32:20.17	A. WEIDENBUSCH	USA	1:37.66	RAY TAFT	2:50.02	JOHN CREWS	USA
6:19.49	CHARLES MOSS	USA	50	M. BACK		1:39.35	PAUL CRAGO	3:01.31	NORRIS FLUKE	USA
6:46.97	DONALD VAN ROSSEN	USA	37.48	GEORGE GANDSEY	USA	1:42.00	C. BRUNELLESCHI	3:04.66	ALDO DA ROSA	USA
6:56.62	TOM LOGAN	NZL	37.57	JOHN DILLEY	USA	1:43.68	NILS KLING	3:07.22	PETE OKUMOTO	USA
7:01.92	ROBERT MCCLURE	NZL	39.12	JOHN WOODS	USA	1:44.64	WILLIAM STADIG	3:08.44	STAN BOARDMAN	NZL
7:03.41	FRANK M. PIEMME	USA	39.80	IRVING KATZ	USA	1:49.33	JOHN BRICKER	3:08.50	LYNN SURLES	USA
7:14.76	LEE C. ARTH	USA	40.69	EARL WALTERS	USA	1:57.48	PIERCE BRAY	3:08.75	KUSUO KITAMURA	JPN
7:24.98	LOU SILVERSTEIN	USA	40.81	ALEXANDER LAYLEE	GBR	1:58.79	ALEX MCINTOSH	3:09.00	GEORGE HUBBELL	USA
7:29.24	JOHN DAILY	USA	41.10	GEORGE BRINTON	USA	1:59.50	BRUCE LAMAR	3:09.75	J. JENKINS	AUS
7:39.51	LORING HOLMES	USA	41.40	C. BRUNELLESCHI	ITA	200	M. FLY	400	M. FREE	
7:45.83	RICHARD DANIEL	USA	41.80	BOB MERRICK	USA	3:47.99	WILLIAM STADIG	5:56.06	RAYMOND TAFT	USA
			42.13	K. VICKERY	AUS	3:52.28	ED RUDLOFF	6:06.96	JOHN CREWS	USA
*****			100	M. BACK		3:57.04	B. MCCABE	6:17.57	ALDO DA ROSA	USA
M E N 65-69			1:25.44	GEORGE GANDSEY	USA	3:58.66	PAUL CRAGO	6:29.68	J. JENKINS	AUS
*****			1:26.81	IRVING KATZ	USA	4:01.27	K. VICKERY	6:37.79	BILL ODMAN	USA
50	M. FREE		1:28.39	JOHN WOODS	USA	4:02.52	JOHN BRICKER	6:45.95	PETE OKUMOTO	USA
30.27	JOHN FLORANCE	USA	1:32.78	ROY LAGALY	USA	4:33.16	TOM STUBBS	6:56.10	LUCIANO CANESSA	ITA
31.20	C. BRUNELLESCHI	ITA	1:33.27	ALEXANDER LAYLEE	GBR	4:36.09	WALLY MARTIN	6:57.20	LYNN SURLES	USA
31.41	JURGEN B. SCHMIDT	USA	1:33.28	JOHN BRICKER	USA	7:47.62	T. R. JOHNSON	7:11.03	STAN BOARDMAN	NZL
31.48	JOHN WOODS	USA	1:33.52	EARL WALTERS	USA	100	M. I.M.	7:11.25	HENRY SHOSTCHUK	USA
31.94	HUGH RICHARDS	USA	1:34.79	BOB MERRICK	USA	1:23.93	IRVING KATZ	800	M. FREE	
32.20	R. BUTTON	AUS	1:35.97	GEORGE BRINTON	USA	1:25.10	JOHN WOODS	12:15.49	RAYMOND TAFT	USA
32.42	DORE JR. SCHWAB	USA	1:36.44	K. VICKERY	AUS	1:25.32	ED RUDLOFF	12:28.56	JOHN CREWS	USA
32.43	IRVINH KATZ	USA	200	M. BACK		1:26.20	R. BUTTON	12:53.73	ALDO DA ROSA	USA
32.49	RAY HAKOMAKI	USA	3:12.15	RAY TAFT	USA	1:27.66	BOB MERRICK	14:36.30	L. CAMPBELL	AUS
32.81	K. VICKERY	AUS	3:15.23	GEORGE GANDSEY	USA	1:29.04	HUGH RICHARDS	14:44.67	GEORGE RAFTER	USA
100	M. FREE		3:20.96	JOHN BRICKER	USA	1:29.10	C. BRUNELLESCHI	15:00.28	STAN BOARDMAN	NZL
1:10.36	JOHN FLORANCE	USA	3:27.08	EARL WALTERS	USA	1:30.54	JURGEN B. SCHMIDT	16:03.10	L. BULLEN	NZL
1:11.53	RAY TAFT	USA	3:30.60	BOB MERRICK	USA	1:30.65	K. VICKERY	16:13.49	ERNEST VAN HORN	USA
1:12.40	C. BRUNELLESCHI	ITA	3:33.54	ROY LAGALY	USA	1:30.83	JOHN RICHARDS	16:17.20	BUD JACKSON	USA
1:12.64	JOHN WOODS	USA	3:33.60	K. VICKERY	AUS	200	M. I.M.	16:39.24	HARRY CLASS	CAN
1:13.26	K. VICKERY	AUS	3:35.48	BOB WIEGAND	USA	3:17.42	RAY TAFT	1500	M. FREE	
1:13.72	JURGEN B. SCHMIDT	USA	3:38.08	GIL YOUNG	USA	3:33.42	EARL WALTER	26:49.92	ROBERT JOHNSTON	USA
1:13.97	JOHN RICHARDS	USA	3:38.51	JOHN CRANCH	USA	3:44.20	JOHN BRICKER	28:06.22	NILS FERM	SWE



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28:21.46	HARLWELL MOSLEY	USA	42.97	GEORGE RAFTER	USA	1:36.99	DAVID MCAFEE	USA	47.50	GIORDANO RAGGI	ITA
28:53.46	STAN BOARDMAN	NZL	43.09	ANTON CERER	USA	1:37.20	DAVID MALBROUGH	USA	50.50	ENZO LOMBARDI	ITA
29:56.02	HOWARD HOLMES	NZL	100 M.	FLY		200 M.	FREE		51.97	FREDERICK HAUFF	USA
30:15.94	HARRY ANDERSON	USA	1:31.20	PAUL KRUP	USA	2:59.20	DEXTER WOODFORD	USA	54.11	DERRICK DAVEY	GBR
31:38.96	L. BULLEN	AUS	1:39.52	ALDO DA ROSA	USA	3:28.20	GERSON SOBEL	USA	55.30	PASQUALE PIZZI	ITA
50 M.	BACK		1:43.35	HARWELL MOSELEY	USA	3:30.66	DAVID MCAFEE	USA	56.08	WILLIAM GRANT	USA
38.44	RAY TAFT	USA	1:45.70	WILLIAM JOHNSTON	USA	3:30.80	USHIMI NOBUO	JPN	56.34	A. BURGOYNE	AUS
41.17	A.VANDE WEGHE	USA	1:47.09	GEORGE RAFTER	USA	3:31.69	DAVID MALBROUGH	USA	100 M.	BRST	
41.54	WILLIAM ROWE	USA	1:47.63	JOHN PATERSON	GBR	3:35.70	WOODY BOWERSOCK	USA	1:43.87	JERRY EVERALL	USA
43.49	WALTER LEDGARD	PER	1:48.95	EARL MCCULLOUGH	USA	3:40.67	BOB TAYLOR	GBR	1:44.72	MIKE OFFNER	USA
43.85	D. JEFFRIES	AUS	1:55.95	NELSON OTIS	USA	3:41.59	WALTER SOMPAYRAC	USA	1:50.70	GIORDANO RAGGI	ITA
44.01	J. JENKINS	AUS	2:18.22	BOB MORSE	USA	3:54.31	JOHN MORRISON	USA	2:00.84	FREDERICK HAUFF	USA
44.23	BRION WINSHIP	USA	2:20.60	B.BRUSCANTINI	ITA	3:56.80	GEORGE BAUMAN	USA	2:02.32	ELMER PIERCE	USA
44.90	LUCIANO CANESSA	ITA	200 M.	FLY		400 M.	FREE		2:03.60	DEXTER WOODFORD	USA
45.42	GRAHAM HUXTABLE	GBR	3:31.97	ANTON CERER	USA	6:23.81	DEXTER WOODFORD	USA	2:04.40	DERRICK DAVEY	GBR
45.57	DICK WESTERFIELD	USA	3:39.81	PAUL KRUP	USA	7:16.71	WOODY BOWERSOCK	USA	2:08.60	HANNE SCHWARZ	FRG
100 M.	BACK		3:43.91	ALDO DA ROSA	USA	7:33.77	JERRY DONOVAN	USA	2:15.70	JOHN M. BURNSIDE	USA
1:24.30	RAY TAFT	USA	4:04.23	EARL MCCULLOUGH	USA	7:43.57	DAVID MALBROUGH	USA	2:17.20	ALBERT GILSDORF	USA
1:32.30	A.VANDE WEGHE	USA	4:05.29	HARLWELL MOSLEY	USA	7:50.95	WALTER SOMPAYRAC	USA	200 M.	BRST	
1:33.66	ALDO DA ROSA	USA	4:18.71	GEORGE RAFTER	USA	7:55.75	USHIMI NOBUO	JPN	3:53.52	MIKE OFFNER	USA
1:34.62	WALTER LEDGARD	PER	4:21.11	NELSON OTIS	USA	8:33.77	JOHN M. BURNSIDE	USA	4:00.30	GIORDANO RAGGI	ITA
1:35.48	NILS FERM	SWE	5:07.81	L. CAMPBELL	AUS	8:59.64	ROBERT BEAL	USA	4:06.92	DEXTER WOODFORD	USA
1:36.86	J. JENKINS	AUS	5:09.10	BOB MORSE	USA	9:18.70	CARLO GUERELLO	ITA	4:39.83	JERRY DONOVAN	USA
1:37.36	NORRIS FLUKE	USA	100 M.	I.M.		9:28.92	LEONARD BRISCO	USA	4:44.26	ELMER PIERCE	USA
1:40.63	BRION WINSHIP	USA	1:21.87	RAY TAFT	USA	800 M.	FREE		4:46.00	ENZO LOMBARDI	ITA
1:41.33	WILLIAM ROWE	USA	1:29.22	ALDO DA ROSA	USA	13:17.26	DEXTER WOODFORD	USA	4:55.71	JOHN M. BURNSIDE	USA
1:42.66	KUSUO KITAMURA	JPN	1:32.71	PAUL KRUP	USA	15:24.52	WOODY BOWERSOCK	USA	5:01.11	A. BURGOYNE	AUS
200 M.	BACK		1:34.45	A.VANDE WEGHE	USA	15:24.88	WALTER SOMPAYRAC	USA	5:33.71	ALBERT GILSDORF	USA
3:07.57	RAY TAFT	USA	1:36.04	J. JENKINS	AUS	15:32.84	JERRY DONOVAN	USA	6:04.02	K. SARSON	AUS
3:26.76	ALDO DA ROSA	USA	1:36.35	FRANK HAVLICEK	USA	15:58.37	DAVID MALBROUGH	USA	50 M.	FLY	
3:26.96	A.VANDE WEGHE	USA	1:37.27	JERRY SIEFERET	USA	16:01.18	DAVID MCAFEE	USA	44.89	WILLIAM GRANT	USA
3:30.49	NORRIS FLUKE	USA	1:38.44	GEORGE HUBBELL	USA	16:31.05	USHIMI NOBUO	JPN	49.34	WOODY BOWERSOCK	USA
3:33.33	J. JENKINS	AUS	1:38.62	GEORGE RAFTER	USA	17:02.36	JOHN M. BURNSIDE	USA	50.23	JOHN M. BURNSIDE	USA
3:42.61	BRION WINSHIP	USA	1:40.03	HARLWELL MOSLEY	USA	17:05.12	FRANK TILLOTSON	USA	53.24	MIKE OFFNER	USA
3:43.90	LUCIANO CANESSA	ITA	200 M.	I.M.		21:24.81	B. DOWKER	AUS	54.16	BERT KASSELL	USA
3:56.66	ROGER CHAMBERLAIN	USA	3:08.13	RAY TAFT	USA	1500 M.	FREE		54.21	OTTO WULFF	USA
3:56.66	JOHN HAAKE	USA	3:28.89	ALDO DA ROSA	USA	26:04.74	DEXTER WOODFORD	USA	58.60	LUIGI DAVOGLIO	ITA
4:02.65	HARLWELL MOSLEY	USA	3:29.02	PAUL KRUP	USA	29:38.23	WOODY BOWERSOCK	USA	1:05.18	ALBERT GILSDORF	USA
50 M.	BRST		3:34.98	GEORGE HUBBELL	USA	30:45.18	DAVID MALBROUGH	USA	1:06.90	CARL WAXMAN	USA
40.81	PAUL KRUP	USA	3:35.07	A.VANDE WEGHE	USA	32:34.38	FRANK TILLOTSON	USA	1:11.41	ROY HODGES	GBR
42.36	TOM LIND	USA	3:37.30	NORRIS FLUKE	USA	36:11.58	JOHN M. BURNSIDE	USA	100 M.	FLY	
43.30	ALDO DA ROSA	USA	3:39.94	J. JENKINS	AUS	39:32.00	K. FORD	AUS	2:01.30	WILLIAM GRANT	USA
45.00	AUGUSTO ROMANO	ITA	3:41.73	HARWELL MOSELEY	USA	47:02.07	EBEN WOLTERS	USA	2:13.95	CARL THORNBURG	USA
45.33	EARL MCCULLOUGH	USA	3:46.16	NELSON OTIS	USA	50 M.	BACK		2:17.20	JOHN M. BURNSIDE	USA
46.02	JOHN PATERSON	GBR	3:47.82	GEORGE RAFTER	USA	43.31	HANNE SCHWARZ	FRG	2:29.40	JERRY DONOVAN	USA
46.53	FORBES MACK	USA	400 M.	I.M.		43.92	YONEDA TOKUSHI	JPN	2:38.88	K. FORD	AUS
46.69	A.VANDE WEGHE	USA	6:50.27	RAY TAFT	USA	45.09	DAVID MALBROUGH	USA	3:08.83	G. COZINS	AUS
46.85	GEORGE PLUMB	GBR	7:13.95	ALDO DA ROSA	USA	46.63	WOODY BOWERSOCK	USA	200 M.	FLY	
47.07	JAMES GREEN	USA	7:17.74	ANTON CERER	USA	48.85	WILLIAM GRANT	USA	4:59.25	CARL THORNBURG	USA
100 M.	BRST		7:39.71	NORRIS FLUKE	USA	49.89	DEXTER WOODFORD	USA	7:14.92	G. COZINS	AUS
1:33.23	PAUL KRUP	USA	7:47.19	EARL MCCULLOUGH	USA	50.92	BOB TAYLOR	GBR	100 M.	I.M.	
1:35.35	ALDO DA ROSA	USA	8:13.20	HARWELL MOSELEY	USA	50.93	FREDERICK HAUFF	USA	1:35.55	KELLEY LEMMON	USA
1:37.62	RAYMOND TAFT	USA	8:25.39	NELSON OTIS	USA	51.28	MIKE OFFNER	USA	1:43.81	WOODY BOWERSOCK	USA
1:37.77	ANTON CERER	USA	8:30.00	GEORGE RAFTER	USA	51.50	SYD HENDY	USA	1:43.93	WILLIAM GRANT	USA
1:41.41	EARL MCCULLOUGH	USA	9:30.14	L. CAMPBELL	AUS	100 M.	BACK		1:52.13	CARL THORNBURG	USA
1:43.91	TOM LIND	USA	10:03.12	REGINALD MCHUGH	USA	1:39.22	YONEDA TOKUSHI	JPN	1:52.73	HANNE SCHWARZ	FRG
1:46.40	GEORGE HUBBELL	USA				1:40.16	HANNE SCHWARZ	FRG	1:53.67	JOHN M. BURNSIDE	USA
1:48.43	FORBES MACK	USA	*****			1:45.91	DAVID MALBROUGH	USA	1:56.78	BERT KASSELL	USA
1:50.13	ROGER CHAMBERLAIN	USA	M E N 75-79			1:51.23	MIKE OFFNER	USA	1:57.88	MIKE OFFNER	USA
1:50.31	MURRAY EAGER	USA	*****			1:52.61	BOB TAYLOR	GBR	1:58.02	FREDERICK HAUFF	USA
200 M.	BRST		50 M.	FREE		1:53.87	FREDERICK HAUFF	USA	1:59.29	OTTO WULFF	USA
3:31.22	ANTON CERER	USA	33.33	WOODY BOWERSOCK	USA	1:55.11	FRANK TILLOTSON	USA	200 M.	I.M.	
3:32.42	ALDO DA ROSA	USA	35.97	DEXTER WOODFORD	USA	1:56.01	OTTO WULFF	USA	4:23.99	JERRY DONOVAN	USA
3:33.27	PAUL KRUP	USA	36.43	BERT KASSELL	USA	1:57.68	SYD HENDY	USA	4:29.41	FRANK TILLOTSON	USA
3:35.96	EARL MCCULLOUGH	USA	36.58	WILLIAM GRANT	USA	2:05.86	WALTER SOMPAYRAC	USA	4:32.47	JOHN M. BURNSIDE	USA
3:43.50	AUGUSTO ROMANO	ITA	37.91	GERSON SOBEL	USA	200 M.	BACK		5:46.00	CARLO GUERELLO	ITA
3:50.97	TOM LIND	USA	39.45	USHIMI NOBJO	JPN	3:38.14	YONEDA TOKUSHI	JPN	7:14.92	G. COZINS	AUS
3:52.41	GEORGE HUBBELL	USA	40.23	BOB TAYLOR	GBR	3:46.84	HANNE SCHWARZ	FRG	400 M.	I.M.	
3:58.63	NELSON OTIS	USA	41.15	DAVID MALBROUGH	USA	3:59.04	DAVID MALBROUGH	USA	8:56.89	CARL THORNBURG	USA
4:04.98	FORBES MACK	USA	41.50	PASQUALE PIZZI	ITA	4:04.07	CARL THORNBURG	USA	9:29.93	JERRY DONOVAN	USA
4:06.98	BUD JACKSON	USA	42.10	LUIGI MITROVICH	ITA	4:04.57	MIKE OFFNER	USA			
50 M.	FLY		100 M.	FREE		4:07.22	WOODY BOWERSOCK	USA	*****		
38.14	RAYMOND TAFT	USA	1:18.23	KELLEY LEMMON	USA	4:10.39	FRANK TILLOTSON	USA	M E N 80-84		
38.59	PAUL KRUP	USA	1:21.44	DEXTER WOODFORD	USA	4:10.99	SYD HENDY	USA	*****		
41.01	HARLWELL MOSLEY	USA	1:23.73	WOODY BOWERSOCK	USA	4:14.67	WALTER SOMPAYRAC	USA	50 M.	FREE	
41.34	WILLIAM JOHNSTON	USA	1:24.18	NILS FERM	SWE	4:17.61	OTTO WULFF	USA	40.50	F. GRIFFITHS	AUS
41.84	FRANK HAVLICEK	USA	1:27.14	GERSON SOBEL	USA	50 M.	BRST		42.24	JIM PENFIELD	USA
42.04	A.VANDE WEGHE	USA	1:28.99	WILLIAM GRANT	USA	45.73	KELLEY LEMMON	USA	42.30	ROBERT NELSON	USA
42.05	C. TOMPKINS	AUS	1:32.64	USHIMI NOBUO	JPN	46.13	MIKE OFFNER	USA	42.96	BILL FARRELL	NZL
42.76	J. JENKINS	AUS	1:34.67	BOB TAYLOR	GBR	46.31	JERRY EVERALL	USA	43.45	WILLIAM MARQUETTE	USA



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44.95	C. JARDINE	AUS	2:41.29	ALFRED GUTH	USA	RELAYS: WOMEN 200 M. FREE	LYNN HOEHN
45.21	JOHN MAXWELL	USA	2:47.96	SIG LOEFFLER	USA	*****	PATRICIA HORNER
46.40	LUIGI DAVOGLIO	ITA	4:16.53	LAWRENCE LAXTON	GBR	AGE 100-119	CHERYL BATH
47.31	R. WILLIAMS	AUS	200 M. BRST		SWISS COTTAGE	GRB 2:02.53	CINDY LIPMAN
48.82	DON NEEFE	USA	5:03.07	F. GRIFFITHS	AUS		
100 M. FREE			5:03.34	WILLIAM SHARE	USA	SAC	USA 2:02.59
1:35.10	F. GRIFFITHS	AUS	5:17.06	ABE OLANOFF	USA	JEANNE OBRIEN	DCM
1:40.52	JIM PENFIELD	USA	5:26.26	KENNOSUKE KOYAMA	JPN	ROBIN KALMAN	USA 2:01.10
1:40.99	ROBERT NELSON	USA	5:27.43	ALLAN HEPBURN	NZL	ANNE O'KEEFE	SUSAN SKIFF
1:46.30	JOHN MAXWELL	USA	6:04.56	ALFRED GUTH	USA	MAUREEN CANTWELL	BARBARA ZAREMSKI
1:51.91	BILL FARRELL	NZL	50 M. FLY		OHIO MASTERS	USA 2:11.41	JAYNE BRUNER
1:55.56	R. WILLIAMS	AUS	1:00.50	LUIGI DAVOGLIO	ITA	JANE MOLINA	JACKI HIRSTY
1:57.80	OSVALDO BAICCHI	ITA	1:04.93	F. GRIFFITHS	AUS	PAT BOWDITCH	GISA "A"
1:58.38	DON NEEFE	USA	1:26.02	ABE OLANOFF	USA	CYNTHIA MURPHY	USA 2:05.84
1:59.41	JOHN NEWTON	USA	1:26.36	DON NEEFE	USA	BECKY POLLACK	JOAN DIERCKS
2:03.93	ROBERT BURNS	USA	100 M. I.M.		LONGHORN AQUATI	USA 2:14.04	SALLY HASBROOK
200 M. FREE			2:12.10	LUIGI DAVOGLIO	ITA	HUDDIE MURRY	BEETS CALABRESE
4:08.70	ALFREDO CHERCHI	ITA	2:37.01	BILL FARRELL	NZL	MARY HUGHES	SHARON WISE
4:22.61	JOHN MAXWELL	USA	2:52.80	DON NEEFE	USA	KATHY SCRUGGS	LINC "A"
4:35.18	BILL FARRELL	NZL	3:01.00	R. WILLIAMS	AUS	SALLY SOCHER	USA 2:06.48
4:39.00	OSVALDO BAICCHI	ITA			GISA "A"	USA 2:20.46	MARY POHLMANN
4:40.15	R. WILLIAMS	AUS	*****		K. HOFSTETTER		BETTY BENNETT
4:43.85	DON NEEFE	USA	M E N 85-89		CHERYL ATCHLEY		IRENE DAVID
4:47.02	PETER JURCZYK	USA	*****		ANNE-MARIE THORP		COLLEEN MALMEN
4:49.25	ROBERT BURNS	USA	50 M. FREE		ANNE HEALEY		HUN SB
4:55.78	JOE KAUFMAN	USA	44.61	GUS LANGNER	USA	LAKE	USA 2:21.57
4:58.00	JOHN NEWTON	USA	53.21	MANLIO COSTOLI	ITA	DIANE BLYTHE	EMP
400 M. FREE			100 M. FREE		LINDA HUBBUCH		USA 2:13.65
8:25.90	ALFREDO CHERCHI	ITA	1:41.46	GUS LANGNER	USA	GINA GATTI	BARBARA CRONIN
9:16.92	JOHN MAXWELL	USA	2:08.40	MANLIO COSTOLI	ITA	MARY MULLINS	ALICE JONES
9:39.79	DON NEEFE	USA	200 M. FREE		GISA "B"	USA 2:21.80	J. MURPHY-SHERMAN
10:18.16	R. WILLIAMS	AUS	3:48.20	GUS LANGNER	USA	KELLY MARIE HOLT	MARTON MILNER
10:32.62	JOHN NEWTON	USA	4:58.06	MANLIO COSTOLI	ITA	RONNIE PHILBIN	ARIZ
13:47.29	ALFRED GUTH	USA	400 M. FREE		CINDY BUCHS		USA 2:16.84
800 M. FREE			7:59.39	GUS LANGNER	USA	ANN KRUG	JANET GETTLING
23:21.77	ALFRED GUTH	USA	800 M. FREE		AGE 120-159		JONELLE SCHMIDT
1500 M. FREE			16:56.42	GUS LANGNER	USA	SLAM	USA 2:18.34
60:25.59	ALFRED GUTH	USA	50 M. BACK		SUSAN RICHMOND	USA 1:58.02	LIN JENKINS
50 M. BACK			1:10.79	GUS LANGNER	USA	CATHERINE KOHN	EDIE GRUENDER
51.92	LEE STAR	USA	100 M. BACK		LESLIE COOPER		SCAQ "B"
52.49	BILL FARRELL	NZL	2:43.13	GUS LANGNER	USA	JEANNE HANISCH	USA 2:18.34
56.15	WILLIAM MARQUETTE	USA	200 M. BACK		SCAQ "A"	USA 2:00.22	SHANNON SULLIVAN
57.00	OSVALDO BAICCHI	ITA	6:00.26	GUS LANGNER	USA	CYNTHIA GRIFFITH	ANNE ADAMS
1:00.67	PETER JURCZYK	USA	50 M. BRST		MARY KLAUS-MARTIN		MARTHA RASER
1:04.29	WILLIAM SHARE	USA	1:08.69	GUS LANGNER	USA	KAREN SCHMUHLE	DOROTHIANNE HENNE
1:04.33	ROBERT NELSON	USA	100 M. BRST		DIANE GRANER		ARIZONA MASTERS
1:04.75	F. GRIFFITHS	AUS	2:31.20	GUS LANGNER	USA	VMST	USA 2:20.24
1:05.17	DON NEEFE	USA	200 M. BRST		TERRY GAULT	USA 2:04.15	NANCY CIRCOSTA
1:07.67	C. JARDINE	AUS	5:43.49	GUS LANGNER	USA	JEANNE CROUSE	JANET GETTLING
100 M. BACK			50 M. FLY		NANCY MILLER		JUDY GILLIES
1:59.06	LEE STAR	USA	1:44.65	GUS LANGNER	USA	LISA BENNETT	JUDY SEARS
2:09.94	JIM PENFIELD	USA	100 M. I.M.		MBM	USA 2:07.84	SOUTH CITY
2:13.57	BILL FARRELL	NZL	2:42.82	GUS LANGNER	USA	S. CARLISLE-SELLAN	NZL 2:29.72
2:25.91	DON NEEFE	USA	*****		ANNE LABORWIT		KATHY HYDE
2:26.45	WILLIAM SHARE	ITA	M E N 90-94		JEANNE CRAIG		SUZANNE HEIM
2:32.50	OSVALDO BAICCHI	ITA	*****		ANITA ALLEN		NGAIRE STRICKLAND
2:35.66	JOE KAUFMAN	USA	50 M. FREE		BARNET COPTHALL	GBR 2:10.74	JUNE RALEIGH
200 M. BACK			50.57	L. SPARRIUS	NZL	SAC	LIVERPOOL
5:11.29	WILLIAM SHARE	USA	1:14.28	PAUL E. SPANGLER	USA	BARBARA MCNITT	GBR 2:38.06
5:14.44	DON NEEFE	USA	1:31.28	TOM LANE	USA	BARBARA HOYT	AGE 200-239
5:18.97	SIG LOEFFLER	USA	6:01.39	PAUL E. SPANGLER	USA	SUSAN A. MILLER	TAM
5:29.94	JOE KAUFMAN	USA	400 M. FREE		CYNTHIA BYRER		USA 2:11.64
50 M. BRST			11:09.76	PAUL E. SPANGLER	USA	BMSC	ANGELA KONIG
53.28	KENNOSUKE KOYAMA	JPN	1500 M. FREE		DONNA FISHBACK	USA 2:10.93	LAVERNE ADAMS
55.32	JIM PENFIELD	USA	55:20.27	PAUL E. SPANGLER	USA	SHERYL MORITZ	SPERRY RADEMAKER
58.49	F. GRIFFITHS	AUS	50 M. BACK		PAIGE LINSKER		NANCY RIDOUT
1:01.97	ALLAN HEPBURN	NZL	1:29.99	TOM LANE	USA	PAMELA FRIEL	GISA "A"
1:03.01	WILLIAM SHARE	USA	50 M. BRST		INLAND EMPIRE	USA 2:22.57	USA 2:29.05
1:06.55	ABE OLANOFF	USA	1:50.16	TOM LANE	USA	ELIN ZANDER	SANDY ETNYRE
1:08.09	CZESLAW KOZLOWSKI	GBR	*****		K. KINKADE-SCHALL		SHIRLEY SCOTT
1:11.91	ROBERT BURNS	USA	M E N 95-99		CAROLYN KENT		MARGIE HEINEMAN
1:15.50	C. JARDINE	AUS	*****		SHARON SCHNEIDER		LORRAINE SHAFFER
1:24.73	ALFRED GUTH	USA	*****		WISCONSIN MASTE	USA 2:32.85	OHIO
100 M. BRST			M E N 100-104		CONNIE GUIST		USA 2:40.00
2:09.01	JIM PENFIELD	USA	*****		KRISTIN KOEFFLER		SYLVIA HILL
2:09.86	KENNOSUKE KOYAMA	JPN	*****		COLLEEN MOORE		LUISE EASTON
2:19.16	WILLIAM SHARE	USA	*****		ANNETTE GREIS		BETTY RUSS
2:22.32	ALLAN HEPBURN	NZL	*****		TOLEDO YWCA	USA 2:40.49	GLORIA BRITTON
2:27.40	LUIGI DAVOGLIO	ITA	*****				BECKENHAM
2:27.68	ABE OLANOFF	USA	*****				GBR 2:41.85



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LUISE EASTON NANCY WAITE WISCONSIN MASTE USA 3:13.26 MARGIE SIMSIC S.HASSELBACHER FRAN ZEUMER BETTY KENDALL OREGON USA 3:16.86 VIOLA FRASER LISA PARKER MARGARET JUENKE GAIL KIMBERLING NEWP USA 3:38.80 VALESKA M. WOLF VIRGINIA M. CLARK GLORIA MARIENTHAL KATHY DIXON WYMC USA 3:40.56 CAROLYN PITTMAN BETTY MARSH NANGEE MORRISON PEGGY MARSH AGE 240-279 LINC USA 3:08.49 RITA COSTELLO ELIZABETH COLBURN JEANETTE FRENZER LOUISE DONOVAN VMST USA 3:08.69 ROBERTA SUGDEN RHEA WILKINS MARIE KELLEHER LUCILLE GRIFFIN SAN DIEGO USA 3:09.48 DIANA SILVA ALICIA COLEMAN VIOLA THOMPSON ROBERTA TURCOTTE WISCONSIN MASTE USA 3:13.26 MARGIE SIMSIC S.HASSELBACHER FRAN ZEUMER BETTY KENDALL BOLT USA 4:24.89 BETTY RUSSO ROSEMARY KARIKER JOYCE CONSTANCE CLAIRE ROACH AGE 280-319 WCM USA 3:16.06 MARY JANE REEVES JOY SALLY JEAN DURSTON JAE HOWELL LAKE USA 3:49.55 DOROTHY GILSDORF MARY ANN STONE DOROTHY RIORDAN MEME HABICH ***** RELAYS: WOMEN 200 M. MEDLEY ***** AGE 100-119 SWISS COTTAGE GBR 2:13.96 SAC USA 2:24.69 JEANNE O'BRIEN ROBIN KALMAN ANNE O'KEEFE MAUREEN CANTWELL LAKE USA 2:27.11 MARY GRAVES MARY THOMAS GINA GATTI DIANE BLYTHE LONGHORN AQUATI USA 2:29.05 KATHY SCRUGGS HUDDIE MURRY	SALLY SOCHER MARY HUGHES OHIO MASTERS USA 2:29.64 PAT BOWDITCH BECKY POLLACK JANE MOLINA CYNTHIA MURPHY CHAPEL HILL USA 2:36.77 CINDY BAKER J.EDMUNDSON SHERYL WATKINS SUZANNE CORR INLAND EMPIRE USA 2:54.58 SHARON SCHNEIDER ELIN ZANDER JEMA ALLEN SARA MCCARTHY WEST AUCKLAND NZL 3:06.77 MAXINE MULLER ALISON ROBERTSON DIANNE BELL JULIET LEONARD AGE 120-159 SLAM USA 2:13.77 CATHERINE KOHN JEANNE HANISCH SUSAN RICHMOND LESLIE COOPER SCAQ "A" USA 2:15.67 DIANE GRANER CYNTHIA GRIFFITH KAREN SCHMUHLE MARY KLAUS-MARTIN OKLAHOMA USA 2:24.69 LOUISE STACY JANET LATHAM ANITA WALKER K.KEFFER-SHARPE KINGSTON ROYALS GBR 2:28.12 GISA "A" USA 2:31.09 K.HOFSTETTER JEAN TRACY ANN KRUG ANNE HEALEY HEARTLAND USA 2:31.51 SUE TOLMAN SHERRY BROTHERS KATHLEEN VANCURA LISA GODLEY MISSION USA 2:31.87 CORDIE MCMAHON ANITA ALLEN S.CARLISLE-SELLAN ANNE LABORWIT SAC USA 2:34.98 BARBARA MCNITT BARBARA HOYT SUSAN A. MILLER CYNTHIA BYRER INLAND EMPIRE USA 2:37.91 JOAN NESLUND VICKI MARSH CAROLYN KENT ROBIN DURANT VMST USA 2:38.70 SALLY BRUCE RHEA WILKINS TERRY GAULT JEANNE CROUSE AGE 160-199 HUN SB HUN 2:19.38 MARTA EGERVARY KATALIN CSAPO ISTUANN HIKADE MAGDOLNA PATOH DCM USA 2:19.83 SUSAN SKIFF	JOANN LEILICH JAYNE BRUNER JACKI HIRSTY LINC "A" USA 2:20.70 JENNIFER HORVATH BETTY BENNETT IRENE DAVID COLLEEN MALMEN GISA "A" USA 2:28.28 SHARON WISE SALLY HASBROOK JOAN DIERCKS BEETS CALABRESE EMP USA 2:40.13 J.MURPHY-SHERMAN ALICE JONES BARBARA CROWIN LIDA GASCHKE ST PETE USA 2:47.36 MARY BARKER SANDY STEER JAYNE LAMBKE ELAINE BROMWICH LINC "B" USA 2:55.12 NANCY STUPKA SHIRLEY KING INGRID STINE CAROL SCHMIDT INLAND EMPIRE USA 2:56.27 MARILYN KOKOT MILLIE WOLTERS LAURIE NELSON HEATHER HENAGER LIVERPOOL GBR 2:56.71 WISCONSIN MASTE USA 2:58.85 CONNIE GUIST MARGIE SIMSIC PATRICIA ALARIE NANCY KRANPITZ AGE 200-239 TAM USA 2:34.15 LAVERNE ADAMS NANCY RIDOUT SPERRY RADEMAKER ANGELA KONIG NEM USA 2:40.22 CLARA WALKER NANCI SIROIS SUE TENDY B.ANN BURRILL VMST USA 2:41.13 LUCILLE GRIFFIN LISA BENNETT NANCY MILLER MARIE KELLEHER SCAQ "A" USA 2:46.96 DOROTHIANNE HENNE HELEN GEOFFRION ANNE ADAMS JOAN JETER AUSTENACEOUS USA 2:51.35 SUE BILICH ANNE LASSITER LILLIE THOMPSON HELEN COX BECKENHAM GBR 3:00.30 LINC "A" USA 3:13.74 HENRIETTA BERNING URSULA HARRIS DONNA SCOTT JEANETTE FRENZER OHIO MASTERS USA 3:14.55 DORIS LOCKER MARIANNE BROGAN BETTY RUSS LUISE EASTON MO-VALLEY USA 3:15.91	SHIRLY KING MARTHA HOLMES FLAVIA MCBRIDE BETTY CHRISTIAN GISA "A" USA 3:23.30 CATHY HOLDT BEVERLY ARNOLD SHIRLEY SCOTT SHARON RICHARDS AGE 240-279 SAN DIEGO USA 3:25.67 ROBERTA TURCOTTE ALICIA COLEMAN VIOLA THOMPSON DIANA SILVA ST PETE MASTERS USA 3:45.24 MARJORIE NEWMAN GERTRUD ZINT JUNE REYNOLDS JOAN GLARATON BOLT USA 5:02.22 CLAIRE ROACH BETTY RUSSO ROSEMARY KARIKER JOYCE CONSTANCE AGE 280-319 WCM USA 3:45.54 JEAN DURSTON JOY SALLY JAE HOWELL MARY JANE REEVES LAKE USA 4:40.41 DOROTHY GILSDORF MARY ANN STONE DOROTHY RIORDAN MEME HABICH ***** RELAYS: M E N 200 M. FREE ***** AGE 100-119 NOTTINGHAM GBR 1:39.62 LAKE USA 1:40.98 ROBERT PEARSON MICHAEL HIGGS KIRK BUESE SAM BLYTHE SCAQ USA 1:44.20 PETER MCCLAFFERTY RICHARD JENSSEN WILL D. DOUGLAS FRANK A. WASKO BMSC USA 1:48.41 GREGG SAFFELL ANDREW CINOMAN ANDREW PALMER JOSEPH REINHARDT MECKLENBURG USA 1:57.05 TRACY READING CHUCK SPELL PETER HATHEWAY JEFF WELLER BMSC USA 1:59.64 JAY YOUNG TOM TRACE MICHAEL GALLAGHER PAUL GILLIGAN OKLAHOMA USA 2:08.30 GREGG LYNN WOODY ACTION CLAY SHEAR KERRY STEWART AGE 120-159 GCWP USA 1:38.93 SCOTT BECKER BRIAN GOODELL JAY HERSEY
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FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1989

LYLE NALLI SCAQ USA 1:39.96	SPENCER GBR 1:56.68	ROY STICKNEY EDWARD HABAN WARREN FOSTER BOLT USA 3:24.92	JOHN MCMAHON THOMAS FERRIN R. HOFFSTETTER SCAQ USA 1:58.08
PETER MCCLAFFERTY WILL DOUGLASS CLAY EVANS RANDY MILLER GISA "A" USA 1:40.68	ARIZ USA 1:57.58 DAVE GEMMILL THOMAS BOYA DANIEL GRUENDER ANDREW MCPHERSON	CARL POOL MIKE OFFNER BOB ALLEN FRED FAUCHEUX	WILL DOUGLASS WAYNE SMITH RANDY MILLER PETER MCCLAFFERTY ORLANDO USA 1:59.39
R. HOFFSTETTER JOHN MCMAHON PETER VOSS THOMAS FERRIN TEXS USA 1:42.43	AGE 200-239 LAM USA 1:48.34 ROBERT PROEBSTING EDWARD CAZALET JOHN RICHARDS DICK THOMAS	AGE 280-319 OHIO USA 2:22.90 NELSON OTIS DEXTER WOODFORD PAUL KRUP JOHN DAILY	STEVE BARNICOAT DAVID WESLEY M. SHEPARDSON RONALD MACDONALD VMST USA 2:03.64
MEL NASH PAUL COPELLO DOUGLAS FLECK LARRY WOOD VMST USA 1:46.70	HLJ USA 1:50.86 JOHN SMITH JACK BEATTIE MARK EBEL BOB BAILIE	LBM USA 2:28.85 BRION WINSHIP JACK GARNAUS WOODY BOWERSOCK JURGEN B. SCHMIDT	JIM MILLER ROBERT ETKINS JAMES BRINKMAN JAMES MCFARLAND ANDERSON USA 2:07.10
JIM MILLER JAMES MCFARLAND JAMES BRINKMAN ROBERT ETKINS LONGHORN AQUATI USA 1:47.78	SCAQ USA 1:54.26 PAUL HENNE BOO GALLAS JERRY DUNLAP GEORGE BRINTON	LINC "A" USA 2:51.86 ELMER PIERCE REGINALD MCHUGH JERRY DONOVAN ROBERT DONOVAN	HERB STEVENS STAN FRIED TOMMY DRAWDY DOUG CHURCH GISA "B" USA 2:07.64
MICHAEL GIROD DUDLEY MCCALLA GREG STEFFEN DAN THOMPSON MYAJ USA 1:51.43	MICH USA 1:56.57 CHARLES MOSS ROBERT ISBISTER DOUGLAS MARKUSIC JOHN WAGNER	***** RELAYS: M E N 200 M. MEDLEY ***** AGE 100-119 SCAQ USA 1:53.44	GARY HALBERSTADT ROBERT DICKSON DAVE OPLINGER MARK SHIREY TOLEDO YWCA USA 2:08.78
BOB HUGHES RANDY SCHMIDT RICK LAUDUN CHRIS PRATOR SPENCER GBR 1:53.73	OREG USA 1:56.70 RONALD NAKATA ERIC GUEST KEVIN KELLY RICHARD BOYD	WILL D. DOUGLAS PETER MCCLAFFERTY FRANK A. WASKO ROBERT A. KILROY NOTTINGHAM GBR 1:53.62	DAVID HULTQUIST THOMAS VOLLMER JAMES SMOROGIEWCZ DEAN KAHREMANIS
BRM USA 1:53.99 HENRY PERE JAMES BARTON GRAHAM STEWART SCOTT RABALAIS	SPENCER GBR 1:56.91	BMSC USA 2:03.47 JOSEPH REINHARDT ANDREW CINOMAN GREGG SAFFELL JAY YOUNG	AGE 160-199 SCAQ USA 1:57.12 CLAY EVANS PAUL HENNE WILL D. DOUGLAS JERALD V. DUNLAP
AGE 160-199 4MM USA 1:42.57 CHUCK WOLFF BOB PATTEN SR. ROBERT BALL RIC COOLEY	SWOM USA 2:00.12 JOSEPH LAMMERT ROBERT KOENIG JON HEIMANN YOSHI OYAKAWA	OREGON USA 2:04.67 ROGER MARTIN JOHN ZELL STEPHEN HARGER DAVID HARGER	GISA "A" USA 1:58.63 ROGER JONES WILLIAM CONDON BILL VICKERY JEFFREY COOKE
GISA "A" USA 1:42.80 WILLIAM CONDON ROGER JONES JEFFREY COOKE BILL VICKERY	GISA "B" USA 2:07.58 JOHN FASTRICH BUDDY COLLINS IVAN CHALFIE CHARLES LEE	LONGHORN AQUATI USA 2:07.43 CRAIG WEBER MICHAEL GIROD GREG STEFFEN DUDLEY MCCALLA	RMM USA 1:59.14 CHUCK WOLFF ROBERT BALL BOB PATTEN SR. RIC COOLEY
OHIO USA 1:44.70 HARRY GREENFIELD KARL LAWALL PATRICK SAVAGE RICHARD BAUSCHARD	ST PETE MASTERS USA 2:13.08 HAROLD FERRIS ARTHUR FRIEDLAND RAY BURNS WAYNE REILLY	SYLVANIA MASTER USA 2:11.99 TOM CROOK RICK ROPKA MICHAEL GUINNESS CEDRIC DORCAS	LAKE USA 1:59.41 WILLIAM TINGLEY JAMES GOODWIN PHILLIP RONNIGER JOHN NOLAN
LINC USA 1:46.39 DAVID TOLER RAY PADOVAN HOWARD BUNCH LARRY GOOD	ANDERSON USA 2:15.71 DARRELL WERTS STEVE WYCOFF KEVIN HANLON CHUCK ANDREWS	INLAND EMPIRE USA 2:14.06 KEVIN LAFAVE BRIAN RIBA STEVE SILVER BOB PANICO	HUN SB HUN 2:00.02 JOZSEF CSIKANY ALADAR FILEP JANOS KIRICSI LASZLO SZLAMKA
NEM USA 1:46.89 ELIAS MCQUADE DANIEL ROGACKI FREDERICK HAARTZ HOMER LANE	AGE 240-279 GISA "A" USA 2:10.99 ROBERT RISLEY ALBERT EBBINGHAUS DOUGLAS SCOTT MEL GOLDSTEIN	OKLAHOMA USA 2:17.32 GREGG LYNN KERRY STEWART CLAY SHEAR WOODY ACTION	NEM USA 2:01.70 KEVIN FISHER FREDERICK HAARTZ ELIAS MCQUADE HOMER LAND
LAKE USA 1:48.51 JOHN NOLAN WILLIAM TINGLEY PHILLIP RONNIGER GLENN HUBBUCH	WMAC USA 2:11.54 ROBERT WHITE JOHN BAUMAN LYNN SURLS PERRY ROCKWELL	AGE 120-159 GCWP USA 1:50.73 BRIAN GOODELL SCOTT BECKER JAY HERSEY LYLE NALLI	OHIO USA 2:02.20 KARL LAWALL DANIEL PER-LEE HARRY GREENFIELD RICHARD BAUSCHARD
SWOM USA 1:50.05 RODGER WALK RICHARD LAMEIER DANIEL WHITELEY ARLAN GRAHAM	SLAM USA 2:16.57 WILLIAM GRANT ART KELLEY BENTON WADDELL ROBERT BLAKE	TEXS USA 1:52.19 MEL NASH RICHARD ENRIGHT DOUGLAS FLECK LARRY WOOD	HEARTLAND USA 2:03.91 RONALD CATTON TERRY THOMPSON RONALD WILLIAMSON LEE MENCH
HUN SB HUN 1:51.63 ALADAR FILEP LAJOS VARSZEGI JANOS KIRICSI LASZLO SZLAMKA	BOLT USA 2:19.07 DICK BOWER RICHARD DANIEL BOB RODRIGUE ELMER FROST	GISA "A" USA 1:52.20 ROBERT THOMAS	SPENCER GBR 2:08.77 GISA "B" USA 2:11.18 RAYMOND LOHSL JAMES KYTTA
	BMSC USA 2:21.36 JOHN FLORANCE		



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JOHN FASTRICH CHARLES LEE				BOB MERRICK STEVEN SCHOFIELD GEORGE M. BRINTON		MEL NASH MBM	USA 1:49.75	TOM COWDELL MARK SAUNDERS KATHY STEED	
AGE 200-239				SLAM	USA 2:41.20	JAMES LAMONTAGNE		SOUTH CITY	NZL 2:11.91
LAM	USA 2:02.44			BENTON WADDELL		JEANNE CRAIG		TONY RAUDON	
DICK THOMAS				DON CLOONEY		S. CARLISLE-SELLAN		MURRAY COULTER	
THOMAS BOAK JR.				ART KELLEY		JIM TUCKER		KATHY HYDE	
ROBERT PROEBSTING				WILLIAM GRANT		CONN	USA 1:54.69	NGAIRE STRICKLAND	
JOHN RICHARDS				BMSC	USA 2:58.26	MAUREEN MORTELL		WISCONSIN MASTE	USA 2:13.65
GISA "A"	USA 2:07.58			EDWARD HABAN		KATHERINE BRANCH		DICK PITMAN	
BILL WOOD				JOHN FLORANCE		PETER CRUMBINE		EDITH JACOBSEN	
DAVID COSTILL				ROY STICKNEY		MICHAEL LAUX		BARBARA GREENMAN	
CEDOMIR ZLATIC				WARREN FOSTER		GISA "A"	USA 1:56.54	THOMAS MEEHAN	
MARTY MENNEN				WISCONSIN MASTE	USA 3:13.50	R. HOFFSTETTER			
SPENCER	GBR 2:13.24			HARLAN DRAKE		ANNE-MARIE THORP		AGE 200-239	
LINC	USA 2:13.26			DONALD KILB		ANNE HEALEY		LINC "A"	USA 1:57.25
LARRY GOOD				JOHN BAUMAN		MIKE MILES		PAUL HUTINGER	
WILLIAM MULLIKEN				JIM SENER		VMST	USA 1:57.04	IRENE DAVID	
RAY PADOVAN				NORTH SHORE	NZL 3:20.40	JAMES BRINKMAN		COLLEEN MALMEN	
R. SCHEIDELMAN				DICK CHATFIELD		ROBERT ETKINS		RAY PADOVAN	
SWOM	USA 2:13.88			LES O'DONNELL		SALLY BRUCE		DCM	USA 1:59.93
JON HEIMANN				JIM RAE		JEANNE CROUSE		JOHN WOODS	
ROBERT KOENIG				DON BIDWELL		SCAQ	USA 1:57.50	SUSAN SKIFF	
JOSEPH LAMMERT				AGE 280-319		PAUL HENNE		JAYNE BRUNER	
YOSHI OYAKAWA				OHIO	USA 2:45.43	RANDY MILLER		WILLIAM NEWMAN	
CONN	USA 2:14.91			JOHN DAILY		CYNTHIA GRIFFITH		TAM	USA 2:02.00
ELLIOTT SCHOFIELD				PAUL KRUP		SHANNON SULLIVAN		ANGELA KONIG	
MANUEL SANGUILY				ANTON CERER		WSM	USA 1:57.78	DORE SCHWAB JR.	
DAVE SAMUELSON				DEXTER WOODFORD		BONNIE L. DURDY		NANCY RIDOUT	
MICHAEL LAUX				LBM	USA 3:03.12	C SHIGAKI-IWAMOTO		RICHARD BURNS	
OREG	USA 2:16.04			BRION WINSHIP		LEVERETTE BATES		SCAQ "A"	USA 2:04.00
RICHARD BOYD				JOHN M. BURNSIDE		NORTH SHORE	NZL 1:57.92	DIANE GRANER	
ERIC GUEST				JURGEN B. SCHMIDT		ROBIN HERRING		JERRY DUNLAP	
RONALD NAKATA				WOODY BOWERSOCK		BERNADETTE RAE		ANNE ADAMS	
KEVIN KELLY				LINC	USA 3:19.87	JOHN FISHER		GEORGE BRINTON	
HOLMES LUMBER	USA 2:24.72			PAUL MENZIES		NOEL GRACIE		OREG	USA 2:05.00
VIRGIL DANIELS				HENNING ANDERSON		OHIO MASTERS	USA 2:00.34	GINGER PIERSON	
TELFAR MAHAFFY				REGINALD MCHUGH		CYNTHIA MURPHY		BARBARA FRID	
ERNIE LESKOVITZ				ELMER PIERCE		AUSTIN ST. JOHN		ERIC GUEST	
HARWELL MOSLEY				LINC "A"	USA 3:34.48	JANE MOLINA		RONALD NAKATA	
GISA "B"	USA 2:27.72			JERRY DONOVAN		MIKE SAVAGE		SAN DIEGO SWIM	USA 2:05.89
DOUGLAS CHURCH				ROBERT DONOVAN		NOVA	USA 2:00.85	BILL EARLEY	
IVAN CHALFIE				BOB MORSE		PRESTON W. DRAKE		SUSAN RITTENHOUSE	
ED JOHNSON				ROBERT BEAL		SHERI F. HORWITZ		BARBARA G DUNBAR	
ALBERT EBBINGHAUS				*****		LIBBY ROBERTS		DONALD BAKER	
ULTRA SWIM	USA 2:31.28			RELAYS: MIXED 200 M. FREE		DAVID J. DALY		NEM	USA 2:07.31
JOHN EBERLY				*****		AGE 160-199		ELIAS MCQUADE	
JIM NELSON				AGE 100-119		GISA "A"	USA 1:50.55	HOMER LAND	
KEN MILLER				ALASKA	USA 1:47.91	BILL VICKERY		CLARA WALKER	
BILL MONROE				L HASSELQUIST		SHARON WISE		B. ANN BURRILL	
AGE 240-279				BRUCE JONES		SALLY HASBROOK		ST PETE MASTERS	USA 2:15.26
GISA "A"	USA 2:21.09			JANE PARIS		BILL WOOD		HAROLD FERRIS	
JOHN DILLEY				TOM ROTH		HUN SB	HUN 1:55.81	MARY BAKER	
DOUGLAS SCOTT				LAKE	USA 1:48.84	ALADAR FILEP		JAYNE LAMBEKE	
MEL GOLDSTEIN				MICHAEL HIGGS		ISTUANNE HIKADE		RAY BURNS	
DICK WEBBER				SAM BLYTHE		LASZLO SZLAMKA		GISA "A"	USA 2:23.71
LINC	USA 2:21.63			GINA GATTI		MAGDOLNA PATOH		TIMOTHY REIMAN	
GEORGE GANDSEY				DIANE BLYTHE		SCAQ "B"	USA 1:58.25	SANDY ETNYRE	
GERRY HIETALA				SBAY	USA 1:54.74	WILL DOUGLASS		MARY JO LOWE	
PAUL HUTINGER				ROGER R. BARTELS		JOAN JETER		BUDDY COLLINS	
H. SEEGER				HILARY BARTELS		CLAY EVANS		RALEIGH AREA	USA 2:25.31
OREGON	USA 2:24.09			SUSAN C. STORER		MARY KLAUS-MARTIN		BERNIECE GREETHAM	
EARL WALTER				ROBERT EBERWINE		LINC "A"	USA 2:00.00	CEIL BLACKWELL	
ROBERT MORRISON				ULTRA SWIM	USA 1:58.70	MARY POHLMANN		DICK FAY	
STEPHEN WARNER				C. HARTZELL		LARRY GOOD		C. LE BOURGEOIS	
HUGH RICHARDS				DAVID BRIGGS		JENNIFER HORVATH		AGE 240-279	
WMAC	USA 2:24.23			DIANE GREEN		HOWARD BUNCH		SDSM	USA 2:33.33
ROBERT WHITE				TOM YOUNGER		GISA "B"	USA 2:00.66	KEN KIMBALL	
JOHN BAUMAN				AUSTENACEOUS A	USA 2:08.64	ROGER JONES		ALICIA COLEMAN	
PERRY ROCKWELL				ANDREA GEYLING		JOAN DIERCKS		ROBERTA TURCOTTE	
LYNN SURLS				RUSH RUSSELL		ANN KRUG		WILLIAM PHILLIPS	
BOLT	USA 2:34.20			STEPHNE CHILDS		CHARLES LEE		WMST	USA 2:34.80
BOB WIEGAND				JAY MCDONALD		SCAQ	USA 2:06.30	CHUCK WILMORE	
MIKE OFFNER				AGE 120-159		BOO GALLAS		LUCILLE GRIFFIN	
BOB REIMERS				TEXS	USA 1:48.60	KAREN SCHMUHLE		BJ HANSEN	
DICK BOWER				LESLIE OSBORNE		ART HALE		MARIE KELLEHER	
SCAQ	USA 2:40.65			LARRY WOOD		HELEN GEOFFRION		OHIO MASTERS	USA 2:45.59
RICHARD H. ROUSE				GAIL MEAKINS		DURHAM LIGHT	NZL 2:10.92	MARIANNE BROGAN	
						OLGA JOHNSON		LUISE EASTON	



FINA WORLD MASTERS TOP 10 - SHORT COURSE METERS 1989

DEXTER WOODFORD PAUL CRAGO GISA "A" USA 2:50.39 DICK WEBBER SHIRLEY SCOTT DOUGLAS SCOTT SHARON RICHARDS LINC USA 2:51.24 SUE MAHER ELMER PIERCE PAUL MENZIES DONNA SCOTT WISCONSIN MASTE USA 2:52.82 HARLAN DRAKE S.HASSELBACHER FRAN ZEUMER HENRY GRIESBACH GISA "B" USA 2:58.69 JOHN MAXWELL MURIEL DYKEMA JUTLA HOELLEIN ALBERT EBBINGHAUS PNA USA 3:00.92 KATHRINE CASEY JIM PENFIELD MAXINE CARLSON TOM FOLEY HOLMES USA 3:09.45 LORING HOLMES BILL CAMPBELL GERTRUD ZINT MARJORIE NEWMAN BOLT USA 3:26.94 CLAIRE ROACH ROSEMARY KARIKER MIKE OFFNER RICHARD DANIEL AGE 280-319 OHIO USA 2:56.35 SYLVIA HILL PAUL KRUP MARY CULHANE NELSON OTIS LAKE USA 3:12.59 MARY ANN STONE JOY SALLY ALBERT GILSDORF MEME HABICH ***** RELAYS: MIXED 200 M. MEDLEY ***** AGE 100-119 CONNECTICUT USA 2:11.15 SHELIA MORTELL JIM LOUGHLIN ALEX BUCUR BARBARA NATHAN GISA "A" USA 2:16.99 K.HOFSTETTER BILL VICKERY ANNE-MARIE THORP R.HOFFSTETTER GISA "B" USA 2:25.08 KELLY MARIE HOLT CINDY BUCHS ED JOHNSON ANDREW VOGEL GREENVILLE USA 2:28.25 CLAIRE RICHMOND DAVID RUSSELL KATIE MCNAMARA RICH MURPHY AGE 120-159 LAKE USA 1:58.28 WILLIAM TINGLEY GINA GATTI MICHAEL HIGGS MELINDA SCHMITT	SCAQ "A" USA 1:59.32 CLAY EVANS PETER MCCLAFFERTY DIANE GRANER SHANNON SULLIVAN TEXS USA 1:59.46 MEL NASH LESLIE OSBORNE LARRY WOOD GAIL MEAKINS VMST USA 2:04.94 ROBERT ETKINS LISA BENNETT JAMES BRINKMAN JEANNE CROUSE MBM USA 2:05.21 S.CARLISLE-SELLAN JAMES LAMONTAGNE JIM TUCKER ANNE LABORWIT SCAQ "B" USA 2:06.02 JEFF STRAND WILL DOUGLASS KAREN SCHMUHLE CYNTHIA GRIFFITH SBAY USA 2:16.87 ANN T. FINLEY ROGER R. BARTELS SUSAN C. STORER KEVIN J. MCNANNA LONGHORN AQUATI USA 2:17.23 MARCIA FERO DOUG DUWE MARK STORER JENNIFER THOMPSON GISA "A" USA 2:18.26 GARY HALBERSTADT JAMES KYTTA CHERYL ATCHLEY ANNE HEALEY CONN USA 2:18.99 BOB CAHILL STEVE BROKER AMY LEIB KATHY BRANCH AGE 160-199 HUN SB HUN 2:06.15 JOZSEF CSIKANY KATALIN CSAPO JANOS KIRICSI MAGDOLNA PATOH GISA "A" USA 2:07.18 THOMAS PERRIN SALLY HASBROOK ROGER JONES SHARON WISE ARIZ USA 2:08.70 ANDREW MCPHERSON JANET GETTLING DAVE GEMMILL JONELLE SCHMIDT LINC "A" USA 2:08.78 MARY POHLMANN DAVID TOLER HOWARD BUNCH COLLEEN MALMEN NORTH SHORE ITA 2:09.78 GLENDA BIDDLE BERNADETTE RAE IVAN JOHNSTONE PETER MCCLURE SAN DIEGO USA 2:14.60 MARILYN FINK WILLIAM STALLCUP ROBERT WILLIAMS BARBARA DUNBAR EMP USA 2:14.84 BARBARA CRONIN DRURY GALLAGHER	MARION MILNER RICHARD MONAHAN NEM USA 2:16.52 MARY GENTRY DANIEL ROGACKI ELIAS MCQUADE B.ANN BURRILL VMST USA 2:18.02 JIM MILLER NANCY MILLER TERRY GAULT ROBERT RIORDAN LAKE USA 2:21.19 THOMAS FINNEGAN MARY THOMAS PHILLIP RONNIGER WENDY HARVEY AGE 200-239 LINC "A" USA 2:15.20 BETTY BENNETT WILLIAM MULLIKEN IRENE DAVID PAUL HUTINGER NEM USA 2:17.89 CLARA WALKER FREDERICK HAARTZ SUE TENDY HOMER LANE OREG USA 2:18.49 BARBARA FRID GINGER PIERSON RONALD NAKATA ERIC GUEST TAM USA 2:21.75 RICHARD BURNS NANCY RIDOUT SPERRY RADEMAKER DORE SCHWAB JR. SCAQ "A" USA 2:22.32 DOROTHIANNE HENNE PAUL HENNE JERRY DUNLAP ANNE ADAMS SDSM USA 2:33.20 BILL EARLEY LLOYD SKRAMSTAD ADRIENNE PIPES SUSAN RITTENHOUSE GISBORNE NZL 2:44.43 JOHN PAGE BARRY MCLEAN MARIAN LEWES EDITH MARKIE WMAC USA 2:44.99 DORIS KLITZKE JOHN BAUMAN PERRY ROCKWELL MARGIE SIMSIC GISA "A" USA 2:45.43 JERRY MYERS MARY JO LOWE BARBARA LARSEN ALBERT EBBINGHAUS ADIRONDACK USA 2:52.30 ANNEMARIE BELLEM RAYMOND BELLEM PATRICK QUINN MARYLOU SCHULZ AGE 240-279 OHIO USA 2:41.87 BETTY RUSS PAUL KRUP GLORIA BRITTON GEORGE RAFTER VMST USA 2:54.59 LUCILLE GRIFFIN CHUCK WILMORE BJ HANSEN	MARIE KELLEHER GISA "A" USA 3:01.05 IVAN CHALFIE MARGIE HEINEMAN SHIRLEY SCOTT JOHN MAXWELL BOLT USA 3:03.24 ROBERT WIEGAND MIKE OFFNER B.BREISACHER ROSEMARY KARIKER OHIO MASTERS USA 3:11.43 LUISE EASTON PAUL CRAGO PIERCE BRAY BETTY KAKOS WISCONSIN MASTE USA 3:14.70 HENRY GRIESBACH FRAN ZEUMER JOHN BAUMAN S.HASSELBACHER GISA "B" USA 3:29.09 MURIEL DYKEMA DOUGLAS SCOTT ROBERT RISLEY SHARON RICHARDS INLAND EMPIRE USA 3:32.51 WIL DOLPHIN PEGGY KNOWLES BILL ODMAN MARILYN SISCO SUN CITY MASTER USA 4:08.87 NANCY MEISSER MILDRED McELHOSE EARL DICKEY JAMES DOHERTY BOLT USA 5:12.84 CLAIRE ROACH JOYCE CONSTANCE RICHARD DANIEL FRED FAUCHEUX AGE 280-319 LINC USA 3:25.48 ELIZABETH COLBURN ELMER PIERCE LOUISE DONOVAN ROBERT DONOVAN MISSION USA 4:34.82 MARION SOBEL BERNICE SOBEL RALPH ROGERS FREDERICK HAUFF
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