



IV FINA WORLD MASTERS CHAMPIONSHIPS - INDIANAPOLIS USA - JUNE 25 – JULY 5 1992

SWIMMING CHAMPIONSHIP RECORDS (CR) and WORLD RECORDS (WR)

WOMEN	25-29	50	M.	FREE	ANNA PETTIS-SCOTT	USA	27.06	CR
WOMEN	25-29	100	M.	BACK	HIROKO TAKUWA	JPN	1:07.20	CR
WOMEN	25-29	50	M.	BRST	BEATE STEINHOF	GER	33.88	CR
WOMEN	25-29	100	M.	BRST	BEATE STEINHOF	GER	1:16.88	CR
WOMEN	25-29	200	M.	BRST	BEATE STEINHOF	GER	2:48.83	CR
WOMEN	25-29	50	M.	FLY	ANNA PETTIS-SCOTT	USA	28.82	CR
WOMEN	30-34	200	M.	FREE	LYNN MARSHALL	CAN	2:09.12	CR
WOMEN	30-34	400	M.	FREE	LYNN MARSHALL	CAN	4:33.22	CR
WOMEN	30-34	800	M.	FREE	LYNN MARSHALL	CAN	9:16.82	CR WR
WOMEN	30-34	50	M.	FLY	BETH HARRELL	USA	29.22	CR WR
WOMEN	30-34	100	M.	FLY	BETH HARRELL	USA	1:06.08	CR WR
WOMEN	30-34	200	M.	FLY	DIANE BRADES	GBR	2:28.06	CR WR
WOMEN	30-34	400	M.	I.M.	DIANE BRADES	GBR	5:24.86	CR
WOMEN	35-39	200	M.	BACK	KAREN FARNSWORTH	USA	2:35.44	CR WR
WOMEN	35-39	50	M.	BRST	KAREN MELICK	USA	36.34	CR
WOMEN	35-39	100	M.	BRST	KAREN MELICK	USA	1:20.93	CR
WOMEN	35-39	200	M.	BRST	KAREN MELICK	USA	2:55.07	CR
WOMEN	35-39	400	M.	I.M.	KAREN FARNSWORTH	USA	5:34.47	CR WR
WOMEN	40-44	50	M.	BACK	JUDY STEFANICK	USA	34.49	CR
WOMEN	40-44	200	M.	BACK	JUDY STEFANICK	USA	2:45.63	CR
WOMEN	40-44	100	M.	BRST	A.WRIGHT-BELKNAP	USA	1:26.21	CR
WOMEN	40-44	200	M.	FLY	STEPHANIE WALSH	USA	2:50.03	CR
WOMEN	40-44	400	M.	I.M.	ANNE CORK	GBR	6:06.24	CR
WOMEN	45-49	50	M.	FREE	SHARON WISE	USA	30.48	CR
WOMEN	45-49	100	M.	FREE	SHARON WISE	USA	1:07.98	CR
WOMEN	45-49	200	M.	FREE	CAROLYN BOAK	USA	2:30.40	CR
WOMEN	45-49	400	M.	FREE	SANDRA O'NEIL	GBR	5:23.98	CR
WOMEN	45-49	800	M.	FREE	JANE KATZ	USA	11:19.29	CR
WOMEN	45-49	100	M.	BACK	SANDRA O'NEIL	GBR	1:19.54	CR
WOMEN	45-49	200	M.	BACK	SANDRA O'NEIL	GBR	2:50.27	CR WR
WOMEN	45-49	50	M.	BRST	H MCLAREN	RSA	38.73	CR
WOMEN	45-49	100	M.	BRST	CAROLYN BOAK	USA	1:26.67	CR WR
WOMEN	45-49	200	M.	BRST	CAROLYN BOAK	USA	3:09.19	CR WR
WOMEN	45-49	50	M.	FLY	SHARON WISE	USA	33.53	CR
WOMEN	45-49	100	M.	FLY	SHERRY PUTHOFF	USA	1:17.31	CR
WOMEN	45-49	200	M.	FLY	BERNICE WILKINS	GBR	3:03.63	CR
WOMEN	45-49	200	M.	I.M.	CAROLYN BOAK	USA	2:49.83	CR
WOMEN	45-49	400	M.	I.M.	BRIGITTE MERTEN	GER	6:06.83	CR
WOMEN	50-54	50	M.	FREE	ARDETH MUELLER	USA	30.04	CR WR
WOMEN	50-54	100	M.	FREE	ARDETH MUELLER	USA	1:07.42	CR WR
WOMEN	50-54	400	M.	FREE	ARDETH MUELLER	USA	5:20.09	CR
WOMEN	50-54	800	M.	FREE	BARBARA FRID	USA	11:55.90	CR
WOMEN	50-54	50	M.	BACK	WENDY ROSSER	RSA	37.61	CR
WOMEN	50-54	100	M.	BACK	WENDY ROSSER	RSA	1:23.99	CR
WOMEN	50-54	200	M.	BACK	WENDY ROSSER	RSA	3:06.28	CR
WOMEN	50-54	50	M.	BRST	MONIKA SENFTLEBEN	GER	39.68	CR
WOMEN	50-54	100	M.	BRST	E VAHRMEYER-LOSKA	NED	1:29.46	CR
WOMEN	50-54	200	M.	BRST	E VAHRMEYER-LOSKA	NED	3:19.33	CR
WOMEN	50-54	50	M.	FLY	NANCY RIDOUT	USA	35.04	CR
WOMEN	50-54	100	M.	FLY	NANCY RIDOUT	USA	1:22.02	CR
WOMEN	50-54	200	M.	FLY	ARDETH MUELLER	USA	2:52.71	CR
WOMEN	50-54	200	M.	I.M.	JUDITH VAN BERKEL	NED	3:08.31	CR
WOMEN	50-54	400	M.	I.M.	ARDETH MUELLER	USA	6:12.08	CR WR
WOMEN	55-59	50	M.	BACK	BETSY JORDAN	USA	37.30	CR WR
WOMEN	55-59	100	M.	BACK	BETSY JORDAN	USA	1:21.42	CR WR
WOMEN	55-59	200	M.	BACK	BETSY JORDAN	USA	2:59.18	CR WR
WOMEN	55-59	50	M.	FLY	HAIKE HOELER	GER	36.79	CR
WOMEN	55-59	100	M.	FLY	HAIKE HOELER	GER	1:28.28	CR
WOMEN	55-59	200	M.	I.M.	BETSY JORDAN	USA	3:09.94	CR
WOMEN	55-59	400	M.	I.M.	BETSY JORDAN	USA	6:47.64	CR
WOMEN	60-64	50	M.	FREE	JANE ASHER	GBR	33.60	CR WR



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WOMEN	60-64	100	M.	FREE	JANE ASHER	GBR	1:16.16	CR	
WOMEN	60-64	200	M.	FREE	JANE ASHER	GBR	2:51.82	CR	
WOMEN	60-64	50	M.	BACK	GRETHE BENDTSEN	DEN	40.86	CR	
WOMEN	60-64	100	M.	BACK	GRETHE BENDTSEN	DEN	1:30.22	CR	WR
WOMEN	60-64	200	M.	BACK	GRETHE BENDTSEN	DEN	3:16.48	CR	
WOMEN	60-64	200	M.	BRST	JUDIE OLIVER	CAN	3:36.87	CR	
WOMEN	60-64	100	M.	FLY	JUDIE OLIVER	CAN	1:31.52	CR	WR
WOMEN	60-64	200	M.	FLY	JUDIE OLIVER	CAN	3:28.58	CR	WR
WOMEN	65-69	50	M.	FREE	CLARA WALKER	USA	34.75	CR	WR
WOMEN	65-69	100	M.	FREE	CLARA WALKER	USA	1:16.84	CR	WR
WOMEN	65-69	200	M.	FREE	CLARA WALKER	USA	2:48.51	CR	WR
WOMEN	65-69	400	M.	FREE	CLARA WALKER	USA	6:09.08	CR	
WOMEN	65-69	50	M.	BACK	DORIS STEADMAN	USA	42.18	CR	
WOMEN	65-69	100	M.	BACK	DORIS STEADMAN	USA	1:34.06	CR	
WOMEN	65-69	200	M.	BACK	DORIS STEADMAN	USA	3:24.33	CR	
WOMEN	65-69	100	M.	BRST	L.BURG-BONNIER	NED	1:47.94	CR	
WOMEN	65-69	200	M.	BRST	L.BURG-BONNIER	NED	3:52.25	CR	
WOMEN	65-69	100	M.	FLY	JUNE KRAUSER	USA	1:42.39	CR	
WOMEN	65-69	200	M.	FLY	JUNE KRAUSER	USA	3:42.61	CR	WR
WOMEN	65-69	400	M.	I.M.	JUNE KRAUSER	USA	7:35.11	CR	
WOMEN	70-74	50	M.	FREE	OLGA JOHNSON	NZL	37.61	CR	WR
WOMEN	70-74	100	M.	FREE	CATHERINE KERR	CAN	1:28.07	CR	WR
WOMEN	70-74	200	M.	FREE	CATHERINE KERR	CAN	3:21.01	CR	WR
WOMEN	70-74	400	M.	FREE	CATHERINE KERR	CAN	7:15.99	CR	WR
WOMEN	70-74	50	M.	BACK	BUNNY CEDERLUND	USA	44.53	CR	WR
WOMEN	70-74	100	M.	BACK	BUNNY CEDERLUND	USA	1:45.29	CR	
WOMEN	70-74	200	M.	BACK	BUNNY CEDERLUND	USA	3:52.95	CR	
WOMEN	70-74	50	M.	BRST	INGEBORG FRITZE	GER	49.57	CR	WR
WOMEN	70-74	100	M.	BRST	BETTY CHRISTIAN	USA	1:52.88	CR	WR
WOMEN	70-74	200	M.	BRST	BETTY CHRISTIAN	USA	4:06.80	CR	WR
WOMEN	70-74	50	M.	FLY	CATHERINE KERR	CAN	46.55	CR	WR
WOMEN	70-74	200	M.	I.M.	CATHERINE KERR	CAN	3:51.91	CR	WR
WOMEN	75-79	200	M.	FREE	AUDREY ETIENNE	USA	3:54.32	CR	
WOMEN	75-79	400	M.	FREE	AUDREY ETIENNE	USA	8:12.41	CR	
WOMEN	75-79	100	M.	BACK	MARIA LENK	BRA	1:57.28	CR	
WOMEN	75-79	200	M.	BACK	MARIA LENK	BRA	4:14.54	CR	
WOMEN	75-79	100	M.	FLY	KAY SCHIMPF	USA	2:29.49	CR	
WOMEN	75-79	200	M.	FLY	ANNE WILDER	USA	5:59.57	CR	
WOMEN	75-79	400	M.	I.M.	KAY SCHIMPF	USA	10:33.95	CR	
WOMEN	80-84	50	M.	FREE	JULIA DOLCE	USA	51.66	CR	
WOMEN	80-84	50	M.	BACK	M.GOTTSCHALK	GER	1:07.89	CR	
WOMEN	80-84	100	M.	BACK	JULIA DOLCE	USA	2:31.45	CR	
WOMEN	80-84	50	M.	BRST	M.GOTTSCHALK	GER	1:13.44	CR	
WOMEN	80-84	100	M.	BRST	M.GOTTSCHALK	GER	2:46.16	CR	
WOMEN	80-84	200	M.	BRST	ELSA MATTILA	USA	5:57.66	CR	
WOMEN	80-84	50	M.	FLY	DOROTHY RIORDAN	USA	2:01.51	CR	
WOMEN	80-84	100	M.	FLY	ELSA MATTILA	USA	3:02.05	CR	
WOMEN	80-84	200	M.	FLY	ELSA MATTILA	USA	6:22.38	CR	
WOMEN	80-84	200	M.	I.M.	ELSA MATTILA	USA	5:37.82	CR	
WOMEN	80-84	400	M.	I.M.	ELSA MATTILA	USA	11:57.70	CR	
WOMEN	85-89	50	M.	FREE	AILEEN SOULE	USA	59.47	CR	
WOMEN	85-89	100	M.	FREE	AILEEN SOULE	USA	2:23.47	CR	
WOMEN	85-89	200	M.	FREE	AILEEN SOULE	USA	5:24.53	CR	
WOMEN	85-89	400	M.	FREE	MARIAN MCKECHNIE	USA	13:40.70	CR	
WOMEN	85-89	50	M.	BACK	AILEEN SOULE	USA	58.68	CR	
WOMEN	85-89	100	M.	BACK	AILEEN SOULE	USA	2:16.19	CR	
WOMEN	85-89	200	M.	BACK	AILEEN SOULE	USA	4:57.37	CR	
M E N	25-29	50	M.	FREE	OLAF AHLERS	GER	23.64	CR	
M E N	25-29	100	M.	FREE	OLAF AHLERS	GER	52.42	CR	
M E N	25-29	800	M.	FREE	JOHN PEARSON	USA	8:36.88	CR	
M E N	25-29	50	M.	BRST	DEWEY WYATT	USA	29.77	CR	WR



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M E N 25-29	50	M.	FLY	LARS HINNEBURG	GER	25.63	CR
M E N 25-29	200	M.	I.M.	ROLAND LEE	GBR	2:10.70	CR
M E N 30-34	50	M.	FREE	ROWDY GAINES	USA	23.94	CR
M E N 30-34	100	M.	BACK	DAVID LUNDBERG	USA	1:00.19	CR WR
M E N 30-34	50	M.	BRST	DAVID GUTHRIE	USA	29.42	CR WR
M E N 30-34	100	M.	BRST	DAVID LUNDBERG	USA	1:05.85	CR
M E N 30-34	200	M.	BRST	DAVID LUNDBERG	USA	2:24.66	CR
M E N 30-34	200	M.	I.M.	DAVID LUNDBERG	USA	2:10.68	CR
M E N 30-34	400	M.	I.M.	DAVID LUNDBERG	USA	4:40.44	CR WR
M E N 35-39	50	M.	FREE	ALEXEI MARKOVSKY	RUS	24.56	CR WR
M E N 35-39	100	M.	FREE	JAMES MONTGOMERY	USA	54.28	CR WR
M E N 35-39	200	M.	FREE	DAN STEPHENSEN	USA	1:57.95	CR WR
M E N 35-39	400	M.	FREE	DAN STEPHENSEN	USA	4:15.49	CR WR
M E N 35-39	800	M.	FREE	DAN STEPHENSEN	USA	8:52.22	CR WR
M E N 35-39	50	M.	BACK	MARK LIST	USA	29.09	CR
M E N 35-39	100	M.	BACK	WILL ARTLEY	USA	1:02.66	CR
M E N 35-39	200	M.	BACK	MARK LIST	USA	2:16.23	CR
M E N 35-39	50	M.	BRST	DOUG MALCOLM	USA	30.79	CR WR
M E N 35-39	100	M.	BRST	MARK SCHUMAN	USA	1:07.90	CR WR
M E N 35-39	200	M.	BRST	MARK SCHUMAN	USA	2:33.05	CR WR
M E N 35-39	50	M.	FLY	MARK SCHUMAN	USA	26.41	CR
M E N 35-39	100	M.	FLY	JAMES BELARDI	USA	58.08	CR WR
M E N 35-39	200	M.	FLY	JAMES BELARDI	USA	2:09.18	CR WR
M E N 35-39	200	M.	I.M.	MARK SCHUMAN	USA	2:16.49	CR WR
M E N 35-39	400	M.	I.M.	JAMES BELARDI	USA	4:55.13	CR WR
M E N 40-44	50	M.	FREE	TOM WHATLEY	USA	24.93	CR WR
M E N 40-44	100	M.	FREE	TERENCE DOWNES	RSA	56.01	CR WR
M E N 40-44	200	M.	FREE	TERENCE DOWNES	RSA	2:05.42	CR
M E N 40-44	400	M.	FREE	LORENZO MARUGO	ITA	4:31.17	CR WR
M E N 40-44	800	M.	FREE	YURI NIKOLAEV	RUS	9:31.53	CR
M E N 40-44	50	M.	BACK	CHUCK WOLFF	USA	30.25	CR
M E N 40-44	100	M.	BACK	CHUCK WOLFF	USA	1:04.80	CR
M E N 40-44	200	M.	BACK	CHUCK WOLFF	USA	2:23.66	CR
M E N 40-44	50	M.	BRST	PEDER DAHLBERG	USA	30.82	CR WR
M E N 40-44	100	M.	BRST	PEDER DAHLBERG	USA	1:09.95	CR WR
M E N 40-44	200	M.	BRST	PEDER DAHLBERG	USA	2:39.04	CR
M E N 40-44	100	M.	FLY	LAWRENCE DAY	USA	1:02.25	CR
M E N 40-44	400	M.	I.M.	LORENZO MARUGO	ITA	5:02.96	CR WR
M E N 45-49	400	M.	FREE	BOB MOMSEN	USA	4:27.70	CR WR
M E N 45-49	800	M.	FREE	BOB MOMSEN	USA	9:31.38	CR WR
M E N 45-49	50	M.	BACK	HUGH WILDER	USA	30.77	CR
M E N 45-49	100	M.	BACK	HUGH WILDER	USA	1:06.00	CR WR
M E N 45-49	200	M.	BACK	JOHN CALVERT	USA	2:26.91	CR WR
M E N 45-49	50	M.	BRST	ROBERT STRAND	USA	32.94	CR
M E N 45-49	100	M.	BRST	ROBERT STRAND	USA	1:12.98	CR WR
M E N 45-49	200	M.	BRST	ROBERT STRAND	USA	2:42.97	CR
M E N 45-49	100	M.	FLY	RICHARD ABRAHAMS	USA	1:03.38	CR WR
M E N 45-49	200	M.	FLY	JOHN LINDLEY	USA	2:30.80	CR WR
M E N 45-49	200	M.	I.M.	BOB MOMSEN	USA	2:24.39	CR WR
M E N 45-49	400	M.	I.M.	BOB MOMSEN	USA	5:12.03	CR WR
M E N 50-54	50	M.	FLY	MICHAEL MEALIFFE	USA	29.09	CR
M E N 50-54	100	M.	FLY	JACK GEOGHEGAN	USA	1:07.60	CR
M E N 50-54	200	M.	FLY	JACK GEOGHEGAN	USA	2:39.48	CR
M E N 50-54	400	M.	I.M.	MIKE LAUX	USA	5:46.47	CR
M E N 55-59	100	M.	FREE	BOB BAILIE	USA	1:02.65	CR
M E N 55-59	200	M.	FREE	KAZUYA NISHINO	JPN	2:21.33	CR WR
M E N 55-59	50	M.	BACK	YOSHI OYAKAWA	USA	32.94	CR WR
M E N 55-59	100	M.	BACK	YOSHI OYAKAWA	USA	1:13.44	CR
M E N 55-59	100	M.	BRST	BELA FABIAN	HUN	1:18.26	CR
M E N 55-59	50	M.	FLY	BOB BAILIE	USA	30.80	CR
M E N 55-59	100	M.	FLY	RICARDO SIMI	BRA	1:13.75	CR



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M E N 55-59	200	M. FLY	RICARDO SIMI	BRA	2:49.40	CR
M E N 60-64	50	M. FREE	DONALD HILL	USA	27.86	CR WR
M E N 60-64	100	M. FREE	DONALD HILL	USA	1:02.80	CR WR
M E N 60-64	200	M. FREE	DONALD HILL	USA	2:23.11	CR WR
M E N 60-64	400	M. FREE	GRAHAM JOHNSTON	USA	5:09.21	CR
M E N 60-64	800	M. FREE	GRAHAM JOHNSTON	USA	10:42.19	CR
M E N 60-64	100	M. BACK	IMRE NYEKI	HUN	1:16.38	CR WR
M E N 60-64	200	M. BACK	IMRE WYEKI	HUN	2:49.36	CR WR
M E N 60-64	50	M. BRST	JOHN KORTHEUER	USA	36.32	CR
M E N 60-64	100	M. BRST	JOHN KORTHEUER	USA	1:22.91	CR
M E N 60-64	200	M. BRST	JOHN KORTHEUER	USA	3:09.84	CR
M E N 60-64	50	M. FLY	HITOSHI KATO	JPN	32.67	CR
M E N 60-64	200	M. I.M.	GRAHAM JOHNSTON	USA	2:54.26	CR
M E N 60-64	400	M. I.M.	GRAHAM JOHNSTON	USA	6:22.20	CR
M E N 65-69	200	M. FREE	WINTHROP WILSON	USA	2:39.50	CR
M E N 65-69	400	M. FREE	A SANGSTER	ECU	5:46.11	CR
M E N 65-69	800	M. FREE	WINTHROP WILSON	USA	11:52.33	CR
M E N 65-69	100	M. BACK	ROGER FRANKS	USA	1:20.74	CR WR
M E N 65-69	200	M. BACK	ROGER FRANKS	USA	2:55.46	CR WR
M E N 65-69	50	M. FLY	WINTHROP WILSON	USA	34.43	CR
M E N 65-69	100	M. FLY	WINTHROP WILSON	USA	1:20.63	CR WR
M E N 65-69	200	M. FLY	JOSEPH KURTZMAN	USA	3:15.50	CR
M E N 65-69	200	M. I.M.	ROGER FRANKS	USA	3:07.24	CR
M E N 65-69	400	M. I.M.	ROGER FRANKS	USA	6:37.79	CR WR
M E N 70-74	100	M. FREE	JOHN RICHARDS	USA	1:13.12	CR
M E N 70-74	200	M. FREE	JOHN RICHARDS	USA	2:50.47	CR
M E N 70-74	50	M. BACK	BELA BANKIHORVATH	HUN	38.99	CR
M E N 70-74	100	M. BACK	RAY TAFT	USA	1:29.42	CR
M E N 70-74	200	M. BACK	RAY TAFT	USA	3:16.44	CR
M E N 70-74	100	M. BRST	WALTER MINNICH	GER	1:35.63	CR
M E N 70-74	50	M. FLY	ROGER HOLMES	USA	37.59	CR
M E N 70-74	100	M. FLY	PAUL KRUP	USA	1:37.88	CR
M E N 75-79	200	M. FREE	WALTER LEDGARD	PER	3:07.88	CR
M E N 75-79	400	M. FREE	HEINZ ARENDT	GER	6:49.08	CR
M E N 75-79	800	M. FREE	HEINZ ARENDT	GER	13:43.52	CR
M E N 75-79	50	M. BACK	ROBERT KNAPP	USA	42.24	CR
M E N 75-79	100	M. BRST	ANTON CERER	USA	1:43.13	CR
M E N 75-79	200	M. BRST	ANTON CERER	USA	3:44.97	CR
M E N 75-79	50	M. FLY	ROBERT KNAPP	USA	44.76	CR
M E N 75-79	100	M. FLY	ANTON CERER	USA	1:39.80	CR WR
M E N 75-79	200	M. FLY	ANTON CERER	USA	3:43.56	CR WR
M E N 75-79	200	M. I.M.	ANTON CERER	USA	3:32.73	CR
M E N 75-79	400	M. I.M.	ANTON CERER	USA	7:33.32	CR WR
M E N 80-84	200	M. FREE	TEX ROBERTSON	USA	3:52.62	CR
M E N 80-84	400	M. FREE	TEX ROBERTSON	USA	8:18.23	CR
M E N 80-84	800	M. FREE	TEX ROBERTSON	USA	17:24.48	CR
M E N 80-84	50	M. BACK	SHOGORO AZUMA	JPN	49.13	CR
M E N 80-84	100	M. BACK	CHARLES SALIE	USA	1:50.39	CR
M E N 80-84	200	M. BACK	CHARLES SALIE	USA	3:58.25	CR WR
M E N 80-84	50	M. BRST	KARL WITTENBERG	GER	46.98	CR
M E N 80-84	50	M. FLY	JESSE COON	USA	52.66	CR
M E N 85-89	50	M. FREE	GUS LANGNER	USA	47.16	CR
M E N 85-89	50	M. BACK	MAXWELL VOGT	USA	1:02.53	CR
M E N 85-89	100	M. BACK	S FUKUWSTARI	JPN	2:22.52	CR
M E N 85-89	200	M. BACK	PETER JURCZYK	USA	5:21.94	CR
M E N 85-89	50	M. BRST	F MEERWALD	GER	58.96	CR WR
M E N 90-94	50	M. FREE	ANTONIO LOPEZ	USA	2:17.68	CR
M E N 90-94	100	M. FREE	TOM LANE	USA	3:30.59	CR
M E N 90-94	50	M. BACK	ANTONIO LOPEZ	USA	2:10.52	CR
M E N 90-94	100	M. BACK	ANTONIO LOPEZ	USA	4:56.22	CR
M E N 90-94	200	M. BACK	ANTONIO LOPEZ	USA	10:26.45	CR



IV FINA WORLD MASTERS CHAMPIONSHIPS - INDIANAPOLIS USA - JUNE 25 – JULY 5 1992

SWIMMING CHAMPIONSHIP RECORDS (CR) and WORLD RECORDS (WR)

M E N	90-94	50	M.	BRST	TOM LANE	USA	2:39.54	CR
M E N	95-99	50	M.	FREE	TOM LANE	USA	1:26.78	CR
M E N	95-99	50	M.	BACK	TOM LANE	USA	1:29.88	CR
M E N	95-99	100	M.	BACK	TOM LANE	USA	3:19.14	CR

RELAYS

WOMEN	160-199	200	M.	MEDLEY	RMM	-USA	2:15.86	CR WR
	SHARON LAHEY			CATHY DROZDA				
	JUDY REED			MARCY BULLOCK				
WOMEN	200-239	200	M.	MEDLEY	NEUK	-GER	2:27.18	CR WR
	BRIGITTE MERTEN			MONIKA SENFTLEBEN				
	HEIDI KAMPSCHULTE			MARGA SCHULZE				
M E N	200-239	200	M.	FREE	TOC	-USA	1:47.65	CR WR
	ROBERT STRAND			DONALD HILL				
	JAMES ELDER			BOB MOMSEN				
M E N	240-279	200	M.	FREE	GOST	-USA	1:58.54	CR WR
	THOMAS OLANDER			SID HALL				
	KEITH CARTER			JOHN FLORANCE				
M E N	280-319	200	M.	FREE	LAM	-USA	2:10.75	CR WR
	JOHN RICHARDS			JAY CRADDOCK				
	JACK MCCANN			HUGH RICHARDS				
M E N	200-239	200	M.	MEDLEY	TOC	-USA	2:00.25	CR WR
	JAMES BEGLINGER			ROBERT STRAND				
	STEVE CLARK			DONALD HILL				
M E N	280-319	200	M.	MEDLEY	LAM	-USA	2:34.77	CR WR
	JACK MCCANN			JOHN RICHARDS				
	HUGH RICHARDS			JAY CRADDOCK				
MIXED	160-199	200	M.	FREE	RMM	-USA	1:47.46	CR WR
	CATHY DROZDA			JUDY REED				
	TOM WHATLEY			RICHARD ABRAHAMS				
MIXED	200-239	200	M.	MEDLEY	BSN	-HUN	2:15.65	CR WR
	IMRE NYEKI			PETER BALASY				
	MARTA EGERVARY			MAGDOLNA PATOH				