

\$7.00

*United States  
Masters Swimming, Inc.*

**1996  
Top Ten  
Long Course Meters**

and  
**World Records**  
as of November 1, 1996  
**Short Course Meters  
Long Course Meters**



Published December 1996

1988  
Top Ten  
Long Course Masters  
World Records  
and  
Long Course Masters  
World Records

# TOP TEN - LONG COURSE METERS

50 M. FREE WOMEN 19-24	33.66 ANN MARIE HART	23	32.91 JENNIFER HAMMOND	24	2:16.20 SUSIE DEVLIN	29
27.92 SHARON SCOTT	34.03 RHONA SWAIN	22	34.05 KATHERINE GILMAN	24	2:16.96 DONNA JOHNSON	28
27.92 SHARON SCOTT	34.04 CAROLEE OSBORNE	21	34.18 INGRID TUNG	24	2:20.05 HEATHER GRADY	25
28.40 KATHLEEN HARTNETT	34.27 BOBBI JO RUNYON	24	34.51 D.MORTENSEN	24	2:20.43 BRIDGET ROBBINS	26
28.55 ANN MARIE HART	35.10 LAURA JUKELAND	23	100 M. FLY WOMEN 19-24		2:20.94 MICHELLE GHIGGERI	27
28.77 INGRID TUNG	35.70 JENNIFER NORD	24	1:06.05 BLANCA CASTILLO	88	2:22.69 BROOKE BOWMAN	29
28.80 RHONA SWAIN	35.86 JENNIFER TURNBULL	23	1:09.09 CATHERINE CROOKS	23	2:23.07 KYM BRYANT	25
29.44 D.MORTENSEN	100 M. BACK WOMEN 19-24		1:12.38 SARAH KERLIN	21	400 M. FREE WOMEN 25-29	
29.56 BOBBI JO RUNYON	1:06.09 DAWN BRACIAK	87	1:13.97 MARY RYAN	24	4:13.03 SHEILA TAORMINA	95
29.99 HEATHER NIEMI	1:09.48 KATRINA WALTERS	20	1:14.48 JENNIFER HAMMOND	24	4:13.03 SHEILA TAORMINA	27
30.14 C. KRINESKI	1:10.19 KATHLEEN HARTNETT	24	1:16.04 JENNIFER TURNBULL	23	4:41.91 DONNA JOHNSON	28
30.20 JENNIFER HAMMOND	1:12.20 CAROLEE OSBORNE	21	1:16.17 BETHANY WILLISTON	24	4:47.51 BETHANY WILLISTON	25
100 M. FREE WOMEN 19-24	1:13.68 CORISE BITTNER	20	1:17.27 ELLICIA ROMO	23	4:52.10 HEATHER GRADY	25
1:01.49 ANITA HARRISON	1:13.88 KEELY YENGLIN	24	1:17.57 REBECCA MANTONYA	23	4:54.41 MICHELLE GHIGGERI	27
1:01.98 SHARON SCOTT	1:15.64 BOBBI JO RUNYON	24	1:21.86 BRANDY IVEY	21	4:57.28 BRIDGET ROBBINS	26
1:02.11 KATHLEEN HARTNETT	1:16.49 CATHERINE CROOKS	23	1:22.89 NOELLE LAUER	21	5:01.85 BROOKE BOWMAN	29
1:02.59 ANN MARIE HART	1:16.90 JESSICA HANCHER	22	200 M. FLY WOMEN 19-24		5:02.81 MARIA SCHEIBER	27
1:03.12 RHONA SWAIN	1:17.97 D.MORTENSEN	24	2:22.59 BLANCA CASTILLO	88	5:04.16 LOUISE MARTIN	27
1:04.74 HEATHER NIEMI	1:17.98 JENNIFER TURNBULL	23	2:33.49 KATRINA WALTERS	20	5:05.06 L.CLAVADETSCHER	25
1:05.00 JENNIFER HAMMOND	200 M. BACK WOMEN 19-24		2:52.57 MARY RYAN	24	800 M. FREE WOMEN 25-29	
1:05.57 INGRID TUNG	2:26.62 MICHELLE DONAHUE	92	2:52.92 ELLICIA ROMO	23	9:18.43 SARA SHAND	89
1:06.31 DENISE LUNDQUIST	2:28.89 KATRINA WALTERS	20	2:54.52 E. SANTANGELO	23	9:33.11 DONNA JOHNSON	28
1:06.43 C. KRINESKI	2:31.82 KATHLEEN HARTNETT	24	200 M. I.M. WOMEN 19-24		9:57.45 BETHANY WILLISTON	25
1:06.55 NATHALIE DEVIGNE	2:34.11 ANN MARIE HART	23	2:29.90 MICHELLE DONAHUE	92	10:13.35 HEATHER GRADY	25
200 M. FREE WOMEN 19-24	2:42.54 CORISE BITTNER	20	2:34.67 KATRINA WALTERS	20	10:13.64 MICHELLE GHIGGERI	27
2:13.43 KATRINA WALTERS	2:46.82 JENNIFER TURNBULL	23	2:35.29 RHONA SWAIN	22	10:24.03 BROOKE BOWMAN	29
2:13.43 KATRINA WALTERS	2:48.83 LAURA JUKELAND	23	2:36.28 SHARON SCOTT	24	10:43.07 LOUISE MARTIN	27
2:19.32 JENNIFER KENYON	2:51.41 AMY HAY	21	2:36.58 ANN MARIE HART	23	10:43.30 MELINDA YELTON	29
2:20.39 NATHALIE DEVIGNE	2:52.53 COREY ULLMAN	20	2:37.23 KATHLEEN HARTNETT	24	10:45.86 MARIA SCHEIBER	27
2:21.18 KEELY YENGLIN	2:53.39 ESTHER SMITH	23	2:39.11 KEELY YENGLIN	24	10:53.81 CARI MCDOWELL	28
2:21.88 HEATHER NIEMI	2:55.27 NINA PLESTICK	24	2:40.06 JENNIFER KENYON	23	11:06.44 J.MOLEN	29
2:22.23 BOBBI JO RUNYON	50 M. BRST WOMEN 19-24		2:44.28 ROBIN SCOTT	24	1500 M. FREE WOMEN 25-29	
2:23.89 BETHANY WILLISTON	33.66 ELIZABETH NELSON	95	2:44.55 BOBBI JO RUNYON	24	17:27.96 SHEILA TAORMINA	95
2:24.82 NINA PLESTICK	36.98 RHONA SWAIN	22	2:44.96 NINA PLESTICK	24	18:01.57 DONNA JOHNSON	28
2:26.10 CATHERINE CROOKS	37.96 SHARON SCOTT	24	400 M. I.M. WOMEN 19-24		19:53.01 BROOKE BOWMAN	29
2:27.86 TERESA KONIECZNY	39.81 MONICA BULLARD	24	5:18.36 ALISON ZAMANIAN	94	20:09.84 MARIA SCHEIBER	27
400 M. FREE WOMEN 19-24	40.02 CAROLINE KRINESKI	23	5:56.33 SARAH KERLIN	21	20:28.97 KAREN DUGGAN	26
4:36.94 KATRINA WALTERS	40.39 JENNIFER HAMMOND	24	5:58.37 NINA PLESTICK	24	20:31.30 MELINDA YELTON	29
4:36.94 KATRINA WALTERS	40.82 AMY SLAUGHTERBECK	19	6:09.14 ANDREA FRUEH	23	21:19.64 JENNIFER JACOBS	27
4:53.96 JENNIFER KENYON	41.03 ELLEN SOMMERLAD	24	6:10.09 ELLICIA ROMO	23	22:07.03 JUNIA CALHOON	26
4:54.16 NATHALIE DEVIGNE	41.45 LINDSEY TRASK	20	6:12.24 REBECCA MANTONYA	23	22:27.63 J.VANDERMOLEN	29
5:06.27 BETHANY WILLISTON	41.84 BOBBI JO RUNYON	24	6:13.09 SHELBY SPANYER	22	22:45.78 PATRICIA HOGAN	26
5:07.73 HEATHER NIEMI	42.90 CLAIRE ORR	20	6:20.52 E. SANTANGELO	19	23:06.82 JUDY BARKER	29
5:08.61 BOBBI JO RUNYON	100 M. BRST WOMEN 19-24		7:07.11 K CHAPMAN	23	50 M. BACK WOMEN 25-29	
5:10.68 KATHERINE GILMAN	1:13.62 ELIZABETH NELSON	95	7:14.59 DANA FRANKS	22	30.80 DIANE GRANER	89
5:10.83 CLAUDIA ILTIS	1:18.75 RHONA SWAIN	22	*****		32.02 KYM BRYANT	25
5:14.87 TERESA KONIECZNY	1:22.54 SHARON SCOTT	24	50 M. FREE WOMEN 25-29		32.76 MARGARET BOLIVER	25
5:15.26 JILL MURANY	1:24.58 JENNIFER KENYON	23	26.68 SARA SHAND	91	32.78 DYNE BURRELL	29
800 M. FREE WOMEN 19-24	1:24.91 MONICA BULLARD	24	27.43 DYNE BURRELL	29	33.38 MICHELLE DAVID	26
9:31.25 ALISON ZAMANIAN	1:27.34 JENNIFER HAMMOND	24	27.46 MICHELLE DAVID	26	34.37 BRIDGET ROBBINS	26
10:08.72 NATHALIE DEVIGNE	1:27.37 ESTHER SMITH	23	28.58 LISA SUMMERS	25	34.59 AMY HOLLAND	28
10:44.20 JENNIFER KENYON	1:29.04 ELLEN SOMMERLAD	24	28.79 JENNIFER ZEBORIS	26	35.22 SOLVEIG SULLIVAN	26
10:57.93 DENISE THOMPSON	1:30.26 CATHERINE CROOKS	23	28.91 MICHELLE GHIGGERI	27	35.27 E.SARKAUSKAITE	28
11:05.90 COREY ULLMAN	1:31.34 ROBYN GARINGER	23	29.45 SHIELA LENIART	28	35.35 LORI VIANCOURT	25
11:08.83 TRACY ADAMS	1:32.69 LINDSEY TRASK	20	29.58 AMY TOMPKINS	25	36.19 TERI ELLIS	28
11:27.63 ELLICIA ROMO	200 M. BRST WOMEN 19-24		29.66 BARBARA PRANGER	26	100 M. BACK WOMEN 25-29	
11:28.47 KATHLEEN BOYD	2:51.20 LOUISE KEOGH	93	29.69 CHERI BAUER	28	1:07.32 DIANE GRANER	89
12:37.58 SUZANNE DEARWORTH	2:51.77 RHONA SWAIN	22	29.70 LOUISE MARTIN	27	1:09.66 KYM BRYANT	25
13:42.26 ANNE DIPONIO	3:00.77 JENNIFER KENYON	23	100 M. FREE WOMEN 25-29		1:13.95 BRIDGET ROBBINS	26
1500 M. FREE WOMEN 19-24	3:05.35 JENNIFER HAMMOND	24	57.76 SHEILA TAORMINA	95	1:13.96 SOLVEIG SULLIVAN	26
18:17.40 ALISON ZAMANIAN	3:08.71 SARAH KERLIN	21	59.43 SHEILA TAORMINA	29	1:14.56 E.SARKAUSKAITE	28
19:50.07 KEELY YENGLIN	3:11.35 MONICA BULLARD	24	1:00.49 DYNE BURRELL	27	1:15.39 HEATHER GRADY	25
20:10.84 JENNIFER KENYON	3:14.20 ELLEN SOMMERLAD	24	1:01.80 MICHELLE DAVID	26	1:17.13 TINA SANDLIN	27
20:49.69 TRACY ADAMS	3:18.84 SUZANNE DEARWORTH	23	1:02.69 LISA SUMMERS	25	1:17.90 KAREN DUGGAN	26
21:02.90 E.THUNEN-FRENCH	3:21.09 SHELBY SPANYER	22	1:03.08 JENNIFER RIDGE	27	1:19.82 BROOKE BOWMAN	29
21:05.35 SARAH KERLIN	3:22.00 GRETA PETERSEN	19	1:03.68 CHERI BAUER	28	1:19.83 ANN SPEED	25
21:09.97 GRETA PETERSEN	3:28.57 GINA LEGGIO	23	1:03.89 MICHELE HUYETTE	27	1:20.82 TERI ELLIS	28
21:30.96 E. SANTANGELO	50 M. FLY WOMEN 19-24		1:04.09 BRIDGET ROBBINS	26	200 M. BACK WOMEN 25-29	
21:43.66 ELLICIA ROMO	30.00 KANA SHIBUYA	95	1:04.14 MICHELLE GHIGGERI	27	2:19.97 DIANE GRANER	89
23:59.09 SUZANNE DEARWORTH	30.82 CATHERINE CROOKS	23	1:04.46 LORI VIANCOURT	25	2:32.82 KYM BRYANT	25
50 M. BACK WOMEN 19-24	31.27 KATHLEEN HARTNETT	24	200 M. FREE WOMEN 25-29		2:37.92 MARGARET BOLIVER	25
31.55 TORI SMITH	31.81 CAROLEE OSBORNE	21	2:02.06 SHEILA TAORMINA	95	2:38.85 SOLVEIG SULLIVAN	26
32.24 KATRINA WALTERS	32.22 MARY RYAN	24	2:02.06 SHEILA TAORMINA	27	2:41.59 ELLEN BAIRD	26
32.27 KATHLEEN HARTNETT	32.30 BOBBI JO RUNYON	24	2:15.84 LISA SUMMERS	25	2:42.30 BRIDGET ROBBINS	26
32.91 CATHERINE CROOKS	32.66 KEELY YENGLIN	24	2:16.14 JENNIFER RIDGE	27	2:43.52 E.SARKAUSKAITE	28

# TOP TEN - LONG COURSE METERS

2:43.84	CARMEN BRUN	29	3:14.45	JUDITH TANENBAUM	29	9:19.96	SUSAN PORTER	94	1:21.33	BETH SCHEIMANN	34
2:44.52	JENNY MILLER	25	200 M. I.M. WOMEN 25-29			9:22.73	KAREN BURTON	33	1:21.33	CORRIN POPPS	31
2:44.85	KAREN DUGGAN	26	2:25.45	SARA SHAND	89	9:25.47	K.PIPES-NEILSEN	34	1:24.34	MARY PERRONI	31
2:46.79	BETHANY WILLISTON	25	2:33.82	JENNIFER RIDGE	27	9:27.06	LISA HAZEN	31	1:24.56	SUSAN WITTING	32
50 M. BRST WOMEN 25-29			2:35.86	LISA SUMMERS	25	9:49.75	JUNE FORD	33	1:24.92	CAROLYN KOSTER	34
34.36	ROSEMARIE SEAMAN	87	2:39.43	ELLEN BAIRD	26	9:50.35	JANE KLEINE	31	1:25.32	KELLY RELLINGER	30
35.79	LOUISE MARTIN	27	2:39.78	LOUISE MARTIN	27	10:11.08	STEPHANIE OUTCALT	31	1:26.27	LESLIE STANLEY	34
37.57	HELEN WALSH	27	2:40.16	MICHELLE CHOW	28	10:16.29	NANCY ROSE	34	1:27.13	LESLIE OCHS	32
37.84	CHERYL CONLIN	28	2:41.68	CARMEN BRUN	29	10:35.01	ANITA BENEDICT	33	200 M. BRST WOMEN 30-34		
37.98	ELLEN BAIRD	26	2:41.93	KAREN DUGGAN	26	10:36.62	SHERRY COOK	31	2:53.08	KAREN MELICK	87
38.14	LISA SUMMERS	25	2:42.57	HEATHER GRADY	25	10:42.56	SUSAN CAPSHAW	34	2:53.90	K.PIPES-NEILSEN	33
39.10	CARMEN BRUN	29	2:43.34	MARGARET BOLIVER	25	1500 M. FREE WOMEN 30-34			2:56.34	MAUD ORLANDO	33
39.20	MICHELE HUYETTE	27	2:43.90	CHRISTENA PAZOS	28	17:38.70	KAREN BURTON	96	2:57.81	ELIZABETH HOWARD	30
39.42	JILL RODDIN	26	400 M. I.M. WOMEN 25-29			17:38.70	KAREN BURTON	33	2:58.26	BETH SCHEIMANN	34
39.62	E.MALKEMUS	26	5:06.34	SARA SHAND-	89	17:48.44	K.PIPES-NEILSEN	34	3:02.45	MARY PERRONI	31
39.80	CAROLE KAMMEL	27	5:25.92	DONNA JOHNSON	28	17:48.60	LISA HAZEN	31	3:05.57	SUSAN WITTING	32
100 M. BRST WOMEN 25-29			5:27.37	JENNIFER RIDGE	27	18:43.07	JUNE FORD	33	3:08.61	LESLIE STANLEY	34
1:16.60	S MCINTYRE-WOODS	91	5:30.31	HELEN WALSH	27	19:07.27	STEPHANIE OUTCALT	31	3:11.22	LESLIE OCHS	32
1:20.63	LOUISE MARTIN	27	5:34.01	BETHANY WILLISTON	25	19:16.30	NANCY ROSE	34	3:11.88	MARY UBERT	31
1:22.49	KAREN DUGGAN	26	5:37.64	CARMEN BRUN	29	19:34.81	BARBARA MILANESE	34	3:12.20	CAROLYN KOSTER	34
1:23.61	LISA SUMMERS	25	5:38.07	ELLEN BAIRD	26	20:48.47	ANITA BENEDICT	32	50 M. FLY WOMEN 30-34		
1:24.49	CARMEN BRUN	29	5:45.18	KAREN DUGGAN	26	20:53.81	GLORIA NEMET	32	29.22	BETH HARRELL	92
1:25.45	CHERYL CONLIN	28	5:58.45	BROOKE BOWMAN	29	20:56.61	MELANIE DULLEA	34	29.28	K PIPES-NEILSEN	34
1:25.98	CAREN MACLEAN	25	6:05.29	SHEILA WALSH	26	50 M. BACK WOMEN 30-34			30.37	MARTIE MCKINNEY	31
1:26.62	JILL RODDIN	26	6:10.01	FRANCESCA CRANNEL	28	30.94	D GRANER GALLAS	96	30.99	CAROL OLSON	33
1:27.75	LORI VIANCOURT	25	*****			30.94	D.GALLAS	32	31.44	KELLY RELLINGER	30
1:28.02	E.MALKEMUS	26	50 M. FREE WOMEN 30-34			31.80	K PIPES-NEILSEN	34	31.69	SUSAN MENDEZ	33
1:28.08	SHEILA WALSH	26	26.37	S NEILSON-BELL	88	32.59	KAREN ANDREWS	34	32.13	MARY MUETING	31
200 M. BRST WOMEN 25-29			27.67	K.PIPES-NEILSEN	33	33.19	MARTIE MCKINNEY	31	32.14	BETH SCHEIMANN	34
2:48.61	LOUISE KEOGH	95	28.12	KAREN ANDREWS	34	34.02	DAWN HEWITT	31	32.16	GINA MARIE GATTI	33
2:51.58	HELEN WALSH	27	28.70	CORRIN POPPS	31	34.19	PAMELA BOSCOVICH	33	32.79	MICHELLE HOJNACKI	30
2:55.53	JENNIFER RIDGE	27	28.75	BETH SCHEIMANN	34	34.22	ANDREA DEVIUONO	33	32.94	BEDA ROSENBERG	31
2:56.23	LOUISE MARTIN	27	28.89	CAROL OLSON	33	34.29	JOAN SCHRIGER	31	100 M. FLY WOMEN 30-34		
2:58.74	KAREN DUGGAN	25	28.96	MARY MUETING	31	34.82	BEDA ROSENBERG	31	1:04.43	K PIPES-NEILSEN	96
2:58.79	BETHANY WILLISTON	25	29.13	KELLY RELLINGER	30	35.44	E.MARESCA-ORTOF	30	1:04.43	K.PIPES-NEILSEN	34
3:00.84	CARMEN BRUN	29	29.88	MARY DORE	32	100 M. BACK WOMEN 30-34			1:05.96	MARTIE MCKINNEY	31
3:07.77	SHEILA WALSH	26	29.93	MARTIE MCKINNEY	31	1:05.42	D GRANER GALLAS	96	1:10.03	CAROL OLSON	33
3:08.86	CHERYL CONLIN	28	29.94	NANCY STAAL	34	1:05.42	D.GALLAS	32	1:10.77	SUSAN MENDEZ	33
3:14.45	KAI-CHING CHA	25	100 M. FREE WOMEN 30-34			1:05.54	K.PIPES-NEILSEN	34	1:12.10	JENNIFER ARDOLINO	34
3:15.05	VIRGINIA MORETTO	27	58.09	S NEILSON-BELL	88	1:11.21	ANDREA DEVIUONO	33	1:12.19	JOAN SCHRIGER	31
50 M. FLY WOMEN 25-29			59.02	K.PIPES-NEILSEN	33	1:12.09	KAREN ANDREWS	34	1:13.26	NANCY ROSE	34
28.79	ROSEMARIE SEAMAN	87	1:00.78	LISA HAZEN	31	1:12.13	VIBEKE SWANSON	34	1:13.49	STEPHANIE PORTER	34
29.64	MICHELLE DAVID	26	1:00.78	D.GALLAS	32	1:12.15	DAWN HEWITT	31	1:13.81	JANET BOWMAN	34
30.45	BARBARA PRANGER	26	1:01.75	CAROL OLSON	33	1:12.22	MARTIE MCKINNEY	31	1:14.04	GINA MARIE GATTI	33
31.04	LEIGH METCALF	25	1:02.94	MARTIE MCKINNEY	31	1:13.83	KRISTEN CORBETT	30	200 M. FLY WOMEN 30-34		
31.31	MARIA SCHEIBER	27	1:03.15	CORRIN POPPS	31	1:14.60	JOAN SCHRIGER	31	2:20.12	K PIPES-NEILSEN	96
31.41	KYM BRYANT	25	1:03.86	BETH SCHEIMANN	34	1:15.14	TRISCHA ZORN	32	2:20.12	K PIPES-NEILSEN	34
31.44	DYNE BURRELL	29	1:03.97	JANE KLEINE	31	200 M. BACK WOMEN 30-34			2:33.04	KAREN BURTON	33
31.83	MICHELLE SUTTON	27	1:04.64	TERESA ZURICK	30	2:17.73	K PIPES-NEILSEN	96	2:40.23	NANCY ROSE	34
31.88	MICHELE HUYETTE	27	1:05.15	MARY DORE	32	2:17.73	K.PIPES-NEILSEN	34	2:49.24	STEPHANIE PORTER	34
32.06	BROOKE BOWMAN	29	200 M. FREE WOMEN 30-34			2:21.26	D.GALLAS	32	2:55.04	JANET BOWMAN	34
32.37	SUSAN AUGUSTUS	29	2:06.80	K PIPES-NEILSEN	96	2:34.55	DAWN HEWITT	31	3:00.21	DIANNE WYGAL	30
100 M. FLY WOMEN 25-29			2:06.80	K.PIPES-NEILSEN	34	2:37.17	ANDREA DEVIUONO	33	3:03.23	PENNY BATES	34
1:03.67	SHEILA TAORMINA	95	2:12.45	LISA HAZEN	31	2:37.68	E.MARESCA-ORTOF	30	3:07.46	ANNETTE BERNIER	33
1:09.93	BARBARA PRANGER	26	2:14.66	CAROL OLSON	33	2:39.56	JOAN SCHRIGER	31	3:17.55	LINDA LEHTO	33
1:10.87	SUSIE DEVLIN	29	2:15.99	JANE KLEINE	31	2:39.66	VIBEKE SWANSON	34	3:18.72	LISA SHEEPER	32
1:11.30	MICHELE HUYETTE	27	2:16.27	MARTIE MCKINNEY	31	2:40.38	KRISTEN CORBETT	30	200 M. I.M. WOMEN 30-34		
1:11.56	CHRISTENA PAZOS	28	2:22.22	NANCY ROSE	34	2:43.61	PAMELA BOSCOVICH	33	2:23.12	K PIPES-NEILSEN	96
1:11.73	BROOKE BOWMAN	29	2:22.82	MARY DORE	32	2:44.67	TRISCHA ZORN	32	2:23.12	K.PIPES-NEILSEN	34
1:12.74	BRIDGET ROBBINS	26	2:23.44	T.CHILDRESS-BROWN	32	50 M. BRST WOMEN 30-34			2:37.08	DEBORAH ZIMIC	34
1:12.76	MARIA SCHEIBER	27	2:24.03	BARBARA MILANESE	34	35.90	LISA BENNETT	88	2:37.59	E.MARESCA-ORTOF	30
1:12.81	ANNE OBERG	25	2:24.04	MARGARET KELLER	32	36.10	K.PIPES-NEILSEN	34	2:38.83	ANDREA DEVIUONO	34
1:13.57	JILL RODDIN	26	400 M. FREE WOMEN 30-34			37.01	MAUD ORLANDO	34	2:42.45	DAWN HEWITT	31
1:13.69	E.MALKEMUS	26	4:28.76	K PIPES-NEILSEN	96	37.29	KELLY RELLINGER	30	2:42.65	MICHELLE HOJNACKI	30
200 M. FLY WOMEN 25-29			4:28.76	K PIPES-NEILSEN	34	37.37	BETH SCHEIMANN	34	2:42.69	JANE KLEINE	31
2:17.51	SHEILA TAORMINA	95	4:34.26	LISA HAZEN	31	38.12	CAROLYN KOSTER	34	2:43.05	VIBEKE SWANSON	34
2:17.51	SHEILA TAORMINA	27	4:35.81	KAREN BURTON	33	38.31	SUSAN WITTING	32	2:43.68	SUSAN MENDEZ	33
2:28.52	MARCY YEISLEY	26	4:44.06	JANE KLEINE	31	38.92	LESLIE OCHS	32	2:44.65	LORNA CIALDELLA	31
2:42.06	DONNA JOHNSON	28	4:50.50	DEBORAH ZIMIC	34	39.47	LESLIE STANLEY	34	400 M. I.M. WOMEN 30-34		
2:42.23	BROOKE BOWMAN	29	4:51.09	JUNE FORD	33	39.60	MARY PERRONI	31	5:03.97	K PIPES-NEILSEN	96
2:46.25	MICHELLE CHOW	28	4:53.48	STEPHANIE OUTCALT	31	39.74	LIBBY LEEDS	30	5:03.97	K.PIPES-NEILSEN	33
2:50.63	SUSAN AUGUSTUS	29	4:56.38	E.MARESCA-ORTOF	30	100 M. BRST WOMEN 30-34			5:33.56	DEBORAH ZIMIC	34
2:53.62	MARY RYAN	25	4:58.33	NANCY ROSE	34	1:18.80	BETH SCHEIMANN	93	5:34.59	E.MARESCA-ORTOF	30
3:07.02	C.JOHNSTON	29	5:04.00	NANCY THOMSON	32	1:19.97	K.PIPES-NEILSEN	34	5:37.95	ANDREA DEVIUONO	34
3:11.80	DEANNA KOEHLER	27	800 M. FREE WOMEN 30-34			1:21.13	MAUD ORLANDO	34	5:42.35	NANCY ROSE	34

# TOP TEN - LONG COURSE METERS

5:47.44	DAWN HEWITT	31	20:39.66	WANDA BROWN	39	50 M. FLY WOMEN 35-39	1:00.63	S.NEILSON-BELL	40		
5:49.75	NANCY THOMSON	32	20:47.11	LESLIE COOPER	36	29.27	SUSAN HALFACRE	88	1:02.42	LAURA VAL	44
5:50.78	LORNA CIALDELLA	31	20:54.36	TERRI NATALI	36	30.43	CATHY SHONKWILER	36	1:03.65	MARYANNE KEEVER	40
5:50.94	MICHELLE HOJNACKI	30	50 M. BACK WOMEN 35-39			30.54	THERESA VILLA	39	1:04.37	DANIELLE OGIER	43
5:52.74	BARBARA MILANESE	34	32.39	LAURA VAL	90	31.50	TERRI NATALI	36	1:04.53	JANE ZIEGLER	42
*****			33.75	CATHY SHONKWILER	36	31.75	CAREN MC NAMARA	36	1:04.92	KARLENE WISE	42
50 M. FREE WOMEN 35-39			34.82	MONICA BAILEY	35	32.03	BUSSEY-MCKEITHEN	36	1:06.52	JULIE WYNN	40
26.68	S.NEILSON-BELL	96	34.98	CLAUDIA ETTELSON	35	32.08	PAMELA MARTIN	38	1:06.84	SUSAN SKIFF	41
26.68	S.NEILSON-BELL	39	35.03	CORINNA SEIBT	35	32.55	BETH KNIGHT	37	1:07.92	MARYANN STEVENS	43
28.65	CATHY SHONKWILER	36	35.62	PATTY LANDERS	39	32.88	WHITLEY GREENE	37	1:08.39	R.BRITTINGHAM	44
29.05	BETH KNIGHT	36	35.90	SANDY CONROY	37	32.88	LESLIE COOPER	36	200 M. FREE WOMEN 40-44		
29.19	BUSSEY-MCKEITHEN	36	36.30	ROZANNA MILLER	36	32.95	CHARLENE O'BRIEN	39	2:14.97	LAURA VAL	94
29.74	PAM DRAFTS	39	36.41	NANCY SERVO	35	100 M. FLY WOMEN 35-39			2:17.64	S.NEILSON-BELL	40
29.93	NANCY SERVO	35	36.43	DEBBIE CAVANAUGH	38	1:05.39	SUSAN HALFACRE	88	2:18.05	LAURA VAL	44
30.02	CORINNA SEIBT	35	36.43	ANDREA NAUTA	37	1:09.94	CATHY SHONKWILER	36	2:20.90	DANIELLE OGIER	43
30.18	BONNY LIST	38	100 M. BACK WOMEN 35-39			1:10.96	TERRI NATALI	36	2:25.40	SUSAN SKIFF	41
30.59	MARILYN EARLY	38	1:08.49	ZENA HERRMANN	94	1:12.04	SUZANNE HEIM	38	2:25.58	JULIE WYNN	40
30.67	PASCALE ASBURY	37	1:14.44	CATHY SHONKWILER	36	1:12.71	THERESA VILLA	38	2:26.55	MARYANNE KEEVER	40
100 M. FREE WOMEN 35-39			1:16.67	PATTY LANDERS	39	1:13.68	CAREN MC NAMARA	36	2:27.04	KARLENE WISE	42
58.87	S.NEILSON-BELL	95	1:16.81	CORINNA SEIBT	35	1:14.95	SALLY MORGAN	36	2:31.55	DEBBIE FLANSBURG	40
59.72	S.NEILSON-BELL	39	1:17.13	MONICA BAILEY	35	1:15.11	CYNTHIA HYLAND	36	2:32.62	THERESA HESSLER	44
1:01.57	BETH KNIGHT	37	1:17.15	SANDY CONROY	37	1:15.66	PATTY REDIG	36	2:33.49	DENISE EVERITT	43
1:02.69	CATHY SHONKWILER	36	1:17.77	CLAUDIA ETTELSON	35	1:15.84	PAMELA MARTIN	38	400 M. FREE WOMEN 40-44		
1:04.73	PEGGY KRATZ	36	1:19.21	DIANNE BARRY	38	1:16.00	BUSSEY-MCKEITHEN	36	4:48.82	LAURA VAL	94
1:05.71	BUSSEY-MCKEITHEN	36	1:19.41	MARILYN EARLY	38	200 M. FLY WOMEN 35-39			5:03.12	DANIELLE OGIER	43
1:05.78	JANN GIRARD	36	1:19.71	DEBBIE CAVANAUGH	38	2:26.38	LAURA VAL	89	5:13.59	DEBBIE FLANSBURG	40
1:05.85	NANCY SERVO	35	1:20.19	ROZANNA MILLER	36	2:41.49	SUZANNE HEIM	38	5:22.50	DENISE EVERITT	43
1:06.31	MONICA BAILEY	35	200 M. BACK WOMEN 35-39			2:48.04	AMY POPE	36	5:24.22	KATHI BULLOCK	42
1:06.88	ANDREA NAUTA	37	2:26.66	ZENA HERRMANN	94	2:49.37	CYNTHIA HYLAND	36	5:26.57	KATHIE COVARD	40
1:07.46	CAREN MC NAMARA	36	2:45.17	PATTY LANDERS	39	2:53.27	PEGGY KRATZ	36	5:26.99	KARLENE WISE	42
200 M. FREE WOMEN 35-39			2:45.20	CLAUDIA ETTELSON	35	2:53.75	BARBARA KRAUSE	37	5:27.16	PHYLLIS QUINN	40
2:08.93	BETH KNIGHT	94	2:45.31	CORINNA SEIBT	35	2:55.30	ROZANNA MILLER	36	5:29.99	CATHY SCHULBACH	42
2:16.91	SUZANNE HEIM	38	2:47.42	MONICA BAILEY	35	2:57.03	BARBARA NICHOLS	39	5:33.09	SHERRY KITTRELL	44
2:18.80	BETH KNIGHT	36	2:49.39	ROZANNA MILLER	36	2:57.60	AMY HODGSON	39	5:34.90	ROSANNA SIKORA	40
2:20.36	CATHY SHONKWILER	36	2:49.82	MARY CURL	39	2:59.40	EILEEN WALL	38	800 M. FREE WOMEN 40-44		
2:21.60	AMY POPE	35	2:51.47	MARILYN EARLY	38	3:00.59	PENNY BATES	35	9:57.69	LAURA VAL	93
2:21.90	PEGGY KRATZ	36	2:52.19	PENNY BATES	35	200 M. I.M. WOMEN 35-39			10:48.32	DANIELLE OGIER	43
2:23.77	CHARLENE O'BRIEN	39	2:52.22	SANDY CONROY	37	2:28.93	JUDITH LALLIER	94	10:53.15	DEBBIE FLANSBURG	40
2:26.01	MARILYN EARLY	38	2:52.32	ANDREA NAUTA	37	2:39.47	JANN GIRARD	36	10:59.06	DENISE EVERITT	43
2:26.29	NANCY SERVO	35	50 M. BRST WOMEN 35-39			2:42.44	TERRI NATALI	36	11:06.07	JULIE WYNN	40
2:26.72	MARY CURL	39	34.41	L.WETZEL-OSBORNE	89	2:42.81	AMY POPE	36	11:25.40	SHERRY KITTRELL	44
2:27.26	LAURA KESSLER	36	38.40	JANE ROBRE	38	2:43.83	SALLY MORGAN	36	11:25.54	M.WINDRATH	43
400 M. FREE WOMEN 35-39			38.59	WENDY RYAN	38	2:44.58	MARY CURL	39	11:26.18	KATHIE COVARD	40
4:31.35	BETH KNIGHT	94	39.36	KAREN MELICK	39	2:48.18	BETH KNIGHT	36	11:49.57	PAM GEIGER	43
4:40.14	BETH KNIGHT	37	39.83	EILEEN WALL	38	2:48.42	BARBARA KRAUSE	37	11:49.77	JO ANN HARRELSON	40
4:43.11	SUZANNE HEIM	38	39.84	SUSAN RICHMOND	35	2:48.55	CAROL BADGER	36	11:51.17	SARA LUNDGAARD	41
4:55.52	CATHY SHONKWILER	36	39.86	BONNY LIST	38	2:49.77	RANDI ANDERSON	35	1500 M. FREE WOMEN 40-44		
4:55.62	AMY POPE	36	40.04	LESLIE COOPER	36	2:50.11	PENNY BATES	35	19:00.40	BARBARA DUNBAR	92
4:59.96	PEGGY KRATZ	36	40.13	LAURA KESSLER	36	400 M. I.M. WOMEN 35-39			20:19.32	DANIELLE OGIER	43
5:05.12	CHARLENE O'BRIEN	39	40.45	MARY CURL	39	5:34.47	KAREN FARNSWORTH	92	20:22.30	VICTORIA TRACY	40
5:09.89	KAREN SULLIVAN	39	40.59	JILL WHITNEY	39	5:39.67	JANN GIRARD	36	20:54.62	DENISE EVERITT	43
5:10.48	LAURA KESSLER	36	100 M. BRST WOMEN 35-39			5:39.76	SUZANNE HEIM	38	21:05.53	PHYLLIS QUINN	40
5:13.43	PENNY BATES	35	1:17.44	L.WETZEL-OSBORNE	90	5:48.80	AMY POPE	36	21:29.03	KARLENE WISE	42
5:14.69	RANDI ANDERSON	35	1:24.87	JANN GIRARD	36	5:50.49	TERRI NATALI	36	21:39.78	CATHY SCHULBACH	42
800 M. FREE WOMEN 35-39			1:25.47	SUSAN RICHMOND	35	5:56.13	MARGUERITE MEYER	37	21:45.43	KATHIE COVARD	40
9:20.62	BETH KNIGHT	94	1:25.63	LESLIE COOPER	36	5:56.89	MARY CURL	39	21:56.78	ROSANNA SIKORA	40
9:42.82	SUZANNE HEIM	37	1:26.21	EILEEN WALL	38	5:59.62	PENNY BATES	35	21:57.10	SHERRY KITTRELL	44
10:11.74	AMY POPE	35	1:26.43	DIANNA TATE	35	6:00.11	CAROL BADGER	36	21:57.63	GAYLE BENTY	43
10:31.89	CATHY SHONKWILER	36	1:26.97	JANE ROBRE	38	6:01.91	EILEEN WALL	38	50 M. BACK WOMEN 40-44		
10:33.76	PEGGY KRATZ	36	1:27.14	CAROL BADGER	36	6:02.07	BARBARA KRAUSE	37	32.25	LAURA VAL	94
10:34.37	PATTY REDIG	36	1:27.27	JUDY TIBMA	39	*****			33.61	MARYANNE KEEVER	40
10:45.45	MAGGIE HOPPER	39	1:27.52	COKIE LEPINSKI	37	50 M. FREE WOMEN 40-44			34.08	NANCY RENO	40
10:46.50	PENNY BATES	35	1:28.52	LAURA KESSLER	36	27.39	S.NEILSON-BELL	96	34.88	JANE ZIEGLER	42
10:49.33	KAREN SULLIVAN	39	200 M. BRST WOMEN 35-39			27.39	S.NEILSON-BELL	40	34.98	ANN GUINS	43
10:56.83	WANDA BROWN	39	2:52.40	DEA ANN JOSLIN	94	28.53	LAURA VAL	44	35.18	EVELYN LYNCH	44
10:58.21	PATTY LANDERS	39	3:02.37	JANN GIRARD	36	28.93	JANE ZIEGLER	42	35.55	CAROL PFLUGHEBER	43
1500 M. FREE WOMEN 35-39			3:03.87	EILEEN WALL	38	29.26	KARLENE WISE	42	36.84	DANIELLE OGIER	43
17:59.12	BETH KNIGHT	94	3:05.73	CAROL BADGER	36	29.60	MARYANNE KEEVER	40	37.18	DENISE KIRWAN	44
18:33.35	SUZANNE HEIM	38	3:05.88	COKIE LEPINSKI	37	29.92	ANN URSCHEL	41	37.19	KARLENE WISE	42
19:13.09	AMY POPE	35	3:06.22	LESLIE COOPER	36	30.18	DANIELLE OGIER	43	37.74	CYNTHIA MALTRY	41
19:50.91	CATHY SHONKWILER	36	3:06.30	SUSAN RICHMOND	35	30.85	MARY LIOTTA	44	100 M. BACK WOMEN 40-44		
19:57.63	PEGGY KRATZ	36	3:07.07	DIANNA TATE	35	30.89	R.BRITTINGHAM	44	1:11.03	LAURA VAL	92
20:07.60	MARGUERITE MEYER	37	3:07.61	KAREN MELICK	39	30.89	EVELYN LYNCH	44	1:11.63	MARYANNE KEEVER	40
20:14.34	MAGGIE HOPPER	39	3:12.05	LAURA KESSLER	36	100 M. FREE WOMEN 40-44			1:13.07	LAURA VAL	44
20:32.90	PENNY BATES	35	3:14.40	PENNY BATES	35	1:00.63	S.NEILSON-BELL	96	1:14.23	JANE ZIEGLER	42

# TOP TEN - LONG COURSE METERS

1:14.39 NANCY RENO	40	1:14.28 KARLENE WISE	42	2:44.54 SUSI CHANDLER	45	36.97 SUSAN ROY	94
1:17.16 EVELYN LYNCH	44	1:17.81 ELAINE FINCHAM	41	2:48.50 JUDY LEE	46	38.54 A.WRIGHT-BELKNAP	45
1:18.31 KARLEEN WISE	42	1:18.79 DENISE EVERITT	43	400 M. FREE WOMEN 45-49		38.91 DEBORAH WALKER	45
1:18.52 S. NEILSON-BELL	40	1:18.82 JULIE WYNN	40	4:59.86 BARBARA DUNBAR	94	41.22 DALE BARNHARD	48
1:19.50 MARYANN STEVENS	43	200 M. FLY WOMEN 40-44		5:03.28 BARBARA DUNBAR	47	41.83 MEEGAN WILSON	47
1:19.83 ANN GUINS	43	2:32.59 LAURA VAL	95	5:07.25 NANCY FISHER	45	42.27 GERRE JONES	47
1:19.91 CAROL PFLUGHEBER	43	2:37.02 DEBBIE FLANSBURG	40	5:14.64 CELESTE MILLER	46	42.73 HOLLY MACMURRAY	45
200 M. BACK WOMEN 40-44		2:45.53 SUSAN SKIFF	41	5:28.57 P.KAWAKAMI	45	43.03 LYNN CARTEE	49
2:37.75 MARYANNE KEEVER	96	2:56.10 ELAINE FINCHAM	41	5:33.05 DEBORAH WALKER	45	43.57 JANET GETTLING	48
2:37.75 MARYANNE KEEVER	40	3:00.82 DENISE EVERITT	43	5:35.33 ANN LYTTLE	48	43.65 CANDY CHRISTENSON	49
2:43.25 LAURA VAL	44	3:08.79 KATHI BULLOCK	42	5:38.06 JONELLE SCHMIDT	45	43.86 LESLIE TREAT	47
2:43.82 JANE ZIEGLER	42	3:12.81 TERI HENDRYX	42	5:40.99 SHARON WISE	49	100 M. BRST WOMEN 45-49	
2:45.02 NANCY RENO	40	3:15.75 R.BRITTINGHAM	44	5:41.37 MARCIA BARRY	47	1:22.27 SUSAN ROY	94
2:50.56 MARYANN STEVENS	43	3:21.05 PHYLLIS QUINN	40	5:49.95 SALLY DILLON	49	1:26.28 DEBORAH WALKER	45
2:54.66 DENISE KIRWAN	44	3:50.87 DEBBIE UTZ	43	800 M. FREE WOMEN 45-49		1:26.60 A.WRIGHT-BELKNAP	45
2:58.74 KARLENE WISE	42	3:55.80 PATRICIA BAYERS	41	10:20.34 BARBARA DUNBAR	95	1:32.06 MEEGAN WILSON	47
3:00.38 CHRIS OTTATI	40	200 M. I.M. WOMEN 40-44		10:24.14 BARBARA DUNBAR	47	1:32.09 DALE BARNHARD	48
3:02.00 CANDY KANE	44	2:38.18 S.NEILSON-BELL	96	10:50.20 NANCY FISHER	45	1:32.36 HOLLY MACMURRAY	45
3:05.72 TERI HENDRYX	42	2:38.18 S.NEILSON-BELL	40	11:17.74 SUSI CHANDLER	45	1:34.42 SALLY DILLON	49
50 M. BRST WOMEN 40-44		2:40.19 DANIELLE OGIER	43	11:27.69 P.KAWAKAMI	45	1:35.62 LESLIE TREAT	47
37.02 A WRIGHT-BELKNAP	92	2:43.47 MARYANNE KEEVER	40	11:40.90 ANN LYTTLE	48	1:36.59 GERRE JONES	47
38.09 MELINDA MANN	40	2:48.82 MARYANN STEVENS	43	11:45.11 SALLY DILLON	49	1:36.81 JANET GETTLING	48
38.74 DEB WALKER	44	2:49.78 NANCY RENO	40	12:07.32 CATHY MANCINO	46	1:37.00 P.PAGLIARULO	46
39.02 JUDY TIBMA	40	2:52.42 EVELYN LYNCH	44	12:15.61 KATHRINE CASEY	47	200 M. BRST WOMEN 45-49	
39.81 DANIELLE OGIER	43	2:55.67 KRISSEY MACCUDY	43	12:25.22 CHRISTINE ZIMMET	48	3:05.29 DEB WALKER	96
41.02 SARA LUNDGAARD	41	2:56.02 DENISE KIRWAN	44	12:29.05 ANNE PAGE	48	3:05.29 DEB WALKER	45
41.12 MARY LIOTTA	44	2:56.82 JUDY TIBMA	40	1500 M. FREE WOMEN 45-49		3:10.50 A.WRIGHT-BELKNAP	45
41.27 KATIE MCNAMARA	41	2:58.45 KARLENE WISE	42	19:28.34 BARBARA DUNBAR	94	3:19.34 MEEGAN WILSON	47
41.37 KRISSEY MACCUDY	43	400 M. I.M. WOMEN 40-44		19:50.16 BARBARA DUNBAR	47	3:20.99 DALE BARNHARD	48
41.41 S. NEILSON-BELL	40	5:39.70 LAURA VAL	93	20:13.44 NANCY FISHER	45	3:23.10 SUSI CHANDLER	45
41.74 GAYLE BENTY	43	5:52.01 DANIELLE OGIER	43	21:28.74 P.KAWAKAMI	45	3:27.40 HOLLY MACMURRAY	45
100 M. BRST WOMEN 40-44		6:18.27 KARLENE WISE	42	22:06.03 MARCIA BARRY	47	3:28.45 STEPHANIE WALSH	47
1:21.73 DEBORAH WALKER	91	6:20.99 PHYLLIS QUINN	40	22:49.88 CATHERINE QUILL	46	3:31.08 LESLIE TREAT	47
1:24.04 MELINDA MANN	40	6:21.27 DENISE EVERITT	43	22:51.87 CATHY MANCINO	46	3:31.65 JANET GETTLING	48
1:25.27 JUDY TIBMA	40	6:27.19 TERI HENDRYX	42	23:25.61 KATHRINE CASEY	47	3:31.70 KATHRINE CASEY	48
1:27.22 DEB WALKER	44	6:30.82 PATRICIA SARGEANT	42	23:27.16 ANNE PAGE	48	50 M. FLY WOMEN 45-49	
1:27.38 DANIELLE OGIER	43	6:36.03 M.WINDRATH	43	24:23.53 LAURA CALWELL	45	30.74 ARDETH MUELLER	87
1:28.55 GAYLE BENTY	43	6:47.75 PAM ALLEN	40	24:36.33 JOANNE MENARD	48	33.89 R.BRITTINGHAM	45
1:29.02 MANDY SHUMAKER	40	6:55.91 SHERRY KITTRELL	44	50 M. BACK WOMEN 45-49		34.93 BARBARA DUNBAR	47
1:29.51 KRISSEY MACCUDY	43	6:59.66 SALLY FELLOWS	40	34.31 N FISHER	96	34.97 JONELLE SCHMIDT	45
1:32.41 MERRY FINCH	41	*****		34.31 NANCY FISHER	45	35.12 JANET ZANN	45
1:32.66 KATIE MCNAMARA	41	50 M. FREE WOMEN 45-49		38.53 MIMI FRANK	49	36.46 SANDI ROUSSEAU	48
1:33.13 EDNA MOORE	41	29.08 ARDETH MUELLER	87	38.69 JONELLE SCHMIDT	45	36.61 JUDY LEE	46
200 M. BRST WOMEN 40-44		29.90 NANCY FISHER	45	38.75 JEANNIE MITCHELL	49	36.81 CELESTE MILLER	46
2:59.24 GAYLE BENTY	93	30.72 R.BRITTINGHAM	45	39.76 JOANN MITCHELL	46	36.85 SHARON WISE	49
3:03.70 JUDY TIBMA	40	31.70 JONELLE SCHMIDT	45	40.07 MARY PETTEE	45	37.25 FIONA ATKINSON	46
3:06.12 GAYLE BENTY	43	32.16 P.KAWAKAMI	45	40.10 HOLLY MACMURRAY	45	37.31 A.WRIGHT-BELKNAP	45
3:06.75 MELINDA MANN	40	32.19 JANET ZANN	45	40.59 CAROL GUNDERSEN	48	100 M. FLY WOMEN 45-49	
3:07.74 DANIELLE OGIER	43	32.24 BARBARA DUNBAR	47	41.47 KATHRINE CASEY	47	1:12.67 ARDETH MUELLER	87
3:16.13 MANDY SHUMAKER	40	32.25 GERRE JONES	47	41.73 MARJORIE SHUER	45	1:15.35 BARBARA DUNBAR	47
3:18.43 KRISSEY MACCUDY	43	32.31 CELESTE MILLER	46	100 M. BACK WOMEN 45-49		1:22.33 CATHY MANCINO	46
3:19.32 DENISE EVERITT	43	32.88 SHARON WISE	49	1:14.83 CECILIA MCCLOSKEY95		1:22.50 R.BRITTINGHAM	45
3:20.36 CATHY SCHULBACH	42	32.98 ANN LYTTLE	48	1:24.13 JONELLE SCHMIDT	45	1:23.15 STEPHANIE WALSH	47
3:21.66 NANCY RENO	40	100 M. FREE WOMEN 45-49		1:24.63 JEANNIE MITCHELL	49	1:25.67 CATHERINE QUILL	46
3:23.95 MELISSA MALDOVAN	43	1:05.44 ARDETH MUELLER	87	1:27.63 STEPHANIE WALSH	47	1:27.65 A. SUSAN TYLER	47
50 M. FLY WOMEN 40-44		1:08.91 CELESTE MILLER	46	1:28.23 KATHRINE CASEY	47	1:29.74 CHRISTINE ZIMMET	48
29.89 LAURA VAL	94	1:08.91 BARBARA DUNBAR	47	1:28.44 JUDY LEE	46	1:29.79 JUDY LEE	46
31.87 MELINDA MANN	40	1:09.71 P.KAWAKAMI	45	1:28.80 CHRISTINE ZIMMET	48	1:31.45 JANET GETTLING	48
32.01 KARLENE WISE	42	1:10.49 JONELLE SCHMIDT	45	1:28.99 HOLLY MACMURRAY	45	1:31.46 SUSAN TYLER	47
32.28 MARYANNE KEEVER	40	1:10.52 R.BRITTINGHAM	45	1:30.26 MARCIA BARRY	47	200 M. FLY WOMEN 45-49	
32.71 MARYANN STEVENS	43	1:11.89 SALLY DILLON	49	1:30.90 MARJORIE SHUER	45	2:38.78 BARBARA DUNBAR	94
32.86 CAROL PFLUGHEBER	43	1:13.20 ANN LYTTLE	48	1:32.66 SUSAN BEHLER	46	2:42.08 BARBARA DUNBAR	47
33.01 SUSAN SKIFF	41	1:13.55 MARCIA BARRY	47	200 M. BACK WOMEN 45-49		3:00.85 CATHY MANCINO	46
33.09 ELAINE FINCHAM	41	1:14.23 KATHRINE CASEY	47	2:42.60 CECILIA MCCLOSKEY95		3:12.52 CATHERINE QUILL	46
33.11 DEBBIE FLANSBURG	40	1:15.52 JOANN MITCHELL	46	2:44.19 NANCY FISHER	45	3:20.98 R.BRITTINGHAM	45
33.75 R.BRITTINGHAM	44	200 M. FREE WOMEN 45-49		3:08.27 JEANNIE MITCHELL	49	3:28.33 CHRISTINE ZIMMET	48
34.46 CYNTHIA MALTRY	41	2:22.85 BARBARA DUNBAR	96	3:08.77 STEPHANIE WALSH	47	3:30.21 BARBARA LARSEN	48
100 M. FLY WOMEN 40-44		2:22.85 BARBARA DUNBAR	47	3:12.04 SUSAN BEHLER	46	3:37.59 SANDI ROUSSEAU	48
1:06.27 LAURA VAL	92	2:26.40 NANCY FISHER	45	3:13.53 KATHRINE CASEY	47	3:38.70 FRANCES SHEPHERD	47
1:08.60 LAURA VAL	44	2:28.76 CELESTE MILLER	46	3:13.95 CHRISTINE ZIMMET	48	3:43.06 MARSHA HEINIG	49
1:09.87 S.NEILSON-BELL	40	2:33.42 P.KAWAKAMI	45	3:15.72 MARJORIE SHUER	45	3:46.12 CATHERINE BROOKS	48
1:11.07 DEBBIE FLANSBURG	40	2:40.26 ANN LYTTLE	48	3:17.46 MARCIA BARRY	47	200 M. I.M. WOMEN 45-49	
1:12.44 SUSAN SKIFF	41	2:41.30 MARCIA BARRY	47	3:19.83 SANDRA CATHEY	47	2:46.22 CECILIA MCCLOSKEY95	
1:12.67 MARYANN STEVENS	43	2:41.44 JONELLE SCHMIDT	45	3:21.21 BARBARA LARSEN	48	2:53.46 BARBARA DUNBAR	47
1:13.80 MELINDA MANN	40	2:41.51 SALLY DILLON	49	50 M. BRST WOMEN 45-49		2:54.28 CELESTE MILLER	46

# TOP TEN - LONG COURSE METERS

2:54.94 DEB WALKER 45	12:58.95 VICKI BUCCINO 50	1:40.34 BETSY DURRANT 54	32.59 JAYNE BRUNER 91
3:01.92 JONELLE SCHMIDT 45	13:02.37 NANCY KIRKENDALL 53	1:40.47 BARBARA FRID 54	34.80 JAYNE LAMBKE 57
3:10.27 LYNN CARTEE 49	13:11.42 PATRICIA DAVIS 51	1:42.17 AAGJE CARON 54	36.10 SALLY NEWELL 58
3:12.53 ANNE PAGE 48	13:13.71 CYNTHIA O'HARE 52	200 M. BRST WOMEN 50-54	36.18 BARBARA ZAREMSKI 59
3:16.31 CANDACE LANG 46	13:17.44 JENNIFER PARKS 52	3:15.41 CAROLYN BOAK 95	36.42 BETSY JORDAN 59
3:18.03 JANET GETTLING 48	13:21.66 GINGER PIERSON 50	3:16.71 ELAINE BROMWICH 53	37.27 MARGIE HEINEMAN 59
3:18.42 A. SUSAN TYLER 47	1500 M. FREE WOMEN 50-54	3:17.15 CAROLYN BOAK 51	37.98 CEIL BLACKWELL 55
3:19.64 CHRIS WEBER 48	21:02.46 ARDETH MUELLER 91	3:17.72 GINGER PIERSON 50	38.16 MARGARET VANEVERY 55
400 M. I.M. WOMEN 45-49	23:25.47 SARAH BROUGHER 54	3:28.56 DANIELA BARNEA 52	38.67 PATRICIA TULLMAN 59
5:53.25 BARBARA DUNBAR 96	23:27.50 ANN SVANSON 50	3:29.49 MARGOT PETTIJOHN 50	39.76 CLAIRE O'BRIEN 57
5:53.25 BARBARA DUNBAR 47	23:44.19 BARBARA FRID 54	3:39.28 NANCY BROOKS 53	40.54 BARBARA DILLARD 57
6:22.87 SUSI CHANDLER 45	24:03.98 JACKIE MARR 53	3:39.62 AAGJE CARON 54	100 M. FREE WOMEN 55-59
6:25.23 P.KAWAKAMI 45	24:48.49 NANCY KIRKENDALL 53	3:40.72 TITA ARNOLD 54	1:12.34 JAYNE BRUNER 89
6:31.68 NANCY FISHER 45	24:55.46 CYNTHIA O'HARE 52	3:47.82 BARBARA GOLTZ 50	1:17.89 JAYNE LAMBKE 57
6:31.89 STEPHANIE WALSH 47	25:02.14 JENNIFER PARKS 52	3:50.50 JANIT ROMAYKO 51	1:22.70 BARBARA ZAREMSKI 59
6:38.59 CATHY MANCINO 46	25:04.18 TERRI FRANKLIN 50	50 M. FLY WOMEN 50-54	1:23.22 BETSY JORDAN 59
6:56.70 KATHRINE CASEY 47	25:25.43 GINGER PIERSON 50	31.69 ARDETH MUELLER 93	1:24.67 CLAIRE O'BRIEN 57
6:57.44 CHRIS WEBER 48	25:38.41 BETSY DURRANT 54	35.05 CAROLYN BOAK 51	1:25.08 SALLY NEWELL 58
7:06.96 A. SUSAN TYLER 47	50 M. BACK WOMEN 50-54	35.08 SARAH BROUGHER 54	1:26.61 PATRICIA TULLMAN 59
7:08.63 SANDRA CATHEY 47	37.62 BETSY JORDAN 91	35.80 NANCY RIDOUT 54	1:28.92 MARGIE HEINEMAN 59
*****	38.41 BETTY BENNETT 53	37.11 BARBARA FRID 54	1:29.01 SYLVIA DAWSON 56
50 M. FREE WOMEN 50-54	39.06 EVELYN HAUSBERGER 52	37.51 IRENE DAVID 52	1:29.30 SALLY BOLAR 57
29.33 ARDETH MUELLER 93	40.46 MARY POHLMANN 51	38.01 GINGER PIERSON 50	1:30.16 LUNNE LUND 55
30.94 NANCY RIDOUT 54	41.01 JANE KATZ 53	38.62 CYNTHIA O'HARE 52	200 M. FREE WOMEN 55-59
31.33 CAROLYN BOAK 51	41.11 GINGER PIERSON 50	38.88 JACKIE MARR 53	2:42.04 LAVELLE STOINOFF 88
32.12 CYNTHIA O'HARE 52	41.30 CAROL ADAMS 52	39.13 ALICE ZABUDSKY 51	2:52.93 JAYNE LAMBKE 57
32.58 GINGER PIERSON 50	41.63 NANCY KIRKENDALL 53	39.39 ANN SVANSON 50	3:02.04 BETSY JORDAN 59
33.19 JACKIE MARR 53	41.91 BARBARA FRID 54	100 M. FLY WOMEN 50-54	3:03.79 CLAIRE O'BRIEN 57
34.06 IRENE DAVID 52	43.04 NANCY JEAN BROOKS 53	1:13.86 ARDETH MUELLER 93	3:07.38 BARBARA ZAREMSKI 59
34.83 BARBARA FRID 54	43.23 SARAH BROUGHER 54	1:25.39 NANCY RIDOUT 54	3:07.43 JOANN LEILICH 57
35.44 CHRISTINE CLUM 50	100 M. BACK WOMEN 50-54	1:29.67 JACKIE MARR 53	3:10.08 MARGIE HEINEMAN 59
35.93 NANCY JEAN BROOKS 53	1:23.29 BETSY JORDAN 91	1:30.39 GINGER PIERSON 50	3:14.22 SANDRA KINGDON 57
36.20 NANCY KIRKENDALL 53	1:25.57 EVELYN HAUSBERGER 52	1:31.35 IRENE DAVID 52	3:16.64 PATRICIA TULLMAN 59
100 M. FREE WOMEN 50-54	1:25.77 BETTY BENNETT 53	1:35.95 ANN SVANSON 50	3:20.54 MARIE MAINVILLE 55
1:07.42 ARDETH MUELLER 92	1:28.07 MARY POHLMANN 51	1:44.48 ANN ANTON 52	3:22.32 SHIRLEY DACEY 59
1:10.34 CAROLYN BOAK 51	1:30.53 GINGER PIERSON 50	1:52.62 SUE JEWELL 53	400 M. FREE WOMEN 55-59
1:11.94 NANCY RIDOUT 54	1:31.79 JANE KATZ 53	1:58.16 AAGJE CARON 54	5:36.66 LAVELLE STOINOFF 88
1:13.92 EVELYN HAUSBERGER 52	1:33.71 BARBARA FRID 54	2:00.85 KATHLEEN WILBURN 52	6:16.64 BETSY JORDAN 59
1:14.58 JACKIE MARR 53	1:34.29 JENNIFER PARKS 52	2:05.20 FREDERICKA RAPP 52	6:19.77 JAYNE LAMBKE 56
1:15.35 CYNTHIA O'HARE 52	1:34.54 NANCY KIRKENDALL 53	200 M. FLY WOMEN 50-54	6:46.38 SANDRA KINGDON 57
1:17.37 ANN SVANSON 50	1:36.79 JACKIE MARR 52	2:49.53 ARDETH MUELLER 91	6:51.16 BARBARA ZAREMSKI 59
1:19.00 GINGER PIERSON 50	1:37.95 JAYNE CHASTAIN 50	3:16.22 GINGER PIERSON 50	6:57.51 JOANN LEILICH 57
1:19.73 BARBARA FRID 54	200 M. BACK WOMEN 50-54	3:35.82 IRENE DAVID 52	7:01.28 MARIE MAINVILLE 55
1:20.55 CHRISTINE CLUM 50	3:01.07 BETSY JORDAN 87	3:39.65 MARY POHLMANN 51	7:03.43 SUSAN SPRINGER 57
1:20.89 NANCY KIRKENDALL 53	3:07.35 EVELYN HAUSBERGER 52	3:47.67 ANN SVANSON 50	7:03.73 SUSAN LIVINGSTON 57
200 M. FREE WOMEN 50-54	3:09.44 MARY POHLMANN 51	3:53.30 TERRI FRANKLIN 50	7:08.67 PATRICIA TULLMAN 59
2:29.22 ARDETH MUELLER 93	3:11.88 BETTY BENNETT 53	3:58.85 ANN ANTON 52	7:10.03 MARGIE HEINEMAN 59
2:34.71 CAROLYN BOAK 51	3:13.07 JANE KATZ 53	4:06.55 AAGJE CARON 54	800 M. FREE WOMEN 55-59
2:42.40 NANCY RIDOUT 54	3:14.14 SARAH BROUGHER 54	4:38.87 FREDERICKA RAPP 52	11:30.97 LAVELLE STOINOFF 88
2:47.59 JACKIE MARR 53	3:24.45 GINGER PIERSON 50	2:53.40 CAROLYN BOAK 95	12:55.09 BETSY JORDAN 59
2:49.62 EVELYN HAUSBERGER 52	3:27.43 JENNIFER PARKS 52	2:58.40 CAROLYN BOAK 51	13:04.23 CLAIRE O'BRIEN 57
2:52.77 CYNTHIA O'HARE 52	3:27.69 JUDITH MARTIN 54	3:07.63 GINGER PIERSON 50	13:43.26 BARBARA ZAREMSKI 59
2:55.17 GINGER PIERSON 50	3:30.15 ANN SVANSON 50	3:14.30 BETTY BENNETT 53	14:10.13 SUSAN LIVINGSTON 57
2:56.44 ANN SVANSON 50	3:33.40 MARIANA PHIPPS 52	3:18.20 ANN SVANSON 50	14:12.66 SANDRA KINGDON 57
3:01.04 IRENE DAVID 52	50 M. BRST WOMEN 50-54	3:18.21 EVELYN HAUSBERGER 52	14:29.77 PATRICIA TULLMAN 59
3:02.63 VICKI BUCCINO 50	39.82 CAROLYN BOAK 96	3:21.03 ALICE ZABUDSKY 51	14:36.05 SYLVIA DAWSON 56
3:04.15 NANCY KIRKENDALL 53	39.82 CAROLYN BOAK 51	3:21.74 MARGOT PETTIJOHN 50	14:45.84 SALLY BOLAR 57
400 M. FREE WOMEN 50-54	40.00 GINGER PIERSON 50	3:24.74 CYNTHIA O'HARE 52	14:48.92 SYLVIA GLENN 58
5:16.62 ARDETH MUELLER 91	41.85 ELAINE BROMWICH 53	3:26.26 V.REINIKAINEN 53	14:51.03 SHIRLEY DACY 59
5:33.03 CAROLYN BOAK 51	44.22 NANCY BROOKS 53	3:27.02 DANIELA BARNEA 52	1500 M. FREE WOMEN 55-59
5:56.79 NANCY RIDOUT 54	44.51 CHRISTINE CLUM 50	400 M. I.M. WOMEN 50-54	22:18.91 LAVELLE STOINOFF 88
6:02.55 JACKIE MARR 53	44.67 MARGOT PETTIJOHN 50	6:12.08 ARDETH MUELLER 92	25:18.75 BETSY JORDAN 59
6:07.26 ANN SVANSON 50	45.70 BETSY DURRANT 54	6:20.95 CAROLYN BOAK 51	26:34.59 SUSAN LIVINGSTON 57
6:09.07 CYNTHIA O'HARE 52	46.44 TITA ARNOLD 54	6:49.41 ELAINE BROMWICH 53	26:55.40 SANDRA KINGDON 57
6:17.58 JANE KATZ 53	47.61 AAGJE CARON 54	6:52.98 GINGER PIERSON 50	27:01.91 BARBARA ZAREMSKI 59
6:17.86 BARBARA FRID 54	47.77 JUDY MARTIN 54	6:57.46 JACKIE MARR 53	27:27.45 SUSAN SPRINGER 57
6:20.00 NANCY KIRKENDALL 53	100 M. BRST WOMEN 50-54	7:01.83 MARY POHLMANN 51	27:35.48 SYLVIA DAWSON 56
6:21.81 VICKI BUCCINO 50	1:28.83 JOANN LEILICH 90	7:02.70 BETTY BENNETT 53	27:56.68 SHIRLEY DACEY 59
6:22.77 GINGER PIERSON 50	1:30.64 GINGER PIERSON 50	7:13.53 MARGOT PETTIJOHN 50	28:09.71 SYLVIA GLENN 58
800 M. FREE WOMEN 50-54	1:32.59 ELAINE BROMWICH 53	7:18.84 ANN SVANSON 50	28:21.37 MARILYN RAMEY 56
10:58.47 ARDETH MUELLER 91	1:33.58 CAROLYN BOAK 51	7:35.95 TERRI FRANKLIN 50	28:31.86 SALLY BOLAR 57
12:16.24 SARAH BROUGHER 54	1:35.21 DANIELA BARNEA 52	8:02.34 TRISH LEWIS 51	50 M. BACK WOMEN 55-59
12:29.91 NANCY RIDOUT 54	1:36.15 MARGOT PETTIJOHN 50	*****	37.30 BETSY JORDAN 92
12:32.42 ANN SVANSON 50	1:36.89 CHRISTINE CLUM 50	50 M. FREE WOMEN 55-59	38.92 BETSY JORDAN 59
12:43.69 BARBARA FRID 54	1:37.49 NANCY BROOKS 53		43.80 LUNNE LUND 55

# TOP TEN - LONG COURSE METERS

46.14 BARBARA DILLARD 58	47.07 SANDY CATTARIN 57	1:32.94 JEAN GARBUS 62	3:12.84 LAVELLE STOINOFF 94
46.30 CEIL BLACKWELL 55	47.51 CEIL BLACKWELL 55	1:37.12 CAROL FERGUSON 64	3:21.76 LAVELLE STOINOFF 63
46.79 JUDY KENNEDY 58	51.24 MARILYN RAMEY 55	200 M. FREE WOMEN 60-64	3:22.26 ANN CHAMP 60
47.09 MARGARET VANEVERY 55	52.97 ERNESTINE BEATTIE 59	2:43.83 LAVELLE STOINOFF 93	3:30.34 NANCY BROWN 60
47.19 MARGIT JEBE 58	53.47 JUDY KENNEDY 58	2:54.25 LAVELLE STOINOFF 63	3:41.62 BEVERLY MYERS 61
47.22 JOANN LEILICH 57	100 M. FLY WOMEN 55-59	2:57.24 DIANE STOWELL 62	3:45.39 DORIS KLITZKE 61
47.84 LYNN HIGGINS 55	1:27.49 GAIL ROPER 85	3:03.54 NANCY BROWN 60	3:58.64 SUZANNE ROBBINS 62
48.42 SUSAN SPRINGER 57	1:36.26 JAYNE LAMBKE 57	3:04.37 JAYNE BRUNER 62	4:01.70 BARBARA CALLISON 63
100 M. BACK WOMEN 55-59	1:42.81 MARGIT JEBE 58	3:13.44 ANNE MCGUIRE 61	4:02.22 MARIA YUNGEL 64
1:21.42 BETSY JORDAN 92	1:44.24 BETSY JORDAN 59	3:16.37 ANN KAY 62	4:06.97 DONNA EDELBAUM 62
1:25.81 BETSY JORDAN 59	1:47.86 SALLY BOLAR 57	3:18.17 LIDA GASCHKE 64	4:12.68 BARBARA ALLEN 62
1:41.41 LUNNE LUND 55	1:47.91 SUSAN LIVINGSTON 57	3:21.03 BEVERLY MYERS 61	50 M. BRST WOMEN 60-64
1:42.11 BARBARA DILLARD 58	1:53.82 PATRICIA TULLMAN 59	3:27.71 VALERIE LYONS 61	42.48 JAYNE BRUNER 96
1:42.35 BARBARA ZAREMSKI 59	2:10.19 SANDY CATTARIN 57	3:27.75 JEAN GARBUS 62	42.48 JAYNE BRUNER 62
1:43.19 JUDY KENNEDY 58	2:12.54 PATRICIA ARNOLD 57	400 M. FREE WOMEN 60-64	46.84 ANNE MCGUIRE 61
1:43.69 CEIL BLACKWELL 55	2:21.80 CAROL LOWENGRUB 59	5:47.52 LAVELLE STOINOFF 93	48.72 LILLY KRON 64
1:44.22 MARGARET VANEVERY 55	3:16.64 FRANCES SHELTON 57	6:02.20 LAVELLE STOINOFF 63	50.20 BEVERLY MYERS 61
1:46.23 JAYNE LAMBKE 56	200 M. FLY WOMEN 55-59	6:20.65 DIANE STOWELL 62	51.50 DORIS PROKOPI 60
1:46.76 MARILYN RAMEY 56	3:19.84 GAIL ROPER 85	6:31.48 NANCY BROWN 60	52.47 DORIS KLITZKE 61
1:49.29 SHIRLEY DACEY 59	3:50.70 BETSY JORDAN 59	6:44.14 ANNE MCGUIRE 61	53.03 BEVERLY TUCKER 61
200 M. BACK WOMEN 55-59	3:51.81 MARGIT JEBE 58	6:56.59 LIDA GASCHKE 64	53.43 VALERIE LYONS 61
2:59.18 BETSY JORDAN 92	3:55.20 SUSAN LIVINGSTON 57	7:19.31 VALERIE LYONS 61	53.57 CAROL FERGUSON 64
3:09.76 BETSY JORDAN 59	3:58.42 SALLY BOLAR 57	7:42.26 JEAN GARBUS 62	53.81 SANDRA KREMER 60
3:39.79 LUNNE LUND 55	4:10.03 BARBARA ZAREMSKI 59	7:48.28 BARBARA JOHNSON 63	100 M. BRST WOMEN 60-64
3:40.09 CEIL BLACKWELL 55	4:14.91 ELIZABETH JOHNSON 57	7:49.09 SANDRA KREMER 60	1:34.12 JAYNE BRUNER 96
3:40.70 JOANN LEILICH 57	4:32.18 INGRID STINE 57	7:52.50 MARIE MULCAHY 61	1:34.12 JAYNE BRUNER 62
3:40.88 SUSAN LIVINGSTON 57	5:15.75 LYNN HIGGINS 55	800 M. FREE WOMEN 60-64	1:42.41 ANNE MCGUIRE 61
3:42.59 JUDY KENNEDY 58	6:18.22 KAY MARTIN 59	12:01.79 LAVELLE STOINOFF 94	1:43.63 LILLY KRON 64
3:43.74 BARBARA DILLARD 58	200 M. I.M. WOMEN 55-59	12:35.81 LAVELLE STOINOFF 63	1:43.66 DIANE STOWELL 62
3:47.53 SHIRLEY DACEY 59	3:06.11 JAYNE BRUNER 92	12:37.39 DIANE STOWELL 61	1:47.98 BEVERLY MYERS 61
3:47.91 SUSAN SPRINGER 57	3:24.00 BETSY JORDAN 59	13:33.42 NANCY BROWN 60	1:48.59 LAVELLE STOINOFF 63
3:55.75 MARILYN RAMEY 56	3:27.14 JAYNE LAMBKE 56	13:49.04 ANNE MCGUIRE 61	1:54.37 BARBARA CALLISON 63
50 M. BRST WOMEN 55-59	3:32.36 JOANN LEILICH 57	14:29.15 LIDA GASCHKE 64	1:54.46 SANDRA KREMER 60
39.91 JAYNE BRUNER 91	3:33.63 MARGIT JEBE 58	14:44.99 DONNA MONROE 62	1:57.19 CAROL FERGUSON 64
42.22 JOANN LEILICH 57	3:36.50 LUNNE LUND 55	15:25.29 VALERIE LYONS 61	1:57.81 DORIS PROKOPI 60
44.28 SALLY NEWELL 58	3:45.71 CEIL BLACKWELL 55	15:27.62 KATE KNIGHT-PERRY 61	200 M. BRST WOMEN 60-64
45.60 MARGIT JEBE 58	3:48.22 ELIZABETH JOHNSON 57	15:34.50 BARBARA CALLISON 63	3:34.21 JAYNE BRUNER 96
46.50 ILONA SIKE 55	3:51.93 MARILYN RAMEY 56	16:08.58 SUSAN BOND 60	3:34.21 JAYNE BRUNER 62
48.14 JACQUELYN PIPER 59	3:57.25 SUSAN SPRINGER 57	1500 M. FREE WOMEN 60-64	3:38.52 DIANE STOWELL 61
48.94 MARGIE HEINEMAN 59	4:05.14 SALLY BOLAR 56	22:50.81 LAVELLE STOINOFF 95	3:41.96 LILLY KRON 64
49.19 ELIZABETH JOHNSON 57	400 M. I.M. WOMEN 55-59	24:19.64 LAVELLE STOINOFF 63	3:41.96 ANNE MCGUIRE 61
49.41 MARGARET VANEVERY 55	6:42.05 GAIL ROPER 85	25:23.69 NANCY BROWN 60	3:43.57 LAVELLE STOINOFF 63
50.11 BETSY JORDAN 59	7:07.40 JOANN LEILICH 57	26:20.32 ANNE MCGUIRE 61	3:56.37 BEVERLY MYERS 61
50.50 CEIL BLACKWELL 55	7:11.07 BETSY JORDAN 59	27:58.34 DONNA MONROE 62	4:11.28 BARBARA CALLISON 63
100 M. BRST WOMEN 55-59	7:30.86 MARGIT JEBE 58	29:11.21 KATE KNIGHT-PERRY 61	4:11.93 CAROL FERGUSON 64
1:29.88 JAYNE BRUNER 92	7:36.07 JAYNE LAMBKE 56	30:18.71 SUSAN BOND 60	4:13.36 SANDRA KREMER 60
1:32.54 JOANN LEILICH 57	7:39.47 SUSAN LIVINGSTON 57	31:38.75 MARIE MULCAHY 61	4:18.44 DORIS PROKOPI 60
1:39.56 SALLY NEWELL 58	7:50.28 ELIZABETH JOHNSON 57	32:43.67 BARBARA ALLEN 62	50 M. FLY WOMEN 60-64
1:39.77 MARGIT JEBE 58	8:19.14 MARILYN RAMEY 56	33:17.46 DONNA EDELBAUM 62	38.10 JAYNE BRUNER 94
1:41.92 ILONA SIKE 55	8:27.39 SALLY BOLAR 57	33:37.01 CAROL MORGAN 64	38.50 JAYNE BRUNER 62
1:46.86 JACQUELYN PIPER 59	8:47.44 PATRICIA ARNOLD 57	50 M. BACK WOMEN 60-64	42.84 DORIS KLITZKE 61
1:48.78 MARGARET VANEVERY 55	8:48.35 INGRID STINE 57	40.35 DORIS STEADMAN 89	43.67 BEVERLY MYERS 61
1:49.00 ELIZABETH JOHNSON 57	*****	43.80 JAYNE BRUNER 62	44.89 ANNE MCGUIRE 61
1:51.83 SANDRA KINGDON 57	50 M. FREE WOMEN 60-64	43.87 ANN CHAMP 60	45.42 NANCY BROWN 60
1:51.86 BETSY JORDAN 59	32.77 JAYNE BRUNER 95	44.14 DIANE STOWELL 61	47.31 BARBARA CALLISON 63
1:52.79 MARILYN RAMEY 56	33.75 JAYNE BRUNER 62	44.32 DORIS KLITZKE 61	50.15 JEAN GARBUS 62
200 M. BRST WOMEN 55-59	35.74 DIANE STOWELL 61	44.95 NANCY BROWN 60	51.34 ERNESTINE BEATTIE 60
3:19.93 JOANN LEILICH 94	36.69 LAVELLE STOINOFF 63	45.23 BEVERLY MYERS 61	52.30 DONNA EDELBAUM 62
3:20.24 JOANN LEILICH 57	36.81 DORIS KLITZKE 61	46.16 LAVELLE STOINOFF 63	53.16 SHIRLEY BEHELER 62
3:36.31 MARGIT JEBE 58	38.18 NANCY BROWN 60	46.50 SUZANNE ROBBINS 62	100 M. FLY WOMEN 60-64
3:41.20 SALLY NEWELL 58	38.81 JEAN GARBUS 62	48.48 JEAN FOX 61	1:31.34 JAYNE BRUNER 96
3:42.67 ILONA SIKE 55	39.31 JEAN FOX 61	51.89 DORIS PROKOPI 60	1:31.34 JAYNE BRUNER 62
3:54.40 ELIZABETH JOHNSON 57	39.50 BEVERLY MYERS 61	100 M. BACK WOMEN 60-64	1:44.31 NANCY BROWN 60
3:54.82 MARGARET VANEVERY 55	39.79 BARBARA JOHNSON 63	1:31.06 CLARA WALKER 86	1:45.77 ANNE MCGUIRE 61
4:01.91 MARILYN RAMEY 56	41.40 BARBARA CALLISON 63	1:32.71 ANN CHAMP 60	1:59.52 BARBARA CALLISON 63
4:02.80 BARBARA ZAREMSKI 59	100 M. FREE WOMEN 60-64	1:36.78 LAVELLE STOINOFF 63	2:02.32 DONNA EDELBAUM 62
4:03.22 JACQUELYN PIPER 59	1:14.69 JAYNE BRUNER 94	1:36.96 BEVERLY MYERS 61	2:05.68 SHIRLEY BEHELER 62
4:08.65 SANDRA KINGDON 57	1:17.40 JAYNE BRUNER 62	1:37.11 NANCY BROWN 60	2:06.26 JEAN GARBUS 62
50 M. FLY WOMEN 55-59	1:20.67 DIANE STOWELL 61	1:38.78 DIANE STOWELL 62	2:15.59 PAT PETERSEN 61
35.29 GAIL ROPER 85	1:24.34 NANCY BROWN 60	1:40.29 DORIS KLITZKE 61	2:23.37 DORIS PROKOPI 60
39.62 JAYNE LAMBKE 57	1:24.54 DORIS KLITZKE 61	1:43.53 ANN KAY 62	3:36.15 MARY WILLIAMS 64
40.54 LUNNE LUND 55	1:24.89 BEVERLY MYERS 61	1:48.07 SUZANNE ROBBINS 62	200 M. FLY WOMEN 60-64
40.95 BETSY JORDAN 59	1:28.90 LIDA GASCHKE 64	1:53.07 BARBARA CALLISON 63	3:32.87 GAIL ROPER 90
43.64 MARGIE HEINEMAN 59	1:31.26 ANN KAY 62	1:55.73 BARBARA ALLEN 62	3:41.52 NANCY BROWN 60
43.76 JEANNE LITTLE 59	1:31.57 JEAN FOX 61	200 M. BACK WOMEN 60-64	3:46.37 ANNE MCGUIRE 61



# TOP TEN - LONG COURSE METERS

4:34.51	DONNA EDELBAUM	62	13:23.69	JUNE KRAUSER	69	2:04.66	HANNELORE SNYDER	65	9:37.69	MARIAN WOLLE	68
7:16.23	MARY WILLIAMS	64	13:29.75	GAIL ROPER	66	2:10.67	RUTH AARON	67	9:45.83	RUTH HOSKINSON	66
200 M. I.M. WOMEN 60-64			14:21.72	ANN HIRSCH	65	2:15.27	GEORGIA GOGGIN	66	*****		
3:17.40	CLARA WALKER	86	14:33.03	BETTY RUSS	69	2:17.47	JOAN GLARATON	69	50 M. FREE WOMEN 70-74		
3:17.80	JAYNE BRUNER	62	14:34.83	MALCHIA OLSHAN	65	2:19.68	ESTELLE SHUER	69	36.13	CLARA WALKER	96
3:24.19	DIANE STOWELL	62	14:43.89	ANITA HAZEN	68	200 M. BRST WOMEN 65-69			36.13	CLARA WALKER	70
3:28.34	NANCY BROWN	60	15:23.87	NANCY DURSTEIN	66	3:46.00	ANN HIRSCH	96	38.13	FLORENCE CARR	70
3:31.83	BEVERLY MYERS	61	15:35.53	EDIE GRUENDER	68	3:46.00	ANN HIRSCH	65	38.30	PETEY SMITH	71
3:34.97	ANNE MCGUIRE	61	16:15.53	RUTH FARNHAM	66	3:52.45	GAIL ROPER	67	40.55	JUNE KRAUSER	70
3:40.57	DORIS KLITZKE	61	16:47.70	BETTY MC MILLAN	67	4:27.31	BETH BLICKFELDT	69	41.19	MARGERY MEYER	73
3:44.76	BARBARA CALLISON	63	1500 M. FREE WOMEN 65-69		4:27.91	BARBARA OWENS	66	42.20	DOROTHY DONNELLY	74	
3:55.37	LILLY KRON	64	24:07.05	CLARA WALKER	92	4:33.46	MALCHIA OLSHAN	65	42.23	BETTY CHRISTIAN	74
3:58.60	JEAN GARBUS	62	25:11.23	JUNE KRAUSER	69	4:34.86	RUTH AARON	67	42.24	JEANNE MERRYMAN	73
4:13.84	DORIS PROKOPI	60	25:14.99	GAIL ROPER	66	4:36.84	HANNELORE SNYDER	66	42.36	RUTH BAAR	73
400 M. I.M. WOMEN 60-64			27:19.47	MALCHIA OLSHAN	65	4:53.20	NANCY DURSTEIN	66	42.39	ELLA CARMICHAEL	73
6:59.45	CLARA WALKER	86	27:57.95	ANITA HAZEN	68	4:55.13	RENEE PROTOPAPAS	66	100 M. FREE WOMEN 70-74		
7:15.90	NANCY BROWN	60	29:06.84	NANCY DURSTEIN	66	4:55.70	JOAN GLARATON	69	1:21.57	CLARA WALKER	96
7:29.91	ANNE MCGUIRE	61	29:42.00	PARKIE COPELAND	66	50 M. FLY WOMEN 65-69			1:21.57	CLARA WALKER	70
8:03.25	LILLY KRON	64	31:29.11	RUTH FARNHAM	66	39.18	GAIL ROPER	96	1:27.90	JUNE KRAUSER	70
8:13.49	BARBARA CALLISON	63	32:54.45	BETH BLICKFELDT	69	39.18	GAIL ROPER	67	1:28.61	FLORENCE CARR	70
8:34.88	JEAN GARBUS	62	33:09.46	NANCY REED	69	43.62	JUNE KRAUSER	69	1:31.84	PETEY SMITH	72
8:53.54	MARIA YUNGEL	64	33:09.97	JOAN MCINTYRE	67	47.16	NANCY MACBETH	67	1:32.78	MARGERY MEYER	73
9:10.21	DONNA MONROE	62	50 M. BACK WOMEN 65-69		48.09	EDIE GRUENDER	67	1:35.99	C.WILLIAMS	72	
12:03.45	MARY WILLIAMS	64	39.85	CLARA WALKER	92	48.49	ANN HIRSCH	65	1:39.20	DOROTHY DONNELLY	74
*****											
50 M. FREE WOMEN 65-69			43.88	GAIL ROPER	67	48.82	PARKIE COPELAND	66	1:39.36	ELLA CARMICHAEL	73
34.17	GAIL ROPER	96	45.16	JUDITH CHADIMA	66	55.75	GAY COLLINS	65	1:39.60	RUTH BAAR	73
34.17	GAIL ROPER	67	48.40	ANN HIRSCH	65	55.83	JILL COLEMAN	66	1:40.93	LOIS NOCHMAN	71
38.06	NANCY MACBETH	66	48.73	NANCY MACBETH	67	56.02	RUTH HOSKINSON	66	200 M. FREE WOMEN 70-74		
38.87	DIANE REED	65	53.16	STEFANENA KYSOR	67	56.99	LISA BOGATKO	66	3:04.56	CLARA WALKER	96
39.44	JUDITH CHADIMA	66	54.44	JOAN MC INTYRE	67	100 M. FLY WOMEN 65-69			3:04.56	CLARA WALKER	70
41.33	BETTY RUSS	69	54.70	NAN BOHL	67	1:36.68	GAIL ROPER	96	3:09.82	JUNE KRAUSER	70
41.72	NAN BOHL	67	55.03	NANCY DURSTEIN	66	1:36.68	GAIL ROPER	67	3:21.02	PETEY SMITH	72
42.34	GAY COLLINS	65	55.04	GAY COLLINS	66	1:42.00	JUNE KRAUSER	69	3:22.16	FLORENCE CARR	71
42.93	ANITA HAZEN	68	55.50	MARIAN BRENNER	65	1:49.52	ANN HIRSCH	65	3:22.39	MARGERY MEYER	73
43.03	MALCHIA OLSHAN	65	100 M. BACK WOMEN 65-69		1:54.33	NANCY MACBETH	67	3:40.98	RUTH BAAR	73	
44.84	MARIAN BRENNER	65	1:30.97	CLARA WALKER	91	1:57.41	EDIE GUENDER	67	3:42.43	LOIS NOCHMAN	71
100 M. FREE WOMEN 65-69			1:41.61	GAIL ROPER	67	1:58.57	BETTY RUSS	69	3:45.10	ELLA CARMICHAEL	73
1:16.84	CLARA WALKER	92	1:41.99	JUDITH CHADIMA	66	1:58.82	CAROL TAYLOR	66	3:45.40	DOROTHY DONNELLY	74
1:18.00	GAIL ROPER	67	1:46.48	NANCY MACBETH	67	1:59.34	DELLA SEHORN	69	3:47.20	RUTH MANFREDI	72
1:28.22	BETTY RUSS	69	1:48.15	ANN HIRSCH	65	2:03.86	MALCHIA OLSHAN	65	400 M. FREE WOMEN 70-74		
1:28.76	DIANE REED	65	1:49.74	DELLA SEHORN	68	2:17.91	NANCY DURSTEIN	66	6:33.15	CLARA WALKER	96
1:29.31	JUDITH CHADIMA	66	1:59.09	MARY JANE MULLINS	65	200 M. FLY WOMEN 65-69			6:33.15	CLARA WALKER	70
1:30.89	NANCY MACBETH	67	1:59.16	GAY COLLINS	66	3:36.25	JUNE KRAUSER	94	6:33.19	JUNE KRAUSER	70
1:30.91	ANN HIRSCH	65	1:59.81	JOAN MC INTYRE	67	3:47.08	GAIL ROPER	67	7:08.82	PETEY SMITH	71
1:33.96	ANITA HAZEN	68	2:00.76	NANCY DURSTEIN	66	4:07.15	BETTY RUSS	69	7:12.02	FLORENCE CARR	71
1:35.63	GAY COLLINS	66	2:00.88	STEFANENA KYSOR	67	4:21.64	NANCY MACBETH	67	7:12.11	MARGERY MEYER	73
1:36.60	MALCHIA OLSHAN	65	200 M. BACK WOMEN 65-69		4:23.21	MALCHIA OLSHAN	65	7:49.13	RUTH MANFREDI	72	
1:39.28	NAN BOHL	67	3:17.12	DORIS STEADMAN	90	4:40.75	NANCY DURSTEIN	66	7:59.08	LOIS NOCHMAN	71
200 M. FREE WOMEN 65-69			3:38.42	GAIL ROPER	66	5:00.19	ELFRIEDE ROGERS	68	8:03.85	GRACE ALTUS	72
2:48.51	CLARA WALKER	92	3:44.03	NANCY MACBETH	67	5:20.05	JILL COLEMAN	66	8:33.39	DOROTHY DONNELLY	74
2:57.63	GAIL ROPER	67	3:57.63	ANN HIRSCH	65	5:23.13	JOAN GLARATON	69	8:35.13	CLARA SOTAK	71
3:12.90	JUNE KRAUSER	69	3:58.14	DELLA SEHORN	68	5:39.15	MARIAN WOLLE	68	800 M. FREE WOMEN 70-74		
3:18.31	ANN HIRSCH	65	4:06.14	STEFANENA KYSOR	67	6:44.88	JOAN MCINTYRE	67	13:15.45	JUNE KRAUSER	96
3:20.26	BETTY RUSS	69	4:07.33	MARY JANE MULLINS	65	200 M. I.M. WOMEN 65-69			13:15.45	JUNE KRAUSER	70
3:21.01	JUDITH CHADIMA	66	4:11.59	JOAN MC INTYRE	67	3:19.01	CLARA WALKER	91	14:36.96	PETEY SMITH	72
3:21.81	ANITA HAZEN	68	4:12.86	NANCY DURSTEIN	66	3:25.04	GAIL ROPER	67	14:53.41	MARGERY MEYER	73
3:23.55	MALCHIA OLSHAN	65	4:17.94	GAY COLLINS	66	3:33.75	JUNE KRAUSER	69	15:28.80	FLORENCE CARR	70
3:24.82	DIANE REED	65	4:21.55	PEGGY SANBORN	69	3:40.26	ANN HIRSCH	65	15:57.53	LOIS NOCHMAN	71
3:34.06	EDIE GRUENDER	67	50 M. BRST WOMEN 65-69		3:43.16	NANCY MACBETH	67	16:09.10	GRACE ALTUS	72	
3:34.79	DELLA SEHORN	69	46.07	CLARA WALKER	93	3:54.84	CAROL TAYLOR	66	17:31.69	CLARA SOTAK	71
400 M. FREE WOMEN 65-69			47.55	ANN HIRSCH	65	3:57.43	DELLA SEHORN	68	18:32.52	SYLVIA HILL	74
6:05.22	CLARA WALKER	91	48.47	GAIL ROPER	67	4:05.71	EDIE GRUENDER	67	19:58.88	D.WINNIFORD	71
6:26.90	GAIL ROPER	67	49.25	CAROL TAYLOR	66	4:06.12	MALCHIA OLSHAN	65	20:14.78	BEA HEIM	70
6:36.50	JUNE KRAUSER	69	54.90	LISA BOGATKO	66	4:11.71	NANCY DURSTEIN	66	1500 M. FREE WOMEN 70-74		
6:56.99	ANN HIRSCH	65	55.92	HANNELORE SNYDER	66	4:16.39	GAY COLLINS	66	25:40.43	CLARA WALKER	96
7:03.08	MALCHIA OLSHAN	65	56.42	JOAN GLARATON	69	400 M. I.M. WOMEN 65-69			25:40.43	CLARA WALKER	70
7:03.82	BETTY RUSS	69	1:02.57	MARIANNA HAGAN	67	7:09.69	CLARA WALKER	92	25:51.86	JUNE KRAUSER	70
7:21.18	ANITA HAZEN	68	1:02.95	GEORGIA GOGGIN	66	7:23.20	GAIL ROPER	67	28:39.55	MARGERY MEYER	73
7:24.52	DELLA SEHORN	68	1:03.00	RUTH HOSKINSON	66	8:05.57	ANN HIRSCH	65	29:44.92	FLORENCE CARR	71
7:27.35	EDIE GRUENDER	68	100 M. BRST WOMEN 65-69		8:30.18	BETTY RUSS	69	30:05.58	LOIS NOCHMAN	71	
7:38.82	NANCY DURSTEIN	66	1:42.84	CLARA WALKER	91	8:32.70	MALCHIA OLSHAN	65	30:17.05	GRACE ALTUS	72
7:51.43	RUTH AARON	67	1:44.02	ANN HIRSCH	65	8:48.80	BARBARA OWENS	66	34:53.18	SYLVIA HILL	74
800 M. FREE WOMEN 65-69			1:44.92	GAIL ROPER	67	8:52.28	EDIE GRUENDER	68	35:00.55	BUNNY CEDERLUND	74
12:27.60	CLARA WALKER	92	1:59.91	BETH BLICKFELDT	69	8:53.49	NANCY DURSTEIN	66	36:23.13	JANE ROSSELL	74
			2:02.15	LISA BOGATKO	66	9:31.52	JILL COLEMAN	66	38:17.37	BEA HEIM	70

# TOP TEN - LONG COURSE METERS

50 M. BACK WOMEN 70-74	47.77 JUNE KRAUSER	70	1:51.41 NANCY PHILLIPS	75	4:07.44 MARIE WICKLUN	89
42.29 DORIS STEADMAN	50.38 LOIS NOCHMAN	71	1:57.05 BARDI DENDY	75	4:44.09 SUE MARVEL	76
42.29 DORIS STEADMAN	52.09 C.WILLIAMS	72	1:57.68 BETTY KENDALL	76	4:45.41 NANCY PHILLIPS	75
47.18 BUNNY CEDERLUND	55.72 BETTY DUNN	71	1:59.03 KAY SCHIMPF	78	4:51.14 KAY SCHIMPF	78
49.18 MARGE BOWDON	58.38 ALICIA COLEMAN	70	1:59.63 GERTRUD ZINT	78	4:56.73 CLARE SAWHILL	75
49.51 JUNE KRAUSER	59.60 JEANNE MERRYMAN	73	200 M. FREE WOMEN 75-79		5:04.00 SALLY JOY	79
50.11 SARAH ALLNUTT	1:00.98 MARGE BOWDON	73	3:37.64 RITA SIMONTON	93	5:11.13 ZADA TAFT	76
50.57 FLORENCE CARR	1:00.99 DIANA SILVA	74	3:43.10 MARJORIE SHARPE	79	5:19.71 JO LACY	78
50.62 BETTY CHRISTIAN	1:01.11 SARAH ALLNUTT	72	3:51.32 SUE MARVEL	76	5:23.70 PATRICIA PREVETZ	75
50.90 MARGERY MEYER	100 M. FLY WOMEN 70-74		3:51.45 RITA SIMONTON	78	5:23.89 M.FIELDHOUSE	78
51.28 JEANNE MERRYMAN	1:40.85 JUNE KRAUSER	96	3:59.59 B.BURRILL	75	5:38.76 EDITH GLUSAC	77
52.00 LOIS NOCHMAN	1:40.85 JUNE KRAUSER	70	4:10.43 NANCY PHILLIPS	75	50 M. BRST WOMEN 75-79	
100 M. BACK WOMEN 70-74	1:59.78 LOIS NOCHMAN	71	4:15.63 AUDREY ETIENNE	79	55.58 GERTRUD ZINT	93
1:35.11 DORIS STEADMAN	2:07.93 FLORENCE CARR	71	4:16.45 BETTY KENDALL	76	59.81 GERTRUD ZINT	78
1:36.06 DORIS STEADMAN	2:15.31 BETTY DUNN	71	4:25.58 KAY SCHIMPF	79	1:04.36 MIMI LEE	76
1:47.26 JUNE KRAUSER	2:19.23 JAE HOWELL	73	4:27.46 MARY JANE REEVES	79	1:04.49 SALLY JOY	79
1:54.36 MARGERY MEYER	2:21.89 DIANA SILVA	74	4:28.49 MARGARET NAGLE	79	1:05.66 BARDI DENDY	75
1:54.58 C.WILLIAMS	2:23.08 JUNE REYNOLDS	74	400 M. FREE WOMEN 75-79		1:06.64 KAY SCHIMPF	78
1:55.08 LOIS NOCHMAN	2:34.62 H.HUGGINS	74	7:38.77 RITA SIMONTON	93	1:07.60 POLLY HERZER	75
1:57.12 FLORENCE CARR	3:05.45 DOROTHY KIMMEL	74	7:55.79 MARJORIE SHARPE	79	1:08.33 EDITH GLUSAC	77
1:57.36 SARAH ALLNUTT	3:17.76 MARGARET BROU	73	8:03.67 RITA SIMONTON	78	1:09.97 JEAN ZULICH	75
1:57.37 M.J. AMSBARY	200 M. FLY WOMEN 70-74		8:15.44 SUE MARVEL	76	1:10.22 MARGARET NAGLE	79
1:57.94 NANCY SCHOEPERLE	3:39.91 JUNE KRAUSER	96	8:30.02 B.BURRILL	75	1:15.05 MARIE KREIPE	77
1:58.86 ASAKO MANINGO	3:39.91 JUNE KRAUSER	70	8:49.08 KAY SCHIMPF	78	100 M. BRST WOMEN 75-79	
200 M. BACK WOMEN 70-74	4:23.53 LOIS NOCHMAN	71	9:13.58 BOBBIE LAWRENCE	75	2:05.99 GERTRUD ZINT	93
3:28.69 DORIS STEADMAN	4:30.36 JAE HOWELL	73	9:14.98 BETTY KENDALL	76	2:19.30 RITA SIMONTON	78
3:30.25 DORIS STEADMAN	5:00.03 JUNE REYNOLDS	74	10:08.61 AGOTA FROHS	76	2:22.81 GERTRUD ZINT	78
3:49.59 JUNE KRAUSER	5:02.56 RUTH MANFREDI	72	10:33.39 ZADA TAFT	76	2:23.17 AGOTA FROHS	76
4:08.38 BUNNY CEDERLUND	5:02.92 BETTY DUNN	71	11:01.60 G. NICKERSON	77	2:26.25 KAY SCHIMPF	78
4:11.36 LOIS NOCHMAN	5:12.36 GLADYS OLSEN	70	800 M. FREE WOMEN 75-79		2:27.27 SALLY JOY	79
4:14.76 MARGERY MEYER	8:32.18 ELFIE STEVENIN	74	15:41.45 RITA SIMONTON	93	2:31.21 POLLY HERZER	75
4:20.58 NAN BLACKLEDGE	9:51.33 MARION CHADWICK	74	16:27.82 RITA SIMONTON	78	2:33.79 MIMI LEE	76
4:23.38 NANCY SCHOEPERLE	200 M. I.M. WOMEN 70-74		17:03.10 SUE MARVEL	76	2:36.69 EDITH GLUSAC	77
4:28.37 JEANNE MERRYMAN	3:35.13 JUNE KRAUSER	96	17:59.00 B.BURRILL	75	2:48.84 MARY JANE REEVES	79
4:38.67 FLORENCE CARR	3:35.13 JUNE KRAUSER	70	18:40.98 BOBBIE LAWRENCE	76	2:50.01 JEAN ZULICH	75
4:47.07 GLADYS OLSEN	4:05.65 FLORENCE CARR	70	19:14.98 KAY SCHIMPF	79	200 M. BRST WOMEN 75-79	
50 M. BRST WOMEN 70-74	4:08.61 LOIS NOCHMAN	71	22:37.52 M.FIELDHOUSE	78	4:35.90 GERTRUD ZINT	94
50.08 BETTY CHRISTIAN	4:18.83 ELLA CARMICHAEL	73	23:49.10 MARIE KREIPE	77	5:04.05 RITA SIMONTON	78
51.65 JUNE KRAUSER	4:19.44 C.WILLIAMS	72	25:51.68 MARTHA FORSTER	79	5:12.67 GERTRUD ZINT	78
52.06 BETTY CHRISTIAN	4:19.85 BETH BLICKFELDT	70	1500 M. FREE WOMEN 75-79		5:16.38 AGOTA FROHS	76
52.25 M.J. AMSBARY	4:27.31 ALICIA COLEMAN	70	29:45.90 RITA SIMONTON	93	5:17.62 KAY SCHIMPF	79
53.24 ALICIA COLEMAN	4:28.58 PETEY SMITH	71	30:56.61 RITA SIMONTON	78	5:32.64 EDITH GLUSAC	77
55.35 BETH BLICKFELDT	4:29.57 RUTH MANFREDI	72	31:03.67 MARJORIE SHARPE	79	5:56.98 SALLY JOY	79
55.45 LOIS NOCHMAN	4:39.95 DIANA SILVA	74	32:20.01 SUE MARVEL	76	6:04.45 MARY JANE REEVES	79
55.51 FLORENCE CARR	400 M. I.M. WOMEN 70-74		34:23.41 B.BURRILL	75	9:19.04 ROSE STEWARD	78
57.97 JAE HOWELL	7:30.91 JUNE KRAUSER	96	35:19.70 BOBBIE LAWRENCE	76	50 M. FLY WOMEN 75-79	
1:01.62 MARGE BOWDON	7:30.91 JUNE KRAUSER	70	36:34.17 KAY SCHIMPF	79	55.38 GERTRUD ZINT	93
1:01.86 MARGERY MEYER	8:43.67 LOIS NOCHMAN	71	37:54.41 MARY JANE REEVES	79	57.90 NANCY PHILLIPS	75
100 M. BRST WOMEN 70-74	8:53.70 FLORENCE CARR	70	52:01.68 MARTHA FORSTER	79	1:04.63 KAY SCHIMPF	78
1:52.88 BETTY CHRISTIAN	9:38.38 JAE HOWELL	73	52:50.00 ROSE STEWARD	78	1:05.50 GERTRUD ZINT	78
1:54.32 JUNE KRAUSER	10:07.27 JUNE REYNOLDS	74	50 M. BACK WOMEN 75-79		1:08.70 SALLY JOY	79
2:00.48 BETTY CHRISTIAN	10:20.48 H. HUGGINS	74	50.45 ANNE WALKER	91	1:09.85 ZADA TAFT	76
2:01.53 BETH BLICKFELDT	10:23.33 BETTY DUNN	71	54.57 MARJORIE SHARPE	79	1:10.46 WINNIE WALTER	75
2:01.77 M.J. AMSBARY	10:27.85 GLADYS OLSEN	70	55.27 NANCY PHILLIPS	75	1:10.95 JEAN ZULICH	75
2:01.85 LOIS NOCHMAN	15:29.98 MARION CHADWICK	74	59.27 SUE MARVEL	76	1:11.70 MIMI LEE	76
2:03.74 ALICIA COLEMAN	*****		1:00.43 JEAN ZULICH	75	1:13.34 ROSEMARY KARIKER	77
2:11.08 FLORENCE CARR	50 M. FREE WOMEN 75-79		1:02.10 GERTRUD ZINT	78	1:17.42 PATRICIA PREVETZ	75
2:13.94 JAE HOWELL	42.29 LOUISE DONOVAN	93	1:02.57 BARDI DENDY	75	100 M. FLY WOMEN 75-79	
2:21.48 GLADYS OLSEN	43.55 SUE MARVEL	76	1:04.02 ZADA TAFT	76	2:19.44 KAY SCHIMPF	92
2:22.27 JUNE REYNOLDS	45.40 MARJORIE SHARPE	79	1:04.37 PATRICIA PREVETZ	75	2:26.97 KAY SCHIMPF	78
200 M. BRST WOMEN 70-74	45.99 B.BURRILL	75	1:04.89 EDITH GLUSAC	77	2:39.92 WINNIE WALTER	75
4:04.39 JUNE KRAUSER	46.74 RITA SIMONTON	78	1:06.05 M.KIRKPATRICK	76	2:45.96 JEAN ZULICH	75
4:04.39 JUNE KRAUSER	46.78 AUDREY ETIENNE	79	100 M. BACK WOMEN 75-79		2:59.98 ROSEMARY KARIKER	77
4:25.69 M.J. AMSBARY	46.78 MARGARET NAGLE	76	1:53.66 ANNE WALKER	93	3:15.95 ZADA TAFT	77
4:27.26 BETTY CHRISTIAN	47.18 BARDI DENDY	75	2:02.23 NANCY PHILLIPS	75	200 M. FLY WOMEN 75-79	
4:29.85 LOIS NOCHMAN	48.41 NANCY PHILLIPS	75	2:05.87 MARJORIE SHARPE	79	4:54.79 MAXINE MERLINO	88
4:45.63 JAE HOWELL	49.73 BETTY KENDALL	76	2:08.32 SUE MARVEL	76	5:31.86 KAY SCHIMPF	78
5:09.79 JUNE REYNOLDS	53.89 SALLY JOY	79	2:16.37 AUDREY ETIENNE	79	6:48.05 ROSEMARY KARIKER	77
5:13.52 ELEANOR BROWN	100 M. FREE WOMEN 75-79		2:18.26 GERTRUD ZINT	78	7:37.13 ZADA TAFT	77
5:26.39 LELA PIERCE	1:38.28 LOUISE DONOVAN	93	2:20.21 CLARE SAWHILL	75	8:52.21 ROSE STEWARD	78
5:27.49 JUDY KELLY	1:43.32 MARJORIE SHARPE	79	2:20.83 JEAN ZULICH	75	200 M. I.M. WOMEN 75-79	
5:30.03 GRACE ALTUS	1:43.83 RITA SIMONTON	78	2:21.38 BARDI DENDY	75	4:25.80 MAXINE MERLINO	87
50 M. FLY WOMEN 70-74	1:47.35 SUE MARVEL	76	2:23.21 ZADA TAFT	76	4:51.93 NANCY PHILLIPS	75
45.76 LOIS NOCHMAN	1:48.75 B.BURRILL	75	2:23.44 EDITH GLUSAC	77	4:53.07 KAY SCHIMPF	78
47.76 FLORENCE CARR	1:50.61 AUDREY ETIENNE	79	200 M. BACK WOMEN 75-79		4:59.23 GERTRUD ZINT	78

# TOP TEN - LONG COURSE METERS

5:07.46 BOBBIE LAWRENCE	76	44:16.13 MARY LATHRAM	81	1:43.41 EVA MULLER	83	200 M. BACK WOMEN 85-89	
5:23.72 AGOTA FROHS	76	61:10.29 RUTH HILDEBRAND	80	1:56.58 BUZ CATLIN	81	4:47.82 AILEEN SOULE	91
5:28.56 JEAN ZULICH	75	50 M. BACK WOMEN 80-84		100 M. FLY WOMEN 80-84		5:35.23 JULIA DOLCE	86
5:32.33 MIMI LEE	76	55.07 AILEEN SOULE	89	2:27.91 JEAN DURSTON	94	5:52.20 JEWEL COOKE	87
6:04.26 MARIE KREIPE	77	58.51 ANNE WALKER	80	2:36.30 JEAN DURSTON	81	7:00.66 MADELEINE MILLER	85
6:04.43 ROSEMARY KARIKER	77	1:05.25 MARIE WICKLUN	82	3:02.71 HELEN ROUMASSET	80	50 M. BRST WOMEN 85-89	
6:09.43 EDITH GLUSAC	77	1:07.18 MAXINE MERLINO	84	3:34.00 MARY WENTWORTH	80	1:09.85 MARTI GOGNIAT	96
400 M. I.M. WOMEN 75-79		1:07.97 MARY LATHRAM	81	3:34.41 ANNE WILDER	82	1:09.85 MARTI GOGNIAT	85
9:11.23 MAXINE MERLINO	87	1:20.82 HELEN ROUMASSET	81	3:46.90 HILDA BUEL	82	1:27.76 JEWEL COOKE	87
10:20.31 KAY SCHIMPF	78	1:22.96 BUZ CATLIN	82	3:55.23 HELENA HOFFMAN	80	1:37.15 PATIENCE MILLER	85
11:09.46 BOBBIE LAWRENCE	76	1:24.42 MEME HABICH	81	200 M. FLY WOMEN 80-84		2:25.40 GRACE HIDDLESON	87
12:37.18 ROSEMARY KARIKER	77	1:24.86 OLGA JAGGERS	83	5:24.52 JEAN DURSTON	94	100 M. BRST WOMEN 85-89	
12:49.11 EDITH GLUSAC	77	1:30.70 ADA HEBERT	80	5:42.23 JEAN DURSTON	81	2:39.02 MARTI GOGNIAT	96
13:08.42 ZADA TAFT	76	1:30.91 MARY WENTWORTH	80	7:21.91 ANNE WILDER	82	2:34.86 MARTI GOGNIAT	86NW
16:56.87 ROSE STEWARD	78	100 M. BACK WOMEN 80-84		8:20.07 HELENA HOFFMAN	80	3:19.12 JEWEL COOKE	87
*****		2:05.73 MARIE WICKLUN	94	200 M. I.M. WOMEN 80-84		5:25.79 GRACE HIDDLESON	87
50 M. FREE WOMEN 80-84		2:07.23 ANNE WALKER	80	4:41.09 MARIA LENK ZIGLER95		200 M. BRST WOMEN 85-89	
48.46 MAXINE MERLINO	92	2:20.03 MARIE WICKLUN	82	5:00.01 JEAN DURSTON	81	6:49.30 JEWEL COOKE	96
49.34 ANNE WALKER	80	2:29.45 MARY LATHRAM	81	5:11.26 MAXINE MERLINO	84	6:49.30 JEWEL COOKE	87
54.98 MAXINE MERLINO	84	2:47.10 BETH HANKS	80	6:01.70 EVA MULLER	83	8:18.08 MADELEINE MILLER	85
56.17 MARIE WICKLUN	82	2:55.48 LOIS ELLERT	81	6:06.67 HELEN ROUMASSET	80	50 M. FLY WOMEN 85-89	
56.50 MARGARET HUBBARD	80	2:56.83 HELEN ROUMASSET	81	6:44.82 BUZ CATLIN	82	1:26.39 JEWEL COOKE	96
1:03.60 MARY LATHRAM	81	3:03.98 MEME HABICH	81	6:52.28 ANNE WILDER	82	1:26.39 JEWEL COOKE	87
1:07.79 BUZ CATLIN	82	3:08.92 BUZ CATLIN	81	7:05.73 HELENA HOFFMAN	80	1:31.29 EDIE GOLDMAN	85
1:07.82 BETH HANKS	80	3:15.82 ADA HEBERT	80	7:22.03 HILDA BUEL	82	1:53.82 MADELINE MILLER	86
1:08.75 ESTER GRAFRATH	82	3:33.40 MARY SIEBOLD	80	400 M. I.M. WOMEN 80-84		2:11.56 PATIENCE MILLER	85
1:11.45 ADA HEBERT	80	200 M. BACK WOMEN 80-84		10:05.13 MAXINE MERLINO	92	100 M. FLY WOMEN 85-89	
1:12.37 AGNES ROMAYKO	82	4:32.74 MARIA LENK	95	10:38.02 JEAN DURSTON	81	3:01.14 KATHERINE PELTON	91
100 M. FREE WOMEN 80-84		4:33.50 ANNE WALKER	80	14:16.20 ANNE WILDER	82	3:13.12 JEWEL COOKE	87
1:52.41 NANCY CLARK	94	4:46.63 MARIE WICKLUN	82	15:03.50 HELENA HOFFMAN	80	3:46.00 EDIE GOLDMAN	85
2:01.51 ANNE WALKER	80	5:07.85 JEAN DURSTON	82	*****		200 M. FLY WOMEN 85-89	
2:07.43 JEAN DURSTON	82	5:24.62 MARY LATHRAM	81	50 M. FREE WOMEN 85-89		7:18.41 KATHERINE PELTON	90
2:10.50 MARIE WICKLUN	82	5:27.98 EVA MULLER	83	50.93 JULIA DOLCE	94	NO SWIMMERS	
2:11.66 JEAN CHENAUX	82	5:37.32 HELEN ROUMASSET	80	51.66 JULIA DOLCE	86	200 M. I.M. WOMEN 85-89	
2:12.61 MAXINE MERLINO	84	6:04.03 LOIS ELLERT	81	1:01.36 JEWEL COOKE	87	6:17.06 JEWEL COOKE	96
2:33.00 BETH HANKS	80	6:13.41 BUZ CATLIN	82	1:04.39 PATIENCE MILLER	85	6:17.06 JEWEL COOKE	87
2:36.75 MARY LATHRAM	81	7:43.75 RUTH HILDEBRAND	80	1:12.29 EDIE GOLDMAN	85	400 M. I.M. WOMEN 85-89	
2:37.58 BUZ CATLIN	82	7:52.16 MARY SIEBOLD	80	1:13.93 ELLEN TAIT	85	13:15.87 JEWEL COOKE	96
2:39.86 ADA HEBERT	80	50 M. BRST WOMEN 80-84		1:42.40 ELIZABETH DZIADUS	86	13:15.87 JEWEL COOKE	87
2:41.63 RUTH RIDENOUR	81	1:05.10 MAXINE MERLINO	92	2:28.15 GRACE HIDDLESON	87	*****	
200 M. FREE WOMEN 80-84		1:13.38 MARGARET HUBBARD	80	100 M. FREE WOMEN 85-89		50 M. FREE WOMEN 90-94	
4:05.22 MARIA LENK ZIGLER95		1:13.86 MAXINE MERLINO	84	2:00.68 JULIA DOLCE	95	55.76 AILEEN SOULE	96
4:47.28 JEAN CHENAUX	82	1:16.92 HELEN ROUMASSET	80	2:08.48 JULIA DOLCE	86	55.76 AILEEN SOULE	90
5:41.01 HELENA HOFFMAN	80	1:22.39 EVA MULLER	83	2:12.24 JEWEL COOKE	87	100 M. FREE WOMEN 90-94	
5:53.18 LOIS ELLERT	81	1:26.14 BUZ CATLIN	82	2:30.78 PATIENCE MILLER	85	2:19.62 AILEEN SOULE	96
5:57.19 AGNES ROMAYKO	82	1:34.84 BETTIE MACINNES	82	2:48.02 ELLEN TAIT	85	2:19.62 AILEEN SOULE	90
6:05.73 RUTH RIDENOUR	81	1:39.37 ANNE WILDER	82	2:49.25 MADELEINE MILLER	85	200 M. FREE WOMEN 90-94	
6:20.35 HILDA BUEL	82	1:42.91 BETH HANKS	80	2:52.80 EDIE GOLDMAN	85	5:21.55 AILEEN SOULE	96
6:43.66 SALLY RYCKMAN	84	1:50.13 ESTER GRAFRATH	82	200 M. FREE WOMEN 85-89		5:21.55 AILEEN SOULE	90
7:53.26 RUTH HILDEBRAND	80	2:15.87 HELEN OFFENHAUSER	84	4:45.10 JULIA DOLCE	94	800 M. FREE WOMEN 90-94	
8:50.76 MILLIE MC CREE	80	100 M. BRST WOMEN 80-84		5:15.39 JULIA DOLCE	86	30:55.09 ANNA BAUSCHER	94
400 M. FREE WOMEN 80-84		2:22.79 MAXINE MERLINO	92	6:03.62 ELLEN TAIT	85	NO SWIMMERS	
8:24.51 MARIA LENK ZIGLER95		2:44.03 MAXINE MERLINO	84	6:23.05 MADELINE MILLER	86	50 M. BACK WOMEN 90-94	
9:03.60 ANNE WALKER	80	3:00.36 MARGARET HUBBARD	80	400 M. FREE WOMEN 85-89		1:03.49 AILEEN SOULE	96
9:17.17 JEAN DURSTON	82	3:02.80 HELEN ROUMASSET	81	10:44.25 JULIA DOLCE	94	1:03.49 AILEEN SOULE	90
10:06.32 JEAN CHENAUX	82	3:24.52 HILDA BUEL	82	12:51.25 ELLEN TAIT	85	100 M. BACK WOMEN 90-94	
10:19.61 HELEN ROUMASSET	80	3:25.37 JEAN CHENAUX	82	800 M. FREE WOMEN 85-89		2:23.23 AILEEN SOULE	96
11:43.50 MARY LATHRAM	81	3:35.21 BETH HANKS	80	21:54.01 JULIA DOLCE	95	2:23.23 AILEEN SOULE	90
11:58.51 HELENA HOFFMAN	80	3:45.48 BETTIE MACINNES	82	23:28.02 JULIA DOLCE	86	200 M. BACK WOMEN 90-94	
12:08.93 LOIS ELLERT	81	4:51.15 MARY SIEBOLD	80	1500 M. FREE WOMEN 85-89		10:47.76 PEARL MILLER	89
14:17.68 SALLY RYCKMAN	84	200 M. BRST WOMEN 80-84		43:35.59 JULIA DOLCE	95	NO SWIMMERS	
15:18.66 DOROTHY RIORDAN	84	5:07.83 MAXINE MERLINO	92	NO SWIMMERS		50 M. FLY WOMEN 90-94	
15:37.19 RUTH HILDEBRAND	80	5:42.50 MAXINE MERLINO	84	50 M. BACK WOMEN 85-89		4:57.25 ANNA BAUSCHER	94
800 M. FREE WOMEN 80-84		5:47.09 JEAN DURSTON	82	58.42 AILEEN SOULE	91	NO SWIMMERS	
17:27.96 JEAN DURSTON	95	7:09.92 ANNE WILDER	82	1:11.72 JEWEL COOKE	87	200 M. I.M. WOMEN 90-94	
18:55.53 JEAN DURSTON	82	7:14.06 HILDA BUEL	82	1:12.03 EDIE GOLDMAN	85	12:10.93 ANNA BAUSCHER	94
19:35.31 ANNE WALKER	80	7:25.29 HELENA HOFFMAN	80	1:25.67 MADELEINE MILLER	85	NO SWIMMERS	
20:03.11 MAXINE MERLINO	84	10:16.96 MARY SIEBOLD	80	1:33.99 PATIENCE MILLER	85	*****	
21:05.93 JEAN CHENAUX	82	50 M. FLY WOMEN 80-84		1:37.32 ELIZABETH DZIADUS	86	50 M. FREE M E N 19-24	
23:30.79 MARY LATHRAM	81	1:03.66 MARIA LENK ZIGLER95		2:28.68 GRACE HIDDLESON	87	24.03 DAVID LAWSON	95
24:09.19 AGNES ROMAYKO	82	1:17.72 MAXINE MERLINO	84	100 M. BACK WOMEN 85-89		25.04 JASON HANSEN	23
31:46.00 RUTH HILDEBRAND	80	1:22.48 HELEN ROUMASSET	81	2:13.13 AILEEN SOULE	91	25.21 ERIC TROESCH	23
1500 M. FREE WOMEN 80-84		1:26.22 ANNE WILDER	82	2:40.83 JEWEL COOKE	87	25.55 JASON REAM	24
33:00.94 JEAN DURSTON	95	1:37.82 MARY WENTWORTH	80	2:50.11 EDIE GOLDMAN	85	25.59 KEVIN KOSKELLA	24
34:41.12 JEAN DURSTON	81	1:38.98 HILDA BUEL	82	2:59.33 MADELEINE MILLER	85	25.71 JUSTIN SLADE	23

# TOP TEN - LONG COURSE METERS

25.75	JEFF FELTZER	24	32.72	MATTHEW VECCHIO	21	57.10	BRAD BUDNEY	95	2:05.64	DALE MERCKER	29
26.10	GRANT JOHNSTON	23	33.33	WILLIAM WEBER	24	1:02.40	GRANT JOHNSTON	23	2:05.67	KURT DICKSON	29
26.28	MICHAEL MCCARY	24	100 M. BACK M E N 19-24			1:04.83	LAIRD ADAMSON	23	2:06.28	STEPHEN SMITH	28
26.29	KARL STEINKE	22	1:00.37	DAVID LAWSON	95	1:05.51	CASEY PEARCE	24	2:06.59	KYLE KIMBALL	25
26.38	ROBERT PIPKINS	23	1:05.83	KEVIN KOSKELLA	24	1:06.18	KEVIN NOAH	24	2:07.22	BRIAN AUGUST	26
100 M. FREE M E N 19-24			1:05.90	GRANT JOHNSTON	23	1:06.75	ERIC TROESCH	23	2:08.84	ERIC WILHELM	28
52.88	DAVID LAWSON	95	1:08.85	ERIK SCOLLON	24	1:07.21	TODD RADEL	23	400 M. FREE M E N 25-29		
55.51	JASON HANSEN	23	1:09.19	NOAH BERNARD	24	1:07.86	JOHN DIEHL	19	4:05.99	CHIP HOBSON	94
55.89	KEVIN KOSKELLA	24	1:09.69	LAIRD ADAMSON	23	1:09.11	TODD KISTLER	24	4:25.17	KYLE KIMBALL	25
56.62	ERIC TROESCH	23	1:10.55	GARY ARMSTRONG	24	1:09.61	FRANK VARGAS	19	4:27.04	KURT DICKSON	29
57.24	JASON REAM	24	1:10.97	BRADLEY SCHMIED	24	1:11.15	DAN HASKE	21	4:28.05	STUART BARTON	28
57.71	CHAD CUMMINS	23	1:11.01	MICHAEL LEMONS	24	200 M. FLY M E N 19-24			4:28.77	B.LICHTENWALTER	29
57.99	JUSTIN SLADE	23	1:11.66	JASON REAM	24	2:09.39	RY BEVILLE	95	4:30.23	JEFFREY RODGERS	29
58.47	JON FROHLICH	24	1:12.10	KARL STEINKE	22	2:20.39	J.ARMSTRONG	21	4:30.59	DALE MERCKER	29
58.54	KEVIN NOAH	24	200 M. BACK M E N 19-24			2:24.00	CHAD CUMMINS	23	4:35.21	JAY O'CONNOR	27
58.91	MARK HERNANDEZ	20	2:15.36	CHRIS STEVENSON	87	2:29.91	JAMES RUGGIERO	23	4:38.23	BRANDON CARTER	25
59.06	CHAD RIEGLE	21	2:25.28	NOAH BERNARD	24	2:38.96	JOSH GORDON	23	4:38.69	ERIC WILHELM	27
200 M. FREE M E N 19-24			2:36.59	MICHAEL LEMONS	24	2:40.91	TRAVIS EVERETT	19	4:42.80	ED OWEN	25
1:56.99	TONY BATIS	89	2:37.33	MARK HERNANDEZ	20	2:56.71	DAN HASKE	21	800 M. FREE M E N 25-29		
2:05.72	CHRISTOPHER ROAT	21	2:38.40	BRADLEY SCHMIED	24	2:58.53	JOEL STOUT	24	8:35.91	CHIP HOBSON	94
2:08.07	DAVE TOBIAS	19	2:38.78	MATT PACIOREK	20	3:00.76	FRANK VARGAS	19	9:36.04	BENJAMIN MORSE	25
2:10.07	JASON HANSEN	23	2:39.30	BRAD SCHMIED	24	3:30.33	JOHN ARGRAVES	22	9:36.86	ERIC WILHELM	28
2:10.45	KEVIN NOAH	24	2:45.64	WILLIAM WEBER	24	200 M. I.M. M E N 19-24			9:52.40	KEN KOPPENHAVER	27
2:14.29	CHAD RIEGLE	21	2:48.11	JASON KLUGMAN	24	2:14.08	GREG MACKEM	92	9:57.41	ED OWEN	25
2:14.91	CASEY PEARCE	24	2:49.84	MIHAI NEGOESCU	24	2:14.45	J.ARMSTRONG	21	10:00.24	JEFF JOTZ	26
2:16.25	NEIL KAUKOLA	23	2:52.01	ERIK MYER	24	2:16.92	TODD RADEL	23	10:04.89	ROBERT HERMANET	25
2:16.30	TODD RADEL	23	50 M. BRST M E N 19-24			2:25.73	CHAD CUMMINS	23	10:09.56	KEVIN WILLIAMS	26
2:17.39	JON FROHLICH	24	30.10	JOSH AMATO	87	2:31.73	J.DICKSON (III)	24	10:10.93	WILLIAM POLK	27
2:19.12	JASON KLUGMAN	24	30.90	TODD RADEL	23	2:32.06	ERIK SCOLLON	24	10:14.08	KEVIN GRENIER	28
400 M. FREE M E N 19-24			31.37	J.ARMSTRONG	21	2:32.80	GARY ARMSTRONG	24	10:15.70	BERT BERGEN	29
4:08.73	BRAD WINSOR	95	32.21	DARREN GORMAN	24	2:32.83	KEVIN NOAH	24	1500 M. FREE M E N 25-29		
4:38.91	KEVIN NOAH	24	33.47	GARY ARMSTRONG	24	2:33.73	BRYAN KUNDRATH	24	16:28.69	CAMERON REID	87
4:40.07	DAVE TOBIAS	19	33.74	ROBERT HUDSON	19	2:34.50	NOAH BERNARD	24	18:05.89	B.LICHTENWALTER	29
4:41.71	NOAH BERNARD	24	34.15	MICHAEL O'TOOLE	21	2:37.63	DAN HASKE	21	18:29.91	BENJAMIN MORSE	25
4:42.68	TODD RADEL	23	35.09	JEFF FELTZER	24	400 M. I.M. M E N 19-24			18:44.59	BRANDON CARTER	25
4:54.90	JASON KLUGMAN	24	35.85	ALEXANDER HALL	24	4:48.56	GREG MACKEM	92	18:53.76	JIM CHRISTIAN	29
4:57.09	MICHAEL LEMONS	24	36.29	DAN READ	23	4:55.82	TODD RADEL	23	18:54.53	ERIC WILHELM	28
4:59.49	NEIL KAUKOLA	23	36.36	WILLIAM WEBER	24	5:16.57	NOAH BERNARD	24	19:06.93	WILLIAM POLK	27
5:02.70	BRAD SCHMIED	24	100 M. BRST M E N 19-24			5:31.44	ERIK SCOLLON	24	19:34.42	JAMES WOLFLE	28
5:03.57	TRAVIS EVERETT	19	1:06.61	JAMES SUROWIEC	88	5:33.56	BRYAN KUNDRATH	24	19:52.35	JAY OCONNOR	27
5:04.18	DANIEL ARBELAEZ	21	1:08.00	TODD RADEL	23	5:44.82	MICHAEL LEMONS	24	20:07.62	STUART BARTON	28
800 M. FREE M E N 19-24			1:09.02	J.ARMSTRONG	21	5:47.69	DAN HASKE	21	20:40.92	WADE RIDDICK	27
8:47.65	BRAD WINSOR	95	1:12.12	DARREN GORMAN	24	5:56.48	BRADLEY SCHMIED	24	50 M. BACK M E N 25-29		
10:11.77	TODD RADEL	23	1:15.38	BRYAN KUNDRATH	24	6:06.08	JOEL STOUT	24	27.42	ROBERT HAUCK	93
10:16.50	TRAVIS EVERETT	19	1:16.68	GARY ARMSTRONG	24	*****			28.86	JEFFREY RODDIN	27
10:37.25	ERIK CRANKSHAW	24	1:18.21	ROBERT HUDSON	19	50 M. FREE M E N 25-29			29.33	JEFF FELTZER	25
10:48.84	CASEY PEARCE	24	1:19.31	MICHAEL O'TOOLE	21	22.59	KEVIN DEFORREST	83	29.63	ROBERT BERRY	28
11:18.09	MICHAEL LEMONS	24	1:20.82	JUSTIN SLADE	23	24.13	NEILL WILLIAMS	27	29.86	GARY DEFANG	25
11:33.60	ABE ANTLER	21	1:22.79	NEIL KAUKOLA	23	25.21	ADAM WERTH	26	29.87	STEPHEN SMITH	28
11:38.01	ERIK MYER	24	1:23.62	DAN HASKE	21	25.22	B.LICHTENWALTER	29	30.10	CHRISTIAN BRADY	25
11:54.79	JOHN ARGRAVES	22	200 M. BRST M E N 19-24			25.23	TROY DALBEY	27	30.10	KIRK CLEAR	28
13:32.73	CHRIS DECICCO	23	2:29.18	TODD RADEL	96	25.25	PAUL MCQUAD	25	30.33	B.LICHTENWALTER	29
14:19.76	STEPHEN COLEMAN	23	2:29.06	TODD RADEL	23NV	25.51	J.R. SMITH	26	30.69	CHRIS RESLER	27
1500 M. FREE M E N 19-24			2:32.04	J.ARMSTRONG	21	25.57	ED OWEN	25	30.75	JEFFREY RODGERS	29
17:12.51	JAMES ALLEN	91	2:46.41	BRYAN KUNDRATH	24	25.59	CHRIS BARRETT	25	100 M. BACK M E N 25-29		
17:56.71	JAMIE LIPSZYC	24	2:47.31	DARREN GORMAN	24	25.64	WINSTON RITCHEY	28	58.24	JOHN KEPPELER	92
19:32.26	ERIK CRANKSHAW	24	2:57.00	WILLIAM WEBER	24	25.84	BRIAN AUGUST	26	1:03.28	ROBERT BERRY	28
19:39.22	GRANT JOHNSTON	23	2:57.88	ROBERT HUDSON	19	100 M. FREE M E N 25-29			1:04.19	STEPHEN SMITH	28
19:58.17	MATT PACIOREK	20	2:58.40	NEIL KAUKOLA	23	51.25	JIM MONTGOMERY	81	1:04.35	KYLE KIMBALL	25
20:24.67	MICHAEL LEMONS	24	3:01.64	MICHAEL O'TOOLE	21	54.52	MIKE VAROZZA	28	1:04.44	C.DISALLE	27
20:44.68	JASON ZAJONC	23	3:03.45	DAN HASKE	21	54.99	CHRIS BARRETT	25	1:04.46	SCOTT TRIPPS	26
20:54.55	JASON KLUGMAN	24	3:07.81	MIHAI NEGOESCU	24	55.38	B.LICHTENWALTER	29	1:04.62	JEFFREY RODDIN	27
20:58.27	JOEL STOUT	24	50 M. FLY M E N 19-24			55.47	WINSTON RITCHEY	28	1:04.67	B.LICHTENWALTER	29
21:31.12	MIHAI NEGOESCU	24	25.71	DAVID LAWSON	95	55.59	STUART BARTON	28	1:05.52	KURT DICKSON	29
21:38.27	ADOLPH HERRERA	23	26.81	JASON HANSEN	23	56.15	TODD MERCER	29	1:05.57	GARY DEFANG	25
50 M. BACK M E N 19-24			27.15	JEFF FELTZER	24	56.35	ED OWEN	25	1:05.75	TIM VELASCO	29
27.43	DAVID LAWSON	95	27.89	ERIC TROESCH	23	56.53	JAMIE PATRICK	25	200 M. BACK M E N 25-29		
30.27	GRANT JOHNSTON	23	28.02	JUSTIN SLADE	23	56.66	PAUL MCQUAD	25	2:07.57	JOHN KEPPELER	92
30.72	ERIK SCOLLON	24	28.06	MICHAEL MCCARY	24	56.98	ADAM WERTH	26	2:17.49	KURT DICKSON	29
31.14	JEFF FELTZER	24	28.07	GRANT JOHNSTON	23	200 M. FREE M E N 25-29			2:18.40	C.DISALLE	27
31.25	BRADLEY SCHMIED	24	28.17	CHAD CUMMINS	23	1:51.00	JOHN KEPPELER	96	2:18.80	ROBERT BERRY	28
31.58	BRYAN KUNDRATH	24	28.21	LAIRD ADAMSON	23	1:51.00	JOHN KEPPELER	29	2:19.46	B.LICHTENWALTER	29
32.60	J.DICKSON (III)	24	28.52	J.DICKSON (III)	24	1:58.98	CHRIS BARRETT	25	2:21.79	JEFFREY RODDIN	27
32.61	MICHAEL LEMONS	24	28.58	ROBERT PIPKINS	23	2:04.09	TODD MERCER	29	2:23.02	PHILLIP KING	29
32.67	ERIK CRANKSHAW	24	100 M. FLY M E N 19-24			2:05.57	STUART BARTON	28	2:23.49	CHRISTIAN BRADY	25

# TOP TEN - LONG COURSE METERS

2:23.70 STEPHEN SMITH	28	200 M. I.M. M E N 25-29	28	9:03.68 MIKE SHAFFER	30	1:10.95 DEWEY WYATT	32
2:24.28 J.R. SMITH	26	2:09.21 CAMERON REID	87	9:25.48 MICHAEL MOORE	32	1:11.52 DIETRICH LAWRENCE	30
2:24.57 TODD MERCER	29	2:14.32 BILL ZOLNA	27	9:26.89 TODD CLARK	31	1:12.37 S.VANKUILENBURG	31
50 M. BRST M E N 25-29		2:15.24 ABRAHAM SOLANO	26	9:27.32 ROBBIE ALLEN	30	1:13.60 TIM MACDONALD	31
29.77 DEWEY WYATT	92	2:15.48 NEILL WILLIAMS	28	9:27.35 MICHAEL COLLINS	30	1:13.83 JOHN HALLMAN	31
31.26 NEILL WILLIAMS	28	2:16.42 CHRIS BARRETT	25	9:28.89 CHRIS YONTEZ	31	1:15.75 DEAN PUTTERMAN	34
31.69 ABRAHAM SOLANO	26	2:18.99 KYLE KIMBALL	25	9:32.15 ROBERT HUDEK	34	1:15.80 JOHN STENROOS	33
32.13 JAMIE PATRICK	25	2:19.74 B.LICHTENWALTER	29	9:37.40 JONATHAN OLSEN	33	200 M. BRST M E N 30-34	
32.65 DERRON FREDRICK	28	2:19.86 JEFFREY RODDIN	27	9:40.76 STEPHEN STAHL	31	2:24.06 DAVID LUNDBERG	91
32.70 JACK MACKENROTH	26	2:20.72 JAMIE PATRICK	25	9:57.94 DAVID BRANCAMP	34	2:30.18 MARK VANDER MEY	30
32.91 BRUCE BORNFLETH	28	2:21.21 STEPHEN SMITH	28	1500 M. FREE M E N 30-34		2:32.64 BOB JENNINGS	30
33.36 MIKE THOMSON	26	2:21.82 ROBERT BERRY	28	16:36.06 BOBBY PATTEN	93	2:38.37 DANIEL ALLEN	34
33.44 B.LICHTENWALTER	29	400 M. I.M. M E N 25-29		16:51.10 JEFF ERWIN	32	2:40.36 S.VANKUILENBURG	31
33.45 PAUL MCQUAD	25	4:34.08 CAMERON REID	87	17:10.74 BRUCE HAYES	32	2:44.12 TIM MACDONALD	31
33.48 BERNARD HOFFMAN	26	4:49.49 BILL ZOLNA	27	17:43.25 C.CAVANAUGH	33	2:46.57 MICHAEL COLLINS	30
100 M. BRST M E N 25-29		4:50.31 GREGORY SCHAFFER	25	17:43.47 MICHAEL MOORE	32	2:47.11 EDMUND GENDREAU	34
1:04.60 DAVID LUNDBERG	89	4:51.94 ABRAHAM SOLANO	26	17:50.05 TODD CLARK	31	2:49.91 DANA THOMASON	31
1:07.70 ABRAHAM SOLANO	26	5:03.58 DALE MERCKER	29	18:07.40 DENNIS TESCH	31	2:50.58 MARK STOHRER	34
1:08.46 NEILL WILLIAMS	28	5:04.97 MATTHEW KINNEY	26	18:10.45 ROBERT HUDEK	34	2:52.11 MICHAEL NEAL	32
1:09.36 MATTHEW KINNEY	26	5:07.42 NEILL WILLIAMS	27	18:29.22 MICHAEL COLLINS	30	50 M. FLY M E N 30-34	
1:10.24 JAMIE PATRICK	25	5:09.54 ROBERT HERMANET	25	19:06.68 DANIEL ALLEN	34	25.31 MIKE BOTTOM	88
1:12.58 DERRON FREDRICK	28	5:12.01 JAMES WOLFLE	28	19:10.24 DIETRICH LAWRENCE	30	26.07 MARK NOETZEL	33
1:12.72 DALE MERCKER	29	5:13.12 JEFFREY RODDIN	27	50 M. BACK M E N 30-34		26.17 PETER EGAN	32
1:13.74 JACK MACKENROTH	26	5:13.32 LARRY BOLTON	27	27.26 SEAN MURPHY	94	27.35 SCOTT EWALT	30
1:13.82 SEAN FRAMPTON	29	*****		30.04 SCOTT EWALT	30	27.64 JOHN BURCHETT	33
1:13.87 MIKE THOMSON	26	50 M. FREE M E N 30-34		31.16 DENNIS TESCH	31	27.76 HAROLD WAGNER	31
1:14.43 BRUCE BORNFLETH	28	22.80 ROBERT PEEL	96	31.18 JIM RHYNE	30	27.97 CRA VAN LANINGHAM	34
200 M. BRST M E N 25-29		22.80 ROBERT PEEL	30	31.19 JOHN BURCHETT	33	27.98 STEPHEN SEGRETO	33
2:26.32 ABRAHAM SOLANO	96	24.72 MARK NOETZEL	33	31.46 JEFF DAKIN	33	28.02 SCOTT WEAVER	34
2:26.32 ABRAHAM SOLANO	26	24.85 DAVID BOATWRIGHT	34	31.51 TODD HILL	32	28.04 BILL HARRIS	32
2:31.62 MATTHEW KINNEY	26	24.89 MARK VANDER MEY	30	31.63 STEPHEN SEGRETO	33	28.20 STEPHEN STAHL	31
2:33.53 NEILL WILLIAMS	28	25.67 ROBERT YOUNG	31	31.70 GERRY RODRIGUES	33	100 M. FLY M E N 30-34	
2:38.71 DALE MERCKER	29	25.70 KEVIN HEDRICK	31	31.75 DAVE SWENSON	33	56.64 MIKE BOTTOM	88
2:43.52 JOHN DOOLITTLE	25	25.76 EARL ANDERSON	32	31.92 W.VOLCKENING	30	58.05 MARK NOETZEL	33
2:44.24 PHILLIP KING	29	25.77 CHUCK GRAF	30	100 M. BACK M E N 30-34		1:01.19 STEPHEN SEGRETO	33
2:44.76 MIKE THOMSON	26	25.83 DAVID MICHAELS	32	58.66 SEAN MURPHY	94	1:01.76 SCOTT EWALT	30
2:49.79 RICHARD DORSEY	27	25.92 BRIAN BENNETT	31	1:04.21 SCOTT EWALT	30	1:02.19 JOHN OWSIANY	34
2:49.88 BRUCE BORNFLETH	28	100 M. FREE M E N 30-34		1:06.52 PHILLIP KING	30	1:02.20 STEPHEN STAHL	31
2:50.20 W.SPITZNAGLE	26	51.50 ROWDY GAINES	91	1:07.27 DAVID KASTIGAR	32	1:02.79 HAROLD WAGNER	31
50 M. FLY M E N 25-29		52.36 MARK NOETZEL	33	1:07.76 JIM RHYNE	30	1:02.96 ROCH KING	33
25.16 DEFORREST/BOTTOM	84	54.06 DAVID BOATWRIGHT	34	1:07.91 DAVE SWENSON	33	1:03.83 RON COLLINS	34
26.31 NEILL WILLIAMS	27	54.08 BRUCE HAYES	32	1:08.33 DAVID GREER	30	1:03.94 JOHN DISALLE	32
26.61 THOMAS AUGSPURGER	28	54.84 MICHAEL GREEN	32	1:08.38 KEN FITCH	31	1:04.03 ANDREW LEVASSEUR	31
26.93 WINSTON RITCHEY	28	55.31 IGOR VAZHENIN	32	1:08.80 TODD HILL	32	200 M. FLY M E N 30-34	
27.03 JEFF FELTZER	25	55.49 MARK VANDER MEY	30	1:09.72 ROBERT HUDEK	34	2:03.85 BOBBY PATTEN	95
27.14 ADAM WERTH	26	56.05 MIKE SHAFFER	30	1:10.57 SCOTT BRINITZER	32	2:10.33 PETER EGAN	32
27.20 JEFFREY RODDIN	27	56.05 GERRY RODRIGUES	33	200 M. BACK M E N 30-34		2:11.08 MIKE SHAFFER	30
27.40 BRIAN AUGUST	26	56.07 DAVID MICHAELS	32	2:05.62 SEAN MURPHY	94	2:14.33 IGOR VAZHENIN	32
27.48 C.DISALLE	27	56.54 STEPHEN STAHL	31	2:20.14 SCOTT EWALT	30	2:18.44 STEPHEN SEGRETO	33
27.50 PAUL MCQUAD	25	200 M. FREE M E N 30-34		2:24.96 PHILLIP KING	30	2:20.70 TODD CLARK	31
27.57 TROY DALBEY	27	1:54.04 ROWDY GAINES	90	2:28.95 DAVE SWENSON	33	2:24.17 JOHN OWSIANY	34
100 M. FLY M E N 25-29		1:59.46 BRUCE HAYES	32	2:29.37 KEN FITCH	31	2:25.40 RON COLLINS	34
56.34 MICHAEL BOTTOM	84	1:59.97 IGOR VAZHENIN	32	2:31.53 DANIEL ALLEN	34	2:27.49 SCOTT TOBIN	33
59.02 BRIAN ALDERMAN	27	2:03.88 MIKE SHAFFER	30	2:33.22 GERRY RODRIGUES	33	2:28.95 JONATHAN OLSEN	33
59.13 JEFFREY RODDIN	27	2:06.35 ROBERT HUDEK	34	2:36.06 SCOTT BRINITZER	32	2:29.92 KURT SMITH	34
59.66 BILL ZOLNA	27	2:06.57 JEFF ERWIN	32	2:36.75 DAVID GREER	30	200 M. I.M. M E N 30-34	
1:00.31 THOMAS AUGSPURGER	28	2:06.91 MICHAEL NEAL	32	2:37.68 DAVID BRANCAMP	34	2:09.69 DAVID LUNDBURG	91
1:01.02 KYLE KIMBALL	25	2:07.79 MICHAEL COLLINS	30	2:40.62 MICHAEL COLLINS	30	2:09.86 RON KARNAUGH	30
1:01.39 JAY O'CONNOR	27	2:08.55 JEAN FRANCOIS	33	50 M. BRST M E N 30-34		2:18.87 MICHAEL GREEN	32
1:01.68 JAMES WOLFLE	28	2:08.62 DAVID MICHAELS	32	29.42 DAVID GUTHRIE	92	2:18.94 BOB JENNINGS	30
1:01.86 C.DISALLE	27	2:08.63 JOHN DISALLE	32	30.99 DEWEY WYATT	32	2:21.68 IGOR VAZHENIN	32
1:01.93 JEFFREY RODGERS	29	400 M. FREE M E N 30-34		31.06 MARK VANDER MEY	30	2:22.63 MICHAEL NEAL	32
1:02.68 BRIAN AUGUST	26	4:07.04 ROWDY GAINES	93	31.47 GLENN MILLS	34	2:25.67 DIETRICH LAWRENCE	30
200 M. FLY M E N 25-29		4:15.38 BRUCE HAYES	32	32.54 S.VANKUILENBURG	31	2:25.68 GERRY RODRIGUES	33
2:06.88 JIM BELARDI	82	4:19.32 PETER EGAN	32	32.64 STEPHEN STAHL	31	2:26.15 JOHN OWSIANY	34
2:10.79 BILL ZOLNA	27	4:21.88 GERRY RODRIGUES	33	32.97 DEAN PUTTERMAN	34	2:26.84 JOHN DISALLE	32
2:12.95 KYLE KIMBALL	25	4:23.98 JEFF ERWIN	32	33.29 DIETRICH LAWRENCE	30	2:27.38 ROCH KING	33
2:20.52 C.DISALLE	27	4:24.46 MIKE SHAFFER	30	33.35 TIM MACDONALD	31	400 M. I.M. M E N 30-34	
2:22.61 JAMES WOLFLE	28	4:25.69 ROBERT HUDEK	34	33.76 JOHN SCHWENGER	31	4:40.22 SEAN MURPHY	94
2:24.32 JAY O'CONNOR	27	4:27.21 MICHAEL MOORE	32	33.97 JOHN STENROOS	33	4:49.36 BRUCE HAYES	32
2:24.96 DOUG FADEL	26	4:28.16 DENNIS TESCH	31	100 M. BRST M E N 30-34		5:03.92 TODD CLARK	31
2:25.48 KURT DICKSON	29	4:29.91 TODD CLARK	31	1:05.65 DAVID LUNDBERG	91	5:07.85 MICHAEL NEAL	32
2:30.29 TODD GREENE	26	4:29.96 MICHAEL COLLINS	30	1:06.68 MARK VANDER MEY	30	5:08.21 JEFF ERWIN	32
2:37.80 PASCAL COHEN	29	800 M. FREE M E N 30-34		1:09.56 BOB JENNINGS	30	5:09.04 MICHAEL COLLINS	30
2:42.09 STEVEN BURKE	26	8:40.19 ROWDY GAINES	93	1:10.66 GLENN MILLS	34	5:10.65 ROBERT HUDEK	34

# TOP TEN - LONG COURSE METERS

5:17.47 STEPHEN STAHL 31	19:10.40 MARTY HENDRICK 37	25.93 MICHAEL BOTTOM 93	57.80 THOMAS BOYD 40
5:18.37 JOHN OWSIANY 34	19:20.64 DANIEL SULLIVAN 35	26.22 ROWDY GAINES 36	57.82 CRAIG BURNS 43
5:19.69 DANIEL ALLEN 34	50 M. BACK M E N 35-39	26.36 JEFF STUART 35	58.12 LARRY WOOD 42
5:24.54 JONATHAN OLSEN 33	28.04 THOMPSON MANN 78	26.43 WILLIAM SPECHT 38	58.92 PAUL WINDRATH 42
*****	29.29 JOE REINHARDT 35	26.61 THOMAS REDIG 35	59.06 JOHN MARTIN 40
50 M. FREE M E N 35-39	29.71 PAUL FRENTSOS 35	26.81 JAMES BALLARD 38	59.28 WILLIAM DRULIAS 44
24.27 BRUCE STAHL 93	29.95 JAMES BALLARD 38	27.43 SAM SEIPLE 36	59.67 DAVID SCHRADER 40
24.01 ROWDY GAINES 36NV	30.01 CURT LACOUNT 37	27.45 PAUL FRENTSOS 35	59.92 JOSE CUNNINGHAM 40
24.50 THOMAS REDIG 35	30.29 SCOTT SHAKE 38	27.63 THOMAS MC CABE 38	1:00.12 FREDERICK EHMKE 41
24.93 KEVIN HOOK 35	30.35 DAVID GIBSON 36	27.67 TED SOLTYS 36	200 M. FREE M E N 40-44
25.17 JOE REINHARDT 35	30.65 JEFF FREY 35	27.81 CHARLIE ROBERTS 35	2:01.16 HESS YNTEMA 95
25.43 SAM SEIPLE 36	30.66 PAUL GRIFFITH 38	100 M. FLY M E N 35-39	2:03.55 HESS YNTEMA 42
25.64 THOMAS MC CABE 38	30.85 ANDREAS SEIBT 38	56.60 JEFF STUART 96	2:04.99 DAVID SHEPHERD 40
25.78 TED SOLTYS 36	31.27 WILLIAM SPECHT 38	56.60 JEFF STUART 35	2:07.18 LARRY WOOD 42
25.84 JEFF FREY 35	100 M. BACK M E N 35-39	58.42 WILLIAM SPECHT 38	2:07.40 HOWARD JAY 40
25.98 JAY CALHOUN 36	1:00.95 WILLIAM SPECHT 93	58.42 WILLIAM SPECHT 38	2:07.84 PAUL WINDRATH 42
26.00 BRUCE FAUBEL 35	1:02.53 WILLIAM SPECHT 38	1:01.08 THOMAS REDIG 35	2:11.07 TOM REUDY 41
100 M. FREE M E N 35-39	1:03.15 JAMES BALLARD 38	1:01.43 PAUL FRENTSOS 35	2:11.64 THOMAS BOYD 40
51.49 ROWDY GAINES 95	1:03.74 JOE REINHARDT 35	1:01.81 KERRY O'BRIEN 39	2:12.48 JAMIE BAIRD 41
54.34 KEVIN HOOK 35	1:04.77 GLENN PATCHING 38	1:02.21 SAM SEIPLE 36	2:13.49 DANIEL PICK 40
55.45 THOMAS REDIG 35	1:05.94 SCOTT SHAKE 38	1:02.48 DANIEL SULLIVAN 35	2:13.91 FRED MAYER 40
56.41 JOE REINHARDT 35	1:06.33 CURT LACOUNT 37	1:03.71 TIMOTHY DODGE 35	400 M. FREE M E N 40-44
56.58 SAM SEIPLE 36	1:06.58 GARY QUINN 38	1:03.87 JIM TUCKER 35	4:20.37 HESS YNTEMA 96
57.40 JAY CALHOUN 36	1:07.28 ANDREAS SEIBT 38	200 M. FLY M E N 35-39	4:20.37 HESS YNTEMA 42
57.55 MIKE KECK 36	1:08.64 MIKE KECK 36	2:06.74 JEFF STUART 96	4:24.21 DAVID SHEPHERD 40
57.62 DANIEL SULLIVAN 35	1:08.98 CHRIS LAYTON 36	2:06.74 JEFF STUART 35	4:35.63 LARRY WOOD 42
57.76 TED SOLTYS 36	200 M. BACK M E N 35-39	2:09.35 WILLIAM SPECHT 38	4:36.19 PAUL WINDRATH 42
57.78 G. HEUCHLING 36	2:13.83 TOM WOLF 90	2:19.47 KERRY O'BRIEN 39	4:39.55 NEIL WASSERMAN 41
57.91 THOMAS MC CABE 38	2:15.93 WILLIAM SPECHT 38	2:23.29 DANIEL SULLIVAN 35	4:42.90 DAVID SCHRADER 40
200 M. FREE M E N 35-39	2:22.20 SCOTT SHAKE 38	2:24.28 JOSEPH RHYNE 37	4:43.51 CHARLES YOURD 44
1:57.68 ROWDY GAINES 94	2:24.39 JOSEPH RHYNE 37	2:24.71 MATTHEW KANZLER 39	4:44.25 DANIEL PICK 40
2:00.37 ROWDY GAINES 36	2:25.48 ANDREAS SEIBT 38	2:30.49 BRUCE HATTON 39	4:44.63 FRED MAYER 40
2:00.74 KIRK ANDERSON 36	2:25.87 DAVID BURLESON 39	2:30.71 MARK BOOTH 36	4:46.20 HOWARD COYE 41
2:02.60 BILL PALMER 35	2:31.22 MATTHEW PAINTER 37	2:31.19 TIMOTHY DODGE 35	800 M. FREE M E N 40-44
2:04.03 MIKE KECK 36	2:31.29 MIKE KECK 36	2:32.80 ANDREAS SEIBT 38	8:57.66 HESS YNTEMA 95
2:06.00 DANIEL SULLIVAN 35	2:32.45 MARTY HENDRICK 38	200 M. I. M. M E N 35-39	9:16.82 HOWARD JAY 40
2:07.74 GARY QUINN 37	2:33.03 BRUCE HATTON 38	2:16.49 MARK SCHUMAN 92	9:26.58 DAVID SHEPHERD 40
2:08.24 ED FLORY 36	2:33.76 WAYDE MULHERN 37	2:18.83 MIKE KECK 36	9:40.55 LARRY WOOD 42
2:08.41 SCOTT RABALAIS 37	50 M. BRST M E N 35-39	2:20.47 THOMAS REDIG 35	9:50.63 CHARLES YOURD 44
2:08.73 JOHN LOWE 35	30.13 DAVID GUTHRIE 95	2:21.50 MATT CLARK 38	9:52.00 NEIL WASSERMAN 41
2:08.79 THOMAS MC CABE 38	30.97 DAVID GUTHRIE 36	2:22.73 PAUL FRENTSOS 35	9:53.44 DAVID SCHRADER 40
400 M. FREE M E N 35-39	31.98 GARRET RATCLIFFE 35	2:25.13 GARY QUINN 38	9:54.48 RICK SCRAY 42
4:07.64 ROWDY GAINES 95	32.39 STEVE BOONE 37	2:26.97 MATTHEW KANZLER 39	9:56.98 DANIEL PICK 40
4:17.56 KIRK ANDERSON 36	32.90 MICHAEL HAMM 39	2:27.88 GREGORY DOZER 38	10:03.78 SCOTT HARRIS 42
4:19.29 BILL PALMER 35	32.91 MARC SCHLATTER 37	2:28.04 RICHARD FORRESTEL 38	10:04.75 NED MAGGIORA 41
4:27.01 MIKE KECK 36	33.08 MICHAEL SLOWEY 38	2:29.81 JIM CALLAHAN 38	1500 M. FREE M E N 40-44
4:32.55 SCOTT RABALAIS 37	33.62 JOSI CUNNINGHAM 39	2:29.94 TIM CEPEDAS 36	16:58.52 HESS YNTEMA 95
4:34.20 WILLIAM SPECHT 38	33.91 MORI PAULSEN 38	400 M. I. M. M E N 35-39	17:46.76 DAVID SHEPHERD 40
4:36.58 JOHN LOWE 35	34.29 RICHARD HABERMAN 36	4:50.27 JEFF STILLING 95	18:36.88 NEIL WASSERMAN 41
4:36.97 MATT CLARK 38	34.42 CHRIS DIXON 36	5:01.23 MIKE KECK 36	18:50.88 LARRY WOOD 42
4:37.06 LARRY BLACK 38	100 M. BRST M E N 35-39	5:06.10 MATT CLARK 38	18:54.03 NED MAGGIORA 41
4:37.07 GARY QUINN 37	1:05.67 DAVID GUTHRIE 95	5:07.87 GARY QUINN 37	18:59.48 FRED MAYER 40
4:37.18 KERRY O'BRIEN 39	1:06.86 DAVID GUTHRIE 36	5:09.72 PAUL FRENTSOS 35	19:07.28 SCOTT HARRIS 42
800 M. FREE M E N 35-39	1:11.33 GARRET RATCLIFFE 35	5:12.00 ANDREAS SEIBT 38	19:20.34 FRANK THOMPSON 44
8:38.73 ROWDY GAINES 95	1:11.76 MICHAEL HAMM 39	5:14.14 MATTHEW KANZLER 39	19:29.49 DAVID SCHRADER 40
8:38.73 ROWDY GAINES 36	1:12.19 STEVE BOONE 37	5:20.80 GREGORY DOZER 38	19:43.86 LAWRENCE PECK 42
8:54.68 KIRK ANDERSON 36	1:13.31 MICHAEL SLOWEY 38	5:21.48 SCOTT RABALAIS 37	19:46.21 PAUL WINDRATH 42
8:55.48 JEFF STUART 35	1:14.38 MORI PAULSEN 38	5:22.40 RICHARD FORRESTEL 38	50 M. BACK M E N 40-44
8:58.05 BILL PALMER 35	1:15.85 MATTHEW KANZLER 39	5:22.57 BRUCE HATTON 39	29.10 CLAY EVANS 96
9:09.35 MIKE KECK 36	1:15.86 RON SCHAFFER 38	*****	29.10 CLAY EVANS 42
9:17.71 JOSEPH RHYNE 37	1:16.69 JACK EWING 35	50 M. FREE M E N 40-44	29.84 THOMAS WOLF 41
9:26.92 SCOTT RABALAIS 37	1:16.76 PAT ALLENDER 37	24.39 RICK ABBOTT 95	29.87 RICK ABBOTT 41
9:30.68 MATT CLARK 38	200 M. BRST M E N 35-39	25.15 RICK ABBOTT 41	30.40 JAMIE BAIRD 41
9:34.65 ED FLORY 36	2:24.37 DAVID GUTHRIE 95	25.73 ROGER KAHN 40	30.74 TIMOTHY ROURKE 41
9:36.25 JOE RHYNE 37	2:37.16 RON SCHAFFER 38	25.99 JOSE CUNNINGHAM 40	31.02 RICHARD BROWN 40
1500 M. FREE M E N 35-39	2:41.37 MICHAEL HAMM 39	26.00 JOHN PIECUCH 40	31.87 DALE KEITH 41
16:37.34 ROWDY GAINES 94	2:41.52 MATTHEW KANZLER 39	26.24 CRAIG BURNS 43	31.93 DENNIS BOYD 41
18:00.09 SCOTT RABALAIS 37	2:46.37 ANDREW BRENNAN 35	26.30 ERIC VAN BOER 41	32.39 WARREN FISHER 40
18:01.91 MIKE KECK 36	2:47.67 GARRET RATCLIFFE 35	26.34 TIMOTHY ROURKE 41	32.46 JOSHUA SCOTT 40
18:33.52 LARRY BLACK 38	2:47.81 MICHAEL SLOWEY 38	26.54 FREDERICK EHMKE 41	100 M. BACK M E N 40-44
18:33.94 MARK HAHN 39	2:47.93 JIM MATYSEK 36	26.55 DAVID TOLER 41	1:03.39 PETER O'KEEFFE 90
18:37.70 L. MEISENHEIMER 38	2:49.18 JOSEPH MAGIERA 39	26.61 GRIFF THOMPSON 41	1:04.00 THOMAS WOLF 41
18:50.02 KARL KOLB 35	2:49.87 PAT ALLENDER 37	100 M. FREE M E N 40-44	1:04.49 CLAY EVANS 42
18:51.64 RICH DESELM 39	2:50.34 JACK EWING 35	54.47 RICK ABBOTT 95	1:04.83 MARK LIST 40
19:05.04 JAMES NEY 37	50 M. FLY M E N 35-39	55.31 RICK ABBOTT 41	1:07.28 JAMIE BAIRD 41

# TOP TEN - LONG COURSE METERS

1:08.28	KURT MOEHLMANN	44	1:07.57	ROBERT BAUMAN	40	2:20.46	RICK WALKER	45	33.17	DON MC KENZIE	49
1:09.45	TERRY JAYNES	40	1:07.62	BILL ADKISON	41	400 M. FREE M E N 45-49			33.61	ROBERT PUELS	45
1:09.82	RICHARD BROWN	40	1:07.78	JOHN CULHANE	40	4:24.37	TIM BRODERICK	96	33.73	TIM BRODERICK	45
1:10.72	PHILIPP DJANG	41	200 M. FLY M E N 40-44		4:24.37	TIM BRODERICK	45	34.41	ALLEN STARK	47	
1:10.87	MICHAEL STICKNEY	40	2:12.43	HESS YNTEMA	96	4:34.24	RANDY WILLIAMS	45	34.84	MIKE WHITAKER	45
1:10.90	JOSHUA SCOTT	40	2:12.43	HESS YNTEMA	42	4:37.72	TOD SPIEKER	47	35.09	RICK WALKER	45
200 M. BACK M E N 40-44			2:20.59	HOWARD JAY	40	4:38.08	TODD BRYAN	45	35.24	CLAY KOLAR	47
2:18.17	PETER O'KEEFFE	90	2:20.64	DAVID SHEPHERD	40	4:38.14	JOHN NOLAN	47	35.29	BOB LIOTTA	45
2:19.98	CLAY EVANS	42	2:25.21	NEIL WASSERMAN	41	4:46.80	KEITH BELL	48	35.40	GABOR MENYHARTH	49
2:21.17	THOMAS WOLF	41	2:25.63	RANDY WILLIAMS	44	4:47.87	JIM CLEMMONS	46	35.56	STEVEN HECK	46
2:21.91	MARK LIST	40	2:28.59	CHARLES YOURD	44	4:53.06	MARVIN SCHWARTZ	47	100 M. BRST M E N 45-49		
2:25.55	FRED FERROGGIARO	42	2:32.68	ROBERT WRIGHT	41	4:55.09	LONNY HARRISON	47	1:12.96	ROBERT STRAND	94
2:26.83	PAUL WINDRATH	42	2:33.05	RONALD KANE	44	4:55.17	TREVOR CHARLTON	46	1:14.79	TIM BRODERICK	45
2:29.14	JAMIE BAIRD	41	2:35.03	JAMES GRUBBS	41	800 M. FREE M E N 45-49			1:15.40	DON MC KENZIE	49
2:31.53	KURT MOEHLMANN	44	2:35.04	RUSSEL FRYDENBORG	40	9:16.09	TIM BRODERICK	96	1:15.83	ALLEN STARK	47
2:32.67	TERRY JAYNES	40	200 M. I.M. M E N 40-44		9:16.09	TIM BRODERICK	45	1:16.16	MIKE WHITAKER	45	
2:35.20	RICK SCRAY	42	2:17.64	HESS YNTEMA	95	9:23.77	TODD BRYAN	45	1:17.71	ROBERT PUELS	45
2:35.31	W.RANSOM-NELSON	43	2:17.78	HESS YNTEMA	42	9:30.35	TOD SPIEKER	48	1:17.95	RICK WALKER	45
50 M. BRST M E N 40-44			2:22.53	CLAY EVANS	42	9:31.86	RANDY WILLIAMS	45	1:18.21	STEVEN HECK	46
30.82	PEDER DAHLBERG	92	2:23.68	THOMAS WOLF	41	9:37.74	JOHN NOLAN	47	1:18.46	CLAY KOLAR	47
33.11	JOSE CUNNINGHAM	40	2:23.90	THOMAS BOYD	40	10:08.94	KEITH BELL	48	1:18.87	JOHN DERR	47
33.54	GREG BRANNICK	40	2:24.69	RICK ABBOTT	41	10:09.09	MARVIN SCHWARTZ	47	1:19.69	DAN ROGACKI	49
33.97	JAY WALTERS	41	2:25.46	NEIL WASSERMAN	41	10:10.59	GAARD ARNESON	48	200 M. BRST M E N 45-49		
33.99	RICHARD ENRIGHT	43	2:27.42	TOM REUDY	41	10:16.11	BRUCE JOHNSON	45	2:41.64	ROBERT STRAND	94
34.15	PATRICK DI BIASE	41	2:28.43	PAUL WINDRATH	42	10:18.27	STEPHEN JOHNSON	48	2:42.64	TIM BRODERICK	45
34.20	STEVEN SCHONHOLZ	40	2:28.85	LARRY WOOD	42	1500 M. FREE M E N 45-49			2:49.96	ALLEN STARK	47
34.43	MICHAEL EDMONDS	42	2:29.19	TERRY JAYNES	40	17:38.65	TODD BRYAN	96	2:50.14	MIKE WHITAKER	45
34.46	ROBERT PUELS	44	400 M. I.M. M E N 40-44		17:38.65	TODD BRYAN	45	2:51.80	JIM CLEMMONS	46	
34.81	DAVID WESLEY	43	4:53.03	HESS YNTEMA	95	17:59.97	TIM BRODERICK	45	2:53.70	RICK WALKER	45
34.84	PHILIP JONCKHEER	44	5:05.48	DAVID SHEPHERD	40	18:02.51	RANDY WILLIAMS	45	2:56.05	CLAY KOLAR	47
100 M. BRST M E N 40-44			5:10.09	NEIL WASSERMAN	41	18:16.14	TOD SPIEKER	47	2:59.67	JOHN ROEMIG	46
1:09.95	PEDER DAHLBERG	92	5:15.50	THOMAS WOLF	41	19:12.19	JOHN NOLAN	47	3:00.05	DAVID LEVINSON	46
1:14.75	JOSE CUNNINGHAM	40	5:21.99	THOMAS BOYD	40	19:14.34	KEITH BELL	48	3:00.54	STEVEN VAN NORT	45
1:14.98	GREG BRANNICK	40	5:23.26	PAUL WINDRATH	42	19:48.51	STEVEN HECK	46	3:00.72	DAVE GEMMILL	48
1:15.40	RICHARD ENRIGHT	43	5:26.20	CHARLES YOURD	44	19:49.19	WILLIAM CERNY	48	50 M. FLY M E N 45-49		
1:15.60	PATRICK DI BIASE	41	5:27.96	NED MAGGIORA	41	19:54.34	BRUCE JOHNSON	45	27.12	DAN THOMPSON	92
1:16.57	JAY WALTERS	41	5:31.51	RICK SCRAY	42	19:59.50	LARRY ESCHENBURG	46	27.92	DAN THOMPSON	49
1:16.59	PHILIP JONCKHEER	44	5:33.29	ROBERT WRIGHT	41	50 M. BACK M E N 45-49			28.14	LAWRENCE DAY	45
1:18.01	GARY KRAGE	40	5:34.58	JOHN CULHANE	40	30.30	RICHARD BOBER	96	28.22	GARY HALL	45
1:18.26	PETER MC CANDLESS	40	*****			30.30	RICHARD BOBER	45	28.32	JOHN FOOTE	45
1:18.83	VICTOR WAGONER	40	50 M. FREE M E N 45-49			31.23	WILLIAM TINGLEY	46	28.85	ARTHUR DEFFAA	47
1:19.35	NEIL WASSERMAN	41	25.30	RICHARD ABRAHAMS	90	32.18	STEVEN HECK	46	28.93	STEVE BOSTER	45
200 M. BRST M E N 40-44			26.38	ROBERT PUELS	45	32.47	BILL DOW	45	28.97	JOHN DERR	47
2:32.17	RICK COLELLA	92	26.47	TIM BRODERICK	45	32.67	EDWARD MATHEWSON	49	29.00	STEVEN HECK	46
2:43.06	RICHARD ENRIGHT	43	26.83	RICHARD BOBER	45	32.77	PAUL LANDES	46	29.23	TIM BRODERICK	45
2:46.11	GREG BRANNICK	40	26.94	RANDY SIMONS	48	32.94	BILL BARTHOLD	47	29.27	BOO GRANER GALLAS	48
2:46.64	PATRICK DI BIASE	41	27.05	STEVEN HECK	46	33.04	FRANK WARNER	47	100 M. FLY M E N 45-49		
2:49.82	VICTOR WAGONER	40	27.40	ROBERT MAESTRE	46	33.27	J NATHAN LEECH	47	1:02.47	BOO GRANER GALLAS96	
2:52.19	GARY KRAGE	40	27.58	PAUL LANDES	46	34.00	LEONARD BROCKHAHN	46	1:02.47	BOO GRANER GALLAS	48
2:54.02	TOM REUDY	41	27.72	ROBERT SINSHEIMER	47	100 M. BACK M E N 45-49			1:03.51	LAWRENCE DAY	45
2:54.53	HOWARD COYE	41	27.74	BILL BARTHOLD	47	1:05.64	PETER O'KEEFFE	95	1:04.01	RANDY WILLIAMS	45
2:54.71	JAMES HUGUENARD	42	27.89	MICHAEL KOONIN	46	1:07.16	RICHARD BOBER	45	1:04.98	ARTHUR DEFFAA	47
2:55.55	STEVE HANSEN	44	100 M. FREE M E N 45-49			1:08.39	TOD SPIEKER	48	1:05.33	STEVE BOSTER	45
2:55.95	PETER MC CANDLESS	40	56.73	TIM BRODERICK	96	1:08.99	WILLIAM TINGLEY	46	1:05.37	TIM BRODERICK	45
50 M. FLY M E N 40-44			56.73	TIM BRODERICK	45	1:12.37	STEVEN HECK	46	1:05.38	DAVID TANNER	46
26.62	RICHARD HESS	95	59.54	LEONARD BROCKHAHN	46	1:12.73	BILL BARTHOLD	47	1:05.82	FRED SCHLICHER	48
27.00	RICK ABBOTT	41	59.56	BOO GRANER GALLAS	48	1:13.93	JAMES KING	49	1:07.10	STEVEN HECK	46
27.60	CLAY EVANS	42	59.78	ANDREW MC PHERSON	49	1:14.07	BILL DOW	45	1:07.70	DAVID LEVINSON	46
28.11	CRAIG BURNS	43	1:00.19	DAVID TANNER	46	1:14.09	PAUL LANDES	46	200 M. FLY M E N 45-49		
28.29	JAMIE BAIRD	41	1:00.64	ROBERT PUELS	45	1:14.12	LARRY RINGER	48	2:21.84	BOO GRANER GALLAS96	
28.41	KEVIN MCCORMACK	43	1:01.35	STEVEN HECK	46	1:14.16	J NATHAN LEECH	47	2:21.84	BOO GRANER GALLAS	48
28.43	FREDERICK EHMKE	41	1:01.45	FRED SCHLICHER	48	200 M. BACK M E N 45-49			2:25.41	RANDY WILLIAMS	45
28.52	JOHN PIECUCH	40	1:02.03	ARTHUR DEFFAA	47	2:23.84	PETER O'KEEFFE	95	2:26.77	LAWRENCE DAY	45
28.68	TIMOTHY ROURKE	41	1:02.62	BILL BARTHOLD	47	2:26.51	TOD SPIEKER	48	2:27.17	DAVID TANNER	46
28.69	BILL ADKISON	41	200 M. FREE M E N 45-49			2:36.10	LONNY HARRISON	47	2:30.65	TIM BRODERICK	45
28.85	TERRY JAYNES	40	2:03.71	TIM BRODERICK	96	2:37.85	WILLIAM TINGLEY	46	2:30.90	FRED SCHLICHER	48
100 M. FLY M E N 40-44			2:03.71	TIM BRODERICK	45	2:40.18	BILL BARTHOLD	47	2:32.83	KEITH BELL	48
59.02	HESS YNTEMA	95	2:09.63	LEONARD BROCKHAHN	46	2:40.71	JAMES KING	49	2:33.35	JOHN NOLAN	47
1:03.18	THOMAS BOYD	40	2:10.12	TOD SPIEKER	48	2:40.96	MARVIN SCHWARTZ	47	2:34.74	JIM CLEMMONS	46
1:03.35	FREDERICK EHMKE	41	2:11.97	JOHN NOLAN	47	2:41.66	BILL DOW	45	2:36.05	ARTHUR DEFFAA	47
1:03.95	TERRY JAYNES	40	2:14.13	DAVID TANNER	46	2:41.74	CHIP GLIDDEN	46	200 M. I.M. M E N 45-49		
1:04.19	CRAIG BURNS	43	2:16.80	JIM CLEMMONS	46	2:43.22	RICHARD BOBER	45	2:22.06	TIM BRODERICK	96
1:04.98	KEVIN MCCORMACK	43	2:19.20	MICHAEL KOONIN	46	2:44.29	RICHARD CHANEY	46	2:22.06	TIM BRODERICK	45
1:05.78	JAMES GRUBBS	41	2:19.39	CHARLES PATRICK	47	50 M. BRST M E N 45-49			2:27.65	ANDREW MC PHERSON	49
1:05.90	CHARLES YOURD	44	2:19.58	BILL DABRY	49	32.48	ROBERT STRAND	94	2:30.78	STEVEN HECK	46

# TOP TEN - LONG COURSE METERS

2:32.52 LONNY HARRISON 47	11:21.64 DONALD KROEGER 52	1:23.83 T.VANDERVEEN 51	50 M. FREE M E N 55-59
2:33.84 JIM CLEMMONS 46	11:26.85 DONALD GALINE 50	1:24.25 PAUL SHANE 50	27.08 JEFF FARRELL 95
2:35.65 LEONARD BROCKHAHN 46	11:28.52 JACK LIKINS 51	200 M. BRST M E N 50-54	27.95 RICHARD BASSI 55
2:36.57 ROBERT PUELS 45	11:31.27 JAMES BUDDE 50	2:40.57 ROBERT STRAND 96	28.23 JERRY CLARK 58
2:36.62 ARTHUR DEFFAA 47	11:31.61 RONALD POHLONSKI 52	2:40.57 ROBERT STRAND 50	28.25 JAMES KRUEGER 57
2:37.54 KEITH BELL 48	1500 M. FREE M E N 50-54	2:55.33 PAUL JEFFERS 50	29.08 MIKE FRESHLEY 55
2:38.95 DAVID LEVINSON 46	19:19.43 ED CAZALET 93	2:55.59 TEGZE HARASZTI 54	29.25 WILLIAM CLAERHOUT 56
400 M. I.M. M E N 45-49	19:36.68 ROBERT CASEY 51	2:57.93 JOHN CALVERT 50	29.73 TOM WINTERS 56
5:10.08 TIM BRODERICK 96	20:33.58 JOHN SELMER 51	3:00.18 ROBERT POILETMAN 52	29.88 MATT CHROSTOWSKI 55
5:10.08 TIM BRODERICK 45	21:14.25 DENNIS MANRIQUE 50	3:01.75 DENNIS MANRIQUE 50	29.99 PAUL JOHNSON 55
5:13.85 RANDY WILLIAMS 45	21:49.95 JOHN LADD 50	3:02.88 ALLEN MURRAY 51	30.10 DAVID HARRISON 58
5:28.27 JIM CLEMMONS 46	22:16.41 DON DAVIS 51	3:03.75 KEN FROST 51	30.36 BILL EARLEY 59
5:28.61 JOHN NOLAN 47	22:52.49 DONALD KROEGER 53	3:05.37 T.VANDERVEEN 51	100 M. FREE M E N 55-59
5:33.22 KEITH BELL 48	22:53.05 MICHAEL MARKMAN 50	3:05.50 PHILLIP WHITTEN 52	1:00.87 JEFF FARRELL 95
5:35.85 STEVEN HECK 46	23:07.21 JOHN ZEIGLER 50	50 M. FLY M E N 50-54	1:03.83 RICHARD BASSI 55
5:45.57 DAN ROGACKI 49	23:07.37 RICHARD MONAHAN 54	27.74 KEEFE LODWIG 96	1:04.23 JERRY CLARK 58
5:46.73 DAVID LEVINSON 46	23:52.63 PETER LEE 53	27.74 KEEFE LODWIG 53	1:04.69 MIKE FRESHLEY 55
5:47.41 CHIP GLIDDEN 46	50 M. BACK M E N 50-54	29.36 HARRY GREENFIELD 51	1:04.97 JAMES KRUEGER 57
5:48.14 GAARD ARNESON 48	30.93 JOHN SMITH 88	29.89 DAVE QUIGGIN 51	1:05.00 DRURY GALLAGHER 57
*****	31.57 TIM BIRNIE 50	30.14 RICHARD ARLUCK 50	1:05.68 DAVID HARRISON 58
50 M. FREE M E N 50-54	32.87 WILLIAM BACON 50	30.16 JIM DRAGON 52	1:08.24 ERNIE LESKOVITZ 59
25.93 KEEFE LODWIG 96	33.16 JAMES BEGLINGER 50	30.80 CHARLES NIELSEN 50	1:08.99 BILL EARLEY 59
25.93 KEEFE LODWIG 53	33.39 ROBERT SMITH 53	30.97 JAMES BEGLINGER 50	1:09.14 WILLIAM CLAERHOUT 56
26.69 RICHARD ARLUCK 50	33.55 DAVE QUIGGIN 51	31.01 BOB PARKER 50	1:09.90 TIM JECKO 58
26.91 ROBERT STRAND 50	33.57 DAN BEHR 51	31.19 ROBERT POILETMAN 52	200 M. FREE M E N 55-59
27.38 JIM DRAGON 52	33.71 ROBERT STRAND 50	31.34 C MUTER 53	2:17.63 JEFF FARRELL 94
27.57 DAVE QUIGGIN 51	33.78 DONALD GALINE 50	100 M. FLY M E N 50-54	2:23.55 DAVID HARRISON 58
27.69 HARRY GREENFIELD 51	34.11 JIM DRAGON 52	1:05.83 TIMOTHY GARTON 92	2:23.65 DRURY GALLAGHER 57
27.91 EDWARD CAZALET 53	34.33 THOMAS FINNEGAN 50	1:07.88 ROBERT POILETMAN 52	2:26.99 RICHARD BASSI 55
27.98 TIM BIRNIE 50	100 M. BACK M E N 50-54	1:08.72 TIMOTHY GARTON 53	2:27.64 TOM WINTERS 56
28.16 ROBERT SMITH 53	1:08.52 TIM BIRNIE 96	1:09.09 HARRY GREENFIELD 51	2:28.50 ERNIE LESKOVITZ 59
28.17 ROBERT CASEY 51	1:08.52 TIM BIRNIE 50	1:11.05 BRIAN FOSS 54	2:28.71 JERRY CLARK 58
100 M. FREE M E N 50-54	1:12.29 WILLIAM BACON 50	1:11.31 PAULO FIGUEIREDO 50	2:29.52 MIKE FRESHLEY 55
57.86 KEEFE LODWIG 96	1:13.52 JAMES BEGLINGER 50	1:12.61 JOSEPH COPLAN 50	2:34.12 O NORDSTROM 55
57.86 KEEFE LODWIG 53	1:17.01 THOMAS FINNEGAN 50	1:14.87 BOB PARKER 50	2:34.92 JAMES KRUEGER 57
58.35 TIMOTHY GARTON 53	1:17.12 JOSEPH GUIGNON 50	1:15.70 ULI KLINKE 51	2:39.00 JERRY GLANCY 58
58.83 RICHARD ARLUCK 50	1:17.55 DONALD GALINE 50	1:15.91 JOSEPH GUIGNON 50	400 M. FREE M E N 55-59
1:00.36 TIM BIRNIE 50	1:18.19 RICHARD ALEXANDER 52	1:15.99 HUGH RODDIN 54	4:57.21 DAVID HARRISON 94
1:00.47 DAVE QUIGGIN 51	1:18.65 RICHARD SIERS 52	200 M. FLY M E N 50-54	5:03.42 DRURY GALLAGHER 57
1:01.97 EDWARD CAZALET 53	1:18.78 PETER BETZER 54	2:33.79 BILL YORZYK 83	5:08.06 DAVID HARRISON 58
1:02.05 DONALD GALINE 50	1:18.92 DAVE QUIGGIN 51	2:33.99 JOHN CALVERT 50	5:26.75 ERNIE LESKOVITZ 59
1:03.14 ROBERT CASEY 51	200 M. BACK M E N 50-54	2:38.59 ROBERT POILETMAN 52	5:29.41 MURRAY MC LACHLAN 55
1:04.19 ROBERT POILETMAN 52	2:30.37 JOHN CALVERT 96	2:48.57 HARRY GREENFIELD 51	5:31.20 JERRY CLARK 58
1:04.96 WILLIAM BACON 50	2:30.37 JOHN CALVERT 50	2:57.90 PAULO FIGUEIREDO 50	5:33.74 BILL STEUART 59
200 M. FREE M E N 50-54	2:32.57 TIM BIRNIE 50	2:59.02 WILLIAM BROWN 50	5:35.54 MIKE FRESHLEY 55
2:09.74 TIMOTHY GARTON 93	2:44.01 JOSEPH GUIGNON 50	2:59.72 HUGH RODDIN 54	5:37.45 GEORGE MANN 58
2:12.56 TIM BIRNIE 50	2:45.68 PAUL HEBERT 50	3:00.31 ULI KLINKE 51	5:40.21 CARL WOOLLEY 59
2:13.93 TIMOTHY GARTON 53	2:46.41 WILLIAM BACON 50	3:04.56 MIKE LAUX 54	5:50.01 JOHN MEDICI 58
2:14.26 KEEFE LODWIG 53	2:47.20 JAMES BEGLINGER 50	3:04.85 JOHN GRAHAM 50	800 M. FREE M E N 55-59
2:16.02 ROBERT CASEY 51	2:47.33 EDWARD CAZALET 53	3:09.86 JOHN ZEIGLER 50	9:57.41 MURRAY MCLACHLAN 96
2:17.28 EDWARD CAZALET 53	2:49.64 DONALD GALINE 50	200 M. I.M. M E N 50-54	9:57.41 MURRAY MC LACHLAN 55
2:21.81 HARRY GREENFIELD 51	2:51.75 GORDON DEMEESTER 53	2:28.70 TIMOTHY GARTON 93	10:25.67 DRURY GALLAGHER 57
2:23.02 DONALD GALINE 50	2:53.66 THOMAS FINNEGAN 50	2:29.44 TIMOTHY GARTON 53	10:32.82 DAVID HARRISON 58
2:23.06 TEX HARASZTI 54	50 M. BRST M E N 50-54	2:30.80 JOHN CALVERT 50	10:53.44 TEGZE HARASZTI 55
2:24.52 DAVE QUIGGIN 51	33.23 ROBERT STRAND 96	2:38.03 EDWARD CAZALET 53	11:07.57 MEL GOLDSTEIN 57
2:26.63 M. MONTGOMERY 50	33.23 ROBERT STRAND 50	2:38.08 JAMES BEGLINGER 50	11:32.06 JERRY CLARK 58
400 M. FREE M E N 50-54	35.59 KEN FROST 51	2:38.69 ROBERT POILETMAN 52	11:33.05 JOSEPH ZELSON 55
4:43.72 TIMOTHY GARTON 92	35.78 JIM DRAGON 52	2:45.09 DENNIS MANRIQUE 50	11:52.10 WILLIAM TIMKEN 57
4:58.49 EDWARD CAZALET 53	36.27 PETER ANDERSEN 52	2:45.86 PAUL JEFFERS 50	11:53.54 CARL WOOLLEY 59
5:01.00 ROBERT CASEY 51	36.41 PHIL WHITTEN 52	2:46.91 PAULO FIGUEIREDO 50	11:54.91 PATRICK SCHLUP 56
5:14.83 JOHN GRAHAM 50	36.78 T.VANDERVEEN 51	2:47.11 JOSEPH GUIGNON 50	1500 M. FREE M E N 55-59
5:18.28 M. MONTGOMERY 50	36.98 PAUL SHANE 50	2:49.23 PAUL SHANE 50	19:54.72 BURWELL JONES 90
5:20.88 DON DAVIS 51	37.51 JOHN ZEIGLER 50	400 M. I.M. M E N 50-54	20:44.44 WILLIAM VAN HORN 57
5:21.83 ROBERT WILLIAMS 54	37.66 GREG RENDAHL 50	5:20.78 JOHN CLAVERT 96	20:46.44 TEGZE HARASZTI 55
5:22.63 R. POILETMAN 52	38.03 DAN PER-LEE 52	5:20.78 JOHN CALVERT 50	21:36.01 ERNIE LESKOVITZ 59
5:23.35 PAUL HEBERT 50	100 M. BRST M E N 50-54	5:36.00 TIMOTHY GARTON 53	21:57.97 BILL STEUART 59
5:23.94 DAVE QUIGGIN 51	1:12.38 ROBERT STRAND 96	5:43.71 EDWARD CAZALET 53	22:08.00 MURRAY MC LACHLAN 55
5:24.18 C MUTER 53	1:12.38 ROBERT STRAND 50	5:49.36 TEX HARASZTI 54	22:14.06 WILLIAM TIMKEN 57
800 M. FREE M E N 50-54	1:19.91 PAUL JEFFERS 50	5:49.93 ROBERT POILETMAN 52	22:21.79 CARL WOOLLEY 59
9:55.59 TIMOTHY GARTON 92	1:20.02 JIM DRAGON 52	5:58.83 DENNIS MANRIQUE 50	23:03.87 MIKE FRESHLEY 55
10:13.60 MICHAEL GARIBALDI 50	1:20.82 TEGZE HARASZTI 54	6:04.80 JOSEPH GUIGNON 50	23:04.49 JOSEPH ZELSON 55
10:29.46 ROBERT CASEY 51	1:21.31 KEN FROST 51	6:06.43 C MUTER 53	23:07.86 GEORGE MANN 58
10:50.26 TEX HARASZTI 54	1:21.64 DENNIS MANRIQUE 50	6:10.66 ROBERT WILLIAMS 54	50 M. BACK M E N 55-59
10:56.57 M. MONTGOMERY 50	1:22.91 PETER ANDERSEN 52	6:14.81 JOHN GRAHAM 50	32.94 YOSHI OYAWAKA 92
11:02.37 DENNIS MANRIQUE 50	1:23.81 CHARLES LEE 52	*****	33.34 RICHARD BASSI 55



# TOP TEN - LONG COURSE METERS

33.76 BILL EARLEY 59	32.00 MIKE FRESHLEY 55	1:11.49 JOE ILLICK 61	200 M. BACK M E N 60-64
35.66 ORRIN NORDSTORM 55	32.39 G.WORTHINGTON 59	1:12.47 SID HALL 60	2:45.93 DON BROWN 93
35.68 MARSHALL GREER 59	32.78 TOM WINTERS 56	1:13.21 STAN MORNER 61	2:49.67 RICHARD HANLEY 60
35.94 RICKY EVANS 55	33.62 MEL GOLDSTEIN 57	200 M. FREE M E N 60-64	2:52.20 DONALD BROWN 63
37.26 DAVID ROBINSON 56	33.64 ORRIN NORDSTORM 55	2:23.11 DONALD HILL 92	2:57.97 JACK BEATTIE 61
37.39 TIM JECKO 58	33.64 GEORGE VAN NOY 56	2:30.79 CAV CAVANAUGH 60	3:09.81 CLARKE MITCHELL 64
37.54 ROLFFS PINKERTON 57	100 M. FLY M E N 55-59	2:31.24 BILL ROBERTSON 60	3:11.34 ALAN RAPPERPORT 62
37.57 DAVID GILLANDERS 56	1:09.27 ROBERT PROEBSTING94	2:40.73 WALLY DOBLER 62	3:13.39 STAN MCCONNELL 64
38.05 GEORGE QUIGLEY 56	1:14.29 DAVID GILLANDERS 56	2:40.98 BILL KING 63	3:22.20 MIKE MILLIMAN 61
100 M. BACK M E N 55-59	1:17.08 ERNIE LESKOVITZ 59	2:43.83 JOHN RIES 64	3:29.20 ARTHUR WELCH 63
1:13.15 JACK BEATTIE 90	1:17.16 WILLIAM TIMKEN 57	2:46.37 BARRY BARTLE 63	3:29.67 JOHN SULZBACH 62
1:14.42 RICHARD BASSI 55	1:17.79 JAMES KRUEGER 57	2:46.71 LAWRENCE COHEN 61	3:34.65 C.WEATHERBEE 63
1:17.91 ANTHONY ANTON 58	1:18.78 MEL GOLDSTEIN 57	2:46.88 DAVE ANDERSON 64	50 M. BRST M E N 60-64
1:19.22 BILL EARLEY 59	1:20.80 TONY SILVESTRI 55	2:46.93 ARTHUR WELCH 63	35.91 JOHN KORTHEUER 91
1:20.40 JERRY GLANCY 58	1:22.86 G.WORTHINGTON 59	2:47.37 STAN MORNER 61	38.50 BOB PATTEN 62
1:21.24 GEORGE QUIGLEY 56	1:23.67 BARRY FASBENDER 59	400 M. FREE M E N 60-64	39.59 GEORGE THAYER 60
1:21.52 DAVID ROBINSON 56	1:23.82 JOHN STOVER 55	5:02.70 GRAHAM JOHNSTON 91	40.41 BARR CLAYSON 61
1:22.02 MARSHALL GREER 59	1:25.48 BILL STEUART 59	5:29.94 CAV CAVANAUGH 60	40.85 THOMAS KOENIG 64
1:23.21 LEE BETTIS 58	200 M. FLY M E N 55-59	5:32.35 BILL ROBERTSON 60	41.20 A. EMORY HAWORTH 60
1:23.41 RICKY EVANS 55	2:48.05 ROBERT PROEBSTING94	5:43.00 JOHN WEISER 61	41.30 J.VAN LANDINGHAM 62
1:23.85 ROLFFS PINKERTON 57	3:07.31 WILLIAM TIMKEN 57	5:45.54 A. EMORY HAWORTH 60	41.52 HARRY PIPER 61
200 M. BACK M E N 55-59	3:15.34 TONY SILVESTRI 55	5:55.77 ARTHUR WELCH 63	41.65 JOEL JACOBS 60
2:42.37 DON BROWN 88	3:18.24 DAVID GILLANDERS 56	6:00.64 DAVE ANDERSON 64	42.72 DICK D'ACCARDI 62
2:46.38 RICHARD BASSI 55	3:23.62 BARRY FASBENDER 59	6:02.39 JOE PHILLIPS 63	43.01 LOUIS ABEL 60
2:56.78 JERRY GLANCY 58	3:24.26 DAVID GIFFORD 55	6:03.54 LAWRENCE COHEN 61	100 M. BRST M E N 60-64
2:57.42 GEORGE QUIGLEY 56	3:26.41 PATRICK MADDEN 55	6:09.51 DAVID RADCLIFF 62	1:21.58 JOHN KORTHEUER 91
2:59.20 DAVID ROBINSON 56	3:32.76 TONY TASHNICK 58	6:12.34 CHARLES KOHNKEN 64	1:24.31 BOB PATTEN 62
3:01.58 BILL EARLEY 59	3:50.41 EDWARD MORGAN 56	800 M. FREE M E N 60-64	1:30.58 BOB BEST 63
3:01.92 LEE BETTIS 58	4:38.87 PHILIP IORIO 55	10:34.02 GRAHAM JOHNSTON 95	1:33.53 A. EMORY HAWORTH 60
3:03.75 MURRAY MC LACHLAN 55	200 M. I.M. M E N 55-59	11:36.41 RICHARD HANLEY 60	1:34.19 TOM KOENIG 64
3:05.97 ROLFFS PINKERTON 57	2:40.54 DRURY GALLAGHER 96	11:55.95 DAVID RADCLIFF 62	1:34.22 JOEL JACOBS 60
3:09.09 RICKY EVANS 55	2:40.54 DRURY GALLAGHER 57	11:58.40 GEORGE BRUNSTAD 61	1:38.05 SID HALL 60
3:09.42 DAVID GIFFORD 55	2:52.86 TOM WINTERS 56	12:03.83 JOHN WEISER 61	1:38.56 HARRY PIPER 61
50 M. BRST M E N 55-59	2:53.84 MEL GOLDSTEIN 57	12:06.15 ARTHUR WELCH 63	1:38.85 BILL ROUS 62
34.20 JOHN KORTHEUER 88	2:54.29 MIKE FRESHLEY 55	12:08.20 CAV CAVANAUGH 60	1:38.90 GEORGE BRUGGEMAN 60
36.12 GARDNER GREEN JR 55	2:55.48 WILLIAM TIMKEN 57	12:12.84 A. EMORY HAWORTH 60	1:38.97 NICHOLAS BERENYI 63
36.62 DRURY GALLAGHER 57	2:59.13 RICKY EVANS 55	12:17.43 BILL ROBERTSON 60	200 M. BRST M E N 60-64
37.46 WILLIAM MULLIKEN 56	3:00.25 BILL EARLEY 59	12:22.48 BILL KING 63	3:06.87 BOB PATTEN 95
37.58 JEROME YUROW 55	3:02.02 DICK PETERSON 59	12:32.53 JAMES JOHNSEN 61	3:07.99 BOB PATTEN 62
37.66 TOM WINTERS 56	3:03.24 DAVID GIFFORD 55	1500 M. FREE M E N 60-64	3:23.50 EMORY HAWORTH 60
37.90 JOHN STOVER 55	3:03.27 BEN WISCOL 56	20:04.73 GRAHAM JOHNSTON 95	3:24.41 JOEL JACOBS 60
38.61 TEGZE HARASZTI 55	400 M. I.M. M E N 55-59	23:12.82 A. EMORY HAWORTH 60	3:39.64 NICHOLAS BERENYI 63
39.81 MIKE FRESHLEY 55	5:48.82 DRURY GALLAGHER 96	23:27.97 DAVE ANDERSON 64	3:39.78 JOHN BLECK 63
39.95 LOUIS DIAMOND 56	5:48.82 DRURY GALLAGHER 57	23:32.27 BUDDY BELSHE 62	3:39.91 SID HALL 60
40.10 MILTON GEE 59	6:15.33 MEL GOLDSTEIN 57	23:44.40 JOHN WEISER 61	3:44.03 TOM KOENIG 64
100 M. BRST M E N 55-59	6:22.74 MURRAY MC LACHLAN 55	23:46.27 BARRY BARTLE 63	3:44.57 HARRY PIPER 61
1:17.87 JOHN KORTHEUER 88	6:24.14 WILLIAM TIMKEN 57	24:24.61 MIKE MILLIMAN 61	3:47.21 EDWARD FARRELL 63
1:22.46 TEGZE HARASZTI 55	6:29.69 MIKE FRESHLEY 55	24:43.07 DAVID FORTSCH 62	3:47.71 JOHN VAN HORN 64
1:23.47 JOHN STOVER 55	6:30.40 JOHN STOVER 55	25:23.93 CHARLES KOHNKEN 64	50 M. FLY M E N 60-64
1:23.88 DRURY GALLAGHER 57	6:36.76 RICKY EVANS 55	26:03.83 DICK CHISHOLM 61	31.39 WALLY DOBLER 94
1:24.50 PATRICK SCHLUP 56	6:46.52 LAWRENCE DOFFING 56	26:28.22 ROBERT BENSON 61	32.73 RICHARD HANLEY 60
1:24.61 WILLIAM MULLIKEN 56	6:51.00 WILLIAM CROWLEY 57	50 M. BACK M E N 60-64	32.93 CAV CAVANAUGH 60
1:27.90 MIKE FRESHLEY 55	6:51.51 CARL WOOLLEY 59	33.13 YOSHI OYAKAWA 94	33.16 BILL ROBERTSON 60
1:28.00 JEROME YUROW 55	*****	35.63 RICHARD HANLEY 60	33.27 RON JOHNSON 64
1:29.80 MILTON GEE 59	50 M. FREE M E N 60-64	36.02 JACK BEATTIE 61	33.29 WALLY DOBLER 62
1:30.00 DICK PETERSON 59	27.86 DONALD HILL 92	36.36 DONALD BROWN 63	33.81 A. EMORY HAWORTH 60
1:31.46 DAVID GIFFORD 55	28.75 GEORGE THAYER 60	37.38 CLARKE MITCHELL 64	34.70 HERB KERN 64
200 M. BRST M E N 55-59	28.99 CAV CAVANAUGH 60	37.54 BARR CLAYSON 61	36.05 CLARKE MITCHELL 64
2:57.21 DRURY GALLAGHER 96	29.82 RON JOHNSON 64	38.66 RON JOHNSON 64	36.25 GEORGE THAYER 60
2:57.21 DRURY GALLAGHER 57	30.00 WALLY DOBLER 62	39.10 AMAR LATHI 60	36.65 BOB BEST 63
2:58.77 TEGZE HARASZTI 55	30.61 BILL ROBERTSON 60	39.18 WALLY DOBLER 62	100 M. FLY M E N 60-64
3:06.64 WILLIAM MULLIKEN 56	31.16 JACK BEATTIE 61	39.49 ALAN RAPPERPORT 62	1:14.98 WALLY DOBLER 94
3:10.22 PATRICK SCHLUP 56	31.51 A. EMORY HAWORTH 60	40.05 STAN MCCONNELL 64	1:23.41 EMORY HAWORTH 60
3:13.78 MIKE FRESHLEY 55	31.57 JOE ILLICK 61	100 M. BACK M E N 60-64	1:27.16 CLARKE MITCHELL 64
3:16.07 DAVID GIFFORD 55	31.61 ALLAN KALB 60	1:14.72 YOSHI OYAKAWA 94	1:29.98 HERB KERN 64
3:16.13 DICK PETERSON 59	31.63 JOHN RIES 64	1:17.54 RICHARD HANLEY 60	1:31.33 AMAR LATHI 60
3:24.95 PATRICK MADDEN 55	100 M. FREE M E N 60-64	1:19.76 JACK BEATTIE 61	1:33.81 HERB ALVARADO 61
3:25.63 LAWRENCE DOFFING 56	1:02.80 DONALD HILL 92	1:24.78 CLARKE MITCHELL 64	1:34.67 DICK SLAWSON 60
3:26.30 MILTON GEE 59	1:05.25 CAV CAVANAUGH 60	1:25.81 ALAN RAPPERPORT 62	1:35.70 ROBERT NOOTBAAR 60
50 M. FLY M E N 55-59	1:05.76 BILL ROBERTSON 60	1:26.60 BARR CLAYSON 61	1:42.96 JOE ILLICK 61
29.74 ROBERT PROEBSTING94	1:09.09 JACK BEATTIE 61	1:27.20 BILL ROBERTSON 60	1:46.09 ELMER EGELKRAUT 62
29.92 RICHARD BASSI 55	1:09.22 WALLY DOBLER 62	1:27.58 STAN MCCONNELL 64	200 M. FLY M E N 60-64
31.22 CEDOMIR ZLATIC 55	1:10.16 A. EMORY HAWORTH 60	1:28.09 LARRY GOOD 62	3:00.99 JOHN MASTERS 90
31.60 DAVID GILLANDERS 56	1:10.42 JOHN RIES 64	1:30.17 GEORGE THAYER 60	3:36.06 HERB KERN 64
31.72 JAMES KRUEGER 57	1:11.35 LAWRENCE COHEN 61	1:30.31 A. EMORY HAWORTH 60	3:42.67 AMAR LATHI 60

# TOP TEN - LONG COURSE METERS

3:47.73	ELMER EGELKRAUT	62	6:03.41	ROGER CAMPBELL	66	43.43	FH TED HAARTZ	68	400 M. I.M. M E N 65-69		
3:49.10	CHARLES MAAS	62	6:07.49	WILLIAM IRWIN	68	43.50	DAN GRUENDER	66	6:08.44	GRAHAM JOHNSTON	96
3:50.16	SAM CHILTON	62	6:11.06	ROGER FRANKS	69	43.56	DONALD BAKER	65	6:08.44	GRAHAM JOHNSTON	65
3:55.28	CHARLES KOHNKEN	64	6:13.21	BOB HERITIER	68	100 M. BRST M E N 65-69			6:55.24	LEN GOLDSTONE	67
4:00.25	HERB ALVARADO	61	6:31.13	W MORGAN BYERS	68	1:26.19	JOHN KORTHEUER	96	7:02.73	WALLIE JEFFERIES	65
4:06.57	NICHOLAS BERENYI	63	6:37.32	DICK BOWER	66	1:26.19	JOHN KORTHEUER	65	7:04.21	HORACE KNOWLTON	67
4:43.37	MICHAEL VERBA	61	800 M. FREE M E N 65-69			1:32.10	RON JOHNSON	65	7:17.69	CHARLES MOSS	68
4:47.23	PICKETT SIMPSON	61	10:37.14	GRAHAM JOHNSTON	96	1:32.78	CHUCK BALDWIN	66	7:19.23	ROGER FRANKS	69
200 M. I.M. M E N 60-64			10:37.14	GRAHAM JOHNSTON	65	1:34.00	GRAHAM JOHNSTON	65	7:21.86	ROBERT KUENY	65
2:50.08	GRAHAM JOHNSTON	93	11:21.66	WALLIE JEFFRIES	65	1:36.91	THOMAS TAYLOR	65	7:25.88	WILLIAM PHILLIPS	68
2:58.05	WALLY DOBLER	62	12:01.91	WAYNE LEENGRAN	65	1:38.24	FH TED HAARTZ	68	7:36.69	GORDON GILLIN	65
3:00.58	BILL ROBERTSON	60	12:07.34	ROGER FRANKS	69	1:38.97	DAN GRUENDER	66	7:42.90	MIKE TORSNEY	66
3:00.63	A. EMORY HAWORTH	60	12:34.46	WILLIAM PHILLIPS	68	1:39.59	MORRIS MATHEWS	68	*****		
3:01.03	JACK BEATTIE	61	12:36.18	ROGER CAMPBELL	66	1:39.73	ROBERT KUENY	65	50 M. FREE M E N 70-74		
3:08.68	LARRY GOOD	62	12:39.10	ROBERT HERITIER	68	1:41.30	DONALD BAKER	65	29.35	KELLEY LEMMON	84
3:08.90	BOB BEST	63	12:42.54	WIN WILSON	69	200 M. BRST M E N 65-69			30.47	FRANK PIEMME	71
3:12.97	CLARKE MITCHELL	64	12:51.61	KENNETH KIMBALL	65	3:17.13	JOHN KORTHEUER	96	32.60	ROBERT BLAKE	71
3:13.06	DICK SLAWSON	60	13:01.39	THOMAS TAYLOR	65	3:17.13	JOHN KORTHEUER	65	33.21	PAUL HUTINGER	71
3:13.79	ALAN RAPPERPORT	62	1500 M. FREE M E N 65-69			3:27.09	GRAHAM JOHNSTON	65	33.53	JOHN FLORANCE	73
3:14.18	HERB KERN	64	20:16.54	GRAHAM JOHNSTON	96	3:33.30	THOMAS TAYLOR	65	34.02	HARRY ALBINGER	70
400 M. I.M. M E N 60-64			20:16.54	GRAHAM JOHNSTON	65	3:36.41	JOHN LENARD	65	34.23	DWIGHT BROWN	71
6:04.99	GRAHAM JOHNSTON	91	22:45.13	WAYNE LEENGRAN	65	3:37.50	FH TED HAARTZ	68	34.98	JURGEN SCHMIDT	73
7:03.76	DICK SLAWSON	60	23:00.02	ROGER FRANKS	69	3:42.83	RON JOHNSON	65	35.30	JOHN WOODS	72
7:06.43	CLARKE MITCHELL	64	23:24.36	WILLIAM PHILLIPS	68	3:44.04	DAN GRUENDER	66	35.36	PERRY ROCKWELL	71
7:07.07	JAMES JOHNSON	61	24:02.82	ROGER CAMPBELL	65	3:44.20	ROBERT KUENY	65	35.37	J JOHN REESE	71
7:12.56	HERB KERN	64	25:22.99	W MORGAN BYERS	68	3:45.27	KENNETH FLYNN	66	100 M. FREE M E N 70-74		
7:27.87	C.WEATHERBEE	63	25:43.75	FRED TRASK	68	3:45.67	MORRIS MATHEWS	68	1:10.16	FRANK PIEMME	95
7:35.95	JOHN SULZBACH	62	26:18.06	BUD SCHUMACHER	66	50 M. FLY M E N 65-69			1:10.51	FRANK PIEMME	71
7:43.02	NICHOLAS BERENYI	63	26:27.38	ROBERT KUENY	65	33.16	RONALD JOHNSON	96	1:17.59	ROBERT BLAKE	71
7:44.21	CHARLES KOHNKEN	64	26:50.65	JORDAN WOLLE	68	33.16	RONALD JOHNSON	65	1:17.98	JOHN FLORANCE	73
7:59.89	BARRY BARTLE	63	50 M. BACK M E N 65-69			33.74	JOHN KORTHEUER	65	1:20.02	JURGEN SCHMIDT	73
8:00.38	STEPHEN MULLINS	63	35.47	GEORGE GANDSEY	89	34.54	CHUCK BALDWIN	66	1:20.81	HARRY ALBINGER	70
*****			36.38	RONALD JOHNSON	65	35.86	WILLIAM IRWIN	68	1:22.58	JOHN WOODS	72
50 M. FREE M E N 65-69			38.56	GRAHAM JOHNSTON	65	36.09	GRAHAM JOHNSTON	65	1:23.52	PERRY ROCKWELL	71
29.17	PETER POWLISON	87	38.97	PETER VAN DIJK	67	36.53	CHARLES MOSS	68	1:23.55	PAUL HUTINGER	71
29.53	RONALD JOHNSON	65	39.19	HORACE KNOWLTON	67	37.49	DONALD MESSER	65	1:25.33	FRANK CAMPBELL	70
30.30	CHUCK BALDWIN	66	39.26	THOMAS SMITH	69	37.87	DICK WEBBER	67	1:26.96	GIL YOUNG	74
31.22	DONALD BAKER	65	40.32	ROBERT WEDDELL	66	38.25	THOMAS SMITH	69	200 M. FREE M E N 70-74		
31.35	WILLIAM IRWIN	68	40.82	WILLIAM PECKHAM	67	38.66	DONALD HUBBARD	69	2:38.43	FRANK PIEMME	96
31.38	WILLIAM DOLAN	67	41.46	KENNETH KIMBALL	65	100 M. FLY M E N 65-69			2:38.43	FRANK PIEMME	71
31.41	DICK WEBBER	67	41.67	PIERRE HATHAWAY	65	1:20.59	JOSEPH KURTZMAN	92	2:59.34	ROBERT BLAKE	71
31.50	GRAHAM JOHNSTON	65	41.97	DONALD BAKER	65	1:21.28	RONALD JOHNSON	65	3:05.96	JOHN FLORANCE	73
31.85	BOB CONGELLIERE	67	100 M. BACK M E N 65-69			1:29.37	LEN GOLDSTONE	67	3:07.10	JURGEN SCHMIDT	73
31.93	ROBERT HERITIER	68	1:20.74	ROGER FRANKS	92	1:29.49	JOHN MASTERS	66	3:08.04	JAMES EDWARDS	73
32.41	JOHN KORTHEUER	65	1:21.60	RONALD JOHNSON	65	1:31.82	CHARLES MOSS	68	3:11.28	LEE ARTH	71
100 M. FREE M E N 65-69			1:22.21	GRAHAM JOHNSTON	65	1:36.01	MICHAEL TORSNEY	66	3:16.78	DOUG STRONG	71
1:07.28	GRAHAM JOHNSTON	96	1:24.62	HORACE KNOWLTON	67	1:39.01	DONALD BAKER	65	3:16.81	HARRY ALBINGER	70
1:07.28	GRAHAM JOHNSTON	65	1:24.83	ROGER FRANKS	69	1:39.48	WILLIAM IRWIN	68	3:17.42	GILBERT YOUNG	74
1:08.69	RON JOHNSON	65	1:26.41	PETER VAN DIJK	67	1:42.66	ERIC GUEST	66	3:18.24	JOHN WOODS	72
1:09.45	CHUCK BALDWIN	66	1:31.21	KENNETH KIMBALL	65	1:44.44	DONALD MESSER	65	400 M. FREE M E N 70-74		
1:10.17	DONALD BAKER	65	1:31.65	ROBERT WEDDELL	66	1:45.18	WOODY GAIR	66	5:48.08	FRANK PIEMME	95
1:11.34	WILLIAM PHILLIPS	68	1:32.72	PIERRE HATHAWAY	65	200 M. FLY M E N 65-69			5:55.60	FRANK PIEMME	71
1:12.63	KENNETH KIMBALL	65	1:33.09	BERNARD KAHN	66	3:08.79	JOSEPH KURTZMAN	91	6:35.82	LEE ARTH	71
1:12.67	PETER VAN DIJK	67	1:34.98	GORDON GILLIN	65	3:22.39	LEN GOLDSTONE	67	6:47.91	JOHN JORGENSEN	71
1:13.51	WILLIAM IRWIN	68	200 M. BACK M E N 65-69			3:22.76	JOHN MASTERS	66	6:51.84	PAUL HUTINGER	71
1:14.31	FRANCIS MC AREE	66	2:55.46	ROGER FRANKS	92	3:24.74	CHARLES MOSS	68	6:52.02	ROBERT BLAKE	71
1:14.34	DICK WEBBER	67	3:02.44	GRAHAM JOHNSTON	65	3:39.93	JOHN LENARD	65	6:52.64	JAMES EDWARDS	73
200 M. FREE M E N 65-69			3:04.20	ROGER FRANKS	69	3:40.65	ROBERT KUENY	65	6:54.35	DOUG STRONG	71
2:22.18	GRAHAM JOHNSTON	96	3:10.06	HORACE KNOWLTON	67	3:46.17	MICHAEL TORSNEY	66	6:55.02	GIL YOUNG	74
2:22.18	GRAHAM JOHNSTON	65	3:16.16	PETER VAN DIJK	67	3:46.51	WILLIAM IRWIN	68	7:05.57	LOU SILVERSTEIN	70
2:30.61	PETER VAN DIJK	67	3:18.86	WALLIE JEFFERIES	65	3:57.25	GORDON GILLIN	65	7:05.95	WILLIAM BLANCHARD	73
2:38.22	WALLIE JEFFRIES	65	3:24.75	KENNETH KIMBALL	65	3:58.54	ALAN MALONEY	67	800 M. FREE M E N 70-74		
2:38.57	WILLIAM PHILLIPS	68	3:28.72	FRED BARTLETT	66	4:10.44	GENE SAPPER	66	12:03.73	FRANK PIEMME	95
2:42.15	WAYNE LEENGRAN	65	3:31.81	RON JOHNSON	65	200 M. I.M. M E N 65-69			14:04.93	JAMES EDWARDS	73
2:45.69	DONALD BAKER	65	3:34.49	PIERRE HATHAWAY	65	2:51.71	GRAHAM JOHNSTON	96	14:11.70	ROBERT BLAKE	71
2:48.32	ROGER FRANKS	69	3:36.86	HAROLD DESMIDT	67	2:51.71	GRAHAM JOHNSTON	65	14:41.55	GIL YOUNG	74
2:48.81	JOHN MASTERS	66	50 M. BRST M E N 65-69			3:05.68	RON JOHNSON	65	15:02.79	DOUG STRONG	71
2:49.37	WILLIAM IRWIN	68	38.21	JOHN KORTHEUER	96	3:08.51	CHARLES MOSS	68	15:07.60	LOU SILVERSTEIN	70
2:51.14	ROBERT HERITIER	68	38.21	JOHN KORTHEUER	65	3:14.76	HORACE KNOWLTON	67	15:07.85	ELLIOTT SCHOFIELD	73
400 M. FREE M E N 65-69			38.77	RON JOHNSON	65	3:16.75	LEN GOLDSTONE	67	15:34.80	HARRY ALBINGER	70
5:03.36	GRAHAM JOHNSTON	96	39.41	CHUCK BALDWIN	66	3:19.06	ROGER FRANKS	69	16:12.77	JACK TRUBY	71
5:03.36	GRAHAM JOHNSTON	65	40.95	RONALD ALSOBROOK	66	3:20.54	DONALD BAKER	65	16:33.56	TOM MC CALL	73
5:41.98	WALLIE JEFFERIES	65	41.01	GRAHAM JOHNSTON	65	3:21.43	JOHN LENARD	65	16:47.02	JOSEPH SELIBER	70
5:47.12	WAYNE LEENGRAN	65	41.84	THOMAS TAYLOR	65	3:24.71	GORDON GILLIN	65	1500 M. FREE M E N 70-74		
5:59.18	WILLIAM PHILLIPS	68	42.54	WILLIAM IRWIN	68	3:24.84	THOMAS SMITH	69	23:03.23	FRANK PIEMME	95

# TOP TEN - LONG COURSE METERS

26:07.72	LEE ARTH	71	4:06.28	NORMAN GARSOE	72	38.46	ROBERT MOSARD	75	1:29.52	RAY TAFT	95
26:15.69	JURGEN SCHMIDT	73	4:20.12	JOHN STERN	72	38.86	BOB MERRICK	76	1:32.18	RAY TAFT	77
27:13.53	GIL YOUNG	74	4:22.25	WILL DOLPHIN	70	39.13	C. EDWARD JOHNSON	78	1:42.02	JOHN MERRILL	79
28:06.41	LOU SILVERSTEIN	70	4:22.37	ED SIMMERS	70	40.39	WILLIAM JOHNSTON	78	1:42.84	ALDO DA ROSA	78
29:08.89	GLYNN JONES	71	4:24.12	ABRASHA BRAININ	73	100 M. FREE M E N 75-79			1:44.27	EARL WALTER	75
30:17.29	C.SCHAFFSTALL	70	4:24.17	TOM MC CALL	73	1:13.84	RAY TAFT	95	1:46.40	BOB MERRICK	76
31:00.80	TOM MC CALL	73	4:24.75	EARL WALTER	74	1:17.82	RAY TAFT	77	1:47.65	HARRY LIBER	77
31:38.02	JOSEPH SELIBER	70	50 M. FLY M E N 70-74			1:23.25	DONALD AGATE	75	1:48.91	JOHN WRENN	75
33:10.66	ANTHONY VITALE	74	33.79	FRANK PIEMME	96	1:25.72	LOUIS GIBERSON	75	1:49.65	RAYMOND HAKOMAKI	75
33:37.30	BOB DOUD	73	33.79	FRANK PIEMME	91	1:27.93	BOB MERRICK	76	1:50.34	A VANDEWEGHE	79
50 M. BACK M E N 70-74			35.33	JOSEPH KURTZMAN	70	1:29.40	ROBERT MOSARD	75	1:51.64	JOHN BRICKER	76
37.10	PAUL HUTINGER	95	38.18	PERRY ROCKWELL	71	1:30.66	LYNN SURLES	79	200 M. BACK M E N 75-79		
37.95	PAUL HUTINGER	71	38.85	MATTHEW FLANAGAN	70	1:32.29	EARL WALTER	75	3:15.00	RAY TAFT	94
39.45	FRANK CAMPBELL	70	39.72	PAUL HUTINGER	71	1:33.66	BARNET PHILLIPS	78	3:23.71	RAY TAFT	76
42.10	WILLIAM HAYNES	70	41.66	WILLIAM SELIGMANN	70	200 M. FREE M E N 75-79			3:40.78	JOHN MERRILL	79
43.30	JOHN MURPHY	71	42.16	JOHN FLORANCE	73	2:51.62	RAY TAFT	95	3:48.60	ALDO DA ROSA	78
43.53	MATTHEW FLANAGAN	70	45.53	JOHN STERN	72	3:05.60	RAY TAFT	76	3:50.21	EARL WALTER	75
43.63	JOHN WOODS	72	46.36	ALEX MC INTOSH	72	3:11.04	ALDO DA ROSA	78	3:50.90	JOHN WRENN	75
43.71	ALFRED KAPTOR	70	47.18	PIERCE BRAY	72	3:17.83	ALFRED TAIOLI	75	3:52.36	HARRY LIBER	77
44.66	DALE WEBSTER	70	100 M. FLY M E N 70-74			3:19.10	RICHARD SMITH	76	3:53.69	JOHN BRICKER	76
45.24	GEORGE BRINTON	72	1:24.84	JOSEPH KURTZMAN	96	3:21.57	BOB MERRICK	76	3:58.59	RAYMOND HAKOMAKI	75
46.32	RICHARD AVERY	73	1:24.84	JOSEPH KURTZMAN	70	3:27.05	EARL WALTER	75	4:11.35	BRION WINSHIP	78
100 M. BACK M E N 70-74			1:40.14	KEITH CARTER	71	3:29.37	DICK GUIDO	79	4:26.32	WALTER LYNCH	75
1:24.14	PAUL HUTINGER	95	1:48.34	LEE ARTH	71	3:31.82	LOUIS GIBERSON	75	50 M. BRST M E N 75-79		
1:26.72	PAUL HUTINGER	71	1:52.27	ART KELLEY	70	3:34.87	ROBERT JOHNSTON	79	43.61	BENNETT ALLEN	89
1:31.94	FRANK CAMPBELL	70	1:52.92	PERRY ROCKWELL	71	3:36.37	LYNN SURLES	79	45.24	ALDO DA ROSA	78
1:32.56	WILLIAM HAYNES	70	2:01.46	JOHN STERN	72	400 M. FREE M E N 75-79			46.72	PAUL KRUP	78
1:36.06	MATTHEW FLANAGAN	70	2:12.13	ALEX MC INTOSH	72	6:20.87	RAY TAFT	94	46.88	MAX VON ISSER	76
1:38.27	JOHN MURPHY	71	2:13.20	HOWARD STOKER	71	6:31.09	RAY TAFT	76	48.78	BOB MERRICK	76
1:41.41	GEORGE BRINTON	72	2:15.68	DOUG STRONG	71	6:50.03	ALFRED TAIOLI	75	49.12	RAYMOND HAKOMAKI	75
1:41.83	JAMES EDWARDS	73	3:27.50	VICTOR DE KALB	71	6:52.20	ALDO DA ROSA	78	53.76	BUD JACKSON	76
1:42.31	ALFRED KAPTOR	70	200 M. FLY M E N 70-74			7:07.09	RICHARD SMITH	76	54.05	WALTER LYNCH	75
1:44.47	DALE WEBSTER	70	3:26.05	JOSEPH KURTZMAN	96	7:16.28	BOB MERRICK	76	54.48	BILL UHRICH	75
1:45.80	JOHN WOODS	72	3:26.05	JOSEPH KURTZMAN	70	7:19.27	ROBERT JOHNSTON	79	54.60	MURRAY EAGER	79
200 M. BACK M E N 70-74			3:58.01	LEE ARTH	71	7:19.47	DAN MILES	75	55.59	LINTON MURDOCK	76
3:10.47	PAUL HUTINGER	95	4:09.98	KEITH CARTER	71	7:26.56	DICK GUIDO	79	100 M. BRST M E N 75-79		
3:17.70	PAUL HUTINGER	71	4:24.88	LOU SILVERSTEIN	70	7:49.28	BARNET PHILLIPS	78	1:39.62	ALDO DA ROSA	93
3:34.32	LEE ARTH	71	4:38.49	ART KELLEY	70	7:53.34	LOUIS GIBERSON	75	1:44.19	ALDO DA ROSA	78
3:37.47	LOU SILVERSTEIN	70	4:57.95	ALEX MCINTOSH	72	800 M. FREE M E N 75-79			1:47.87	MAX VON ISSER	76
3:42.18	DALE WEBSTER	70	5:20.36	DOUG STRONG	71	12:58.14	RAY TAFT	95	1:48.74	BOB MERRICK	76
3:47.11	JOHN MURPHY	71	6:10.46	JAY CHARLES	73	14:04.35	ALDO DA ROSA	78	1:51.88	RAYMOND HAKOMAKI	75
3:47.96	FRANK CAMPBELL	70	7:18.55	VICTOR DE KALB	71	14:24.91	FRED TAIOLI	75	1:53.18	PAUL KRUP	78
3:48.93	JAMES EDWARDS	73	200 M. I.M. M E N 70-74			14:30.24	RICHARD SMITH	76	1:56.27	JOHN WRENN	75
3:54.77	WILL DOLPHIN	70	3:08.99	FRANK PIEMME	96	15:26.56	DICK GUIDO	79	2:01.64	BUD JACKSON	77
3:55.41	JOHN WOODS	72	3:08.99	FRANK PIEMME	71	15:31.39	DAVID MULLIKEN	77	2:04.51	EARL WALTER	75
3:56.99	JACK TRUBY	71	3:35.40	JOHN EMANUEL	71	15:40.54	JOHN WRENN	76	2:06.06	WALLACE SAWHILL	76
50 M. BRST M E N 70-74			3:39.24	LEE ARTH	71	16:08.82	BUD JACKSON	77	2:07.02	BOB ACKER	75
40.77	BARTON GREENBERG	95	3:49.85	JOHN JORGENSEN	71	16:17.28	JOHN MERRILL	79	200 M. BRST M E N 75-79		
41.48	BARTON GREENBERG	72	3:51.71	LOU SILVERSTEIN	70	16:18.49	BARNET PHILLIPS	78	3:42.85	ALDO DA ROSA	94
41.63	JOSEPH KURTZMAN	70	3:53.03	PERRY ROCKWELL	71	16:34.16	ED LAMBERT	75	3:52.50	ALDO DA ROSA	78
43.80	MATTHEW FLANAGAN	70	4:01.65	ART KELLEY	70	1500 M. FREE M E N 75-79			4:00.73	ANTON CERER	79
45.18	J JOHN REESE	71	4:01.66	DALE WEBSTER	70	24:53.76	RAY TAFT	95	4:09.17	RAYMOND HAKOMAKI	75
46.99	TOM DOWELL	74	4:14.27	DOUG STRONG	71	26:49.29	ALDO DA ROSA	78	4:14.17	PAUL KRUP	78
47.26	PAUL HUTINGER	71	4:17.98	WILL DOLPHIN	70	27:19.60	FRED TAIOLI	75	4:18.34	JOHN WRENN	75
47.74	GEORGE MELICK	71	400 M. I.M. M E N 70-74			28:10.99	RICHARD SMITH	76	4:21.38	BUD JACKSON	77
47.99	ABRASHA BRAININ	73	6:52.07	FRANK PIEMME	95	28:22.11	ROBERT JOHNSTON	79	4:24.75	EARL WALTER	75
48.17	JOHN FLORANCE	73	7:22.77	LEE ARTH	71	29:38.43	JOHN WRENN	76	4:25.19	DAN MILES	75
48.95	JOHN STERN	72	7:59.14	LOU SILVERSTEIN	70	29:50.48	DAN MILES	75	4:39.19	KHOSROW SHADBEH	75
100 M. BRST M E N 70-74			8:26.62	KEITH CARTER	71	30:22.42	BUD JACKSON	77	4:44.53	MURRAY EAGER	79
1:33.20	BENNETT ALLEN	84	9:04.26	DOUG STRONG	71	30:40.95	JOHN MERRILL	79	50 M. FLY M E N 75-79		
1:34.07	BARTON GREENBERG	72	9:24.16	ART KELLEY	70	31:32.45	ED LAMBERT	75	37.57	RAY TAFT	94
1:36.72	FRANK PIEMME	71	9:58.09	ALEX MC INTOSH	72	31:41.09	BOB ACKER	75	41.54	RAY TAFT	77
1:42.79	JOSEPH KURTZMAN	70	10:15.90	HOWARD STOKER	71	50 M. BACK M E N 75-79			42.89	MAX VON ISSER	76
1:43.15	PAUL HUTINGER	71	12:09.15	DAN MCNEIL	73	39.49	RAY TAFT	94	44.65	LOUIS GIBERSON	75
1:43.36	MATTHEW FLANAGAN	70	12:15.50	BOB DOUD	73	40.67	RAY TAFT	76	44.76	PAUL KRUP	78
1:48.46	LEE ARTH	71	12:27.54	DAN MC NEIL	73	42.25	DONALD AGATE	75	50.16	BILL UHRICH	75
1:51.11	GEORGE MELICK	71	*****			45.23	EARL WALTER	75	50.19	WILLIAM JOHNSTON	78
1:51.27	JOHN STERN	72	50 M. FREE M E N 75-79			45.81	HARRY LIBER	77	53.37	RICHARD SMITH	76
1:52.16	NORMAN GARSOE	72	32.50	LYLE COLLET	83	46.64	RAYMOND HAKOMAKI	75	56.80	JOHN BRICKER	76
1:53.21	KEITH CARTER	71	34.74	RAY TAFT	76	46.95	JOHN MERRILL	79	57.57	WALLACE SAWHILL	76
200 M. BRST M E N 70-74			34.76	DONALD AGATE	75	47.49	BOB MERRICK	76	1:01.25	ROBERT ACKER	75
3:30.82	FRANK PIEMME	95	36.21	LOUIS GIBERSON	75	48.98	JOSEPH BRIGNOLO	75	100 M. FLY M E N 75-79		
3:34.25	BARTON GREENBERG	72	37.11	LYNN SURLES	79	50.07	JERRY SIEFERT	78	1:39.80	ANTON CERER	92
3:50.85	LEE ARTH	71	37.26	JERRY SIEFERT	78	50.08	A VANDEWEGHE	79	1:48.73	RAY TAFT	77
4:02.58	JOHN EMANUEL	71	38.29	BARNET PHILLIPS	78	100 M. BACK M E N 75-79			1:50.38	EARL WALTER	75

# TOP TEN - LONG COURSE METERS

1:52.37 ANTON CERER 79	400 M. FREE M E N 80-84	1:01.90 WILLIAM GRANT 82	1:56.15 TEX ROBERTSON 87
1:57.34 RICHARD SMITH 76	7:23.09 GUS LANGNER 83	1:05.86 JOHN JOHNSTON 80	1:56.76 JOE IRVINE 85
1:58.25 PAUL KRUP 78	7:37.81 PETE OKUMOTO 80	1:10.18 FRANK TILLOTSON 81	1:59.24 FRANK BELLAIRE 86
2:12.90 WILLIAM JOHNSTON 78	7:42.00 DEXTER WOODFORD 82	100 M. BRST M E N 80-84	2:12.64 FRANK BRASINGTON 88
2:38.70 ROBERT ACKER 75	7:48.87 JIM EUBANK 80	1:52.21 BENNETT ALLEN 94	2:14.05 CHARLIE WOOD 88
2:43.69 ROBERT STRINGHAM 77	8:23.46 HAROLD SEXTON 80	1:57.98 DON MCCULLOUGH 80	2:22.65 WILLIAM KIRAR 85
3:17.80 FRANCIS BOWDON 77	8:28.68 WOODROW BOWERSOCK 83	2:01.51 BENNETT ALLEN 82	2:24.53 ROY BODINE 85
3:20.46 JIM GREEN 75	8:40.44 MAURICE STERN 80	2:03.35 JACK MATTINGLY 82	2:26.85 RICHARD KANE 85
200 M. FLY M E N 75-79	8:49.40 JOHN JOHNSTON 80	2:03.96 JOPAUL STEINER 80	2:29.81 BOYD CAMPBELL 86
3:43.56 ANTON CERER 92	8:49.49 JIM TRIOLO 82	2:06.80 JERRY EVERALL 81	200 M. FREE M E N 85-89
4:12.40 ANTON CERER 79	8:52.44 DAVE MALBROUGH 83	2:10.73 ROBERT CHRISTIANS 80	3:48.91 GUS LANGNER 88
4:17.12 RICHARD SMITH 76	9:00.47 FRED WALBOLT 82	2:20.31 NELSON OTIS 80	4:33.11 TEX ROBERTSON 87
4:29.80 PAUL KRUP 78	800 M. FREE M E N 80-84	2:28.95 JOHN JOHNSTON 80	4:37.16 JOE IRVINE 85
5:58.41 WILLIAM JOHNSTON 78	15:45.20 DEXTER WOODFORD 94	2:31.72 WILLIAM GRANT 82	4:47.10 CHARLIE WOOD 88
6:11.35 ROBERT ACKER 75	15:46.41 PETE OKUMOTO 80	2:35.03 DEXTER WOODFORD 82	5:33.99 WILLIAM KIRAR 85
6:12.45 ROBERT STRINGHAM 77	16:40.35 DEXTER WOODFORD 82	200 M. BRST M E N 80-84	5:35.48 RICHARD KANE 85
7:46.73 JIM GREEN 75	17:23.79 JIM TRIOLO 82	4:13.56 DON MCCULLOUGH 96	5:48.98 BOYD CAMPBELL 86
200 M. I.M. M E N 75-79	17:28.07 NELSON OTIS 80	4:13.56 DON MCCULLOUGH 80	6:26.17 JOHN GLENN 85
3:24.38 RAY TAFT 94	17:35.60 HERBERT HOWE 84	4:40.49 JERRY EVERALL 81	6:38.16 DON NEEFE 87
3:31.93 RAY TAFT 76	17:57.84 JOHN JOHNSTON 80	5:11.96 DEXTER WOODFORD 82	400 M. FREE M E N 85-89
3:40.38 ALDO DA ROSA 78	18:11.12 WOODROW BOWERSOCK 83	5:19.11 JOHN JOHNSTON 80	8:14.50 GUS LANGNER 88
3:47.18 ANTON CERER 79	21:56.90 GIL SPEAR 81	6:06.61 FRANK TILLOTSON 81	9:48.83 JOE IRVINE 85
3:49.19 EARL WALTER 75	32:49.95 STACY VAN PETTEN 84	6:42.97 EDWARD SLEZAK 82	10:27.85 CHARLIE WOOD 88
3:51.27 RICHARD SMITH 76	42:32.07 LARRY HART 84	7:13.97 LARRY HART 84	12:27.23 RICHARD KANE 85
3:52.10 BOB MERRICK 76	1500 M. FREE M E N 80-84	50 M. FLY M E N 80-84	800 M. FREE M E N 85-89
3:58.47 JOHN WRENN 75	28:54.95 GUS LANGNER 83	49.28 WALTER PFEIFFER 94	17:11.21 GUS LANGNER 88
4:08.07 DAN MILES 75	31:42.18 DEXTER WOODFORD 82	51.02 ROBERT CHRISTIANS 80	20:54.05 CHARLIE WOOD 88
4:18.64 DICK GUIDO 79	33:59.63 JIM TRIOLO 82	54.32 WILLIAM GRANT 82	21:58.41 JOE IRVINE 85
4:20.40 BOB ACKER 75	34:03.67 JOHN JOHNSTON 80	56.12 DON MCCULLOUGH 80	25:21.75 RICHARD KANE 85
400 M. I.M. M E N 75-79	42:21.12 FRANK TILLOTSON 81	1:00.76 WOODROW BOWERSOCK 83	1500 M. FREE M E N 85-89
7:21.75 RAY TAFT 95	50 M. BACK M E N 80-84	1:06.14 JOHN JOHNSTON 80	33:08.42 GUS LANGNER 89
7:36.27 RAY TAFT 76	44.79 EDWARD SHEA 95	1:21.64 ALBERT FISHER 80	39:38.75 CHARLIE WOOD 88
8:16.33 ANTON CERER 79	45.09 EDWARD SHEA 81	1:35.90 EDWARD SLEZAK 82	39:57.60 JOE IRVINE 85
8:26.31 RICHARD SMITH 76	48.41 ROBERT CHRISTIANS 80	100 M. FLY M E N 80-84	50 M. BACK M E N 85-89
8:36.93 EARL WALTER 75	50.25 DAVE MALBROUGH 83	1:58.99 WALTER PFEIFFER 94	58.07 JIM PENFIELD 93
8:46.15 DAN MILES 75	54.32 CHARLES BREEDING 80	2:15.76 DON MCCULLOUGH 81	1:03.00 JIM PENFIELD 88
9:36.76 ROBERT ACKER 75	55.14 A.VANDE WEGHE 80	2:34.89 WILLIAM GRANT 82	1:03.41 JOHN GLENN 85
11:04.85 WILLIAM JOHNSTON 78	55.50 ALLAN DE LAY 81	2:40.40 JOHN JOHNSTON 80	1:06.21 LEE STARR 87
*****	57.03 FRANK TILLOTSON 81	200 M. FLY M E N 80-84	1:06.73 JOE IRVINE 85
50 M. FREE M E N 80-84	57.49 ALBERT FISHER 80	4:31.96 WALTER PFEIFFER 94	1:16.51 HAROLD PERRY 85
33.88 WOODROW BOWERSOCK 93	58.40 WILLIAM GRANT 82	4:47.45 DON MCCULLOUGH 81	1:17.60 FRANK BRASINGTON 88
35.52 WOODROW BOWERSOCK 83	1:01.39 JOPAUL STEINER 80	5:42.63 JOHN JOHNSTON 80	1:25.26 DON NEEFE 87
36.85 PETE OKUMOTO 80	100 M. BACK M E N 80-84	5:57.72 GEORGE TRAWICKI 80	1:30.31 HARRY JAGGERS 89
37.07 JIM EUBANK 80	1:41.52 EDWARD SHEA 95	6:10.80 NELSON OTIS 80	1:34.49 BOYD CAMPBELL 86
37.60 ROBERT CHRISTIANS 80	1:44.31 EDWARD SHEA 81	200 M. I.M. M E N 80-84	1:51.19 JAMES GREENWOOD 87
40.53 ALLAN DE LAY 81	1:49.60 ROBERT CHRISTIANS 80	4:01.20 ROBERT CHRISTIANS 96	100 M. BACK M E N 85-89
40.93 WILLIAM GRANT 82	1:57.10 DAVE MALBROUGH 83	4:01.20 ROBERT CHRISTIANS 80	2:07.06 JIM PENFIELD 93
43.25 A.VANDE WEGHE 80	2:01.45 CHARLES BREEDING 80	4:16.13 DON MCCULLOUGH 80	2:26.06 TEX ROBERTSON 87
43.71 CHARLES BREEDING 80	2:02.53 JIM TRIOLO 82	4:44.66 NELSON OTIS 80	2:34.51 LEE STARR 87
43.96 JOPAUL STEINER 80	2:08.71 DEXTER WOODFORD 82	4:49.57 WILLIAM GRANT 82	2:35.33 JOE IRVINE 85
44.28 DEXTER WOODFORD 82	2:09.42 FRANK TILLOTSON 81	4:49.96 JACK MATTINGLY 82	2:39.01 JOHN GLENN 85
100 M. FREE M E N 80-84	2:11.06 ALBERT FISHER 80	4:57.37 JOHN JOHNSTON 80	2:59.28 ROY BODINE 85
1:22.50 WOODROW BOWERSOCK 93	2:16.52 WILLIAM GRANT 82	5:34.70 GIL SPEAR 81	3:15.52 BOYD CAMPBELL 86
1:25.88 JIM EUBANK 81	2:22.16 WOODROW BOWERSOCK 83	400 M. I.M. M E N 80-84	3:17.61 DON NEEFE 87
1:26.31 WOODROW BOWERSOCK 83	200 M. BACK M E N 80-84	8:45.17 WALTER PFEIFFER 94	200 M. BACK M E N 85-89
1:28.25 PETE OKUMOTO 80	3:42.95 EDWARD SHEA 95	9:11.96 WALTER PFEIFFER 82	4:43.49 JIM PENFIELD 93
1:36.34 DEXTER WOODFORD 82	3:46.71 EDWARD SHEA 81	9:17.82 DON MCCULLOUGH 81	5:17.45 TEX ROBERTSON 87
1:39.80 WILLIAM GRANT 82	4:13.44 A.VANDE WEGHE 80	10:13.63 NELSON OTIS 80	5:45.42 JOE IRVINE 85
1:45.17 HARRY BARTLETT 80	4:24.54 JIM TRIOLO 82	10:38.54 JOHN JOHNSTON 80	5:53.21 ROY BODINE 85
1:45.51 MAURICE STERN 80	4:25.21 DAVE MALBROUGH 83	*****	6:30.84 JOHN GLENN 85
1:45.74 JOPAUL STEINER 80	4:31.42 FRANK TILLOTSON 81	50 M. FREE M E N 85-89	50 M. BRST M E N 85-89
1:46.61 HAROLD SEXTON 80	4:54.61 WOODROW BOWERSOCK 83	42.09 FRANK BRASINGTON 93	1:01.47 AL KALLUNKI 89
1:51.30 CHARLES BREEDING 80	4:55.71 JACK MATTINGLY 82	45.76 WILLIAM MOLLOY 86	1:03.77 JIM PENFIELD 88
200 M. FREE M E N 80-84	4:56.36 ALBERT FISHER 80	48.59 JOE IRVINE 85	1:17.63 JOHN GLENN 85
3:21.59 DEXTER WOODFORD 94	5:30.84 ROY ERLANDSON 82	49.45 FRANK BELLAIRE 86	1:43.36 RICHARD KANE 85
3:23.76 PETE OKUMOTO 80	7:29.45 STACY VAN PETTEN 84	50.65 TEX ROBERTSON 87	100 M. BRST M E N 85-89
3:27.08 WOODROW BOWERSOCK 83	50 M. BRST M E N 80-84	51.09 WILLIAM KIRAR 85	2:20.99 WILLIAM MOLLOY 95
3:30.34 JIM EUBANK 80	46.99 BENNETT ALLEN 94	51.27 FRANK BRASINGTON 88	3:06.73 ROY BODINE 85
3:33.77 DEXTER WOODFORD 82	50.89 BENNETT ALLEN 82	51.74 JOHN GLENN 85	3:29.35 JOHN GLENN 85
3:33.86 ROBERT CHRISTIANS 80	52.16 JOPAUL STEINER 80	58.31 LEE STARR 87	200 M. BRST M E N 85-89
3:56.02 HARRY BARTLETT 80	52.70 DON MCCULLOUGH 81	58.61 CHARLIE WOOD 88	4:36.86 HAROLD PERRY 96
3:57.86 JOHN JOHNSTON 80	54.39 JERRY EVERALL 81	1:03.14 RICHARD KANE 85	4:36.86 HAROLD PERRY 85
3:59.89 MAURICE STERN 80	57.43 ROBERT CHRISTIANS 80	100 M. FREE M E N 85-89	7:21.41 JOHN GLENN 85
4:05.18 HAROLD SEXTON 81	57.62 PETE OKUMOTO 80	1:43.03 GUS LANGNER 88	50 M. FLY M E N 85-89
4:17.49 JIM TRIOLO 82	59.76 ALLAN DE LAY 81	1:51.52 JESSE COON 85	58.13 JESSE COON 96

# TOP TEN - LONG COURSE METERS

58.13	JESSE COON	85	1:20.52	TOM LANE	89
1:26.07	ROY BODINE	85		NO SWIMMERS	
100 M.	FLY M E N 85-89		100 M.	FREE M E N 95-99	
2:30.73	JESSE COON	96	3:30.59	TOM LANE	92
2:30.73	JESSE COON	85		NO SWIMMERS	
3:26.66	ROY BODINE	85	50 M.	BACK M E N 95-99	
200 M.	FLY M E N 85-89		1:18.91	TOM LANE	89
6:11.68	JESSE COON	96		NO SWIMMERS	
6:11.68	JESSE COON	85	100 M.	BACK M E N 95-99	
7:48.60	ROY BODINE	85	3:19.14	TOM LANE	92
200 M.	I.M. M E N 85-89			NO SWIMMERS	
5:16.84	JESSE COON	96	50 M.	BRST M E N 95-99	
5:16.84	JESSE COON	85	2:03.52	TOM LANE	89
5:39.56	ROY BODINE	85		NO SWIMMERS	
400 M.	I.M. M E N 85-89		*****		
12:14.40	JESSE COON	96	50 M.	FREE M E N 100-104	
12:14.40	JESSE COON	85	1:40.46	TOM LANE	94
13:30.97	ROY BODINE	85		NO SWIMMERS	
*****					
50 M.	FREE M E N 90-94		4:05.98	TOM LANE	94
48.70	GUS LANGNER	93		NO SWIMMERS	
1:01.25	GUS LANGNER	93	50 M.	BACK M E N 100-104	
1:02.89	JOE KAUFMAN	90	1:50.73	TOM LANE	94
1:05.16	MAXWELL VOGT	91		NO SWIMMERS	
100 M.	FREE M E N 90-94		100 M.	BACK M E N 100-104	
1:57.91	GUS LANGNER	93	4:13.84	TOM LANE	94
2:20.32	GUS LANGNER	93		NO SWIMMERS	
2:26.17	JOE KAUFMAN	91	200 M.	BACK M E N 100-104	
2:45.99	MAXWELL VOGT	91	9:04.31	TOM LANE	94
200 M.	FREE M E N 90-94			NO SWIMMERS	
4:28.34	GUS LANGNER	93			
5:22.66	JOE KAUFMAN	91			
5:27.89	GUS LANGNER	93			
400 M.	FREE M E N 90-94				
9:44.11	GUS LANGNER	93			
11:31.07	GUS LANGNER	93			
800 M.	FREE M E N 90-94				
20:13.74	GUS LANGNER	93			
24:04.77	GUS LANGNER	93			
1500 M.	FREE M E N 90-94				
36:47.02	GUS LANGNER	93			
47:45.30	GUS LANGNER	93			
50 M.	BACK M E N 90-94				
1:10.27	AL KALLUNKI	94			
1:14.07	PETER JURCZYK	90			
1:14.42	JOE KAUFMAN	91			
1:22.19	AL KALLUNKI	91			
1:39.13	MAXWELL VOGT	91			
1:45.55	GUS LANGNER	93			
100 M.	BACK M E N 90-94				
2:40.66	PETER JURCZYK	96			
2:40.66	PETER JURCZYK	90			
2:53.94	JOE KAUFMAN	91			
3:03.98	AL KALLUNKI	91			
200 M.	BACK M E N 90-94				
5:43.96	JOE KAUFMAN	95			
5:46.55	JOE KAUFMAN	91			
5:55.98	PETER JURCZYK	90			
7:28.85	AL KALLUNKI	91			
50 M.	BRST M E N 90-94				
1:16.01	ANDREW KALLUNKI	95			
1:22.57	AL KALLUNKI	91			
1:35.31	GUS LANGNER	93			
100 M.	BRST M E N 90-94				
3:09.64	GUS LANGNER	93			
3:41.31	GUS LANGNER	93			
200 M.	BRST M E N 90-94				
6:24.54	GUS LANGNER	93			
7:44.77	GUS LANGNER	93			
200 M.	I.M. M E N 90-94				
7:08.31	PETER JURCZYK	96			
7:08.31	PETER JURCZYK	90			
7:45.33	AL KALLUNKI	91			
*****					
50 M.	FREE M E N 95-99				

# TOP TEN - LONG COURSE METERS

***** RELAYS: WOMEN 200 M. FREE *****	ROBYN GARINGER	23	FAST	2:14.88	SYLVIA GLENN	58
76 - 99	120-159		MEEGAN WILSON	47	JAN RAINS	62
R:UNIV SAN FRAN 92 1:59.29	R:LONE STAR 87 1:53.05		TERRY DYKEHOUSE	40	MICH	3:01.49
CYNTHIA HINSHAW	MONICA BURK		TRISH MARKEY	45	KATHLEEN WILHELM	52
JANET HAUER	BRIGITTE HEUER		KELLY BERGDOLL	38	JENNIFER PARKS	52
NATALIE EFFA	L. MORRISON-CASEY		SAN DIEGO SWIM	2:18.34	K.VANDENBRULLE	52
BRENDA WICKLUND	JACKI HIRSTY		BARBARA DUNBAR	47	VIRGINIA NEUMAN	52
MICH	MICH	1:53.66	GINI BAKER	45	ELMWOOD SHARKS	3:15.82
ANDREA FRUEH	SUSIE DEVLIN	29	BETSY JORDAN	59	JOAN RIZZUTO	35
MONICA BULLARD	CORRIN POPPS	31	DANIELL MORTENSEN	24	CECILE MANY	42
THERESE FRANCO	DAWN HEWITT	31	DCM	2:22.66	FRANCES SHELTON	57
BETHANY WILLISTON	DYNE BURRELL	29	BARBARA ZAREMSKI	59	ROSEMARY KARIKER	77
MICH	TOC	1:57.70	JUDY MICHEL	50		
HEATHER HERITAGE	DANIELLE OGIER	43	Laurie Robinson	39	240-279	
VICTORIA WEBBER	CORINNA SEIBT	35	TERESA MARTIN	29	R:NEW ENGLAND 94 2:25.83	
SANDRA CAROSI	CAROL BADGER	36	SPM	2:26.03	JENNIFER LUKER	
JENNIFER TURNBULL	SHARON SCOTT	24	KIM STOTT	37	DIANE REED	
	MICH	2:03.01	JAYNE LAMBKE	56	BILLIE BURRILL	
100-119	MARILYN EARLY	38	PAM GEIGER	43	CLARA WALKER	
R:OREGON 92 1:52.47	KRISTIN NELSEN	30	JILL VOORHIS	36	NEM	2:41.87
SHANNON HERINGER	JULIE ZAPPONE	31	VMST	2:27.38	PETEY SMITH	72
GRACIE GODDARD	NANCY SERVO	35	BETSY DURRANT	54	MARIAN COAKLEY	58
LEISSA MILLS	SANTA CLARA	2:03.06	NANCY MILLER	46	B.BURRILL	75
LINDA FINLEY	LISA HAZEN	31	LINDA MC COWAN	47	TRACY GRILLI	39
CHMS	LAURA VAL	44	COREY ULLMAN	20	MICH	2:56.86
GINA MARIE GATTI	ELLY FRENCH	21	LAKESIDE MASTER	2:28.71	SHIRLEY DACEY	59
DONNA JOHNSON	L FISCHER-COLBRIE	35	WENDY MEDLEY	42	M.WILLIAMS	64
JANET ZELLER	CFCC	2:04.97	A.WRIGHT-BELKNAP	45	BEVERLY MYERS	61
RHONA SWAIN	ALESIA MALLOUGH	35	JUDY ELKIN	43	SUSAN BOND	60
O*H*I*O	REBECCA DAVIS	22	MARGARET DUNCAN	34	MICH	3:04.80
LORI VIANCOURT	SUSAN HOLLAND	40	NEM	2:30.33	LOIS NOCHMAN	71
MARY UBERT	HEATHER GRADY	25	MARY PERRONI	31	FREDERICKA RAPP	52
MARIA SCHEIBER	GOST	2:06.50	BONNIE VARNEY	35	CASSANDRA GARRY	41
LAURA KESSLER	ANN GUINS	43	JOAN MC INTYRE	67	EDITH GLUSAC	77
ORLM-A	C.CORCORAN	30	NANCY THOMSON	32	IM	3:28.36
DANIELLE SIRBU	MARY LAMB	27	WILD	2:32.17	M.FIELDHOUSE	78
J.VANDERMOLEN	MARGARET BOLIVER	25	MEG SMATH	39	HANNELORE SNYDER	66
SUSAN WITTING	SPM	2:07.15	JANICE KREGOR	40	CLARA SOTAK	71
HEATHER O'BRIEN	BUSSEY-MCKEITHEN	36	TITA ARNOLD	54	JENNIFER JACOBS	27
INLAND MASTERS	CHRISTINE SWANSON	33	NANCY WILLIAMS	41	HEARTLAND SWIM	3:37.52
VIRGINIA MORETTO	PATRICIA NARDOZZI	37			NANCY REED	69
NINA PLESTICK	LISA SUMMERS	25	200-239		MARILYN RAMEY	56
KAREN ANN FELD	LAKESIDE MASTER	2:08.79	R:LOS ALTOS 94 2:08.96		ELFRIEDE LEHTO	63
DIANE MCCLURE	DEBBIE COX	41	LAURA VAL		TRISH HUNTER	62
CRAWFISH MASTER	AMY POPE	35	SUSAN ROY		O*H*I*O MASTERS	3:43.03
HELEN WALSH	MEGAN WILLMAN	26	DELLA SEHORN		DARLYNNE FERGUSON	67
ANN SPEED	BETH GROHMANN	25	CAROLYN BOAK		ANNE COEN	54
HELEN CANE	PARRIS ISLAND	2:11.50	DCM	2:13.27	RUTH WUNDERLICH	77
CLAIRE ORR	LESLIE OCHS	32	JAYNE BRUNER	62	BETTY RUSS	69
LAKESIDE MASTER	DONNA SAGAR	38	DENISE KIRWAN	44	NORTH CAROLINA	4:13.07
SUSAN AUGUSTUS	JULIE WARNER	34	BARBARA FRID	54	JUDY KELLY	71
CHERI BAUER	PAM DRAFTS	39	ANN SVANSON	50	GERRY SPEAKER	58
LINDA JAYAWERA	NMMS	2:13.99	IM	2:18.02	BARBARA RUTTER	52
SUZANNE HAWKINS	JERRI HUDSON	34	MARY POHLMANN	51	BUZ CATLIN	82
CHMS	LORI HAMPTON	35	CATHERINE QUILL	46		
MARGARET PHILLIPS	LORI SALISBURY	36	IRENE DAVID	52	280-319	
FLAVIA BERETTA	REBECCA MANTONYA	23	BETTY BENNETT	53	R:NEW ENGLAND 96 2:38.52	
JANET FITZAKERLEY			GOST	2:29.32	CLARA WALKER	
C.CARMICHAEL	160-199		CHRIS GILLIGAN	52	BILLIE BURRILL	
PARRIS ISLAND	R:D. C. MASTERS 88 2:03.48		MARGE BOWDON	73	PETEY SMITH	
F. CALDERON	JACKI HIRSTY		MARIANNE ERICKSON	44	DIANE REED	
ANNE DIPONIO	NANCY KIRKENDALL		SUSAN ROESCH	38	NEM	2:38.52
EVE MAJOR	ANN SVANSON		DCM	2:31.41	CLARA WALKER	70
DEANNA WORKMAN	SUE HARRINGTON		NANCY KIRKENDALL	53	BILLIE BURRILL	75
CRAWFISH MASTER	MICH	2:05.28	JOANN LEILICH	57	PETEY SMITH	72
LIZ HEBERT	JANET ZANN	45	KAREN HANNAM	56	DIANE REED	65
GINA LEGGIO	EVELYN LYNCH	44	CHERYL BRUNER	37	OJAI SANTA BARB	3:19.68
JOAN CHEUK	MARY PETTEE	45	SPM	2:34.90	GRACE ALTUS	72
LINDA TUCKER	ANN URSCHEL	41	FLORENCE CARR	71	ELEANOR BROWN	70
VENICE MASTERS	CAMC	2:09.89	ELAINE BROMWICH	53	RUTH FARNHAM	66
TERI ELLIS	VICTORIA OLIVER	42	SANDY STEER	57	RUTH BAAR	73
LARA FORMAN	BARBARA CALDER	43	JAYNE LAMBKE	57	O*H*I*O	3:21.61
NELL REGAN	CHERI PRICE	43	OJAI SANTA BARB	2:58.34	BETH HANKS	80
	MARYANNE KEEVER	40	MALCHIA OLSHAN	65	H.HUGGINS	74
			CAROLE BORLAND	53	LILLY KRON	64

# TOP TEN - LONG COURSE METERS

BETTY RUSS	69	SOLVEIG SULLIVAN	26	MAUREEN CHALMERS	31	GAILE HARDEN	56
WCM	3:33.80	TERESA ZURICK	30	WALNUT CREEK	2:24.17	STEPHANIE OUTCALT	31
ELFRIEDE ROGERS	68	JENNIFER RIDGE	27	PATTY LANDERS	39	JENNY WRENN	42
JEAN DURSTON	82	BECKY HELLER	32	CHARLENE O'BRIEN	39	IM	3:02.51
SALLY JOY	79	O*H*I*O	2:18.70	DEBBIE FLANSBURG	40	HANNELORE SNYDER	66
JAE HOWELL	73	LORI VIANCOURT	25	MONDY HAMWAY	36	CAROL GUSTAFSON	34
DCM	3:49.94	MARY UBERT	31	MICH	2:25.50	CHERYL KELLER	33
MARY LATHRAM	81	MARIA SCHEIBER	27	MARILYN EARLY	38	JOAN KOSIEK	41
RUTH THORSEN	76	LAURA KESSLER	36	PASCALE ASBURY	37		
MARGARET CONOMOS	46	CRESCENT HILL	2:21.58	LAURA EIBLER	32	200-239	
ANNE WALKER	80	DONNA JOHNSON	28	APRIL WYNCOTT	37	R:LOS ALTOS	92 2:28.26
SPM	3:50.18	RHONA SWAIN	22	DSMC	2:25.91	DELLA SEHORN	
JUNE REYNOLDS	74	BRIDGET NASTASI	29	JUDY TIBMA	40	CAROLYN BOAK	
KAY SCHIMPF	79	JANET ZELLER	33	MAUD ORLANDO	33	LAURA VAL	
FRANCES CICHANSKI	79	CFCC	2:25.45	BARBARA NICHOLS	39	ARLENE PROEBSTING	
FLORENCE CARR	71	REBECCA DAVIS	22	CHRIS KELLY	41	DCM	2:30.68
LAKESIDE MASTER	4:02.85	SUSAN HOLLAND	40	WH20	2:26.31	DENISE KIRWAN	44
DOROTHY RIORDAN	84	C.JOHNSTON	29	ANDREA DEVUONO	33	JOANN LEILICH	57
MEME HABICH	81	HEATHER GRADY	25	JESSICA SEATON	42	BARBARA FRID	54
CAROL FERGUSON	64	LAKESIDE MASTER	2:26.10	LISA BOVE	34	JAYNE BRUNER	62
SUE JEWELL	53	SUZANNE HAWKINS	29	STACEY FRIEDMAN	26	GOST	2:43.38
MICH	4:05.01	LINDA JAYAWEERA	29	GCMT	2:26.90	ANN GUINS	43
CLARA EARLY	72	SUSAN AUGUSTUS	29	JENNIFER BRISKER	30	BARBARA UIBLE	44
MARY CLARK	63	CHERI BAUER	28	PAM ALLEN	40	MARIANNE ERICKSON	44
LOIS NOCHMAN	71	INLAND MASTERS	2:27.05	ANDREA PALMER	36	MARGE BOWDON	73
BOBBIE LAWRENCE	76	KAREN ANN FELD	29	PAM BECK	39	SAN DIEGO SWIM	2:45.82
RMM	4:12.86	VIRGINIA MORETTO	27	160-199		BETSY JORDAN	59
FRANCES HOLMES	68	DIANE MCCLURE	35	R:LOS ALTOS	94 2:12.91	MARY GREGORIO	43
AGOTA FROHS	76	NINA PLESTICK	24	CHRIS BREEDY		BARBARA DUNBAR	47
SALLY RYCKMAN	84	VENICE MASTERS	2:27.18	SUSAN ROY		LYNNE LUND	55
PEGGY BUCHANNAN	63	NELL REGAN	26	LAURA VAL		NCMS	2:51.71
MICH	4:29.06	ROBYN GARINGER	23	CAROLYN BOAK		SANDRA CATHEY	47
GENEVIEVE MOYER	47	CECILIA HENRIKSEN	28	LAKESIDE MASTER	2:22.28	SALLY NEWELL	58
JEWEL COOKE	87	TERI ELLIS	28	MARY CURL	39	BEVERLY AMICK	42
EDITH GLUSAC	77	SANTA CLARA	2:27.56	A.WRIGHT-BELKNAP	45	SANDRA KREMER	60
MARTHA FORSTER	79	HEIDI SUSSMAN	27	AMY POPE	35	MICH	3:00.04
		CINDY HERTZER	26	DEBBIE COX	41	JENNIFER PARKS	52
320-359		SARAH KERLIN	21	MICH	2:31.10	CAROL RHUDY	53
R:COAST MASTERS	96 4:12.88	DANIELLE ROLAND	27	MARY PETTEE	45	CASSANDRA GARRY	41
MAURINE KORNFELD		ORLM	2:28.26	JANET ZANN	45	JOYCE KOWALSKI	54
MAXINE MERLINO		J.VANDERMOLEN	29	EVELYN LYNCH	44	LAKESIDE	3:06.36
MADELEINE MILLER		SUSAN WITTING	32	MARJORIE SHUER	45	LINDA HUBBUCH	51
MARTI GOGNIAT		DANIELLE SIRBU	22	DCM	2:35.75	CAROL FERGUSON	64
COAST MASTERS	4:12.88	HEATHER O'BRIEN	33	NANCY KIRKENDALL	53	SUE JEWELL	53
MAURINE KORNFELD	74			LAURIE ROBINSON	39	M.BLASKE-HULL	46
MAXINE MERLINO	84	120-159		ROSANNA SIKORA	40	SPM	3:09.02
MADELEINE MILLER	85	R:MICHIGAN	96 2:09.61	TERESA MARTIN	29	BARBARA ALLEN	62
MARTI GOGNIAT	85	DAWN HEWITT		CHINO AQUATIC	2:37.25	JACQUELYN PIPER	59
*****		CORRIN POPPS		VICTORIA OLIVER	42	JAYNE LAMBKE	56
RELAYS: WOMEN 200 M. MEDLEY		MARY MUETING		CHERI PRICE	43	SANDY STEER	57
*****		SUSIE DEVLIN		MARYANNE KEEVER	40	OJAI SANTA BARB	3:27.11
76 - 99		MICH	2:09.61	MAUREEN CORONA	37	CAROLE BORLAND	53
R:UNIV SAN FRAN	92 2:12.59	DAWN HEWITT	31	LAKE	2:38.06	JENNIFER TAM	20
CYNTHIA HINSHAW		CORRIN POPPS	31	CAROLINE DONNELLY	34	MALCHIA OLSHAN	65
JANET HAUER		MARY MUETING	31	CAROL FERGUSON	64	JAN RAINS	62
NATALIE EFFA		SUSIE DEVLIN	29	SUSAN AUGUSTUS	29	ELMWOOD SHARKS	4:06.32
BRENDA WICKLUND		WALNUT CREEK	2:14.30	DEBBIE UTZ	43	JOAN RIZZUTO	35
PARRIS ISLAND	2:48.34	PAM BOSCOVICH	33	SPM	2:39.98	CECILE MANY	42
S. PEOT-SHARP	27	KAREN DUGGAN	26	KIM STOTT	37	ROSEMARY KARIKER	77
F. CALDERON	23	CAREN MCNAMARA	36	LESLIE TREAT	47	FRANCES SHELTON	57
CARA PANIGUTTI	24	MICHELLE GHIGGERI	27	ANNE PAGE	48		
ANNE DIPONIO	24	NEM	2:21.60	PAM GEIGER	43	240-279	
		JENNIFER KENYON	23	VMST	2:44.35	R:DC MASTERS	94 2:49.96
100-119		MARY PERRONI	31	COREY ULLMAN	20	ANNA WALKER	
R:HOLMES	88 2:06.67	NANCY THOMSON	32	BETSY DURRANT	54	JAYNE BRUNER	
BETH MAUER		TRACY GRILLI	39	NANCY MILLER	46	BARBARA FRID	
DEB WALKER		IM	2:22.47	LINDA MC COWAN	47	BARBARA ZAREMSKI	
TISH BUCHER		DIANNE BARRY	38	WILD	2:54.98	NEM	3:08.59
MARY HOLMES		JANE ROBRE	38	MEG SMATH	39	PETEY SMITH	72
WCM	2:13.33	PATTY REDIG	36	TITA ARNOLD	54	MARIAN COAKLEY	58
KATHLEEN HARTNETT	24	CINDY SCHAUM	29	NANCY WILLIAMS	41	LESLIE COOPER	36
KAREN DUGGAN	26	WALNUT CREEK	2:24.11	JANICE KREGOR	40	B.BURRILL	75
DEBBIE FLANSBURG	40	CHRIS OTTATI	40	RMM	2:57.55	SPM	3:14.38
MICHELLE GHIGGERI	27	COLLEEN HAZLETT	33	YVONNE WRIGHT	43	BARBARA ALLEN	63
IM	2:16.50	KATHY WOEHRL	33			ELAINE BROWWICH	53

# TOP TEN - LONG COURSE METERS

FLORENCE CARR	71	CLARA EARLY	72	SANTA CLARA	4:34.86	GENEVIEVE MOYER	47
SANDY STEER	57	T.GUISEPPE	69	LISA HAZEN	31	280-319	
MICHIGAN MASTER	3:27.54	LOIS NOCHMAN	71	L FISCHER-COLBRIE	39	R:WALNUT CREEK	96 7:22.22
FREDERICKA RAPP	52	BOBBIE LAWRENCE	76	LAURA VAL	44	ELFRIEDE ROGERS	
LOIS NOCHMAN	71	SAN MATEO	4:44.99	THERESA HESSLER	42	JAE HOWELL	
CASSANDRA GARRY	41	ZADA TAFT	77	DSST	5:39.25	JEAN DURSTON	
EDITH GLUSAC	77	HELEN ROUMASSET	81	ANNETTE BERNIER	33	ANN HIRSCH	
DCM	3:39.64	LYNN TAFT	54	CHERRY ROBINSON	33	WALNUT CREEK	8:32.81
MARY LATHRAM	81	EDIE GOLDMAN	85	EDITH JACOBSEN	34	JEAN DURSTON	82
BARBARA ZAREMSKI	59			NANCY KEMPER	37	PAT PREVETZ	75
ANN SVANSON	50	320-359				SALLY JOY	78
LUCY BROWN	65	R:COAST MASTERS	96 4:42.96	160-199		FLORENCE LINKE	65
HEARTLAND SWIM	3:42.51	MAURINE KORNFELD		R:SAN DIEGO	93 4:37.01	SAN MATEO	9:21.67
NANCY REED	69	MARTI GOGNIAT		BETSY JORDAN		ZADA TAFT	77
ELFRIEDE LEHTO	63	MAXINE MERLINO		BARBARA DUNBAR		EDIE GOLDMAN	85
MARILYN RAMEY	56	MADELEINE MILLER		KARLY PIPES		HELEN ROUMASSET	78
CHARLOTTE COWAN	56	COAST MASTERS	4:42.96	BETH KNIGHT		LYNNE TAFT	54
RMM	4:04.82	MAURINE KORNFELD	74	CHINO AQUATIC	5:18.08		
FRANCES HOLMES	68	MARTI GOGNIAT	85	MAUREEN CORONA	37	320-359	
AGOTA FROHS	76	MAXINE MERLINO	84	CHERI PRICE	43	R:ST PETE	94 10:13.80
LOUISE WISE	53	MADELEINE MILLER	85	MARYANNE KEEVER	40	MARIAN MCKECHNIE	
PEGGY BUCHANNAN	63	MICH	6:13.22	VICTORIA OLIVER	42	FRANCES CICHANSKI	
MICH	4:05.45	RUTH HILDEBRAND	80	GOLD COAST	5:28.64	WIN KENNEDY	
SHIRLEY DACEY	59	JEWEL COOKE	87	RORIE ANDERSON	45	KAY SCHIMPF	
M.WILLIAMS	64	EDITH GLUSAC	77	DEBBIE CAVANAUGH	38	NO RELAY TEAMS	
BEVERLY MYERS	61	MARTHA FORSTER	79	B.EDELMAIER	49	*****	
ANN HARRITY	63	*****		MICHELLE BEKOFF	30	RELAYS: WOMEN 400 M. MEDLEY	
LAKESIDE MASTER	4:38.36	RELAYS: WOMEN 400 M. FREE		CMM	5:40.63	*****	
DOROTHY RIORDAN	84	*****		KAROL BROWN	39	76 - 99	
B.BANASZYSKI	49	76 - 99		SARA SACHS	50	R:SACRAMENTO	92 5:07.42
WENDY MEDLEY	42	R:SANTA CLARA	95 4:31.84	CHRIS GILLIGAN	52	MINDY WRIGHT	
MEME HABICH	81	JO MILLARD		DEVIN ADLER	35	LISA CHRISTO	
NORTH CAROLINA	4:40.87	ANNE WATKINS		GOLD COAST	7:01.94	SUE LOWREI	
SANDRA KREMER	60	LAURA VIALE		MARGARET CHARLTON	53	DONNA NICHOLAS	
GERRY SPEAKER	58	KATHRIN LAMMERS		SUSAN LUDWIG	38	NO RELAY TEAMS	
JUDY KELLY	70	NO RELAY TEAMS		BONNIE BENSON	48		
BUZ CATLIN	81			LIL HANEMAN	41		
		100-119		OJAI SANTA BARB	7:40.83	100-119	
280-319		R:DAVIS AQUATIC	92 4:27.84	KITTY JOHNSTON	53	R:WALNUT CREEK	92 4:55.59
R:HOLMES LUMBER	94 3:35.94	C.CHICHESTER		SANDY EISNAUGLE	43	PAM BOSCOVICH	
GERTRUD ZINT		MELISSA BEATY		JEANNE MUNESATO	46	LISA TALLMAN	
JOAN GLARATON		KIM MCCORD		CAROLE BORLAND	52	DEBBIE FLANSBURG	
FLORENCE CARR		JENNIFER NORRIS				WENDY INGRAHAM	
VICKEE SULLIVAN		WALNUT CREEK	4:29.55	200-239		INLAND MASTERS	5:34.10
O*H*I*O	3:50.62	PENNY LEACH	33	R:RINCONADA	94 5:23.97	KAREN ANN FELD	29
BETH HANKS	80	KATHY WOERHLE	33	MARIANNE BREMS		VIRGINIA MORETTO	27
LILLY KRON	64	KAREN DUGGAN	26	ANN KAY		NINA PLESTICK	24
BETTY RUSS	69	MICHELLE GHIGGERI	27	BARBARA CALLISON		DIANE MCCLURE	35
SYLVIA HILL	74	WALNUT CREEK	4:42.20	SUE KELLY		DCAC	5:38.73
NIAG	3:51.43	ANNE OBERG	25	OJAI SANTA BARB	6:59.32	LEEANN MCNERNEY	31
NANCY SCHOEPERLE	71	JENNIFER GRAY	24	JAN RAINS	62	SHEILA WALSH	25
IRENE D'AGOSTINO	69	COLLEEN HAZLETT	33	KITTY JOHNSTON	54	BETHANY WILLISTON	24
BETTY DUNN	71	KATHLEEN HARTNET	24	CAROLE BORLAND	53	MARCIA CUSHING	32
SUE MARVEL	76	INLAND MASTERS	4:52.92	MALCHIA OLSHAN	65		
WALNUT CREEK	3:53.61	KAREN ANN FELD	29	HEARTLAND SWIM	8:10.62	120-159	
PAT PREVETZ	75	DIANE MCCLURE	35	TINA DANIELS	39	R:WALNUT CREEK	91 5:00.94
JAE HOWELL	72	VIRGINIA MORETTO	27	NANCY REED	69	PAM BOSCOVICH	
ELFRIEDE ROGERS	68	NINA PLESTICK	24	ELFRIEDE LEHTO	63	WENDY INGRAHAM	
ANN HIRSCH	65	DAVIS AQUATIC	4:58.46	TRISH HUNTER	62	DEBBIE FLANSBURG	
OJAI SANTA BARB	3:57.53	ANIETTA TICE	35			CATHY COOLEY	
RUTH FARNHAM	66	ANDREA KIRSH	32	240-279		SANTA CLARA	5:23.03
ELEANOR BROWN	70	CHRISSE SCHULTZ	25	R:WALNUT CREEK	92 6:15.17	L FISCHER-COLBRIE	36
GRACE ALTUS	72	TERESA KONIECZNY	24	BETTY BARABASH		ALISON BENKE	24
RUTH BAAR	73			JOAN ALEXANDER		LAURA VAL	44
SPM	4:00.26	120-159		ANN PISCIOTTA		LISA HAZEN	31
FRANCES CICHANSKI	79	R:STANFORD	94 4:17.94	BARBARA JORDAN		WH20	5:37.16
DORIS PROKOPI	60	MARTIE MCKINNEY		WALNUT CREEK	7:18.93	ANDREA DEVUONO	33
JUNE REYNOLDS	74	C CHICHESTER		CHRIS OTTATI	40	JESSICA SEATON	42
FLORENCE CARR	71	DANIELLE OGIER		JEAN DUNCAN	63	LISA BOVE	34
WALNUT CREEK	4:11.05	KANA SHIBUYA		JAE HOWELL	72	STACEY FRIEDMAN	26
JEAN DURSTON	82	WALNUT CREEK	4:31.67	ELFRIEDE ROGERS	68	GOLD COAST	6:14.53
SALLY JOY	78	CAREN MCNAMARA	36	MICH	8:42.58	RACHEL TABACK	19
FLORENCE LINKE	65	PAM BOSCOVICH	33	K. VANDENBRULLE	52	BARBARA ALAVI	44
JEAN DUNCAN	63	MAUREEN CHALMERS	31	LOIS NOCHMAN	71	MICHELLE BEKOFF	30
MICH	4:23.73	CHARLENE O'BRIEN	39	EDITH GLUSAC	77	RORIE ANDERSON	45



# TOP TEN - LONG COURSE METERS

160-199		100-119		MARLEE VALDERHAUG	54	BRADLEY SCHMIED	24
R:SAN DIEGO	89 5:24.49	R:WALNUT CREEK	89 9:50.91	SPM	16:23.82	ABRAHAM SOLANO	26
BETSY JORDAN		CAROL LEE-HELTZEL		JUNE REYNOLDS	74	CHSM	1:50.20
SUSIE LEIPER		CATHEY COOLEY		SANDY STEER	56	DOUG MURPHY	24
BARBARA DUNBAR		DEBBIE FLANSBURG		BARBARA ALLEN	62	TODD SAVAGE	29
MARILYN FINK		AMY REIGER		JACQUELYN PIPER	59	JEFFREY HASELTINE	26
NORTH CAROLINA	5:52.19	NO RELAY TEAMS		MICH	18:51.23	DAN FERGUSON	29
SANDRA CATHEY	47	120-159		GENEVIEVE MOYER	47	DCAC	1:51.35
SALLY NEWELL	58	R:SAN DIEGO	90 9:48.97	FREDERICKA RAPP	52	MICHAEL BRAY	28
BEVERLY AMICK	42	RHONDA HRONESH		LOIS NOCHMAN	71	ROBERT WASILOWSKI	30
FRANCES SHEPHERD	47	CATHY NEVILLE		EDITH GLUSAC	77	ERIC LIEBERMAN	27
CHINO AQUATIC	6:16.20	BETH KNIGHT		280-319		BRUCE BORNFLETH	28
CHERI PRICE	43	BARBARA DUNBAR		R:WALNUT CREEK	92 16:17.09	GCMT	1:52.45
VICTORIA OLIVER	42	HEARTLAND SWIM	13:04.98	JEAN DURSTON		DENNIS FISHER	37
MARYANNE KEEVER	40	VICKI WEBSTER	34	MARY JANE REEVES		JOSH GORDON	23
BARBARA BARNETT	35	KAREN SIMPSON	36	JAE HOWELL		DENNIS HOGAN	29
HEARTLAND SWIM	7:37.50	AILEEN BARR	39	DONNA MONROE		ROBERT BROWN	25
AILEEN BARR	39	CHRISTE KUNCZINAM	31	WALNUT CREEK	17:59.60	MICH	1:52.49
TINA DANIELS	39	160-199		SALLY JOY	79	THOMAS SCHARDT	28
CHRISTE KUNCZINAM	31	R:SAN DIEGO	91 10:33.64	JEAN DURSTON	81	ROGER HARPER	30
CHARLOTTE COWAN	56	BETSY JORDAN		JAE HOWELL	73	JEFF MC CARTY	29
GOLD COAST	8:18.89	BARBARA DUNBAR		ELFRIEDE ROGERS	68	DONALD SWALWELL	30
BONNIE BENSON	48	MARILYN FINK		320-359		TSUN	1:54.77
MARGARET CHARLTON	53	BETH KNIGHT		R:ST PETE	94 22:37.07	MARK MYERS	31
SUSAN LUDWIG	38	GOLD COAST	11:34.69	MARIAN MCKECHNIE		DALE ZINK	33
JUDY BONNING	43	DEBBIE CAVANAUGH	38	FRANCES CICHANSKI		KEVIN WILLIAMS	26
200-239		MICHELLE BEKOFF	30	WIN KENNEDY		DUNCAN ROBERTSON	28
R:D C MASTERS	91 5:48.73	B.EDELMAIER	49	KAY SCHIMPF		LAKESIDE MASTER	2:00.95
BARBARA FRID		RORIE ANDERSON	45	NO RELAY TEAMS		MICHAEL O'TOOLE	21
JOANN LEILICH		LAKESIDE MASTER	11:39.66	*****		DANA DELSIGNORE	27
ANN SVANSON		DEBBIE UTZ	43	RELAYS: M E N 200 M. FREE		DANIEL JONES	35
JAYNE BRUNNER		A.WRIGHT-BELKNAP	45	*****		JOHN GLEASON JR	36
OJAI SANTA BARB	7:55.69	AMY PETERSON	38	76 - 99		DCAC	2:01.76
SYLVIA GLENN	58	AMY POPE	35	R:OLYMPIC CLUB	93 1:41.14	CURTIS HINE	28
KITTY JOHNSTON	54	CMM	12:24.44	GARY ANTONICK		ANDREW VELTHAUS	28
MALCHIA OLSHAN	65	KAROL BROWN	39	ERIC TARBELL		SHANE PERRU	26
JAN RAINS	62	CHRIS GILLIGAN	52	STEPHEN GOTH		BRYAN KUNDRATH	24
HEARTLAND SWIM	8:53.94	DEVIN ADLER	35	JIM MURRAY		120-159	
MARLEE VALDERHAUG	54	SUSAN BURNS	41	CRESCENT HILL	1:48.46	R:LONE STAR	86 1:37.43
ELFRIEDE LEHTO	63	LAKESIDE MASTER	12:35.13	WILLIAM POLK	27	DAVID HAGUE	
KAREN SIMPSON	36	DEBBIE COX	41	PAUL WIDMAN	23	TRIP HEDRICK	
TRISH HUNTER	62	JUDITH ELKIN	43	BRAD SCHMIED	24	BUCK SMITH	
240-279		M.BLASKE-HULL	46	JEFFREY FELTZER	25	JIM MONTGOMERY	
R:WALNUT CREEK	92 6:50.38	WENDY MEDLEY	42	MICH	1:50.65	IM	1:40.65
BARBARA JORDAN		GOLD COAST	15:02.26	HERB HENEMAN	25	TED SOLTYS	36
ANN PISCIOTTA		MARGARET CHARLTON	53	MICHAEL BELL	27	THOMAS REDIG	35
JOAN ALEXANDER		SUSAN LUDWIG	38	ERIC TROESCH	23	THOMAS MC CABE	38
BETTY BARABASH		BONNIE BENSON	48	ERIK SCOLLON	24	ROBERT YOUNG	31
NO RELAY TEAMS		BARBARA ALAVI	44	TNYA	1:53.61	MICH	1:42.77
280-319		200-239		JAMES RUGGIERO	23	ERIC NORDLUND	32
R:WALNUT CREEK	93 8:32.38	R:TAMALPAIS	95 11:24.23	DAKE GONZALEZ	24	KURT DICKSON	29
PAT PREVETZ		R.BRITTINGHAM		STEPHEN LARKIN	25	MARK VANDER MEY	30
JAE HOWELL		CHARLOTTE JENKINS		ALEXANDER HALL	24	JUAN TAVARES	35
ANN PISCIOTTA		SPERRY RADEMAKER		100-119		IM	1:44.23
MARY JANE REEVES		NANCY RIDOUT		R:HOUSTONIAN CLUB90	1:36.15	STEVE BOONE	37
WALNUT CREEK	8:37.53	NO RELAY TEAMS		JAMES PRUNGLE		DAVID GIBSON	36
JAE HOWELL	73	240-279		STUART KNOWLES		ANDREAS SEIBT	38
SALLY JOY	79	R:WALNUT CREEK	92 13:28.86	JEFF FREY		KARL STEINKE	22
ELFRIEDE ROGERS	68	BETTY BARABASH		JOHN SMITH		SANTA CLARA	1:44.76
ANN HIRSCH	65	JOAN ALEXANDER		TNYA	1:45.42	KEVIN KOSTKELLA	24
*****		ANN PISCIOTTA		JOHN CHAPKO	28	B LICHTENWALTER	29
RELAYS: WOMEN 800 M. FREE		BARBARA JORDAN		JACK MACKENROTH	26	MICHAEL MOORE	32
*****		OJAI SANTA BARB	14:47.28	MATTHEW BETMALECK	28	LARRY TAGGESELL	43
76 - 99		JAN RAINS	62	SCOTT EWALT	30	GOST	1:47.03
R:DAVIS	92 10:56.32	RUTH FARNHAM	66	MICH	1:45.43	TERRY SUTTON	43
CHRIS WINN		KITTY JOHNSTON	54	TODD MERCER	29	SHANNON WELCH	25
JENNIFER BLAKE		MALCHIA OLSHAN	65	BOB JENNINGS	30	TODD RADEL	23
JENNIFER NORRIS		HEARTLAND SWIM	15:54.42	KIP MERCER	30	JOE REINHARDT	35
TINA WALLIS		MARILYN RAMEY	56	SEAN HICKMAN	29	LAKE	1:47.65
NO RELAY TEAMS		NANCY REED	69	CHMS	1:46.45	DALE MERCKER	29
		ELFRIEDE LEHTO	63	JEFF FELTZER	25	RUSSELL WILLIAM	36
				WILLIAM POLK	27	CHUCK LAMBERT	39
						JOHN NOLAN	47
						CRESCENT HILL	1:47.70

# TOP TEN - LONG COURSE METERS

JEFFREY HOGG	31	FREDERICK EHMKE	41	SMMM	2:04.12	CHARLES BELKNAP	71
MICHAEL LEMKE	39			DONALD GALINE	50	WILLIAM CLEMONS	67
MICHAEL NEAL	32	200-239		GARY BRENNER	48		
JOHN VORRHEES	37	R:OLYMPIC CLUB	94	ROGER CAMPBELL	66	320-359	
CRAWFISH MASTER	1:47.77	MICHAEL GARIBALDI		RAYMOND TAFT	77	R:COAST MASTERS	96
ADAM WERTH	26	ROBERT STRAND		GOST	2:07.43	LOUIS GIBERSON	
WADE RIDDICK	27	RICHARD BASSI		JOHN MEDICI	58	WOODROW BOWERSOCK	
STEVEN HECK	46	JAMES ELDER		JOHN FLORANCE	73	WALTER PFEIFFER	
RICHARD HARTMAN	41	TOC	1:48.49	SID HALL	60	ROBERT CHRISTIANS	
WH20	1:48.30	ROBERT STRAND	50	ORRIN NORDSTORM	55	COAST MASTERS	2:35.13
JAMES BALLARD	38	TIM BIRNIE	50	ORLM	2:09.10	LOUIS GIBERSON	75
GARY QUINN	37	RICHARD BASSI	55	JACK BEATTIE	61	WOODROW BOWERSOCK	83
PHILIP HAYMAN	33	BILL BARTHOLD	47	JERRY GLANCY	58	WALTER PFEIFFER	82
MIKE MEIR	37	O*H*I*O	1:50.43	C.WEATHERBEE	63	ROBERT CHRISTIANS	80
SAN DIEGO SWIM	1:48.88	DAVE QUIGGIN	51	GEORGE MANN	58	TXAM	3:04.68
NED MAGGIORA	41	DAN PER-LEE	52	NEM	2:14.30	FRANK CAMPBELL	70
JAMES BOSWELL	35	ROBERT SINSHEIMER	47	LARRY DUNHAM	58	BENNETT ALLEN	82
COLIN CHINN	38	HARRY GREENFIELD	51	FH TED HAARTZ	68	JESSE COON	85
STEPHEN SEGRETO	33	DCM	1:57.02	JAMES EDWARDS	73	JOE IRVINE	85
		LONNY HARRISON	47	WILLIAM ARMSTRONG	45	SPM	3:35.91
160-199		WILLIAM HERZER	49	ST PETE MASTERS	2:16.58	JOHN JOHNSTON	80
R:HOLMES	90	ROBERT CASEY	51	THOMAS SMITH	69	FRANK TILLOTSON	81
JAMES DILLEY		LAWRENCE COHEN	61	MICHAEL TORSNEY	66	FRED WALBOLT	83
C. MILTENBERGER		LAKE	2:01.30	HAROLD FERRIS	65	KERMIT HOTVEDT	81
RICHARD ABRAHAMS		GLENN HUBBUCH	51	SAM HALL	59	*****	
TIMOTHY GARTON		THOMAS FINNEGAN	50	MICH	2:21.58	RELAYS: M E N 200 M. MEDLEY	
IM	1:45.19	JAMES GOODWIN	49	ROBERT WEDDELL	66	*****	
JOHN MARTIN	40	LARRY KEATON	53	MAURICE KARRIGER	64	76 - 99	
JOSEPH MAGIERA	39	MICH	2:01.89	ALBERT MORLEY	58	R:OLYMPIC CLUB	95
DAVID TOLER	41	WILLIAM REID	46	BRIAN WHALEN	56	MIKE COLLEY	
TIMOTHY ROURKE	41	STEPHEN CHAMBERS	56	CRAWFISH MASTER	2:25.72	JAMIE PATRICK	
TOC	1:46.68	ELMER EGELKRAUT	62	CLARKE MITCHELL	64	BRAD BUDNEY	
JAMIE PATRICK	25	RICHARD CARVETH	44	CYRIL LANDRY	69	GREG LARSON	
JAMES KRUEGER	57	MICH	2:03.14	PETER PLEUNE	61	MICH	2:03.31
JAMES BEGLINGER	50	JAY RYNO	49	DONALD DICKERSON	56	ERIK SCOLLON	24
MIKE KECK	36	RONALD POHLONSKI	52	TEAM GREENVILLE	2:28.13	MICHAEL HEYD	19
MICH	1:47.17	DENNIS MCMANUS	48	BILL ROBERTSON	60	ERIC TROESCH	23
KEVIN HARRIS	37	DONALD KROEGER	52	SAM KNOWLTON	62	MARK DUNN	25
JOHN HAUSCHULZ	43	CRESCENT HILL	2:04.62	ALBERT TYSON	68	DAVIS AQUATIC	2:04.97
LAWRENCE DAY	45	JOHN GRAHAM	50	WILFRED LYON	52	MIHAI NEGOESCU	24
MARK HESSKAMP	36	KEITH MEIKLEREID	51			BILL WEBER	24
GOLD	1:47.45	DAN BEHR	51	280-319		JOHN MILLS	25
MARTY HENDRICK	38	E. NORMAN SCOTT	51	R:LAM	92	BRANDON CARTER	25
JONATHAN OLSEN	33	NMMS	2:07.87	JOHN RICHARDS		TNYA	2:05.02
CRAIG BURNS	43	HANK MILLER	55	JAY CRADDOCK		JAMES RUGGIERO	23
MICHAEL KOONIN	46	JOSEPH TESMER	56	JACK MCCANN		PAUL DEBENEDITTIS	29
NCMS	1:47.90	LARRY WINTER	48	HUGH RICHARDS		DAKE GONZALEZ	24
JERRY CLARK	58	DAVID DODGE	50	O*H*I*O	2:30.61	LAIRD ADAMSON	23
JOSEPH RHYNE	37	LAKESIDE MASTER	2:08.50	PETER VAN DIJK	67		
GRANT JOHNSTON	23	THOMAS FINNEGAN	50	PIETER CATH	66	100-119	
RICHARD BOBER	45	THOMAS GRANT	45	JOHN DAILY	68	R:HOUSTONION CLUB	90
DCAC	1:48.02	GLENN HUBBUCH	51	DEXTER WOODFORD	82	CLAY BRITT	
JOSI CUNNINGHAM	39	MARTY O'TOOLE	56	SAN MATEO	2:33.24	DEAN PUTTERMAN	
BRUCE SCHOPP	45	MICH	2:10.45	FRED TAIOLI	75	ROBERT KILLEEN	
JACK MARKEY	42	ALAN SZYDLIK	51	ROGER CAMPBELL	65	JAMES PRINGLE	
G.HEUCHLING	36	DENNIS MANRIQUE	50	DON STUPFEL	65	MICH	1:56.27
MICH	1:48.61	JAMES COLEMAN	52	RAY TAFT	76	KURT DICKSON	29
ROBERT FORT	38	THOMAS MOYER	48	SPM	2:57.38	MARK VANDER MEY	30
PAUL GRIFFITH	38			JOHN COX	61	JEFF DAKIN	33
RICHARD CHANEY	46	240-279		ABRASHA BRAININ	73	MICHAEL BELL	27
DAVID SHEPHERD	40	R:GOST	92	FRANK TILLOTSON	81	DCAC	1:56.28
TXAM	1:50.28	THOMAS OLANDER		HAROLD FERRIS	65	DOUG FADEL	26
JAMIE BAIRD	41	SID HALL		SPM	2:58.75	ROBERT HUDSON	19
KEITH BELL	48	KEITH CARTER		RICHARD AVERY	73	THOMAS AUGSPURGER	28
LARRY WOOD	42	JOHN FLORANCE		ROBERT PATTON	74	NEILL WILLIAMS	27
W.RANSOM-NELSON	43	SAN DIEGO SWIM	1:58.99	BILL UHRICH	76	WALNUT CREEK	1:57.50
LAKESIDE MASTER	1:53.11	BILL EARLEY	60	ROBERT ATWOOD	76	TODD HALVORSON	27
WILLIAM TINGLEY	46	DONALD BAKER	65	JMST	3:15.83	JOHN SCHWENGER	31
JOHN NOLAN	47	KENNETH KIMBALL	65	AMAR LATHI	60	JEFF ROGERS	28
CHRIS BURCKLE	39	MIKE FRESHLEY	55	MAXWELL VOGT	91	STEVE STAHL	31
CHARLES MIESNER	41	NCMS	2:01.12	LOUIS ABEL	60	MICH	1:58.54
ORLM	1:53.26	ROLFFS PINKERTON	57	ALEX MC INTOSH	72	TODD MERCER	29
RICK SCRAY	42	JOHN KORTHEUER	65	MICH	3:38.90	BOB JENNINGS	30
THOMAS MCDONALD	39	DICK WEBBER	67	JOHN ALT	71	KIP MERCER	30
LAWRENCE PECK	42	JERRY CLARK	58	J JOHN REESE	71	SEAN HICKMAN	29

# TOP TEN - LONG COURSE METERS

CHMS	1:59.77	JOHN CIGLER	36	JAMES ELDER		DON BROWN	63
BRADLEY SCHMIED	24	BRIAN CAHILL	31	TOC	2:00.98	BILL PECKHAM	68
ABRAHAM SOLANO	26	GCMT	2:04.10	TIM BIRNIE	50	PAUL JEFFERS	50
MICHAEL NEAL	32	MICHAEL STICKNEY	40	ROBERT STRAND	50	SMMM	2:28.86
WILLIAM POLK	27	NORMAN BRISKER	32	RICHARD BASSI	55	RAYMOND TAFT	77
TNYA	2:00.02	DENNIS FISHER	37	BILL BARTHOLD	47	DICK PETERSON	59
DAVID ARBUTHNOT	32	JIM CALLAHAN	38	O*H*I*O	2:07.80	DONALD GALINE	50
JACK MACKENROTH	26	LAKESIDE MASTER	2:04.58	ROBERT SINSHEIMER	47	ROGER CAMPBELL	66
IZHAR HARPAZ	27	JOHN GLEASON JR	36	DAN PER-LEE	52	NEM	2:36.86
EAMONN FOLEY	33	CHRIS BURCKLE	39	HARRY GREENFIELD	51	WILLIAM ARMSTRONG	45
DCAC	2:01.98	SAM BLYTHE	36	DAVE QUIGGIN	51	FH TED HAARTZ	68
GARY ARMSTRONG	24	RUSSELL WILLIAMS	36	MICH	2:15.90	LARRY DUNHAM	58
GLENN MLAKER	28			JAY RYNO	49	JAMES EDWARDS	73
BRUCE BORNFLETH	28	160-199		JAY MAHLER	49	MICH	2:42.54
MICHAEL BRAY	28	R:BAYLOR/L STAR 94	1:53.79	WILLIAM BROWN	50	ROBERT WEDDELL	66
CFCC	2:02.07	MEL NASH		PAUL CHAFFEE	53	BRIAN WHALEN	56
JOSE MAHER	25	BARRY HAMILTON		CHMS	2:16.27	ELMER EGELKRAUT	62
WEILING LI	32	TRIPP HEDRICK		DANIEL BEHR	51	DENNIS JAMES	58
J.ARMSTRONG	21	DAVID HAGUE		GEORGE DODGE	51	CRAWFISH MASTER	2:43.04
BRIAN BRISBIN	30	MICH	2:01.22	JOHN GRAHAM	50	ELVIN CHOONG	63
TSUN	2:02.62	FRANK THOMPSON	44	E NORMAN SCOTT	51	JOEL JACOBS	60
TODD HILL	32	GREG BRANNICK	40	C177	2:19.31	CLARKE MITCHELL	64
KEVIN WILLIAMS	26	LAWRENCE DAY	45	ROGER FRANKS	69	DONALD DICKERSON	56
CHRIS RESLER	27	BRIAN SHARAR	35	PETER GRABER	42		
DALE ZINK	33	GOLD	2:03.13	JOHN CULHANE	40	280-319	
WILD	2:07.99	MARTY HENDRICK	38	DAVID HARRISON	58	R:OREGON 92	2:34.57
MATTHEW PAINTER	37	JONATHAN OLSEN	33	MICH	2:21.23	FLOYD ELIOTT	
KEITH RAKER	26	CRAIG BURNS	43	STEPHEN CHAMBERS	56	BOB MORRISON	
CHAD RIEGLE	21	MICHAEL KOONIN	46	DENNIS MANRIQUE	50	ANDREW HOLDEN	
C.RUSHMAN	25	NCMS	2:03.19	DENNIS MCMANUS	48	GERALD HUESTIS	
		RICHARD BOBER	45	WILLIAM REID	46	O*H*I*O	2:50.88
120-159		GRANT JOHNSTON	23	DAVIS AQUATIC	2:22.45	PETER VAN DIJK	67
R:BAYLOR/L STAR 93	1:50.89	HILL CARROW	41	RON DEGLER	58	PAUL KRUP	78
JAY YARID		JERRY CLARK	58	EMORY HAWORTH	60	PIERCE BRAY	72
BERRY HAMILTON		LAKE	2:03.21	SCOTT HARRIS	42	JOHN DAILY	68
BOBBY PATTEN		WILLIAM TINGLEY	46	JACK MILLS	49	OJAI SANTA BARB	3:01.75
STEVEN REED		DALE MERCKER	29	DCM	2:22.98	JOHN STERN	72
IM	1:54.21	CHARLES MIESNER	41	LAWRENCE COHEN	61	ROBERT MAY	62
DAVID GIBSON	36	JOHN NOLAN	47	WILLIAM HERZER	49	FRANK PIEMME	71
STEVE BOONE	37	LAPS	2:05.73	TOM MOTHERAL	48	THOMAS KRUMM	75
THOMAS REDIG	35	MICHAEL HAMM	39	ROBERT CASEY	51	MICH	3:09.27
ROBERT YOUNG	31	VICTOR WAGONER	40	C177	2:24.55	DON KORTEN	69
WH20	1:56.60	STEVEN VAN NORT	45	WARREN FISHER	40	DONALD MAY	75
JIM RHYNE	30	DAVID BARTHOLOMEW	37	JOHN ROEMIG	46	CHARLES MOSS	68
MIKE THOMSON	26	CRAWFISH MASTER	2:07.13	DANIEL ALLEN	34	ROBERT HERITIER	68
JAMES BALLARD	38	STEVEN HECK	46	CHARLES BREEDING	80	O*H*I*O	3:16.00
KURT SMITH	34	ADAM WERTH	26	WALNUT CREEK	2:24.60	GORDON DEMEESTER	53
IM	1:57.84	PAUL HEBERT	50	MIKE MILLIMAN	61	PIETER CATH	66
ANDREAS SEIBT	38	RICHARD HARTMAN	41	DON DAVIS	51	NELSON OTIS	80
DAVID ACKERMANN	30	MICH	2:07.80	TOM HENDREY	44	DEXTER WOODFORD	82
TED SOLTYS	36	JOHN HAUSCHULZ	43	STEVE PURYEAR	47	SAN MATEO	3:21.23
THOMAS MC CABE	38	PAUL WRIGHT	41			DON STUPFEL	68
NEM	1:59.30	WESLEY LUTZ	42	240-279		ROGER CAMPBELL	65
ROBERT BERRY	28	MARK HESSKAMP	36	R:BUCKEYE 94	2:17.59	RAY TAFT	76
S.VANKUILENBURG	31	ORLM	2:08.57	YOSHI OYAKOWA		LLOYD WALKER	79
KARL KOLB	35	RICK SCRAY	42	JOHN MEDICI		GOST	3:22.60
PETER HICKMAN	33	THOMAS MCDONALD	39	THOMAS OLANDER		EDWARD HABAN	71
DCAC	1:59.92	FREDERICK EHMKE	41	JOHN FLORANCE		JOHN FLORANCE	73
DAVID GREER	30	L.MEISENHEIMER	38	SAN DIEGO SWIM	2:20.79	DICK CHISHOLM	61
TIM MACDONALD	31	MICH	2:08.87	BILL EARLEY	60	JIM GREEN	75
DEAN DELIBERTIS	32	RICHARD CHANEY	46	MIKE FRESHLEY	55	MICH	3:27.71
JOSI CUNNINGHAM	39	STEVE HANSEN	44	DONALD BAKER	65	JOHN ALT	71
GRIN	2:02.54	LAWRENCE KIMBALL	46	KENNETH KIMBALL	65	J JOHN REESE	71
JORDAN HATCH	39	LEONARD BROCKHAHM	46	NCMS	2:21.29	BOB DOUD	73
DEWEY WYATT	32	SAC	2:09.61	ROLFFS PINKERTON	57	CHARLES BELKNAP	71
KEVIN HEDRICK	31	DAVE UGARKOVICH	48	JOHN KORTHEUER	65	SPM	3:41.01
JOHN YORK	37	ANDREW BRENNAN	36	DICK WEBBER	67	ROBERT ATWOOD	76
DAVIS AQUATIC	2:03.45	SCOTT REUSS	34	JERRY CLARK	58	ABRASHA BRAININ	73
JOHN TICE	38	JULIUS YOUNG	49	MICH	2:22.19	BILL UHRICH	76
MICHAEL COLLINS	30			HUGH RODDIN	54	ROBERT PATTON	74
TODD GREENE	25	200-239		RONALD ALSOBROOK	66	MICH	3:55.47
DOUG SMITH	34	R:OLYMPIC CLUB 94	1:58.50	TONY TASHNICK	58	LEO PHILLIPS	81
FINS	2:03.70	TIM BIRNIE		WALLY DOBLER	62	WILLIAM CLEMONS	67
TOM CREECH	29	ROBERT STRAND		WALNUT CREEK	2:26.13	JAE BIRCH	68
ROBERT RYAN	30	RICHARD BASSI		BOB NOOTBAR	60	MAURICE KARRIGER	64

# TOP TEN - LONG COURSE METERS

WALNUT CREEK	3:55.52	120-159	JON BAUER	43	JAMES SHAW	
BOB STRINGHAM	75	R:THE OLYMPIC CLB94	MIKE MEIR	37	JOHN SELMER	
HAL PERRY	85	ROBERT PLACAK	MARK SPRATT	40	SAN DIEGO SWIM	5:02.40
BILL JOHNSON	78	KURT VANDERBOGART	FGCM	4:24.08	MIKE FRESHLEY	55
BOB HALL	75	SEAN MURPHY	JONATHAN OLSEN	32	JOHN GOODE	62
		DAVE LUNDBURG	MARTY HENDRICK	37	STEVE MOSELEY	58
320-359		WALNUT CREEK	BLAKE MARSHALL	37	DONALD BAKER	65
R:COAST MASTERS	96 3:17.51	JEFF ROGERS	MICHAEL DIVELY	56	OREG	5:03.64
BRION WINSHIP		JOHN SCHWENGER	DCAC	4:25.36	GEORGE THAYER	60
WALTER PFEIFFER		DAVE COOL	JOSI CUNNINGHAM	39	DICK SLAWSON	60
ROBERT CHRISTIANS		STEVE STAHL	DREW FITZMORRIS	35	ERIC GUEST	66
WOODROW BOWERSOCK		DCAC	JACK MARKEY	42	DAVID RADCLIFF	62
COAST MASTERS	3:17.51	SCOTT BRINITZER	BRUCE SCHOPP	45	SPM	5:29.19
BRION WINSHIP	78	THOMAS AUGSPURGER	EL CERRITO/ALBA	4:34.09	HAROLD FERRIS	65
WALTER PFEIFFER	82	DEAN DELIBERTIS	BRADLEY TOMKO	32	JOHN COX	61
ROBERT CHRISTIANS	80	G.HEUCHLING	MICHAEL WOODRUFF	51	CHARLES KOHNKEN	64
WOODROW BOWERSOCK	83	TSUN	ALVARO PASTOR	49	STEVEN GRAU	50
TXAM	3:52.06	BART MCDERMOTT	MARK HICKMAN	30	WALNUT CREEK	5:38.94
JOE IRVINE	85	BRIAN FITZGIBBONS	CMM	4:37.19	BOB NOOTBAR	60
BENNETT ALLEN	82	TODD HILL	D BROWNFIELD	38	MIKE MILLIMAN	61
JESSE COON	85	PETER MCAWEENEY	MARK PURTILAR	36	BILL PECKHAM	68
TEX ROBERTSON	87	WH20	TERRY SUTTON	43	DON BROWN	63
*****		KURT SMITH	O NORDSTROM	55	NORTH CAROLINA	5:40.90
RELAYS: M E N 400 M. FREE		JIM RHYNE	SANTA CLARA	4:49.23	JOHN KORTHEUER	65
*****		GARY QUINN	ANDY PLUEMER	38	JERRY CLARK	58
76 - 99		STEVEN WYLLIE	FRED DOTZLER	50	MILTON GEE	59
R:DAVIS AQUATIC	94 3:53.22	TNYA	TOM SMITH	33	BILL APPLEBAUM	61
ERNIE HOFTYZER		DON SUMADA	KEVIN LANCER	41		
BRIAN NABETH		BRAD COLE	NORTH CAROLINA	4:55.43	280-319	
MICHAEL COLLINS		MARK QUIGLEY	CHRIS MULLEN	47	R:OREGON	93 5:41.34
DARREN MOUNTS		EAMONN FOLEY	ERNIE GLASS	46	EARL WALTER	
NO RELAY TEAMS		FINS	RICK RENSINK	44	FLOYD ELIOTT	
		BRIAN CAHILL	BERNIE WHITE	52	GIL YOUNG	
100-119		JOHN CIGLER	DCAC	4:55.83	ANDREW HOLDEN	
R:SANTA CLARA	94 3:39.63	JAMES SENIOR	KEN BEIER	45	SAN MATEO	6:20.03
SERGEY MARINIUK		TOM CREECH	TONY MACDONALD	42	LLOYD WALKER	79
JAMES PARRACK		DAVIS AQUATIC	BARRY HADDAN	44	DON STUPFEL	68
MIKE MOORE		MICHAEL COLLINS	ROBERT BIGELOW	42	ROGER CAMPBELL	65
FRANZ MORTENSEN		MIHAI NEGOESCU			RAY TAFT	76
TATL	3:49.18	JON NEE	200-239			
SEAN FITZGERALD	31	DOUG SMITH	R:LOS ALTOS	94 4:05.72	320-359	
ROBERT HERMANET	25	DCAC	DAVE GRAY		R:COAST MASTERS	96 6:44.11
MIKE MCKEON	26	JASON KLUGMAN	ED CAZALET		WALTER PFEIFFER	
BRUCE HAYES	32	GLENN MLAKER	DICK JAMES		WOODROW BOWERSOCK	
DCAC	3:50.87	DAVID CORAY	BOB PROEBSTING		ROBERT CHRISTIANS	
MICHAEL BRAY	28	LEONARDO ESPINOSA	WALNUT CREEK	4:27.03	LOUIS GIBERSON	
NEILL WILLIAMS	27	SAN DIEGO SWIM	TOM HENDREY	49	COAST MASTERS	6:44.11
DAVID MCNEAR	27	DARRELL RUCKER	KEN BURR	51	WALTER PFEIFFER	82
DAVID MICHAELS	32	ERIC NEILSON	DON DAVIS	51	WOODROW BOWERSOCK	83
WALNUT CREEK	3:59.85	JAMES BOSWELL	JIM KING	49	ROBERT CHRISTIANS	80
DAVE TOBIAS	19	COLIN CHINN	SAN MATEO	4:36.59	LOUIS GIBERSON	75
TODD HALVORSON	27	SANTA CRUZ	RICH FARLEY	33	*****	
BILL DRULIUS	45	MARTIN LIVESEY	DICK PETERSON	59	RELAYS: M E N 400 M. MEDLEY	
MATT VECCHIO	21	GARY KRAGE	BILL STEUART	59	*****	
DAVIS AQUATIC	4:02.72	DAN ARBALAEZ	DON GALINE	50	76 - 99	
JOHN MILLS	25	JOHN SULTAN	INLAND MASTERS	4:48.90	R:THE OLYMPIC CLB94	4:24.89
TODD GREENE	26		JOHN KALISH	43	JIM MURRAY	
BILL WEBER	24	160-199	BOB BEST	63	ERIC TARBELL	
BRANDONB CARTER	25	R:THE OLYMPIC CLB94	CHARLIE POTTS	60	JOHN WITCHEL	
CHSM	4:11.82	JAMES BEGLINGER	MIKE MURPHY	35	STEPHEN GOTH	
DOUG MURPHY	24	R TOD SPIEKER	GOLD COAST	5:00.37	TNYA	4:33.30
TODD SAVAGE	29	STUART CORLISS	CAV CAVANAUGH	60	JAMES RUGGIERO	23
JEFFREY HASELTINE	26	MIKE KECK	DOUGLAS RITCHIE	49	ALEXANDER HALL	24
DAN FERGUSON	29	SAC	NICK TUSSING	48	LAIRD ADAMSON	23
TNYA	4:13.65	GLEN STEWART	WILLIAM QUALE	54	MATTHEW BETMALECK	28
JOHN CHAPKO	28	JULIUS YOUNG	DCAC	7:20.07	DAVID MCNEAR	4:43.54
MATTHEW BETMALECK	28	DAVID UGARKOVICH	W.JR.	52	ROBERT HUDSON	19
STEPHEN LARKIN	25	BRIAN SUTLIFF	ROBERT ABRAMSON	52	BRUCE BORNFLETH	28
CRAIG MCELROY	33	TNYA	BRUCE MURRIE	50	JASON KLUGMAN	24
DCAC	4:23.14	PAUL RODGERS	RICHARD DAVIS	47		
ROBERT HUDSON	19	CURTIS BROWN			100-119	
DOUG FADEL	26	JACK ALEXANDER	240-279		R:NEW ENGLAND	96 4:12.04
ERIC LIEBERMAN	27	MATT CLARK	R:RINCONADA	94 4:49.02	ROBERT BARRY	
BRADY PHILLIPS	28	WH20	ALDO DA ROSA		S VANKUILENBURG	
		PAULO FIGUEIREDO	RICHARD BENNETT			

# TOP TEN - LONG COURSE METERS

EDMUND GENDREAU		ROB DAVIS	34	JOSEPH WATRAS	52	JAMES PARRACK	
CHRIS BARRETT		CHRIS PACKARD	37			MIKE MOORE	
DCAC	4:13.89	PAUL FORTOUL	37	200-239		TATL	8:44.82
DAVID GREER	30	CRAIG MCELROY	33	R:THE OLYMPIC CLB94	4:38.46	ERIC CZANDER	29
NEILL WILLIAMS	27	SANTA CLARA	4:47.96	TIM BIRNIE		MIKE MCKEON	26
THOMAS AUGSPURGER	28	B LICHTENWALTER	29	ROBERT STRAND		ROBERT HERMANET	25
DAVID MICHAELS	32	MIKE MOORE	32	RICHARD BASSI		BRUCE HAYES	32
TATL	4:22.58	SCOTT ANDERSON	36	JAMES ELDER		TSUN	10:00.21
BRUCE HAYES	32	KEVIN KOSTELLA	26	NO RELAY TEAMS		MARK MYERS	31
JOHN BROWN	30	TNYA	4:49.26			DALE ZINK	33
ROBERT HERMANET	25	CHARLES CARSON	41	240-279		KEVIN WILLIAMS	26
MIKE MCKEON	26	MATT CLARK	38	R:RINCONADA	91 5:31.14	DUNCAN ROBERTSON	28
NORTH CAROLINA	4:45.72	CHARLES RILEY	41	ELI GOLDFARB		CWA	10:06.22
MARK CANTERBURY	29	CURTIS BROWN	39	ALDO DA ROSA		JOHN MOODERS	33
RICK FENTON	33	CWA	4:50.44	DAVID LEVINSON		MARK KOWALAK	28
GARY MYERSCOUGH	31	JOHN MOODERS	33	ED KERSWILL		KEITH PRYOR	25
ANDREW FARRELL	25	RICHARD NIELSEN	31	SAN DIEGO SWIM	6:28.23	ANDREW LEVASSEUR	31
TNYA	4:46.33	ANDREW LEVASSEUR	31	JOHN GOODE	62	TNYA	10:38.77
JOHN CHAPKO	28	MARK KOWALAK	28	MIKE FRESHLEY	55	STEPHEN LARKIN	25
JACK MACKENROTH	26	INDUSTRY HILLS	5:01.32	DONALD HUBBARD	69	JOE LEONARD	29
ROBERT RIPP	33	JAMES PERCY	40	DONALD BAKER	65	ANDREW BERGH	33
DAVID ARBUTHNOT	32	BRIAN PINKUS	22	SPM	6:33.53	ANDREW WILLETT	25
DCAC	4:46.99	CASEY PEARCE	24	HAROLD FERRIS	65		
GARY ARMSTRONG	24	STAN KIEFER	41	PETER BETZER	54	120-159	
GLENN MLAKER	28			MIKE TORSNEY	66	R:HEARTLAND	92 8:48.95
BRYAN KUNDRATH	24	160-199		CHARLES KOHNKEN	64	MIKE TOLMAN	
BRADY PHILLIPS	28	R:MINNESOTA	94 4:35.87			JEFF REILLY	
CHSM	4:54.16	PAUL WINDRATH		280-319		RANDY EICKHOFF	
DOUG MURPHY	24	JOHN EVERS		R:COLONIALS	90 6:30.60	LEE MENCH	
TODD SAVAGE	29	JOHN MCCALL		ROGER FRANKS		DCAC	8:56.58
JEFFREY HASELTINE	26	LARRY NYMAN		NORMAN GARSOE		G. HEUCHLING	36
DAN FERGUSON	29	SAC	4:56.57	BIRCH DAVIDSON		SCOTT BRINITZER	32
TNYA	5:01.88	DAVID UGARKOVICH	48	FRANK BELLAIRE		LEONARDO ESPINOSA	35
RICHARD VEITH	30	ANDREW BRENNAN	35	SAN MATEO	7:14.67	DAVID MICHAELS	32
ROMAN CRUDELE	32	SCOTT REUSS	34	DON STUFFEL	68	TSUN	8:58.66
RICH DE NAGEL	27	M.MONTGOMERY	50	ROGER CAMPBELL	65	BART MCDERMOTT	39
ANDREW WILLETT	25	SAN DIEGO SWIM	5:03.04	RAY TAFT	76	PETER MCAWEENEY	34
DSST	5:07.95	DARRELL RUCKER	38	FRED TAIOLI	75	TODD HILL	32
TIM BROUILLETTE	30	ERIC NEILSON	30	WIS	7:18.98	CHRIS RESLER	27
GREGORY FONG	26	JAMES BOSWELL	35	W MORGAN BYERS	68	WH20	9:09.97
MICHAEL GIVEN	31	BILL EARLEY	59	JOHN BAUMAN	66	GARY QUINN	37
DONALD SCHRAMM	31	DCAC	5:04.70	ALEX MACGILLIS	67	BRUCE HATTON	38
		DREW FITZMORRIS	35	LYNN SURLES	79	PHILIP HAYMAN	33
120-159		BARRY HADDAN	44	WIS	8:17.93	MARK SPRATT	40
R:THE OLYMPIC CLB94	4:04.49	DOUG WILSON	44	GORDON SCHALLA	70	TNYA	9:17.53
SEAN MURPHY		JACK MARKEY	42	BILL PAYNE	66	DON SUMADA	34
STUART CORLISS		FGCM	5:05.82	PERRY ROCKWELL	71	IZHAR HARPAZ	27
DAVID LUNDBERG		MARTY HENDRICK	37	WILLIAM KIRAR	85	MARK QUIGLEY	37
MIKE KECK		JONATHAN OLSEN	32			SCOTT HIROSE	29
WH20	4:28.34	BLAKE MARSHALL	37	320-359		LAKESIDE MASTER	9:33.87
JAMES BALLARD	38	MICHAEL DIVELY	56	R:COAST MASTERS	95 8:48.03	SAM BLYTHE	36
MIKE THOMSON	26	INLAND MASTERS	5:31.19	LOUIS GIBERSON		DALE MERCKER	29
PAULO FIGUEIREDO	49	MIKE MURPHY	35	JOHN GLENN		JIMBO MARTIN	38
JIM RHYNE	30	FRANK MCKINLEY	34	WALTER PFEIFFER		KIRK BUESE	36
TNYA	4:32.92	JOHN KALISH	43	WOODROW BOWERSOCK		SANTA CLARA	9:42.08
SCOTT EWALT	30	CHARLIE POTTS	60	NO RELAY TEAMS		MIKE MOORE	32
ROLF SJOGREN	33	SANTA CLARA	5:32.84	*****		B LICHTENWALTER	29
IZHAR HARPAZ	27	LARRY TAGGESEL	43	RELAYS: M E N 800 M. FREE		SCOTT ANDERSON	36
BRAD COLE	37	ANDY PLUEMER	38	*****		ANDY PLUEMER	38
DCAC	4:33.48	FRED KOEHLER	36	76 - 99		SAN DIEGO SWIM	9:49.26
SCOTT BRINITZER	32	FRED DOTZLER	50	R:DAVIS	89 9:11.58	ERIC NEILSON	30
TIM MACDONALD	31	DSST	6:16.87	MIKE COLLINS		JAMES BOSWELL	35
DEAN DELIBERTIS	32	MIKE VINCENT	41	JEFF BAILEY		COLIN CHINN	38
LEONARDO ESPINOSA	35	CHRISTOPHER HOGAN	42	JEFF HICKS		STEVE HEAP	23
CHSM	4:35.22	SCOTT EHRLICH	43	TOM MCNAMARA		LONG BEACH SWIM	9:49.98
CHRIS LAYTON	36	JONATHAN KOELLE	35	DCAC	9:13.65	MICHAEL HEATHER	42
MARK REEVES	32	OJAI SANTA BARB	6:22.16	JASON KLUGMAN	24	BERT BERGEN	29
MARTY SARUSSI	30	DAVID WILLIAMS	39	DOUG FADEL	26	ABE ANTLER	21
DAMON MACKERT	32	STEVE CLOSE	53	GARY ARMSTRONG	24	MICHAEL MCDERMOTT	32
TSUN	4:43.07	BARRY LANT	35	BRYAN KUNDRATH	24	CHSM	9:51.19
CHRIS RESLER	27	RICK GOEDEN	49			CHRIS LAYTON	36
WAYNE ROGERS	36	CMM	6:25.92	100-119		MARK REEVES	32
PETER MCAWEENEY	34	JOE PESCHEL	51	R:SANTA CLARA	94 8:04.17	MARTY SARUSSI	30
KENNETH HILLAN	34	TODD RADEL	23	SERGEY MARINIUK		DAMON MACKERT	32
TNYA	4:47.25	NEIL WASSERMAN	41	FRANZ MORTENSEN		FINS	10:18.09

# TOP TEN - LONG COURSE METERS

JAMES ROBLES	29	SAN DIEGO SWIM	11:16.41	CHMS	1:52.06	PATTY REDIG	36
JAMES SENIOR	32	DONALD BAKER	65	MICHAEL NEAL	32	THOMAS REDIG	35
JOHN CULHANE	39	PARRY O'BRIEN	64	ABRAHAM SOLANO	26	SPM	1:53.83
KEITH ROBINSON	41	JOHN GOODE	62	DONNA JOHNSON	28	LISA SUMMERS	25
		MIKE FRESHLEY	55	GINA MARIE GATTI	33	TIMOTHY KENNEDY	39
160-199				MICH	1:54.08	BUSSEY-MCKEITHEN	36
R:THE OLYMPIC CLB94	9:02.49	280-319		BOB JENNINGS	30	WILLIAM SPECHT	38
JOE DIETRICH		R:SAN MATEO	94 12:22.64	MARK VANDER MEY	30	GOST	1:54.83
FRED FERROGGIARRO		RAY TAFT		AMANDA SCHUSTER	28	C.CORCORAN	30
R TOD SPIEKER		FRED TAIOLI		LYNN COOPER	30	SUSAN ROESCH	38
STUART CORLISS		ED MORAN		CRAWFISH MASTER	1:54.71	DMITRI KHODKO	36
SAC	9:54.36	BILL STEUART		RICHARD HARTMAN	41	JOE REINHARDT	35
DAVID UGARKOVICH	48	ST LOUIS MASTER	14:46.28	HELEN WALSH	27	MICH	1:54.97
M.MONTGOMERY	50	DON SERY	72	ANN SPEED	25	MARILYN EARLY	38
ANDREW BRENNAN	35	JACK HUBER	73	ADAM WERTH	26	PASCALE ASBURY	37
GLEN STEWART	31	WILLIAM CANNON	65	LAKESIDE MASTER	1:56.38	MARK DUNN	25
TNYA	10:00.77	ROBERT BLAKE	71	CHERI BAUER	28	JOHN MASTENBROOK	40
BUCK BROKER	39			SUSAN AUGUSTUS	29	TNYA	1:55.01
CHARLES RILEY	41	320-359		MICHAEL O'TOOLE	21	MARK QUIGLEY	37
BRENNAN MURPHY	41	R:COAST MASTERS	95 17:33.86	DALE MERCKER	29	MICHELE HUYETTE	27
CHARLES CARSON	41	JOHN GLENN		VENICE MASTERS	1:59.78	MARCY YEISLEY	26
MICH	10:22.52	ROBERT CHRISTIANS		STEVE LATTA	29	ROLF SJOGREN	33
D KROEGER	52	WALTER PFEIFFER		CHAPPIE DEHAVEN	27	CRAW	1:55.36
THOMAS MOYER	48	WOODROW BOWERSOCK		NELL REGAN	26	STEVEN HECK	46
FRANK THOMPSON	44	COAST MASTERS	18:24.38	ROBYN GARINGER	23	LESLIE STANLEY	34
ERIC NORDLUND	32	WALTER PFEIFFER	82	SWIM	2:02.37	HELEN CANE	40
DCAC	10:33.21	DON NEEFE	87	JAMES PALMERE	43	SCOTT RABALAIS	37
FREDERICK JOHNSON	36	ROBERT CHRISTIANS	80	MARTHA LIGGETT	26		
KEN BEIER	45	WOODROW BOWERSOCK	83	BOBBI JO RUNYON	24	160-199	
DOUG WILSON	44	*****		W.SPITZNAGLE	26	R:RMM	92 1:47.46
PETER BEARD	36	RELAYS: MIXED 200 M. FREE		ORLM	2:03.54	CATHY DROZDA	
GOLD COAST	10:51.61	*****		DANIELLE SIRBU	22	JUDY REED	
WILLIAM QUALE	54	76 - 99		BILL KOREY	32	TOM WHATLEY	
DOUGLAS RITCHIE	49	R:UNIV SAN FRAN	92 1:48.50	J.VANDERMOLAN	29	RICHARD ABRAHAMS	
CAV CAVANAUGH	60	CYNTHIA HINSHAW		KEN WAGNER	31	TXAM	1:50.22
JOHN COYLE	24	GARY YANG		MOUNTAIN VIEW	2:05.26	S.NEILSON-BELL	40
OJAI SANTA BARB	10:52.04	JANET HAUER		SEAN LEV-TOV	30	LARRY WOOD	42
RICK GOEDEN	49	ANDREW GELLER		ANNIKA LEWIS	30	KARLEEN WISE	42
DAVID SCHRADER	40	CFCC	1:56.70	SUZANNE GARRITY	28	JAMIE BAIRD	41
DAVID WILLIAMS	39	JOSE MAHER	25	MIKE LEMONS	24	TOC	1:52.18
JOHN DAVID	38	REBECCA DAVIS	22	ELMWOOD SHARKS	2:06.52	ROBERT STRAND	50
WH20	11:24.75	HEATHER GRADY	25	VAL GENERES	20	RICHARD BASSI	55
VINCENT LOWELL	34	J.ARMSTRONG	21	JOAN RIZZUTO	35	CORINNA SEIBT	35
JAY OLSON	46	WALNUT CREEK	1:57.30	ALLISON HNATYSHYN	25	SHARON SCOTT	24
DAVID HAY	45	MATT VECCHIO	21	ROB CAMBIAS	28	TOC	1:53.77
MIKE MEIR	37	KATHLEEN HARTNETT	24			TIM BIRNIE	50
		MICHELLE GHIGGERI	27	120-159		MIKE KECK	36
		DAVE TOBIAS	19	R:LONE STAR	87 1:44.84	DANIELLE OGIER	43
200-239		MICH	1:59.60	L.MORRISON-CASEY		CAROL BADGER	36
R:THE OLYMPIC CLB94	9:28.05	MONICA BULLARD	24	JACKIE HIRSTY		LAKE	1:56.09
TIM BIRNIE		HEATHER HERITAGE	24	RICHARD HESS		JOHN NOLAN	47
RICHARD BASSI		ERIC TROESCH	23	JIM MONTGONERY		CHUCK LAMBERT	39
JAMES ELDER		ERIK SCOLLON	24	MICH	1:49.13	AMY POPE	36
ROBERT STRAND		MICH	2:00.00	CORRIN POPPS	31	PAMELA MARTIN	38
LAKESIDE MASTER	13:42.72	ERIC NORDLUND	32	MARY MUETING	31	MICH	1:56.55
WOODY TURRENTINE	48	MICHAEL HEYD	19	KURT DICKSON	29	EVELYN LYNCH	44
BILL WITTIG	46	JILL MURANY	23	BRIAN SHARAR	35	CASSANDRA GARRY	41
LARRY ISOM	55	JENNIFER TURNBULL	23	IM	1:51.52	JOHN HAUSCHULZ	43
RICHARD SCHEU	55	AAMT	2:13.57	JENNIFER RIDGE	27	MARK HESSKAMP	36
CMH	15:21.04	KAYOKA HONDA	20	DAVID TOLER	41	O*H*I*O	1:56.65
STEVEN KLEENE	44	SATOMI FUKUI	19	SOLVEIG SULLIVAN	26	MARIA SCHEIBER	27
JOSEPH WATRAS	52	S NISHIMURA	22	TED SOLTYS	36	MARY UBERT	31
O NORDSTROM	55	D KAWASAKI	19	WALNUT CREEK	1:51.54	DAVE QUIGGIN	51
F BOWDON	77			STEVE STAHL	31	HARRY GREENFIELD	51
DCAC	17:14.66	100-119		JOHN SCHWENGER	31	MINN	1:57.05
WILLIAM DONOVAN	52	R:MICHIGAN	96 1:44.84	MAUREEN CHALMERS	31	PAUL WINDRATH	42
ROBERT ABRAMSON	52	DYNE BURRELL		CAREN MCNAMARA	36	LARRY NYMAN	43
BRUCE MURRIE	50	SUSIE DEVLIN		O*H*I*O	1:52.03	M.WINDRATH	43
RICHARD DAVIS	47	TODD MERCER		LORI VIANCOURT	25	PEGGY KRATZ	36
		MICHAEL GREEN		LAURA KESSLER	36	MICH	1:58.84
240-279		MICH	1:44.84	GLENN MILLS	34	JEAN DYER	36
R:RINCONADA	94 10:55.42	DYNE BURRELL	29	DENNIS MULVIHILL	30	ANN URSCHEL	41
ALDO DA ROSA		SUSIE DEVLIN	29	IM	1:53.53	LEONARD BROCKHAHN	46
RICHARD BENNETT		MICHAEL GREEN	32	DIANNE BARRY	38	WILLIAM REID	46
JAMES SHAW		TODD MERCER	29	JOSEPH MAGIERA	39	WALNUT CREEK	2:00.10
JOHN SELMER							

# TOP TEN - LONG COURSE METERS

MARC ST MARSEILLE	36	BEVERLY MYERS	61	O*H*I*O	2:54.27	DONNA JOHNSON	28
PATTY LANDERS	39	JOYCE KOWALSKI	54	H.HUGGINS	74	MICH	2:07.58
DEBBIE FLANSBURG	40	JOHN RIES	64	SYLVIA HILL	74	HERB HENEMAN	25
BILL DRULIUS	45	SAN DIEGO SWIM	2:21.19	JOHN DAILY	68	MONICA BULLARD	24
SIERRA NEVADA	2:00.76	BILL EARLEY	59	PETER VAN DIJK	67	ERIC TROESCH	23
DAVID BRANCAMP	34	LYNNE LUND	55	MICH	2:54.99	BETHANY WILLISTON	25
DON MCKENZIE	49	BETSY JORDAN	59	EDITH GLUSAC	77	CFCC	2:09.49
NANCY ROSE	34	WILLIAM PHILLIPS	68	LOIS NOCHMAN	71	REBECCA DAVIS	22
CELESTE MILLER	46	NCMS	2:23.57	ROBERT HERITIER	68	JOSE MAHER	25
		SANDRA KREMER	60	CHARLES MOSS	68	J.ARMSTRONG	21
200-239		SALLY NEWELL	58	OJAI SANTA BARB	2:58.34	HEATHER GRADY	25
R:LOS ALTOS	94	DICK WEBBER	67	GRACE ALTUS	72	MICH	2:22.22
EDWARD CAZALET		JERRY CLARK	58	RUTH BAAR	73	ERIK SCOLLON	24
LAURA VAL		GOST	2:26.36	JOHN STERN	72	JILL MURAY	23
ARLENE PROEBSTING		MARIANNE ERICKSON	44	THOMAS KRUMM	75	JEFF MC CARTY	29
ROBERT PROEBSTING		CHRIS GILLIGAN	52	NIAG	3:03.44	ANDREA FRUEH	23
DCM	2:01.00	EDWARD HABAN	71	JOHN CRANCH	74	AAMT	2:54.87
DENISE KIRWAN	44	JOHN FLORANCE	73	NANCY SCHOEPPERLE	71	KAYOKA HONDA	20
ROBERT CASEY	51	MICH	2:34.23	SUE MARVEL	76	JANE KRATOCHVIL	30
WILLIAM HERZER	49	SHIRLEY DACEY	59	DONALD AGATE	75	NOBUYOSHI TAMAI	20
JAYNE BRUNER	62	ROBERT WEDDELL	66	DCM	3:08.93	D KAWASAKI	19
SAN DIEGO SWIM	2:12.24	WALLIE JEFFERIES	65	MATTHEW FLANAGAN	70		
MIKE FRESHLEY	55	FREDERICKA RAPP	52	DONALD HANNAM	56	100-119	
BARBARA DUNBAR	47	GOST	2:34.51	ANNE WALKER	80	R:HOUSTONIAN CLUB90	1:56.50
GINI BAKER	45	DICK CHISHOLM	61	JEAN CHENAUX	82	CLAY BRITT	
DONALD BAKER	65	MARGE BOWDON	73	WALNUT CREEK	3:10.94	L WETZEL-OSBORNE	
LAKE	2:13.86	SARA SACHS	50	BILL JOHNSTON	78	STUART KNOWLES	
THOMAS FINNEGAN	50	JOHN MEDICI	58	SALLY JOY	78	REBECCA WETZEL	
WILLIAM TINGLEY	46	HEARTLAND SWIM	2:43.57	JAE HOWELL	73	TOC	2:00.13
CAROL FERGUSON	64	MARILYN RAMEY	56	HAROLD BOSCOVICH	54	JOAN SCHRIGER	31
A.WRIGHT-BELKNAP	45	NANCY REED	69			JAMIE PATRICK	25
HUMU	2:15.64	GENE SAPPER	66	320-359		MIKE KECK	36
ULI KLINKE	51	JERRY O'MARA	49	R:D C MASTERS	93	SHARON SCOTT	24
DIANE STOWELL	61	SPM	2:45.48	NANCY CLARK	3:03.15	GOST	2:06.05
KATIE ANDERSON	44	HARRY PIPER	61	ANNE WALKER		JOE REINHARDT	35
STEVE RUDOLPH	53	SANDY STEER	57	KELLY LEMMON		TODD RADEL	23
RINCONADA	2:16.60	CHARLES KOHNKEN	64	DAVID MCAFFEE		MARGARET BOLIVER	25
CHRIS KANAZAWA	29	JACQUELYN PIPER	59	CONN	3:22.13	C.CORCORAN	30
SUE SPRINGER	57	MICH	2:49.67	JOHN MERRILL	79	MOVY	2:10.05
ALDO DA ROSA	78	EDITH GLUSAC	77	NANCY PHILLIPS	75	DAVE SWENSON	33
FRED FARLEY	42	RICHARD CHANEY	46	GUS LANGNER	93	LOUISE MARTIN	27
C1776	2:17.56	LOIS NOCHMAN	71	DOROTHY DONNELLY	74	JAMIE PROFFITT	31
WARREN FISHER	40	DONALD KROEGER	52	SAN MATEO	3:30.57	JENNIFER HAMMOND	24
JANE ZIEGLER	42	IM	3:00.04	AUDREY ETIENNE	79	LAKE	2:10.29
STEPHANIE WALSH	47	HANNELORE SNYDER	66	ZADA TAFT	77	CAROLINE DONNELLY	34
CHARLES BREEDING	80	BECKY HELLER	32	JOE KAUFMAN	91	MICHAEL O'TOOLE	21
SMMM	2:17.66	DAVE MALBROUGH	83	RAY TAFT	77	SUSAN AUGUSTUS	29
DICK PETERSON	59	JOSEPH SELIBER	70	SPM	3:49.91	DALE MERCKER	29
ROSEMARY MCNALLY	48			FRED WALBOLT	83	MICH	2:11.07
DALE FINCH	46	280-319		FRANCES CICHANSKI	79	TODD MERCER	29
DONALD GALINE	50	R:OREGON	92	KAY SCHIMPF	79	KRISTIN NELSEN	30
LAKESIDE MASTER	2:21.36	GERALD HUESTIS	2:31.29	KERMIT HOTVEDT	81	DONALD SWALWELL	30
LINDA HUBBUCH	51	ANDREW HOLDEN		MICH	5:00.37	HEATHER HERITAGE	21
M.BLASKE-HULL	46	PETEY SMITH		LEO PHILLIPS	81	MICH	2:15.84
GLENN HUBBUCH	51	PAULINE STANGEL		DONALD MAY	75	ERIC NORDLUND	32
LARRY KEATON	52	NEM	2:38.60	JEWEL COOKE	87	BONNIE CERVANTES	28
MICH	2:22.39	PETEY SMITH	72	MARTHA FORSTER	79	JENNIFER TURNBULL	23
JENNIFER PARKS	52	JAMES EDWARDS	73	NORTH CAROLINA	5:40.87	MICHAEL BELL	27
ILENE MC INTOSH	48	B.BURRILL	75	HAROLD HOFFMAN	88	GCMT	2:16.18
JAY RYNO	49	FH TED HAARTZ	68	BUZ CATLIN	82	JENNIFER BRISKER	30
PAUL CHAFFEE	53	SPM	2:44.33	BETTE HOFFMANN	77	CAREN MACLEAN	25
MICH	2:30.63	RICHARD AVERY	73	BOYD CAMPBELL	86	JOSH GORDON	23
BEVERLY MYERS	61	FLORENCE CARR	71	*****		ROBERT BROWN	25
DONALD KROEGER	52	JUNE REYNOLDS	74	RELAYS: MIXED 200 M. MEDLEY		TNYA	2:18.11
THOMAS MOYER	48	HAROLD FERRIS	65	*****		RICHARD VEITH	30
FREDERICKA RAPP	52	O*H*I*O	2:48.42	76 - 99		MICHELE HUYETTE	27
		LILLY KRON	64	R:UNIV SAN FRAN	92	MARCY YEISLEY	26
240-279		BETTY RUSS	69	GARY YANG	2:02.31	DON SUMADA	34
R:LOS ALTOS	92	PIERCE BRAY	72	JANET HAUER		ORLM	2:19.97
JOHN RICHARDS		PAUL KRUP	78	GREG MACKEM		BILL KOREY	32
JAY CRADDOCK		MICH	2:52.12	CYNTHIA HINSHAW		RICHARD DORSEY	27
DELLA SEHORN		T.GUISEPPE	69	CHMS	2:05.11	HEATHER O'BRIEN	33
LAURA VAL		BOBBIE LAWRENCE	76	BRADLEY SCHMIED	24	MARJORIE SALAZAR	26
MICH	2:19.85	DON KORTEN	69	RHONA SWAIN	22	SWIM	2:22.27
WALLY DOBLER	62	WILLIAM CLEMONS	67	JEFF FELTZER	25	BOBBI JO RUNYON	24

# TOP TEN - LONG COURSE METERS

W.SPITZNAGLE	26	KEITH BELL	48	JOHN EDWARDS	47	MARGE BOWDON	73
MARTHA LIGGETT	26	S.NEILSON-BELL	40	ANNE PAGE	48	HEARTLAND SWIM	3:09.85
JAMES PALMERE	43	MICH	2:09.32	H. JACK PYLE	52	MARILYN RAMEY	56
		EVELYN LYNCH	44	JAYNE LAMBKE	56	GENE SAPPER	66
120-159		GREG BRANNICK	40	GOST	2:37.69	JERRY O'MARA	49
R:MICHIGAN	96	ROBERT FORT	38	CHRIS GILLIGAN	52	NANCY REED	69
DYNE BURRELL		CASSANDRA GARRY	41	CHRIS KEMP	48		
MARK VANDER MAY		LAKE	2:10.50	TERRY SUTTON	43	280-319	
MICHAEL GREEN		WILLIAM TINGLEY	46	JOHN MEDICI	58	R:O*H*I*O	93
CORRIN POPPS		A.WRIGHT-BELKNAP	45	SMM	2:38.04	BETTY RUSS	
MICH	1:57.58	CHARLES MIESNER	41	DONALD GALINE	50	LILLY KRON	
DYNE BURRELL	29	AMY POPE	36	DALE FINCH	46	PAUL KRUP	
MARK VANDER MEY	30	O*H*I*O	2:12.82	DICK PETERSON	59	DEXTER WOODFORD	
MICHAEL GREEN	32	DAVE QUIGGIN	51	ROSEMARY MCNALLY	48	O*H*I*O	3:04.33
CORRIN POPPS	31	MARY UBERT	31	NEM	2:41.64	BETTY RUSS	69
MICH	2:03.86	MARIA SCHEIBER	27	TRACY GRILLI	39	LILLY KRON	64
DAWN HEWITT	31	HARRY GREENFIELD	51	MARIAN COAKLEY	58	PAUL KRUP	78
BOB JENNINGS	30	GOST	2:13.01	WILLIAM ARMSTRONG	45	DEXTER WOODFORD	82
TOM MELGAR	35	ANN GUINS	43	LARRY DUNHAM	58	O*H*I*O	3:12.19
MARY MUETING	31	DMITRI KHODKO	36	IM	2:41.73	PETER VAN DIJK	67
O*H*I*O	2:05.79	RANDY SIMONS	48	MARY POHLMANN	51	M.J. AMSBARY	71
LORI VIANCOURT	25	KAROL BROWN	39	MAX ZOLLNER	57	H.HUGGINS	74
GLENN MILLS	34	IM	2:13.39	BETTY BENNETT	53	JOHN DAILY	68
HAROLD WAGNER	31	KURT MOEHLMANN	44	MIKE NITCH	40	NEM	3:17.58
LAURA KESSLER	36	JANE ROBRE	38			JAMES EDWARDS	73
NEM	2:07.07	CATHERINE QUILL	46	240-279		FH TED HAARTZ	68
ROBERT BERRY	28	TIMOTHY ROURKE	41	R:NEW ENGLAND	88	PETEY SMITH	72
S.VANKUILENBURG	31	MINN	2:14.98	CLARA WALKER		B.BURRILL	75
NANCY THOMSON	32	PAUL WINDRATH	42	TED HAARTZ		MICH	3:18.19
MARY PERRONI	31	M.WINDRATH	43	WIN WILSON		T.GUISEPPE	69
CHMS	2:07.60	LARRY NYMAN	43	DIANE REED		BOBBIE LAWRENCE	76
MICHAEL NEAL	32	PEGGY KRATZ	36	NCMS	2:41.60	CHARLES MOSS	68
ABRAHAM SOLANO	26	C1776	2:16.28	ROLFFS PINKERTON	57	ROBERT HERITIER	68
GINA MARIE GATTI	33	WARREN FISHER	40	SALLY NEWELL	58	SPM	3:21.20
JANET ZELLER	33	PATRICIA TIMMINS	42	JOHN KORTHEUER	65	FRANK TILLOTSON	81
MICH	2:07.82	JOHN CULHANE	40	SANDRA KREMER	60	ABRASHA BRAININ	73
KURT DICKSON	29	JANE ZIEGLER	42	SAN DIEGO SWIM	2:50.30	FLORENCE CARR	71
JULIE ZAPPONE	31	CAMC	2:17.53	BETSY JORDAN	59	SANDY STEER	57
MARK HESSKAMP	36	MARYANNE KEEVER	40	WILLIAM PHILLIPS	68	NIAG	3:35.95
NANCY SERVO	35	GARY REESE	30	DONALD HUBBARD	69	DONALD AGATE	75
SPM	2:08.01	THOMAS ELDER	48	GINI BAKER	45	JOHN CRANCH	74
WILLIAM SPECHT	38	CHERI PRICE	43	DCM	2:50.54	BETTY DUNN	71
ELAINE BROMWICH	53			ANNE WALKER	80	SUE MARVEL	76
J.MCKEITHEN-BUSSE	36	200-239		MATTHEW FLANAGAN	70	SAN MATEO	3:38.01
STUART BARTON	28	R:LOS ALTOS	94	ROSANNA SIKORA	40	ZADA TAFT	76
IM	2:10.12	EDWARD CAZALET	2:14.32	LAWRENCE COHEN	61	TOM AUSTIN	56
SOLVEIG SULLIVAN	26	TOM BOAK		MICH	2:52.53	RAY TAFT	76
CAROL GUSTAFSON	34	CAROLYN BOAK		JOYCE KOWALSKI	54	AUDREY ETIENNE	79
DAVID GIBSON	36	ARLELE PROEBSTING		JOHN RIES	64	IM	3:51.83
THOMAS MC CABE	38	DCM	2:19.29	WALLY DOBLER	62	M.FIELDHOUSE	78
IM	2:10.25	DENISE KIRWAN	44	SUSAN BOND	60	HANNELORE SNYDER	66
DIANNE BARRY	38	JAYNE BRUNER	62	RMM	2:55.49	WAYNE LEENGRAN	65
JOSEPH MAGIERA	39	TOM MOTHERAL	48	JOHN WRENN	75	DAVE MALBROUGH	83
PATTY REDIG	36	WILLIAM HERZER	49	BOB PATTEN	62		
THOMAS REDIG	35	DCM	2:20.42	JENNY WRENN	42	320-359	
IM	2:10.40	LONNY HARRISON	47	CATHY WRENN	69	R:SAN MATEO	94
ANDREAS SEIBT	38	JOANN LEILICH	57	MICH	3:03.48	JOE KAUFMAN	3:57.45
DAVID ACKERMANN	30	BARBARA FRID	54	JENNIFER PARKS	52	HELEN ROUMASSET	
TERESA ZURICK	30	ROBERT CASEY	51	JOHN ALT	71	RAY TAFT	
BECKY HELLER	32	TOC	2:20.68	BEVERLY MYERS	61	AUDREY ETIENNE	
		TIM BIRNIE	50	DON KORTEN	69	MICH	4:00.80
160-199		CAROL BADGER	36	MICH	3:04.87	LEO PHILLIPS	81
R:SPM	92	RICHARD BASSI	55	ROBERT WEDDELL	66	DONALD MAY	75
JUDY STEFANICK	2:02.86	MARGERY MEYER	73	CAROL RHUDY	53	JEWEL COOKE	87
ARTHUR HALTTUNEN		NCMS	2:20.92	CHARLES MAAS	62	MARTHA FORSTER	79
WILLIAM SPECHT		RICHARD BOBER	45	SHIRLEY DACEY	59	COAST MASTERS	4:22.97
ANNE PAGE		SALLY NEWELL	58	MICH	3:07.93	MADELEINE MILLER	85
ST LOUIS MASTER	2:03.61	BEVERLY AMICK	42	LOIS NOCHMAN	71	MAURINE KORNFELD	74
MAGGIE HOPPER	39	JERRY CLARK	58	DONALD KROEGER	52	ROBERT CHRISTIANS	80
GARY JEWELL	46	LAKESIDE MASTER	2:28.20	RICHARD CHANEY	46	WOODROW BOWERSOCK	83
DOUGLAS MILLER	49	WILLIAM TINGLEY	46	EDITH GLUSAC	77	NORTH CAROLINA	5:51.26
SUSAN MCBEE	26	A.WRIGHT-BELKNAP	45	GOST	3:08.51	BOYD CAMPBELL	86
TXAM	2:05.27	JOHN NOLAN	47	EDWARD HABAN	71	JUDY KELLY	71
JAMIE BAIRD	41	CAROL FERGUSON	64	JOHN FLORANCE	73	BUZ CATLIN	82
JANN GIRARD	36	SPM	2:33.20	LARRAINE FOSTER	36	HAROLD HOFFMAN	88



# TOP TEN - LONG COURSE METERS

***** RELAYS: MIXED 400 M. FREE ***** 76 - 99	HEATHER JOHNSEN 28 BRYAN WEAVER 42 JOHN KOCKER 41 ALHAMBRA MASTER 5:27.87 SUSAN HUMMER 26 TYRONE BROWN 32 KERRI NAUFUL 39 BILL DARBY 49 AZQUA 6:23.09 LINDA JARVIE 32 DAVID MORRIS 44 MARSHA MUMM 37 W.KIRCHINGER 46	B.EDELMAIER 49 WILLIAM QUALE 54 MICH 5:56.03 DONALD KROEGER 52 THOMAS MOYER 48 BEVERLY MYERS 61 CAROL RHUDY 53 HEARTLAND SWIM 6:01.29 JERRY O'MARA 49 GENE SAPPER 66 MARILYN RAMEY 56 CHARLOTTE COWAN 56	DAVID SCHRADER 40 EL CERRITO/ALBA 5:42.90 MARJORIE MOORE 28 STEPHEN DUNKLE 34 BRIAN SAY 24 JOAN ZAKEL 28
R:OLYMPIC CLUB 95 4:04.97 BRAD BUDNEY MICHAEL COOLEY ELAINE WEIGAND ALICIA ROWELL BREA AQUATICS 4:57.82 MICHAEL ECKERT 25 BRETT BEARD 23 LINDA NIWA 22 LORALEE BROWN 25	160-199 R:OLYMPIC CLUB 95 4:08.95 ROBERT STRAND MIKE KECK MARGUERITE MEYER DANIELLE OGIER OREG 4:47.56 ANDREE KRAKER 35 ROBERT SMITH 53 STEPHEN WARNER 47 SANDI ROUSSEAU 48 O*H*I*O MASTERS 4:54.37 LORI VIANCOURT 25 GORDON DEMEESTER 53 JOANNE BOWSER 42 GEORGE CYPHERS 49 GOLD COAST 5:19.86 RORIE ANDERSON 45 DOUGLAS RITCHIE 49 BARBARA ALAVI 44 JOHN COYLE 24 DCAC 5:25.35 DALE BARNHARD 48 CONSTANCE MECK 45 KELLY RAGAN 33 DAVE HILL 44 HEARTLAND SWIM 5:35.06 GEORGE DALL 41 RON SCHAFER 38 CHRISTE KUNCZINAM 31 MARLEE VALDERHAUG 54 SOUTH WEST 5:49.46 CHARLES SLEZAK 52 BARTON PHILLIPS 52 MARY HULL 32 TRISHA COMMONS 32 WIS MASTERS 6:09.16 CYNTHIA MALTRY 41 BOB SWAIN 59 ALICE UNGER 20 ROBERT KUENY 65 GOLD COAST 6:11.81 NICK TUSSING 48 DAVID ELLMAN 34 SUSAN LUDWIG 38 MARGARET CHARLTON 53 GOLD COAST 7:15.60 BONNIE BENSON 48 MURRAY SIMON 60 JUDY BONNING 43 GLEN HANKS 25	240-279 R:SAN DIEGO 96 5:20.46 WILLIAM PHILLIPS LYNNE LUND BETSY JORDAN BILL EARLEY SAN DIEGO SWIM 5:20.46 WILLIAM PHILLIPS 68 LYNNE LUND 55 BETSY JORDAN 59 BILL EARLEY 59 WIS MASTERS 5:37.11 HARLAN DRAKE 68 DONALD KILB 69 NANCY FISHER 45 DORIS KLITZKE 61 280-319 R:SAN MATEO 89 6:08.62 AUDREY ETIENNE RAY TAFT ZADA TAFT FRED TAIOLI SAN MATEO 7:21.36 AUDREY ETIENNE 79 TOM AUSTIN 56 RAY TAFT 76 ZADA TAFT 76 OJAI SANTA BARB 7:27.48 GRACE ALTUS 72 ELEANOR BROWN 70 THOMAS KRUMM 75 JOHN STERN 72 320-359 R:SAN MATEO 95 7:40.34 JOE KAUFMAN ZADA TAFT RAY TAFT ADNREY ETIENNE NO RELAY TEAMS ***** RELAYS: MIXED 400 M. MEDLEY ***** 76 - 99 R:UNIV SAN FRAN 91 4:36.72 CYNTHIA HINSHAW JOHN DEARBORN DEAN PANZICA JANET HAUER NO RELAY TEAMS	120-159 R:HEARTLAND 93 4:35.74 VICKY DAVIDSON PATTY STARKS RON SCHAFEE LEE MENCH WALNUT CREEK 4:42.62 PAM BOSCOVICH 33 KAREN DUGGAN 26 KERRY O'BRIEN 39 STEVE STAHL 31 DSST 4:49.25 DANA THOMASON 31 ANTHONY KING 34 ANNETTE BERNIER 33 NANCY KEMPER 37 SANTA CRUZ 4:49.81 TIM VELASCO 29 GARY KRAGE 40 SHERRY COOK 31 JESSICA HANCHER 21 WEST HOLLYWOOD 4:58.50 ANDREA DEVUONO 34 JESSICA SEATON 43 SEYMOUR LIAO 26 KURT SMITH 35 SOUTHWEST YMCA 5:26.32 MARISA JOHNSON 38 JOHAN KERKHOVE 43 ERIC CHARPENTIER 31 CYNTHIA KEMP 39 ALHAMBRA MASTER 5:31.31 BILL DARBY 49 SUSAN HUMMER 26 FABIO ASTUDILLO 43 KERRI NAUFUL 39 AZQUA 5:37.97 KEVIN GRENIER 28 LINDA JARVIE 32 STUART MARVIN 31 LORI BESTERVELT 35 DSMC 5:39.96 BUFFY PRICE 39 STUART BARTON 28 JUDY TIBMA 39 RAY ORLANDO 43 MOUNTAIN VIEW 5:59.34 SUZANNE GARRITY 28 MIKE LEMONS 24 TRUMAN SANDS 47 ANNIKA LEWIS 30 HEARTLAND SWIM 6:19.00 VICKI WEBSTER 34 MOZE MOSSAY 42 REBECCA JACKMAN 33 WILLIAM HARVIE 42
100-119 R:WALNUT CREEK 93 4:07.44 JEFF RODGERS SUZANNE HEIM M. GHIGGERFI TOM ORTEGA VENICE MASTERS 4:37.85 TERI ELLIS 28 ROBYN GARINGER 23 CHAPPIE DEHAVEN 27 STEVE LATTA 29 MINNESOTA 4:53.93 ROBERT THOMPSON 27 AMY SCANLAN 27 JENS BREILAND 26 NICKI PHILLIPS 26 GOLD COAST 5:14.18 MARK MAHMOOD 29 RACHEL TABACK 19 MICHELLE BEKOFF 30 GLEN HANKS 25	120-159 R:WALNUT CREEK 91 4:01.94 CAREN LEWIS PAULA ROEMER TOM FRISTOE GREG REMMERT TNYA 4:36.42 CHRIS PACKARD 37 MARCY YEISLEY 26 JEFFREY COUGLER 39 MICHELE HUYETTE 27 SAN LUIS OBISPO 4:38.80 ALAN FREEMAN 40 C LYNNE ANDERSON 37 SALLY MORGAN 36 GEORGE NEWLAND 38 OJAI SANTA BARB 4:59.93 COREY WELLES 32 JENNIFER TAM 20 AMI JASON 19 STEVE CLOSE 53 VENICE MASTERS 5:15.05 STEVEN OUMET 29 NELL REGAN 26 LARA FORMAN 27 RAMON VALDIVIA 42 DSMC 5:18.06 BARBARA NICHOLS 39 DAVID ANDERSON 33 MAUD ORLANDO 33 RAY ORLANDO 43 AZQUA 5:21.77 MICHAEL MYERS 27 GABRIELLA ERNI 29 LORI BESTERVELT 35 PHIL DILLENBURG 37 VENICE MASTERS 5:25.15 CECILIA HENRIKSEN 28	100-119 R:WALNUT CREEK 90 4:36.14 PAM BOSCOVICH JON JAQUES KERRY O'BRIEN PAULA ROEMER OJAI SANTA BARB 5:37.96 AMI JASON 19 JENNIFER TAM 20 COREY WELLES 32	160-199 R:OLYMPIC CLUB 95 4:54.26 JAMES BEGLINGER DANIELLE OGIER MIKE KECK MARGUERITE MEYER WEST HOLLYWOOD 5:24.60 ANDREA DEVUONO 34 MARK CHATFIELD 42 PAULO FIGUEIREDO 50 JESSICA SEATON 43

# TOP TEN - LONG COURSE METERS

SAN DIEGO SWIM	5:24.99	KELLEY LEMMON		LARA FORMAN	27	RON DEGLER	58
BETSY JORDAN	59	ELSA MATTILA		STEVEN OUMET	29	JOYCE HAWORTH	58
COLIN CHINN	38	BERT KASSELL		JOHN KOCKER	41	LAKESIDE MASTER	13:00.87
NED MAGGIORA	41	NO RELAY TEAMS		LAKESIDE MASTER	11:45.63	MARY THOMAS	49
D.MORTENSEN	24	*****		MARGARET DUNCAN	34	LINDA HUBBUCH	51
MINNESOTA	5:25.04	RELAYS: MIXED 800 M. FREE		LESLIE ENANDER	35	GLENN HUBBUCH	51
PAUL WINDRATH	42	*****		MICHAEL O'TOOLE	21	THOMAS FINNEGAN	50
M.WINDRATH	43	76 - 99		DANIEL JONES	35	HEARTLAND SWIM	13:32.76
PEGGY KRATZ	36	R:DAVIS AQUATIC 94	9:13.51	LA MESA MASTERS	12:05.21	JERRY O'MARA	49
JIM BENDTSEN	42	DARREN MOUNTS		WADE WILLIFORD	26	GENE SAPPER	66
OREG	5:25.87	CHRISTINE SCHULTZ		CATHY BUKOVAC	28	CHARLOTTE COWAN	56
ROBERT SMITH	53	ERICA WOODS		ROSEMARY HUTZLEY	42	TINA DANIELS	39
ANDREE KRAKER	35	BRIAN NABETA		BYRON KONOLD	25	SANTA CRUZ	15:34.01
STEPHEN WARNER	47	NO RELAY TEAMS		VENICE MASTERS	12:44.03	LUCAS WILSON	24
SANDI ROUSSEAU	48			HEATHER JOHNSEN	28	C.CUNNINGHAM	70
O*H*I*O MASTERS	5:32.47	100-119		RAMON VALDIVIA	42	GEORGE CUNNINGHAM	71
GORDON DEMEESTER	53	R:SANTA CLARA 95	8:45.64	DAVID KOCKER	38	WENDY MILLER	42
GEORGE CYPHERS	49	ANNE WATKINS		ROBYN GARINGER	23		
ANDREA BURTON	29	LISA HAZEN					
JOANNE BOWSER	42	MIKE MOORE					
SAN MATEO	5:34.63	GREG SCHAFFER		160-199		240-279	
DON GALINE	50	DCAC	10:21.01	R:OLYMPIC CLUB 95	9:15.91	R:GOLD COAST 94	11:35.20
DICK PETERSON	59	BETHANY WILLISTON	24	MIKE KECK		ANNE MCGUIRE	
DENISE CRAWFORD	23	MARCIA CUSHING	32	MARGUERITE MEYER		JUNE KRAUSER	
DALE FINCH	46	DAVID MCNEAR	27	ROBERT STRAND		HERB KERN	
EL CERRITO/ALBA	6:07.29	DAVID CORAY	33	DANIELLE OGIER		ERNIE LESKOVITZ	
BLYTHE LUCERO	39	VENICE MASTERS	11:00.14	LAKESIDE MASTER	9:42.90	SAN DIEGO SWIM	12:55.68
MIKE WOODRUFF	50	CECILIA HENRIKSEN	28	MARY CHRIS CURL	39	BILL EARLEY	59
ALVARO PASTOR	49	STEVE LATTA	29	PAM MARTIN	38	LUNNE LUND	55
KATHLEEN SUSCO	41	NELL REGAN	26	CHUCK LAMBERT	39	BETSY JORDAN	59
SANTA CRUZ	6:59.75	CHAPPIE DEHAVEN	27	JOHN NOLAN	47	WILLIAM PHILLIPS	68
TILLIE CUNNINGHAM	70	GOLD COAST	11:25.36	DCAC	12:00.82	WALNUT CREEK	13:57.44
MARTIN LIVESEY	30	MICHELLE BEKOFF	30	LEEANN MCNERNEY	31	DON DAVIS	51
MYRNA HELICKSON	38	RACHEL TABACK	19	DAVE HILL	44	SALLY JOY	78
KEN WAGMAN	41	GLEN HANKS	25	CONSTANCE MECK	45	DONNA MONROE	62
		MARK MAHMOOD	29	ROBERT BIGELOW	42	KEN BURR	51
				GOLD COAST	12:01.51	LAKESIDE MASTER	14:20.03
200-239				JOHN COYLE	24	CAROL FERGUSON	64
R:D C MASTERS 93	5:18.22	120-159		DOUGLAS RITCHIE	49	MARY JANE MULLINS	65
LEE BETTIS		R:HEARTLAND 93	9:10.24	RORIE ANDERSON	45	ROBERT MILLER	61
JOANN LEILICH		LEE MENCH		BARBARA ALAVI	44	MARTY O'TOOLE	56
ROBERT BENNETT		LARRY TAGGESELL		CMM	13:16.62	COAST MASTERS	15:39.98
ANN LYTTLE		VICKY DAVIDSON		TERRY SUTTON	43	EMILE ACHEE	69
MICH	6:28.89	PATTY STARKS		M ERICKSON	43	MARGO BOUER	61
DONALD KROEGER	52	WALNUT CREEK	9:20.37	JOE PESCHEL	51	MAURINE KORNFELD	74
THOMAS MOYER	48	KERRY O'BRIEN	39	JOANN KLEIER	43	LOUIS GIBERSON	75
CASSANDRA GARRY	41	CHARLENE O'BRIEN	39	GOLD COAST	13:31.54		
BEVERLY MYERS	61	KAREN DUGGAN	26	DAVID ELLMAN	34	280-319	
		STEVE STAHL	31	NICK TUSSING	48	R:ST.PETE 95	14:06.13
		DAVIS AQUATIC	10:12.02	SUSAN LUDWIG	38	PAUL HUTINGER	
240-279		JON TICE	38	MARGARET CHARLTON	53	ALAN MALONEY	
R:WALNUT CREEK 92	6:07.19	ANDREA KIRSCH	33	LAKESIDE MASTER	15:20.72	FLORENCE CARR	
DON BROWN		ANIETTA TICE	35	BARB BANASZYNSKI	48	KAY SCHIMPF	
ANN PISCIOTTA		BRANDON CARTER	25	LISA STEARNS	38	WALNUT CREEK	17:44.85
STAN MORNER		SANTA CRUZ	10:12.21	DEBBIE UTZ	43	JEAN DURSTON	82
BETTY BARABASH		CINDY HERTZER	27	SUE JEWELL	54	MARY JANE REEVES	79
HEARTLAND SWIM	7:15.93	KEN WAGMAN	41			BILL JOHNSTON	78
MARILYN RAMEY	56	LISA RULISON	42			BOB STRINGHAM	77
GENE SAPPER	66	DAN WIRLS	36	200-239			
JERRY O'MARA	49	SANTA CRUZ	10:16.03	R:SAN DIEGO 93	10:55.90	320-359	
NANCY REED	69	AMY RADOVAN	27	BILL EARLEY		R:SAN MATEO 94	17:09.50
		ANN HEMINGTON	34	BETSY JORDAN		AUDREY ETIENNE	
280-319		IAN HARPER	28	KARLYN PIPES		JOSEPH KAUFMAN	
R:ST.PETE 95	7:16.12	JOHNSULTAN	49	DONALD BAKER		HELEN ROUMASSET	
PAUL HUTINGER		LAKESIDE MASTER	10:41.49	GOLD COAST	11:08.87	RAYMOND TAFT	
ALAN MALONEY		JOHN GLEASON	37	CAV CAVANAUGH	60	NO RELAY TEAMS	
FLORENCE CARR		SUSAN AUGUSTUS	29	DEBBIE CAVANAUGH	38		
KAY SCHIMPF		DAVID BUTTERY	37	B.EDELMAIER	49		
SAN MATEO	8:05.80	CAROLINE DONNELLY	34	WILLIAM QUALE	54		
ZADA TAFT	77	ALHAMBRA MASTER	10:59.03	MICH	11:31.70		
ROGER CAMPBELL	66	WENDY STONESIFER	37	CASSANDRA GARRY	41		
BILL STEUART	59	RAYMON SCHWANTNER	35	BEVERLY MYERS	61		
AUDREY ETIENNE	79	SUSAN HUMMER	26	THOMAS MOYER	48		
		BILL DARBY	49	DONALD KROEGER	52		
320-359		VENICE MASTERS	11:34.97	DAVIS AQUATIC	12:41.67		
R:D C MASTERS 93	8:52.61	TERI ELLIS	28	EMORY HAWORTH	60		
ANNE WALKER				ANDREA KIRSCH	33		

# USMS TOP 10 SHORT COURSE YARDS ERRATA FOR 1995 - 1996

200 YD. BACK WOMEN 19-24	2:05.88 JASON LINDO 22	C.FLORKOWSKI 28	*****
2:11.80 TATE BIRNIE 21	2:06.51 STEVE SAKADALES 23	STAN 4:24.04	25 +
2:14.45 ALISON ECKENROAD 19	50 YD. FREE M E N 30-34	C.CHICHESTER 32	MESC 3:21.68
2:14.92 KATHLEEN HARTNETT 24	20.33 STEPHEN CROCKER 33	CHRISTINA WONG 23	JAY MORRISSETTE 32
2:15.20 S. HUTCHERN 24	21.17 DOUGLAS BOYD 31	JANE WORDEN 31	MARK REEVES 26
2:16.74 MARCIANN BODNER 23	21.46 CARR PHILLIPS 30	KANA SHIBUYA 23	TIM SHERIDAN 30
2:19.18 LAURA BORGELT 23	21.46 ANDERS RASMUSSEN 32	FCMC 4:35.10	PAT KEATING 31
2:20.05 JENNIFER KENYON 23	21.47 MARK NOETZEL 33	MARY LEE 26	WCM 3:26.10
2:20.27 JERI RAMSBOTTOM 24	21.66 C.CAVANAUGH 33	AMY NOGA 24	STEVE STAHL 31
2:22.69 JENNIFER SEE 23	21.80 JAY MORRISSETTE 32	STEPHANIE BEISER 26	GREG REMMERT 33
2:22.69 SARAH HOWERTON 24	21.81 JOE REINHARDT 34	SIONAINN MURCOUX 23	TERRY DIXON 30
1650 YD. FREE WOMEN 25-29	21.81 PAT KEATING 31	DAM 4:39.26	JOHN SCHWENGER 30
17:39.32 ALISON ZAMANIAN 25	21.85 RANDY COX 33	TATE BIRNIE 21	EMP 3:35.08
18:10.63 DONNA JOHNSON 28	100 YD. FREE M E N 30-34	JENNY LUNDMARK 29	M RITTER 32
18:23.76 JOANNA ZEIGER 25	45.06 STEPHEN CROCKER 33	ANNETTA TICE 32	TIMOTHY HYNES 30
18:39.29 NANCY NORTH 27	45.57 DOUGLAS BOYD 31	JENNIFER COLLINS 27	JOHN NEEDHAM 42
18:50.97 S BARTHOLOMEW 26	46.76 MICHAEL GREEN 32	FCMC 4:47.46	STEVEN FISHER 33
18:59.13 BROOKE BOWMAN 29	46.79 ANDERS RASMUSSEN 32	SARAH EASTERLING 34	SCSM 3:35.93
19:09.53 GILLIAN FUCIGNA 28	46.85 C.CAVANAUGH 33	CANDICE CHAM 23	MIKE MOORE 33
19:18.87 SAMANTHA ROYER 25	47.41 STEPHEN STAHL 31	KAT TRIGG 25	DREW HALE 27
19:29.71 JENNIFER BROWN 29	47.53 CARR PHILLIPS 30	ELKE HOFFMAN 24	TOM ARNOLD 41
19:56.49 MICHELLE FRINK 25	47.86 THOMAS REDIG 34	NEM 4:51.33	BOB DUGAN 33
50 YD. FREE WOMEN 40-44	47.91 STEVEN ENNIS 32	MELISSA BRAISTED 24	ART 3:37.11
24.29 S.NEILSON-BELL 40	47.92 JAY MORRISSETTE 32	PAM ANDERSON 23	JOHN BROWN 30
25.12 LAURA VAL 44	50 YD. BACK M E N 45-49	LISA NATKIN 24	JOE MCGINNIS 28
25.70 JANE ZIEGLER 42	26.04 PETER O'KEEFFE 45	COLLEEN CROSSMAN 23	SEAN FITZGERALD 32
25.71 NANCY FISHER 44	26.44 ANDREW MCPHERSON 49	USF 4:52.71	CHRISTOPHER LEE 29
25.74 JOEL FELDMANN 44	27.11 DICK THOMAS 48	K.LINECKI 32	MINN 3:38.19
26.21 C.STONESIFER 43	27.44 HUGH WILDER 48	CATHY SOLOMON 28	PAUL WINDRATH 42
26.22 JO MOORE 41	27.53 JOHN PHILLIPS 49	BRENDA CEDRA 19	JOE VRUDNY 31
26.32 DANIELLE OGIER 43	27.57 DAN ROGACKI 48	JULIA VINALL 27	ROBERT THOMPSON 27
26.68 LO KNAPP 41	27.59 WILLIAM TINGLEY 45	MARY 4:53.99	ERIK MINGE 28
26.75 KARLENE WISE 42	27.79 WILLIAM DORNEY 48	CAROL WESTCOTT 30	MARY 3:38.89
100 YD. I.M. WOMEN 75-79	27.81 JERRY HEIDENREICH 46	ANN MCCORMAC 32	RICK SHINNICK 29
1:52.32 GERTRUD ZINT 78	27.90 TOD SPIEKER 47	SARAH HOWERTON 24	AARON THOMPSON 27
1:58.31 RITA EVANS 76	50 YD. BRST M E N 45-49	GAIL KROVITZ 24	KEN STONEY 32
1:58.69 AUDREY ETIENNE 79	28.60 PAUL HENNE 49	25 +	ED LINGELBACH 26
2:01.73 KAY SCHIMPF 78	29.34 DON MCKENZIE 49	WCM 4:23.06	1776 3:42.52
2:04.28 SALLY JOY 78	30.02 ANDREW MENZIE 46	PAM BOSCOVICH 33	WARREN FISHER 40
2:06.54 BETTY BRERETON 77	30.07 PEDER DAHLBERG 45	PENNY LEACH 33	HERB MERKERT 31
2:07.79 JEAN ZULICH 75	30.07 DANIEL ROGACKI 48	CAREN MCNAMARA 34	DANIEL ALLEN 34
2:08.28 AGOTA FROHS 75	30.12 WAYNE MCCAULEY 47	PAULA ROEMER 34	HENRY DETERING 50
2:11.86 FRAN ZEUMER 76	30.26 PAUL MENYHARTH 49	EMP 4:23.29	WCM 3:42.61
2:12.16 BETTY KENDALL 75	30.46 STEVE HECK 46	KAREN FARNSWORTH 39	PAT OWENS 33
100 YD. FREE M E N 19-24	30.58 TERRENCE LEE 46	CHERYL BARANY 31	TODD HAVERSON 27
46.61 CHRISTOPHER ROAT 21	30.62 MAL JESTER 47	MARGARET MONTESI 31	KEVIN PONTI 27
46.63 GARY HALL JR. 21	50 YD. FREE M E N 60-64	ROBERTA BERNET 29	TODD BAILEY 25
46.80 DWIGHT FENTON 24	24.66 BOB BAILIE 60	USF 4:32.02	SCAM 3:44.13
47.74 NICK O'HARE 23	25.22 CAV CAVANAUGH 60	DEA FREDERIC 33	PAUL ENDRES 32
47.77 BRAD WINSOR 24	25.95 DAVID COSTILL 60	KAREN BIRD 32	ERIC SEWARD 34
48.65 JASON BAKER 24	26.13 RONALD JOHNSON 64	NATALIE EFFA 28	PAUL JOHN 32
48.72 CASEY PEARCE 24	26.44 RICHARD HANLEY 60	SARAH QUICK 32	E.PIETERS-KWEIRS 33
48.89 DANIEL WEGNER 24	26.48 DAVID RADCLIFF 61	MAM 4:43.15	55 +
48.96 ROSS FELDMAN 23	26.49 JACK BEATTIE 61	RUTH SHAPS 48	NCAM 4:16.34
49.08 CHRIS BARRETT 24	26.77 PETER TAFT 60	MICHELLE LEARY 29	ROLFFS PINKERTON 56
200 YD. FREE M E N 19-24	26.84 GEORGE THAYER 60	SUZANNE DIVELBISS 30	JOHN KORTHEUER 64
1:41.34 BRAD WINSOR 24	26.95 SID HALL 60	LAURA BROWN 30	DICK WEBBER 66
1:43.58 CHRISTOPHER ROAT 21	*****	TAM 4:52.67	JERRY CLARK 58
1:46.29 PAUL FRANCO 22	RELAYS: WOMEN 400 YD. MEDLEY	DIANE GARCIA 44	WCM 4:38.60
1:46.85 K.PAOMAHANAKA 19	*****	THERESA OWEN 38	STAN PEDDER 61
1:46.87 CHRIS BARRETT 24	19 +	KATIE KELLY 26	STAN MORNER 60
1:47.04 NICK O'HARE 23	WCM 4:14.52	CINDY CLEMENTS 34	BOB NOOTBAR 60
1:47.14 LUKE WILLIAMS 23	KATHLEEN HARTNETT 23	STAN 5:18.13	DON BROWN 63
1:49.28 ERIC PETERSON 24	SUSAN GARDENAL 31	WENDY SIMMONS 34	AAM 5:13.29
1:49.40 STEVEN SAKADALES 23	ANN OEBERG 23	DANIELLE BARNEA 52	H. NADIG 58
1:49.48 DANIEL WEGNER 24	SUSAN STRONG 24	SYLVIE GALERNEAU 35	R. HEMEON 65
200 YD. I.M. M E N 19-24	USF 4:17.29	MARY HULL 31	J. STROM 68
1:58.01 TODD RADEL 23	JILL ROTHKOPF 29	NASTI 6:26.96	B. PATTERSON 63
1:59.25 BRAD WINSOR 24	YASMIN ANWAR 23	JULIE BICKEL 34	SWOM 5:18.77
2:01.22 CHRIS REDDAM 23	CORY MACKIE 32	LESLIE SLUTZ 36	ROBERT KOENIG 58
2:01.79 K.PAOMAHANAKA 19	L.CLAVEDETCHER 25	DIANE SIDNER 35	DICK CHISHOLM 61
2:02.85 C.BENEDICK 24	USF 4:20.19	LISA WRIGHT 38	JAMES GARVIN 61
2:04.07 CHRIS BARRETT 24	KRISTA KENNEL 23	*****	FRANK SAMOYA 70
2:04.97 DANIEL WEGNER 24	JENNIFER COLLINS 24	RELAYS: M E N 400 YD. FREE	GRIN 7:29.36
2:05.36 JACK THOMAS 24	PAMELA FRANKLIN 26		

PHIL WHEELER	70
IRVING HEATH	77
AL EBBINGHAUS	71
JERRY MYERS	57

\*\*\*\*\*  
RELAYS: MIXED 400 YD. FREE  
\*\*\*\*\*

19 +	
USF	3:25.18
ROMAN KOTLYAR	19
SARAH QUICK	32
NATALIE EFFA	28
DOUGLAS DAWKINS	33
TOC	3:30.56
SHARON SCOTT	24
LORETTA SOFFE	29
GREG LARSON	26
JAMIE PATRICK	25
STAN	3:35.44
CARR PHILLIPS	30
HEATHER MARKS	24
C.CHICESTER	32
CHRIS ROAT	21
USF	3:35.72
DWIGHT FENTON	24
JENNIFER COLLINS	24
KENNEL KRISTA	23
K. PAOMAHANAKA	19
DAM	3:36.31
TATE BIRNIE	21
CHRISSY SCHULTZ	24
MATT GRAHN	23
BRAD WINSOR	24
WCM	3:36.50
ANNE OBERG	24
CHRIS REDDEM	23
JEFF RODGERS	29
KATHLEEN HARTNET	23
WCM	3:39.55
PENNY LEACH	33
VINCENT LANE	25
SUSAN STRONG	24
GARY PATTERSON	36
FMC	3:43.08
SCOTT WILLIAMS	40
STEPHANIE BEISER	27
SIONAINN MARCOUX	24
JOCK PATTERSON	28
STAN	3:51.64
JUDY HELLER	40
CHRISTINA WONG	21
ALEX KASAKS	23
PETER SKINNER	40
LOST	3:52.95
MOLLY BERNHART	22
DAVE MOXNESS	23
JENNIFER WILSON	23
BRIAN TOBIN	24

# WORLD RECORDS SHORT COURSE METERS (as of 11-1-96)

WRL SCM RECORDS AS OF 11-01-96										
***** M E N *****					***** W O M E N *****					
***** 25-29 *****					***** 30-34 *****					
Time	Date	Country	Name	Age	Time	Date	Country	Name	Age	
22.48	12-04-93	USA	ROBERT PEEL	50	M.	FREE	USA	DYNE BURRELL	03-31-96	26.64
49.91	12-10-95	USA	BJORN ZIKARSKY	100	M.	FREE	USA	SHEILA TAORMINA	03-31-96	56.30
1:48.81	12-10-95	USA	JOHN KEPPELER	200	M.	FREE	USA	SHEILA TAORMINA	03-31-96	1:59.78
3:59.78	10-17-93	GBR	GAVIN LILLEY	400	M.	FREE	USA	SHEILA TAORMINA	03-31-96	4:24.18
8:29.19	- -92	SWE	T LENNARTSSON	800	M.	FREE	USA	SHEILA TAORMINA	03-31-96	8:51.18
16:23.21	04-11-92	USA	ROB MACKLE	1500	M.	FREE	USA	SHEILA TAORMINA	03-31-96	16:36.07
25.43	10-16-94	GBR	MARTIN HARRIS	50	M.	BACK	USA	DIANE GRANER	10-15-89	30.63
54.82	11-12-94	GBR	MARTIN HARRIS	100	M.	BACK	USA	DIANE GRANER	10-15-89	1:04.66
2:01.78	10-16-94	GBR	MARTIN HARRIS	200	M.	BACK	NED	J.DE ROVER	- -92	2:17.86
28.81	- -90	AUS	GUY FARROW	50	M.	BRST	NED	RIA WILLEMSE	- -90	33.60
1:04.49	- -91	NED	FRANK VIJVER	100	M.	BRST	NED	RIA WILLEMSE	- -90	1:13.60
2:24.02	06-24-94	USA	CHRIS GRINDER	200	M.	BRST	USA	LOUISE KEOGH	04-23-94	2:40.90
25.40	03-24-96	SWE	JONAS AKESSON	50	M.	FLY	USA	SHEILA TAORMINA	03-31-96	28.68
56.11	10-15-95	USA	MARTIN HERRMANN	100	M.	FLY	USA	SHEILA TAORMINA	03-31-96	1:01.33
2:05.97	10-17-93	GBR	GAVIN LILLEY	200	M.	FLY	AUS	S. PALMER-WHITE	- -91	2:17.13
56.90	11-12-94	GBR	MARTIN HARRIS	100	M.	I.M.	NZL	MONIQUE RODAHL	06-04-89	1:06.84
2:05.93	12-10-95	USA	JOHN KEPPELER	200	M.	I.M.	USA	DIANE GRANER	10-15-89	2:24.07
4:26.79	12-10-95	USA	JOHN KEPPELER	400	M.	I.M.	AUS	S. PALMER-WHITE	- -91	5:06.88
***** M E N *****					***** W O M E N *****					
***** 30-34 *****					***** 35-39 *****					
22.82	10-15-89	JPN	ROWDY GAINES	50	M.	FREE	USA	ANNA PETTIS-SCOTT	04-17-93	26.46
50.51	10-15-89	JPN	ROWDY GAINES	100	M.	FREE	USA	SANDY NEILSON	05-16-88	57.35
1:50.91	10-15-89	JPN	ROWDY GAINES	200	M.	FREE	USA	K PIPES-NEILSEN	12-10-95	2:06.10
3:59.83	06-24-94	USA	BRUCE HAYES	400	M.	FREE	USA	K PIPES-NEILSEN	03-17-96	4:24.82
8:19.44	06-24-94	USA	BRUCE HAYES	800	M.	FREE	USA	K PIPES-NEILSEN	09-22-96	9:08.34
16:21.25	06-24-94	USA	BRUCE HAYES	1500	M.	FREE	USA	KAREN BURTON	12-11-94	17:23.60
26.58	04-16-94	USA	JAY YARID	50	M.	BACK	USA	K PIPES-NEILSEN	12-10-95	30.90
56.83	11-27-93	USA	JAY YARID	100	M.	BACK	USA	K PIPES-NEILSEN	12-10-95	1:03.96
2:04.63	11-27-93	USA	JAY YARID	200	M.	BACK	USA	K PIPES-NEILSEN	12-10-95	2:17.31
29.34	06-24-94	USA	DEAN PUTTERMAN	50	M.	BRST	GBR	SUKI BROWNSDON	10-28-95	33.13
1:04.23	01-09-94	NED	FRANK VIJVER	100	M.	BRST	GBR	SUKI BROWNSDON	10-27-95	1:11.81
2:24.52	05-22-95	CAN	SERGE SCORE	200	M.	BRST	GBR	SUKI BROWNSDON	10-28-95	2:40.51
25.06	04-09-89	USA	MICHAEL BOTTOM	50	M.	FLY	GBR	SUKI BROWNSDON	10-27-95	29.33
54.82	05-19-96	JPN	HIROSHI MIURA	100	M.	FLY	USA	K PIPES-NEILSEN	12-10-95	1:03.83
2:05.73	07-20-96	GBR	IAN BECK	200	M.	FLY	USA	K PIPES-NEILSEN	12-10-95	2:21.20
57.84	05-19-96	JPN	HIROSHI MIURA	100	M.	I.M.	USA	K PIPES-NEILSEN	12-10-95	1:05.16
2:09.01	10-22-95	USA	JEROME FRENTSOS	200	M.	I.M.	USA	K PIPES-NEILSEN	12-10-95	2:20.90
4:33.17	10-22-95	USA	JEROME FRENTSOS	400	M.	I.M.	USA	K PIPES-NEILSEN	12-10-95	4:56.90
***** M E N *****					***** W O M E N *****					
***** 35-39 *****					***** 40-44 *****					
23.80	12-11-94	USA	BRUCE STAHL	50	M.	FREE	USA	S. NEILSON-BELL	11-19-95	26.13
52.64	10-02-94	AUS	MARK MORGAN	100	M.	FREE	USA	S. NEILSON-BELL	12-03-94	57.71
1:57.08	10-02-94	AUS	MARK MORGAN	200	M.	FREE	USA	S. NEILSON-BELL	06-25-95	2:07.58
4:14.98	03-31-96	SUI	JAMES FURRER	400	M.	FREE	USA	BETH KNIGHT	11-06-94	4:33.17
8:44.90	03-31-96	SUI	JAMES FURRER	800	M.	FREE	USA	BETH KNIGHT	12-11-94	9:24.81
17:06.28	04-10-94	NOR	ARNE BORGSTROM	1500	M.	FREE	USA	BETH KNIGHT	12-11-94	17:43.10
26.84	03-23-96	USA	CLAY BRITT	50	M.	BACK	USA	LAURA VAL	10-06-91	32.50
58.25	03-23-96	USA	CLAY BRITT	100	M.	BACK	GER	KARIN SEICK	05-05-96	1:10.30
2:10.01	10-10-93	USA	WILLIAM SPECHT	200	M.	BACK	USA	KATHERINE BRANCH	03-26-94	2:31.78
30.10	04-18-93	GER	GLEN CHRISTIANSEN	50	M.	BRST	USA	LESLIE OSBORNE	10-15-89	34.63
1:06.55	04-28-96	CAN	SERGE SCORE	100	M.	BRST	USA	LESLIE OSBORNE	10-15-89	1:16.70
2:22.64	04-27-96	CAN	SERGE SCORE	200	M.	BRST	USA	LESLIE OSBORNE	10-15-89	2:50.93
25.89	10-10-93	USA	WILLIAM SPECHT	50	M.	FLY	USA	LAURA VAL	10-06-91	30.05
57.02	10-10-93	USA	WILLIAM SPECHT	100	M.	FLY	USA	MARIA VELIKONJA	03-27-93	1:07.28
2:06.48	10-09-94	USA	WILLIAM SPECHT	200	M.	FLY	USA	LAURA VAL	10-20-91	2:28.96
1:00.79	03-21-92	USA	RICHARD HESS	100	M.	I.M.	USA	S. NEILSON-BELL	03-21-92	1:08.15
2:14.75	04-24-94	USA	MATT CLARK	200	M.	I.M.	USA	S. NEILSON-BELL	11-07-95	2:29.95
4:45.60	12-10-95	USA	MIKE KECK	400	M.	I.M.	USA	BETH KNIGHT	12-11-94	5:23.30
***** M E N *****					***** W O M E N *****					
***** 40-44 *****					***** 45-49 *****					
24.42	04-09-95	USA	CHARLES NORELLI	50	M.	FREE	USA	LAURA VAL	10-15-95	27.74
53.25	12-11-95	USA	RICK ABBOTT	100	M.	FREE	USA	LAURA VAL	11-14-93	1:00.68
1:57.83	06-25-95	USA	HESS YNTEMA	200	M.	FREE	USA	LAURA VAL	12-10-95	2:14.14
4:09.31	06-25-95	USA	HESS YNTEMA	400	M.	FREE	USA	LAURA VAL	12-10-95	4:42.94
8:49.83	06-25-95	USA	HESS YNTEMA	800	M.	FREE	USA	BARBARA DUNBAR	02-10-91	10:04.16
16:51.71	06-25-95	USA	HESS YNTEMA	1500	M.	FREE	USA	BARBARA DUNBAR	02-04-90	19:00.81
28.77	03-18-95	GER	LACI PERENYI	50	M.	BACK	USA	LAURA VAL	11-14-93	31.55
1:03.16	12-10-95	USA	CLAY EVANS	100	M.	BACK	USA	LAURA VAL	10-15-95	1:10.45
2:16.72	05-22-95	CAN	JOHN MARCH	200	M.	BACK	USA	LAURA VAL	12-10-95	2:34.04
30.80	10-10-93	USA	C MILTENBERGER	50	M.	BRST	JPN	NAOMI HEIMBACH	05-19-96	36.22
1:07.98	10-10-93	USA	C MILTENBERGER	100	M.	BRST	GER	ULRIKE URBANIAK	11-18-95	1:19.88
2:31.37	01-23-93	USA	GREGORY HARRISON	200	M.	BRST	USA	GAYLE BENTY	11-15-92	2:54.12
26.35	12-11-95	USA	RICK ABBOTT	50	M.	FLY	USA	LAURA VAL	10-15-95	30.17
58.87	06-25-95	USA	HESS YNTEMA	100	M.	FLY	USA	LAURA VAL	11-14-93	1:06.86
2:09.09	06-25-95	USA	HESS YNTEMA	200	M.	FLY	USA	LAURA VAL	11-14-93	2:29.19
1:02.30	10-15-89	USA	RIC COOLEY	100	M.	I.M.	USA	LAURA VAL	09-12-92	1:11.65
2:15.28	06-25-95	USA	HESS YNTEMA	200	M.	I.M.	USA	LAURA VAL	11-15-92	2:33.89
4:43.28	06-25-95	USA	HESS YNTEMA	400	M.	I.M.	USA	LAURA VAL	11-15-92	5:32.53

# WORLD RECORDS SHORT COURSE METERS (as of 11-1-96)

*****		M E N	*****			45-49	*****			W O M E N	*****	
24.70	01-07-95	NED	JAN KOEN ANTHONI	50	M.	FREE	CONNOR BOER-BUYS	NED	01-28-96	29.49		
54.64	09-08-95	RSA	TERRY DOWNES	100	M.	FREE	CONNOR BOER-BUYS	NED	11-19-95	1:04.66		
2:01.93	12-10-95	USA	JIM MCCONICA	200	M.	FREE	BARBARA DUNBAR	USA	11-06-94	2:22.24		
4:29.82	- -91	BAR	ANGUS EDGHILL	400	M.	FREE	BARBARA DUNBAR	USA	11-06-94	4:56.49		
9:02.36	12-10-95	USA	JIM MCCONICA	800	M.	FREE	BARBARA DUNBAR	USA	03-17-96	10:09.82		
18:10.24	- -91	BAR	ANGUS EDGHILL	1500	M.	FREE	BARBARA DUNBAR	USA	10-27-96	19:14.97		
29.33	03-12-89	USA	ROBERT SMITH	50	M.	BACK	NANCY FISHER	USA	02-18-96	33.11		
1:04.94	12-10-95	USA	PETER O'KEEFFE	100	M.	BACK	CECILIA MCCLOSKEY	USA	05-21-96	1:12.89		
2:21.61	12-10-95	USA	PETER O'KEEFFE	200	M.	BACK	NANCY FISHER	USA	02-18-96	2:37.35		
31.83	10-15-95	USA	ROBERT STRAND	50	M.	BRST	BEA POOL	NED	02-12-94	37.54		
1:09.44	12-10-95	USA	ROBERT STRAND	100	M.	BRST	CAROLYN BOAK	USA	11-15-92	1:23.49		
2:34.41	12-10-95	USA	ROBERT STRAND	200	M.	BRST	GINGER PIERSON	USA	05-22-95	3:03.73		
27.08	04-17-93	USA	DAN THOMPSON	50	M.	FLY	CONNOR BOER-BUYS	NED	11-19-95	32.24		
1:02.12	12-10-95	USA	ANDREW MCPHERSON	100	M.	FLY	BARBARA DUNBAR	USA	06-12-94	1:12.53		
2:23.40	12-11-94	USA	FRED SCHLICHER	200	M.	FLY	ARDETH MUELLER	USA	12-12-87	2:37.88		
1:04.80	11-06-94	USA	ANDREW MCPHERSON	100	M.	I.M.	ARDETH MUELLER	USA	10-03-87	1:14.41		
2:23.69	12-11-94	USA	STEVE HECK	200	M.	I.M.	ARDETH MUELLER	USA	10-03-87	2:42.88		
5:12.41	05-23-93	RUS	NIKOLAEV JURIY	400	M.	I.M.	BARBARA DUNBAR	USA	04-09-95	5:50.45		
*****												
*****		M E N	*****			50-54	*****			W O M E N	*****	
26.35	-88-94	USA	FARRELL/LODWIG	50	M.	FREE	SUSANA BARKLEY	ESP	05-14-95	30.30		
58.39	11-06-94	USA	KEEFE LODWIG	100	M.	FREE	ARDETH MUELLER	USA	10-06-91	1:06.41		
2:10.54	12-10-95	USA	TIM BIRNIE	200	M.	FREE	ARDETH MUELLER	USA	12-07-91	2:27.95		
4:36.29	05-24-96	BAR	ANGUS EDGHILL	400	M.	FREE	ARDETH MUELLER	USA	10-06-91	5:12.43		
9:28.84	05-24-96	BAR	ANGUS EDGHILL	800	M.	FREE	SUZANNE DILLS	USA	05-22-95	11:12.04		
18:32.56	10-16-94	GBR	SANDY GALLETTY	1500	M.	FREE	CAROLYN BOAK	USA	10-15-95	21:22.26		
30.14	06-26-94	USA	ROBERT SMITH	50	M.	BACK	SATOKO TAKEUJI	JPN	05-21-95	35.55		
1:06.23	12-10-95	USA	TIM BIRNIE	100	M.	BACK	SATOKO TAKEUJI	JPN	05-16-93	1:19.17		
2:28.54	12-10-95	USA	TIM BIRNIE	200	M.	BACK	ARDETH MUELLER	USA	12-07-91	2:48.88		
33.09	- -90	JPN	HIROSHI KOTEGAWA	50	M.	BRST	ERNA LOSKAMP	NED	- -92	38.82		
1:14.72	10-15-89	USA	DRURY GALLAGHER	100	M.	BRST	ERNA LOSKAMP	NED	- -92	1:25.73		
2:45.11	10-15-89	USA	DRURY GALLAGHER	200	M.	BRST	DIANE FORD	GBR	10-17-93	3:06.63		
28.65	05-16-93	JPN	KOJI IWAMOTO	50	M.	FLY	DIANA TODD	USA	12-11-94	33.85		
1:05.10	05-16-93	JPN	KOJI IWAMOTO	100	M.	FLY	ARDETH MUELLER	USA	10-06-91	1:12.66		
2:29.99	01-15-93	JPN	KOJI IWAMOTO	200	M.	FLY	ARDETH MUELLER	USA	12-09-95	2:55.91		
1:07.60	10-15-89	USA	DRURY GALLAGHER	100	M.	I.M.	CAROL FELLOWS	GBR	03-31-96	1:18.03		
2:26.64	03-23-96	USA	JOHN CLAVERT	200	M.	I.M.	BRIGITTE MERTEN	GER	10-06-96	2:52.61		
5:19.87	10-16-94	GBR	SANDY GALLETTY	400	M.	I.M.	ARDETH MUELLER	USA	12-07-91	5:56.24		
*****												
*****		M E N	*****			55-59	*****			W O M E N	*****	
26.60	10-15-89	USA	DONALD HILL	50	M.	FREE	JAYNE BRUNER	USA	10-15-89	31.83		
1:00.08	10-15-89	USA	DONALD HILL	100	M.	FREE	YOSHIKO OSAKI	JPN	11-03-94	1:11.18		
2:17.95	02-07-93	JPN	KAZUYA NISHINO	200	M.	FREE	YOSHIKO OSAKI	JPN	10-31-93	2:34.77		
4:54.09	12-10-95	USA	DRURY GALLAGHER	400	M.	FREE	LAVELLE STOINOFF	USA	03-12-89	5:34.32		
10:12.80	12-10-95	USA	DRURY GALLAGHER	800	M.	FREE	YOSHIKO OSAKI	JPN	04-29-96	11:24.24		
19:45.72	10-30-94	USA	DAVID HARRISON	1500	M.	FREE	LAVELLE STOINOFF	USA	03-12-89	21:35.84		
32.40	10-03-93	GBR	GRAHAM SYKES	50	M.	BACK	MARGARET WILDING	GBR	05-14-94	37.10		
1:10.88	10-23-94	NZL	BARRY YOUNG	100	M.	BACK	BETSY JORDAN	USA	06-13-92	1:21.90		
2:33.21	10-23-94	NZL	BARRY YOUNG	200	M.	BACK	BETSY JORDAN	USA	10-17-92	3:00.66		
33.17	05-09-93	JPN	HIROSHI KOTEGAWA	50	M.	BRST	JAYNE BRUNER	USA	11-10-91	40.69		
1:16.32	06-04-88	USA	MANUEL SANGUILY	100	M.	BRST	FLORA CONNOLLY	GBR	- -90	1:28.13		
2:49.96	12-10-95	USA	DRURY GALLAGHER	200	M.	BRST	FLORA CONNOLLY	GBR	- -90	3:12.85		
30.05	05-19-96	JPN	CHITOSHI KONISHI	50	M.	FLY	YOSHIKO OSAKI	JPN	04-29-94	36.10		
1:09.63	11-14-93	USA	ROBERT PROEBSTING	100	M.	FLY	YOSHIKO OSAKI	JPN	04-29-94	1:22.22		
2:42.05	11-14-93	USA	ROBERT PROEBSTING	200	M.	FLY	YOSHIKO OSAKI	JPN	05-28-95	3:09.43		
1:10.34	04-28-96	CAN	JACK KELSO	100	M.	I.M.	YOSHIKO OSAKI	JPN	05-28-95	1:21.25		
2:34.42	05-22-95	CAN	JACK KELSO	200	M.	I.M.	YOSHIKO OSAKI	JPN	05-16-93	2:57.53		
5:30.62	12-10-95	USA	DRURY GALLAGHER	400	M.	I.M.	FLORA CONNOLLY	GBR	- -90	6:36.03		
*****												
*****		M E N	*****			60-64	*****			W O M E N	*****	
27.32	06-25-95	USA	BOB BAILIE	50	M.	FREE	JAYNE BRUNER	USA	12-03-95	33.07		
1:01.96	06-25-95	USA	BOB BAILIE	100	M.	FREE	JAYNE BRUNER	USA	03-23-96	1:13.50		
2:21.31	06-25-95	USA	GRAHAM JOHNSTON	200	M.	FREE	LAVELLE STOINOFF	USA	03-14-93	2:39.93		
4:56.69	06-25-95	USA	GRAHAM JOHNSTON	400	M.	FREE	LAVELLE STOINOFF	USA	03-14-93	5:38.06		
10:27.62	06-25-95	USA	GRAHAM JOHNSTON	800	M.	FREE	LAVELLE STOINOFF	USA	03-14-93	11:30.55		
19:48.44	06-25-95	USA	GRAHAM JOHNSTON	1500	M.	FREE	LAVELLE STOINOFF	USA	11-20-94	22:54.51		
34.05	10-09-94	USA	JACK BEATTIE	50	M.	BACK	CLARA WALKER	USA	10-15-89	39.60		
1:13.55	10-09-94	USA	JACK BEATTIE	100	M.	BACK	CLARA WALKER	USA	10-15-89	1:29.13		
2:40.75	10-09-94	USA	JACK BEATTIE	200	M.	BACK	LAVELLE STOINOFF	USA	05-22-95	3:10.79		
34.41	05-12-96	JPN	HIROSHI KOTEGAWA	50	M.	BRST	JAYNE BRUNER	USA	03-23-96	41.74		
1:19.82	05-28-95	JPN	AKIO SUGIYAMA	100	M.	BRST	FLORA CONNOLLY	GBR	04-23-94	1:32.12		
2:57.08	10-28-95	GBR	THOMAS WALKER	200	M.	BRST	FLORA CONNOLLY	GBR	04-23-94	3:19.67		
30.34	11-05-95	USA	BOB BAILIE	50	M.	FLY	HISAKO SATO	JPN	05-12-96	38.27		
1:16.56	- -86	GBR	JACK HALE	100	M.	FLY	HAIKE HOLER	GER	10-06-96	1:29.15		
3:00.10	04-23-95	GER	WERNER MULLER	200	M.	FLY	FLORA CONNOLLY	GBR	04-23-94	3:17.00		
1:15.25	02-04-96	JPN	MASAYASU TANEIKE	100	M.	I.M.	JAYNE BRUNER	USA	03-23-96	1:26.42		
2:46.69	08-11-91	USA	GRAHAM JOHNSTON	200	M.	I.M.	FLORA CONNOLLY	GBR	11-12-94	3:11.59		
6:02.73	07-18-93	USA	GRAHAM JOHNSTON	400	M.	I.M.	JUDIE OLIVER	CAN	05-25-92	6:50.55		

# WORLD RECORDS SHORT COURSE METERS (as of 11-1-96)

*****		M E N		*****		65-69		*****		W O M E N		*****	
29.25	05-12-96	JPN	SHINGO YAMAMOTO	50	M.	FREE	ODETTE LUSIEN	FRA	06-26-93	34.38			
1:02.77	01-28-96	ESP	ROBERTO ALBERICHE	100	M.	FREE	JANE ASHER	GBR	03-31-96	1:17.12			
2:22.13	01-28-96	ESP	ROBERTO ALBERICHE	200	M.	FREE	JANE ASHER	GBR	05-12-96	2:51.30			
5:12.30	06-02-96	USA	GRAHAM JOHNSTON	400	M.	FREE	JANE ASHER	GBR	05-12-96	6:00.99			
10:35.13	06-02-96	USA	GRAHAM JOHNSTON	800	M.	FREE	CLARA WALKER	USA	12-13-92	12:35.26			
19:53.18	06-02-96	USA	GRAHAM JOHNSTON	1500	M.	FREE	CLARA WALKER	USA	12-13-92	23:38.44			
35.61	10-10-93	USA	PAUL HUTINGER	50	M.	BACK	DORIS STEADMAN	USA	10-15-89	40.48			
1:19.07	04-17-94	USA	ROGER FRANKS	100	M.	BACK	DORIS STEADMAN	USA	10-15-89	1:30.41			
2:50.75	06-09-96	AUS	BOB BARRY	200	M.	BACK	DORIS STEADMAN	USA	10-15-89	3:15.72			
36.33	01-28-96	CAN	NICK TEMPLEMAN	50	M.	BRST	EDITH BOHM	GER	05-08-94	44.61			
1:21.34	01-28-96	CAN	NICK TEMPLEMAN	100	M.	BRST	GAIL ROPER	USA	10-28-95	1:41.41			
3:06.13	03-03-96	CAN	NICK TEMPLEMAN	200	M.	BRST	GAIL ROPER	USA	09-17-95	3:41.93			
32.80	03-10-96	JPN	HITOSHI KATO	50	M.	FLY	GAIL ROPER	USA	10-15-95	38.44			
1:18.52	04-08-95	USA	HARRY HUNSICKER	100	M.	FLY	GAIL ROPER	USA	10-15-95	1:33.10			
3:07.91	11-14-93	USA	CHARLES MOSS	200	M.	FLY	JUNE KRAUSER	USA	10-08-95	3:32.93			
1:16.79	01-28-96	ESP	ROBERTO ALBERICHE	100	M.	I.M.	JANE ASHER	GBR	05-12-96	1:30.70			
2:49.10	01-28-96	ESP	ROBERTO ALBERICHE	200	M.	I.M.	CLARA WALKER	USA	12-08-91	3:18.77			
6:07.00	01-28-96	ESP	ROBERTO ALBERICHE	400	M.	I.M.	JUNE KRAUSER	USA	10-08-95	7:13.26			
*****		M E N		*****		70-74		*****		W O M E N		*****	
30.59	09-17-95	USA	FRANK PIEMME	50	M.	FREE	CLARA WALKER	USA	06-22-96	36.32			
1:09.00	12-10-95	USA	FRANK PIEMME	100	M.	FREE	CLARA WALKER	USA	06-22-96	1:20.77			
2:37.86	10-28-95	USA	FRANK PIEMME	200	M.	FREE	CLARA WALKER	USA	06-22-96	3:02.11			
5:35.49	09-17-95	USA	FRANK PIEMME	400	M.	FREE	JUNE KRAUSER	USA	09-07-96	6:30.02			
11:38.41	10-15-95	USA	FRANK PIEMME	800	M.	FREE	JUNE KRAUSER	USA	09-07-96	13:07.28			
22:44.45	11-18-95	USA	FRANK PIEMME	1500	M.	FREE	CLARA WALKER	USA	01-21-96	25:05.57			
35.71	12-11-94	USA	PAUL HUTINGER	50	M.	BACK	DORIS STEADMAN	USA	10-08-95	42.58			
1:21.74	12-11-94	USA	PAUL HUTINGER	100	M.	BACK	DORIS STEADMAN	USA	10-08-95	1:35.66			
2:59.92	12-11-94	USA	PAUL HUTINGER	200	M.	BACK	DORIS STEADMAN	USA	10-08-95	3:27.79			
38.99	06-25-95	GER	KARL HEINZ KNOPS	50	M.	BRST	MAUD POVEY	GBR	10-17-93	49.15			
1:29.48	11-06-94	USA	BARTON GREENBERG	100	M.	BRST	JUNE KRAUSER	USA	09-07-96	1:49.64			
3:16.44	04-23-95	GER	KARL HAUTER	200	M.	BRST	MARGARET EVANS	GBR	10-16-94	3:55.30			
34.77	12-10-95	USA	FRANK PIEMME	50	M.	FLY	MASUMI TANI	JPN	06-09-96	44.49			
1:27.21	09-24-95	GER	KARL HEINZ KNOPS	100	M.	FLY	JUNE KRAUSER	USA	09-07-96	1:40.20			
3:18.59	04-23-95	GER	ROBERT PFERSDORFF	200	M.	FLY	LOIS NOCHMAN	USA	11-06-94	4:05.45			
1:20.99	12-10-95	USA	FRANK PIEMME	100	M.	I.M.	FLORENCE CARR	USA	10-08-95	1:43.66			
3:00.88	01-28-96	ESP	JESUS DOMINGUEZ	200	M.	I.M.	JUNE KRAUSER	USA	09-07-96	3:32.62			
6:38.98	12-10-95	USA	FRANK PIEMME	400	M.	I.M.	MARGARET EVANS	GBR	10-16-94	8:06.71			
*****		M E N		*****		75-79		*****		W O M E N		*****	
32.78	04-16-88	USA	KELLEY LEMMON	50	M.	FREE	OLGA JOHNSON	NZL	02-03-96	39.73			
1:13.47	10-15-95	USA	RAY TAFT	100	M.	FREE	OLGA JOHNSON	NZL	02-03-96	1:37.68			
2:48.67	11-06-94	USA	RAY TAFT	200	M.	FREE	CANDIDA GANDOLPHO	BRA	06-11-95	3:33.40			
6:02.95	10-15-95	USA	RAY TAFT	400	M.	FREE	RITA SIMONTON	USA	10-24-93	7:23.29			
12:45.40	11-06-94	USA	RAY TAFT	800	M.	FREE	RITA SIMONTON	USA	11-20-93	15:28.60			
24:46.19	11-14-93	USA	ALDO DA ROSA	1500	M.	FREE	RITA SIMONTON	USA	11-20-93	29:30.20			
39.83	10-09-94	USA	RAY TAFT	50	M.	BACK	WILLY VAN RYSEL	GBR	- -91	48.06			
1:27.41	11-06-94	USA	RAY TAFT	100	M.	BACK	WILLY VAN RYSEL	GBR	- -91	1:48.13			
3:10.22	11-06-94	USA	RAY TAFT	200	M.	BACK	WILLY VAN RYSEL	GBR	- -91	4:00.43			
42.33	12-08-93	ITA	AUGUSTO ROMANO	50	M.	BRST	INGEBORG FRITZE	GER	03-17-96	53.28			
1:36.61	05-15-94	ITA	AUGUSTO ROMANO	100	M.	BRST	HILDEGARD MESSING	GER	03-04-95	1:59.41			
3:34.29	11-14-93	USA	ALDO DA ROSA	200	M.	BRST	HILDEGARD MESSING	GER	04-23-95	4:22.96			
38.70	10-15-95	USA	RAY TAFT	50	M.	FLY	CATHERINE KERR	CAN	03-16-96	52.18			
1:36.80	11-15-92	USA	PAUL KRUP	100	M.	FLY	MAXINE MERLINO	USA	12-03-88	2:12.17			
3:49.00	11-15-92	USA	PAUL KRUP	200	M.	FLY	MAXINE MERLINO	USA	10-30-88	4:48.50			
1:27.43	11-06-94	USA	RAY TAFT	100	M.	I.M.	CATHERINE KERR	CAN	03-16-96	1:51.66			
3:20.35	11-06-94	USA	RAY TAFT	200	M.	I.M.	CATHERINE KERR	CAN	01-27-96	4:12.37			
7:08.53	11-06-94	USA	RAY TAFT	400	M.	I.M.	MAXINE MERLINO	USA	02-07-88	9:07.66			
*****		M E N		*****		80-84		*****		W O M E N		*****	
35.16	12-12-93	USA	WOODROW BOWERSOCK	50	M.	FREE	HATSUHO SUGAYA	JPN	05-26-96	44.57			
1:18.80	05-14-95	JPN	HIKOJI UEKI	100	M.	FREE	HATSUHO SUGAYA	JPN	05-22-94	1:48.30			
3:01.42	05-14-95	JPN	HIKOJI UEKI	200	M.	FREE	JEAN DURSTON	USA	11-06-94	4:07.41			
7:05.20	12-17-86	AUS	F LOUGH	400	M.	FREE	JEAN DURSTON	USA	11-06-94	8:39.15			
14:48.88	05-22-95	CAN	NORBERT ARTUS	800	M.	FREE	JEAN DURSTON	USA	11-06-94	17:51.63			
28:43.31	11-20-94	USA	DEXTER WOODFORD	1500	M.	FREE	JEAN DURSTON	USA	10-09-94	34:13.00			
43.71	03-05-95	GER	OTTO CLAUS	50	M.	BACK	WILLY VAN RYSEL	GBR	03-17-96	56.65			
1:37.17	11-06-94	USA	EDWARD SHEA	100	M.	BACK	UME WADA	JPN	05-17-92	2:06.95			
3:33.91	11-06-94	USA	EDWARD SHEA	200	M.	BACK	MARIE WICKLUN	USA	06-01-96	4:36.90			
45.52	- -91	GER	KARL WITTENBERG	50	M.	BRST	MAXINE MERLINO	USA	11-08-92	1:05.64			
1:46.48	05-28-95	JPN	HIROMU YOSHIMOTO	100	M.	BRST	DOROTHY WESTON	GBR	03-27-94	2:19.17			
4:07.75	01-21-96	AUT	JOHANN MORSCHER	200	M.	BRST	DOROTHY WESTON	GBR	10-17-93	4:54.39			
49.08	08-11-91	USA	JESSE COON	50	M.	FLY	MARIA LENK	BRA	03-12-95	1:02.58			
1:52.51	06-12-94	USA	WALTER PFEIFFER	100	M.	FLY	JEAN DURSTON	USA	11-06-94	2:28.34			
4:25.99	12-11-94	USA	WALTER PFEIFFER	200	M.	FLY	MAXINE MERLINO	USA	10-17-92	5:22.65			
1:44.08	06-12-94	USA	WALTER PFEIFFER	100	M.	I.M.	MARIA LENK	BRA	03-25-95	2:06.91			
3:50.55	11-19-94	USA	WOODROW BOWERSOCK	200	M.	I.M.	MARIA LENK	BRA	03-12-95	4:40.77			
8:34.45	12-11-94	USA	WALTER PFEIFFER	400	M.	I.M.	MAXINE MERLINO	USA	10-11-92	9:50.43			

# WORLD RECORDS SHORT COURSE METERS (as of 11-1-96)

***** M E N *****		***** 85-89 *****		***** W O M E N *****	
41.92	09-11-93	AUS	FRANK GRIFFITHS	50 M. FREE	UME WADA JPN 06-09-96 49.84
1:41.46	10-15-89	USA	GUS LANGNER	100 M. FREE	JULIA DOLCE USA 10-08-95 2:05.74
3:48.20	10-15-89	USA	GUS LANGNER	200 M. FREE	JULIA DOLCE USA 10-08-95 4:52.37
7:54.24	12-10-88	USA	GUS LANGNER	400 M. FREE	JULIA DOLCE USA 10-08-95 10:19.41
16:53.90	12-10-88	USA	GUS LANGNER	800 M. FREE	JULIA DOLCE USA 10-08-95 22:22.74
32:20.20	12-11-88	USA	GUS LANGNER	1500 M. FREE	JULIA DOLCE USA 10-08-95 42:10.95
55.03	05-28-95	BRA	GASTAO FIGUEIREDO	50 M. BACK	JEWEL COOKE USA 03-31-96 1:12.75
2:09.91	11-13-93	USA	DAN DOTTERWEICH	100 M. BACK	M GOTTSCHALK GER 05-04-96 2:40.38
5:15.31	10-17-93	GBR	CHESTER KOZLOWSKI	200 M. BACK	JEWEL COOKE USA 03-31-96 5:53.58
51.17	11-25-95	GER	KARL WITTENBERG	50 M. BRST	MADELEINE MILLER USA 09-17-95 1:10.56
2:09.33	11-13-93	USA	DAN DOTTERWEICH	100 M. BRST	M GOTTSCHALK GER 11-19-95 2:59.10
4:58.98	10-24-93	AUS	FRANK GRIFFITHS	200 M. BRST	JEWEL COOKE USA 03-31-96 6:53.42
1:01.38	06-25-95	USA	JESSE COON	50 M. FLY	JEWEL COOKE USA 02-04-96 1:24.22
2:38.62	06-25-95	USA	JESSE COON	100 M. FLY	JEWEL COOKE USA 02-18-96 3:20.81
5:56.91	06-25-95	USA	JESSE COON	200 M. FLY	JEWEL COOKE USA 02-04-96 7:12.95
2:06.37	10-24-93	AUS	FRANK GRIFFITHS	100 M. I.M.	JEWEL COOKE USA 01-21-96 2:40.42
5:02.31	12-07-91	USA	HERB EISENSCHMIDT	200 M. I.M.	ANNA BAUSCHER USA 10-15-89 9:49.36
10:47.13	12-07-91	USA	HERB EISENSCHMIDT	400 M. I.M.	JEWEL COOKE USA 02-18-96 13:48.08
***** M E N *****		***** 90-94 *****		***** W O M E N *****	
50.09	12-11-93	USA	GUS LANGNER	50 M. FREE	ANNA BAUSCHER USA 10-24-93 1:36.77
1:58.42	12-11-93	USA	GUS LANGNER	100 M. FREE	ANNA BAUSCHER USA 10-24-93 3:24.13
4:27.70	12-11-93	USA	GUS LANGNER	200 M. FREE	ANNA BAUSCHER USA 10-24-93 7:01.11
8:50.65	12-11-93	USA	GUS LANGNER	400 M. FREE	ANNA BAUSCHER USA 10-24-93 14:16.35
				800 M. FREE	ANNA BAUSCHER USA 10-24-93 28:45.45
51:43.20	12-09-90	USA	PAUL SPANGLER	1500 M. FREE	
1:15.84	12-17-93	USA	GUS LANGNER	50 M. BACK	VERA FERNANCE AUS - -89 1:55.07
2:40.88	10-08-95	USA	JOE KAUFMAN	100 M. BACK	VERA FERNANCE AUS - -90 4:19.46
6:35.42	12-03-94	USA	GUS LANGNER	200 M. BACK	
1:07.76	05-19-96	JPN	SHOHEI YOSHIDA	50 M. BRST	DORRIS VENNING NZL - -91 1:49.01
3:01.95	12-17-93	USA	GUS LANGNER	100 M. BRST	DORRIS VENNING NZL - -91 4:05.59
6:41.56	12-03-94	USA	GUS LANGNER	200 M. BRST	
				50 M. FLY	
				100 M. FLY	
				200 M. FLY	
3:00.53	12-03-94	USA	GUS LANGNER	100 M. I.M.	
				200 M. I.M.	
				400 M. I.M.	
***** M E N *****		***** 95-99 *****		***** W O M E N *****	
				50 M. FREE	
				100 M. FREE	
				200 M. FREE	
				400 M. FREE	
				800 M. FREE	
				1500 M. FREE	
				50 M. BACK	
				100 M. BACK	
				200 M. BACK	
				50 M. BRST	
				100 M. BRST	
				200 M. BRST	
				50 M. FLY	
				100 M. FLY	
				200 M. FLY	
				100 M. I.M.	
				200 M. I.M.	
				400 M. I.M.	
***** M E N *****		***** 100-104 *****		***** W O M E N *****	
2:06.66	09-30-95	USA	TOM LANE	50 M. FREE	
4:32.29	09-30-95	USA	TOM LANE	100 M. FREE	
				200 M. FREE	
				400 M. FREE	
				800 M. FREE	
				1500 M. FREE	
2:02.52	09-30-95	USA	TOM LANE	50 M. BACK	
				100 M. BACK	
				200 M. BACK	
				50 M. BRST	
				100 M. BRST	
				200 M. BRST	
				50 M. FLY	
				100 M. FLY	
				200 M. FLY	
				100 M. I.M.	
				200 M. I.M.	
				400 M. I.M.	



# WORLD RECORDS SHORT COURSE METERS (as of 11-1-96)

WRL SCM RECORDS AS OF 11-01-96

***** RELAY 200 M. FREE - WOMEN *****	***** RELAY 200 M. MEDLEY - WOMEN *****
100-119 MICHIGAN-USA DYNE BURRELL MARY MUETING	100-119 SHEFFIELD-GBR HELEN PRATT LINZI GAYWOOD
120-159 SWISS COTT-GBR MICHELE PEARSON CAROLINE HORDEN	120-159 SAN DIEGO-USA VICKY DAVIDSON KARLYN PIPES
160-199 SAN DIEGO-USA BARBARA DUNBAR SALLY KARRASCH	160-199 SG NEUKOLLN-GER S. FELGENTRAGER BRIGITTE MERTEN
200-239 TAMALPAIS-USA ANGELA KONIG SHERRY RADEMACHER	200-239 SG NEUKOLLN-GER SIEGRID KURTZ BRIGITTE MERTEN
240-279 NEW ENGLAND-USA CLARA WALKER BILLIE A BURRILL	240-279 SOLK HELLAS-SWE KERSTIN GJORES HARRIET DEGIORGIO
280-319 CRONULLA-AUS NANCYE MITCHELL BARBARA ROSE	280-319 KOEIKAI-JPN KUMIKO KUBO MASAKO HOTEHAMA
320-359 ST PETE - USA MARIAN MCKECHNIE FRANCES CICHANSKI	320-359 ST PETE-USA FRANCES CICHANSKI KAY SCHIMPF

***** RELAY 200 M. FREE - M E N *****	***** RELAY 200 M. MEDLEY - M E N *****
100-119 B.COPTHALL-GBR MARK MATTHEWS JIM HOBSLEY	100-119 SODERTALJE-SWE TORHEL ARMAN JONAS AKESSON
120-159 BAYLOR/STAR-USA RICHARD HESS M.RHODENBAUGH	120-159 BAYLOR/STAR-USA JAY YARID BOBBY PATTEN
160-199 COLONIALS-USA CHARLES NORELLI MICHAEL SLENKER	160-199 COLONIALS-USA J NATHAN LEECH CHARLES NORELLI
200-239 SO CAL AQUATICS FRED HUBBELL FRANS NELSON	200-239 LOS ALTOS-USA DICK THOMAS ROBERT PROEBSTING
240-279 BUCKEYE-USA SID HALL THOMAS OLANDER	240-279 BUCKEYE-USA YOSHI OYAKAWA JOHN MEDICI
280-319 SHUEI-JPN KEIJIRO NAKAMURA ISAMU TAMURA	280-319 SHUEI-JPN GORO TANIGUCHI KEIICHI TOKUNAGA
320-359 LONG BEACH-USA WALTER PFIEFFER WOODROW BOWERSOCK	320-359 TOKYO-JPN SADAHIKO SHIMADA KISABURO WADA

***** RELAY 200 M. FREE - MIXED *****	***** RELAY 200 M. MEDLEY - MIXED *****
100-119 JARFALLA-SWE 12-11-94	100-119 LAKESIDE-USA WILLIAM TINGLEY MICHAEL HIGGS
120-159 SAN DIEGO VICKY DAVIDSON GARY FORTUNE	120-159 LAKESIDE-USA WILLIAM TINGLEY MICHAEL HIGGS
160-199 TXAM-USA KARLENE WISE LARRY WOOD	160-199 W HOLLYWOOD-USA ANDREA DEVUONO MICHAEL MEALIFFE
200-239 LINCOLN-USA PAUL HUTINGER COLLEEN MALMEN	200-239 SG NENKOLLN-GER S. FELGENTRAGER MANFRED BROCK
240-279 LOS ALTOS-USA JOHN RICHARDS DELLA SEHORN	240-279 LOS ALTOS-USA DELLA SEHORN LAURA VAL
280-319 OJAI S BAR-USA FRANK PIEMME RUTH BAAR	280-319 OJAI S BAR-USA GAY COLLINS JURGEN SCHMIDT
320-359 IBARAGI SC-JPN YUKIO TAMURA RITSUKO HAYASHIDA	320-359 RIO MASTERS-BRA ALBERTO MIBIELLI MARIA LENK

# WORLD RECORDS LONG COURSE METERS (as of 11-1-96)

WRL LCM RECORDS AS OF 11-01-96									
***** M E N *****					***** W O M E N *****				
***** 25-29 *****					***** 30-34 *****				
***** 35-39 *****					***** 40-44 *****				
22.59	08-28-83	USA	KEVIN DEFORREST	50 M. FREE	SARA SHAND	USA	08-18-91	26.68	
51.25	08-14-81	USA	JIM MONTGOMERY	100 M. FREE	SARA SHAND	USA	08-18-91	58.23	
1:52.17	08-23-92	USA	JOHN KEPPELER	200 M. FREE	SARA SHAND	USA	- -89	2:07.11	
4:05.99	07-31-94	USA	CHIP HOBSON	400 M. FREE	SARA SHAND	USA	- -89	4:27.53	
8:29.22	07-09-94	FRA	NICOLAS GRANGER	800 M. FREE	EVA MORTENSEN	GBR	04-26-96	9:17.09	
16:28.69	08-08-87	USA	CAMERON REID	1500 M. FREE	AMY POPE	USA	08-28-88	17:38.78	
26.68	06-05-94	GBR	MARTIN HARRIS	50 M. BACK	DIANE GRANER	USA	08-20-89	30.80	
57.93	06-05-94	GBR	MARTIN HARRIS	100 M. BACK	MONIQUE RODAHL	NZL	- -89	1:06.46	
2:05.86	06-05-94	GBR	MARTIN HARRIS	200 M. BACK	DIANE GRANER	USA	08-20-89	2:19.97	
28.68	06-25-96	GBR	JAMES PARRACK	50 M. BRST	S. SEMINATORE	ITA	- -89	32.01	
1:04.11	06-24-96	GBR	JAMES PARRACK	100 M. BRST	CHARLOTTE MUSTARD	GBR	06-24-96	1:15.31	
2:26.32	08-25-96	USA	ABRAHAM SOLANO	200 M. BRST	SHARRON DAVIES	GBR	- -90	2:42.02	
25.16	-83-84	USA	DEFORREST/BOTTOM	50 M. FLY	ROSEMARIE SEAMAN	USA	08-24-87	28.79	
56.34	04-28-84	USA	MICHAEL BOTTOM	100 M. FLY	ROSEMARIE SEAMAN	USA	- -87	1:03.91	
2:05.25	- -84	TCH	M. LUKASEK	200 M. FLY	S PALMER-WHITE	AUS	- -92	2:18.69	
				100 M. I.M.					
2:07.00	07-09-94	FRA	NICOLAS GRANGER	200 M. I.M.	SHARRON DAVIES	GBR	- -90	2:22.00	
4:31.47	07-09-94	FRA	NICOLAS GRANGER	400 M. I.M.	SHARRON DAVIES	GBR	- -90	5:05.29	
23.21	11-24-90	USA	ROWDY GAINES	50 M. FREE	S. NEILSON-BELL	USA	08-28-88	26.37	
51.50	07-14-91	USA	ROWDY GAINES	100 M. FREE	S. NEILSON-BELL	USA	10-15-88	58.09	
1:54.04	07-13-90	USA	ROWDY GAINES	200 M. FREE	BETH KNIGHT	USA	08-20-89	2:07.84	
4:07.04	11-14-93	USA	ROWDY GAINES	400 M. FREE	K PIPES-NEILSEN	USA	08-11-96	4:28.76	
8:40.19	11-14-93	USA	ROWDY GAINES	800 M. FREE	LYNN MARSHALL	CAN	07-05-92	9:16.82	
16:36.06	08-22-93	USA	BOBBY PATTEN	1500 M. FREE	KAREN BURTON	USA	05-19-96	17:38.70	
27.26	07-09-94	USA	SEAN MURPHY	50 M. BACK	D GRANER GALLAS	USA	06-26-96	30.94	
58.66	07-09-94	USA	SEAN MURPHY	100 M. BACK	D GRANER GALLAS	USA	06-27-96	1:05.42	
2:05.62	07-09-94	USA	SEAN MURPHY	200 M. BACK	K PIPES-NEILSEN	USA	08-11-96	2:18.98	
29.42	07-05-92	USA	DAVID GUTHRIE	50 M. BRST	M. MOHMANN	GBR	- -88	34.56	
1:05.65	08-18-91	USA	DAVID LUNDBERG	100 M. BRST	M. MOHMANN	GBR	- -88	1:14.52	
2:24.06	08-18-91	USA	DAVID LUNDBERG	200 M. BRST	HIDEKA KOSHIMIZU	JPN	07-16-95	2:46.81	
25.31	10-15-88	USA	MIKE BOTTOM	50 M. FLY	PASCALE VERBAUWEN	BEL	06-22-96	29.17	
56.64	10-15-88	USA	MIKE BOTTOM	100 M. FLY	PASCALE VERBAUWEN	BEL	06-25-96	1:04.80	
2:03.85	08-04-95	USA	BOBBY PATTEN	200 M. FLY	K PIPES-NEILSEN	USA	08-11-96	2:20.12	
				100 M. I.M.					
2:09.69	08-18-91	USA	DAVID LUNDBURG	200 M. I.M.	KARLYN PIPES	USA	05-26-96	2:25.68	
4:40.22	07-09-94	USA	SEAN MURPHY	400 M. I.M.	HIDEKA KOSHIMIZU	JPN	10-22-95	5:05.05	
23.20	07-17-94	JPN	ROWDY GAINES	50 M. FREE	S NEILSON-BELL	USA	- -93	26.89	
51.49	07-16-95	USA	ROWDY GAINES	100 M. FREE	S NEILSON-BELL	USA	- -94	58.94	
1:55.36	07-17-94	JPN	ROWDY GAINES	200 M. FREE	BETH KNIGHT	USA	08-14-94	2:08.93	
4:07.64	07-16-95	USA	ROWDY GAINES	400 M. FREE	BETH KNIGHT	USA	08-28-94	4:31.35	
8:38.73	11-12-95	USA	ROWDY GAINES	800 M. FREE	BETH KNIGHT	USA	09-08-94	9:20.62	
16:37.34	11-13-94	USA	ROWDY GAINES	1500 M. FREE	BETH KNIGHT	USA	08-14-94	17:59.12	
28.04	08-26-78	USA	THOMPSON MANN	50 M. BACK	LAURA VAL	USA	07-22-90	32.39	
1:00.95	08-22-93	USA	WILLIAM SPECHT	100 M. BACK	ZENA HERRMANN	USA	08-28-94	1:08.49	
2:13.83	07-29-90	USA	TOM WOLF	200 M. BACK	ZENA HERRMANN	USA	08-28-94	2:26.66	
30.13	08-27-95	USA	DAVID GUTHRIE	50 M. BRST	L WETZEL-OSBORNE	USA	08-20-89	34.41	
1:05.67	08-27-95	USA	DAVID GUTHRIE	100 M. BRST	L WETZEL-OSBORNE	USA	08-20-90	1:17.44	
2:24.37	08-04-95	USA	DAVID GUTHRIE	200 M. BRST	DAGMAR HILBIG	GER	04-28-96	2:50.66	
25.93	08-01-93	USA	MICHAEL BOTTOM	50 M. FLY	SUSAN HALFACRE	USA	08-28-88	29.27	
56.60	06-25-96	USA	JEFF STUART	100 M. FLY	SUSAN HALFACRE	USA	08-28-88	1:05.39	
2:06.74	06-26-96	USA	JEFF STUART	200 M. FLY	LAURA VAL	USA	07-30-89	2:26.38	
				100 M. I.M.					
2:15.21	07-09-94	BRA	DJAN MADRUGA	200 M. I.M.	JUDITH LALLIER	USA	08-28-94	2:28.93	
4:50.18	07-09-94	UKR	SERGEY FESENKO	400 M. I.M.	LYNN MARSHALL	CAN	06-22-96	5:24.93	
24.39	08-27-95	USA	RICK ABBOTT	50 M. FREE	S NEILSON-BELL	USA	08-25-96	27.39	
54.45	06-23-96	FRA	V GALAVTINE	100 M. FREE	S NEILSON-BELL	USA	08-25-96	1:00.63	
2:01.16	07-30-95	USA	HESS YNTEMA	200 M. FREE	LAURA VAL	USA	07-09-94	2:14.97	
4:20.37	08-11-96	USA	HESS YNTEMA	400 M. FREE	LAURA VAL	USA	07-31-94	4:48.82	
8:57.66	07-30-95	USA	HESS YNTEMA	800 M. FREE	LAURA VAL	USA	07-25-93	9:57.69	
16:58.52	07-30-95	USA	HESS YNTEMA	1500 M. FREE	BARBARA DUNBAR	USA	08-30-92	19:00.40	
29.10	06-26-96	USA	CLAY EVANS	50 M. BACK	LAURA VAL	USA	05-29-94	32.25	
1:03.39	08-11-90	USA	PETER O'KEEFFE	100 M. BACK	LAURA VAL	USA	08-23-92	1:11.03	
2:18.17	08-12-90	USA	PETER O'KEEFFE	200 M. BACK	B BAZUREAU	FRA	03-27-94	2:36.89	
30.82	07-05-92	USA	PEDER DAHLBERG	50 M. BRST	DAGMAR FRESE	GER	06-25-96	35.88	
1:09.79	06-28-96	GER	JURGEN BRUHN	100 M. BRST	DAGMAR FRESE	GER	06-24-96	1:18.57	
2:32.17	08-23-92	USA	RICK COLELLA	200 M. BRST	DAGMAR FRESE	GER	06-23-96	2:56.17	
26.62	08-27-95	USA	RICHARD HESS	50 M. FLY	LAURA VAL	USA	07-09-94	29.89	
59.02	07-30-95	USA	HESS YNTEMA	100 M. FLY	LAURA VAL	USA	08-23-92	1:06.27	
2:12.43	08-11-96	USA	HESS YNTEMA	200 M. FLY	LAURA VAL	USA	07-30-95	2:32.59	
				100 M. I.M.					
2:17.64	07-30-95	USA	HESS YNTEMA	200 M. I.M.	S NEILSON-BELL	USA	08-25-96	2:38.18	
4:53.03	07-30-95	USA	HESS YNTEMA	400 M. I.M.	LAURA VAL	USA	07-25-93	5:39.70	

# WORLD RECORDS LONG COURSE METERS (as of 11-1-96)

***** M E N *****		45-49 *****		***** W O M E N *****	
25.18	07-09-94	RSA	TERRY DOWNES 50 M. FREE	ARDETH MUELLER	USA 08-08-87 29.08
55.66	07-09-94	RSA	TERRY DOWNES 100 M. FREE	CONNY BOER-BUYS	NED 06-23-96 1:04.79
2:03.71	05-19-96	USA	TIM BRODERICK 200 M. FREE	BARBARA DUNBAR	USA 08-11-96 2:22.85
4:24.37	07-28-96	USA	TIM BRODERICK 400 M. FREE	BARBARA DUNBAR	USA 08-14-94 4:59.86
9:16.09	07-28-96	USA	TIM BRODERICK 800 M. FREE	BARBARA DUNBAR	USA 08-27-95 10:20.34
17:59.97	06-09-96	USA	TIM BRODERICK 1500 M. FREE	BARBARA DUNBAR	USA 09-01-94 19:28.34
30.42	07-11-93	USA	HUGH WILDER 50 M. BACK	B BAZUREAU	FRA 03-24-96 34.12
1:05.64	08-27-95	USA	PETER O'KEEFE 100 M. BACK	B BAZUREAU	FRA 03-24-96 1:13.15
2:23.84	08-27-95	USA	PETER O'KEEFE 200 M. BACK	CECILIA MCCLOSKEY	USA 08-27-95 2:42.60
32.48	07-09-94	USA	ROBERT STRAND 50 M. BRST	SUSAN ROY	USA 05-29-94 36.97
1:12.96	07-09-94	USA	ROBERT STRAND 100 M. BRST	SUSAN ROY	USA 05-29-94 1:22.27
2:41.02	07-09-94	GER	GERHARD PREINER 200 M. BRST	DEB WALKER	USA 07-14-96 3:05.29
27.12	08-23-92	USA	DAN THOMPSON 50 M. FLY	ARDETH MUELLER	USA 08-24-87 30.74
1:02.47	06-25-96	USA	BOO GRANER GALLAS 100 M. FLY	ARDETH MUELLER	USA 07-11-87 1:12.67
2:21.84	06-27-96	USA	BOO GRANER GALLAS 200 M. FLY	BARBARA DUNBAR	USA 08-14-94 2:38.78
			100 M. I.M.		
2:22.06	08-11-96	USA	TIM BRODERICK 200 M. I.M.	CECILIA MCCLOSKEY	USA 08-27-95 2:46.22
5:10.08	07-28-96	USA	TIM BRODERICK 400 M. I.M.	BARBARA DUNBAR	USA 08-11-96 5:53.25
***** M E N *****		50-54 *****		***** W O M E N *****	
25.93	08-25-96	USA	KEEFE LODWIG 50 M. FREE	ARDETH MUELLER	USA 08-22-93 29.33
57.86	08-25-96	USA	KEEFE LODWIG 100 M. FREE	CAROL FELLOWS	GBR 04-27-96 1:07.34
2:08.98	06-26-96	GBR	A MACGREGOR 200 M. FREE	ARDETH MUELLER	USA 08-22-93 2:29.22
4:43.72	11-15-92	USA	TIMOTHY GARTON 400 M. FREE	ARDETH MUELLER	USA 08-18-91 5:16.62
9:49.89	07-09-94	GBR	SANDY GALLETTY 800 M. FREE	ARDETH MUELLER	USA 08-18-91 10:58.47
18:49.43	06-06-93	GBR	SANDY GALLETTY 1500 M. FREE	ARDETH MUELLER	USA 07-28-91 21:02.46
30.93	10-15-88	USA	JOHN SMITH 50 M. BACK	SATOKO TAKEUJI	JPN 09-15-92 34.87
1:08.52	08-25-96	USA	TIM BIRNIE 100 M. BACK	SATOKO TAKEUJI	JPN 07-16-95 1:18.86
2:30.37	06-25-96	USA	JOHN CLAVERT 200 M. BACK	SATOKO TAKEUJI	JPN 09-15-92 2:51.11
33.23	08-25-96	USA	ROBERT STRAND 50 M. BRST	MONIKA SENFLEBEN	GER 06-20-92 39.52
1:12.38	08-25-96	USA	ROBERT STRAND 100 M. BRST	ELAINE BROMWICH	GBR 09-07-95 1:28.70
2:40.57	05-19-96	USA	ROBERT STRAND 200 M. BRST	ELAINE BROMWICH	GBR 09-06-95 3:11.56
27.74	08-25-96	USA	KEEFE LODWIG 50 M. FLY	ARDETH MUELLER	USA 08-22-93 31.69
1:05.82	06-25-96	GBR	TONY JARVIS 100 M. FLY	ARDETH MUELLER	USA 08-22-93 1:13.86
2:32.65	04-15-93	AUS	PETER GILMORE 200 M. FLY	ARDETH MUELLER	USA 08-18-91 2:49.53
			100 M. I.M.		
2:28.70	08-22-93	USA	TIMOTHY GARTON 200 M. I.M.	BRIGITTE MERTEN	GER 06-24-96 2:52.11
5:20.78	06-22-96	USA	JOHN CALVERT 400 M. I.M.	ARDETH MUELLER	USA 07-05-92 6:12.08
***** M E N *****		55-59 *****		***** W O M E N *****	
27.05	07-09-94	SWE	PETER BERGENGREN 50 M. FREE	CLAIRE O'DWYER	IRL 06-27-96 32.04
1:00.87	06-04-95	USA	JEFF FARRELL 100 M. FREE	YOSHIKO OSAKI	JPN 07-18-93 1:11.01
2:17.63	07-09-94	USA	JEFF FARRELL 200 M. FREE	YOSHIKO OSAKI	JPN 07-18-93 2:36.58
4:57.21	08-28-94	USA	DAVID HARRISON 400 M. FREE	YOSHIKO OSAKI	JPN 07-18-93 5:26.57
10:25.67	08-25-96	USA	DRURY GALLAGHER 800 M. FREE	LAVELLE STOINOFF	USA 08-28-88 11:30.97
19:54.72	06-15-90	USA	BURWELL JONES 1500 M. FREE	LAVELLE STOINOFF	USA 08-14-88 22:18.91
32.94	07-05-92	USA	YOSHI OYAWAKA 50 M. BACK	MARGARET WILDING	GBR 06-22-96 36.77
1:12.33	10-03-94	NZL	BARRY YOUNG 100 M. BACK	S NABUCO DE ABREV	BRA 06-27-96 1:21.41
2:37.16	09-03-94	NZL	BARRY YOUNG 200 M. BACK	BETSY JORDAN	USA 07-05-92 2:59.18
33.03	07-18-93	JPN	HIROSHI KOTEGAWA 50 M. BRST	JAYNE BRUNER	USA 08-18-91 39.91
1:17.87	08-28-88	USA	JOHN KORTHEUER 100 M. BRST	JAYNE BRUNER	USA 08-23-92 1:29.88
2:55.59	06-23-96	USA	TEX HARASZTI 200 M. BRST	FLORA CONNOLLY	GBR - -89 3:18.11
29.25	09-22-96	JPN	RYUJI TAKAMINE 50 M. FLY	GAIL ROPER	USA 08-20-85 35.29
1:09.27	07-09-94	USA	ROBERT PROEBSTING 100 M. FLY	CLAIRE O'DWYER	IRL 06-25-96 1:23.30
2:48.05	07-09-94	USA	ROBERT PROEBSTING 200 M. FLY	FLORA CONNOLLY	GBR - -89 3:17.68
			100 M. I.M.		
2:40.01	10-03-94	NZL	BARRY YOUNG 200 M. I.M.	YOSHIKO OSAKI	JPN 10-01-95 2:59.15
5:45.62	02-13-94	NZL	BARRY YOUNG 400 M. I.M.	YOSHIKO OSAKI	JPN 10-03-93 6:18.94
***** M E N *****		60-64 *****		***** W O M E N *****	
27.80	07-30-95	USA	BOB BAILIE 50 M. FREE	JAYNE BRUNER	USA 08-28-94 33.11
1:02.80	07-05-92	USA	DONALD HILL 100 M. FREE	JANE ASHER	GBR - -91 1:14.25
2:23.11	07-05-92	USA	DONALD HILL 200 M. FREE	LAVELLE STOINOFF	USA 07-11-93 2:43.83
5:04.56	07-30-95	USA	GRAHAM JOHNSTON 400 M. FREE	LAVELLE STOINOFF	USA 07-11-93 5:47.52
10:34.02	07-30-95	USA	GRAHAM JOHNSTON 800 M. FREE	LAVELLE STOINOFF	USA 05-29-94 12:01.79
20:04.73	07-30-95	USA	GRAHAM JOHNSTON 1500 M. FREE	LAVELLE STOINOFF	USA 05-28-95 22:50.81
33.13	08-28-94	USA	YOSHI OYAKAWA 50 M. BACK	PAM HUTCHINGS	AUS 04-08-96 39.09
1:14.72	08-28-94	USA	YOSHI OYAKAWA 100 M. BACK	PAM HUTCHINGS	AUS 04-07-96 1:27.46
2:45.93	08-22-93	USA	DONALD BROWN 200 M. BACK	PAM HUTCHINGS	AUS 04-05-96 3:10.08
34.59	09-24-95	JPN	AKIO SUGIYAMA 50 M. BRST	JAYNE BRUNER	USA 08-25-96 42.48
1:20.56	06-24-96	GBR	THOMAS WALKER 100 M. BRST	JAYNE BRUNER	USA 08-25-96 1:34.12
2:58.37	06-23-96	GBR	THOMAS WALKER 200 M. BRST	MASAYO AZUMA	JPN 09-29-96 3:24.38
30.35	07-30-95	USA	BOB BAILIE 50 M. FLY	JAYNE BRUNER	USA 08-28-94 38.10
1:14.98	07-09-94	USA	WALLY DOBLER 100 M. FLY	HAIKE HOLER	GER 06-25-96 1:30.17
3:00.99	08-20-90	USA	JOHN MASTERS 200 M. FLY	FLORA CONNOLLY	GBR 06-05-94 3:26.76
			100 M. I.M.		
2:50.08	08-22-93	USA	GRAHAM JOHNSTON 200 M. I.M.	FLORA CONNOLLY	GBR 07-06-93 3:15.30
6:04.99	08-18-91	USA	GRAHAM JOHNSTON 400 M. I.M.	FLORA CONNOLLY	GBR 07-09-94 6:57.33

# WORLD RECORDS LONG COURSE METERS (as of 11-1-96)

*****		M E N		***** 65-69 *****		W O M E N		*****	
28.78	06-27-96	EAP	ROBERTO ALBERICHE	50	M. FREE	GAIL ROPER	USA	08-25-96	34.17
1:03.39	06-23-96	ESP	ROBERTO ALBERICHE	100	M. FREE	JANE ASHER	GBR	03-24-96	1:15.29
2:21.74	06-26-96	ESP	ROBERTO ALBERICHE	200	M. FREE	CLARA WALKER	USA	07-05-92	2:48.51
5:03.36	08-25-96	USA	GRAHAM JOHNSTON	400	M. FREE	CLARA WALKER	USA	08-18-91	6:05.22
10:37.14	06-28-96	USA	GRAHAM JOHNSTON	800	M. FREE	CLARA WALKER	USA	07-05-92	12:27.60
20:16.54	08-25-96	USA	GRAHAM JOHNSTON	1500	M. FREE	CLARA WALKER	USA	08-02-92	24:07.05
35.47	08-20-89	USA	GEORGE GANDSEY	50	M. BACK	CLARA WALKER	USA	08-23-92	39.85
1:20.62	04-07-96	AUS	BOB BARRY	100	M. BACK	DORIS STEADMAN	USA	08-20-90	1:31.58
2:53.42	06-25-96	AUS	BOB BARRY	200	M. BACK	DORIS STEADMAN	USA	08-20-90	3:17.12
37.38	05-20-96	CAN	NICK TEMPLEMAN	50	M. BRST	EDITH BOEHM	GER	07-09-94	43.42
1:26.06	05-18-96	CAN	NICK TEMPLEMAN	100	M. BRST	EDITH BOEHM	GER	06-24-96	1:42.04
3:14.03	05-19-96	CAN	NICK TEMPLEMAN	200	M. BRST	MARGARET EVANS	GBR	- -89	3:45.71
33.16	08-25-96	USA	RONALD JOHNSON	50	M. FLY	GAIL ROPER	USA	07-28-96	39.18
1:20.59	08-23-92	USA	JOSEPH KURTZMAN	100	M. FLY	GAIL ROPER	USA	07-28-96	1:36.68
3:08.79	07-12-91	USA	JOSEPH KURTZMAN	200	M. FLY	JUNE KRAUSER	USA	07-09-94	3:36.25
				100	M. I.M.				
2:49.71	06-24-96	ESP	ROBERTO ALBERICHE	200	M. I.M.	JANE ASHER	GBR	03-24-96	3:20.26
6:05.15	06-22-96	ESP	ROBERTO ALBERICHE	400	M. I.M.	CLARA WALKER	USA	08-23-92	7:09.69
*****		M E N		***** 70-74 *****		W O M E N		*****	
29.35	08-26-84	USA	KELLEY LEMMON	50	M. FREE	CLARA WALKER	USA	08-11-96	36.13
1:10.16	08-13-95	USA	FRANK PIEMME	100	M. FREE	CLARA WALKER	USA	08-11-96	1:21.57
2:38.43	06-26-96	USA	FRANK PIEMME	200	M. FREE	CLARA WALKER	USA	08-10-96	3:04.56
5:48.08	08-27-95	USA	FRANK PIEMME	400	M. FREE	CLARA WALKER	USA	08-10-96	6:33.15
12:03.73	06-17-95	USA	FRANK PIEMME	800	M. FREE	JUNE KRAUSER	USA	06-28-96	13:15.45
23:03.23	07-08-95	USA	FRANK PIEMME	1500	M. FREE	JUNE KRAUSER	USA	06-08-96	25:11.23
37.10	07-30-95	USA	PAUL HUTINGER	50	M. BACK	DORIS STEADMAN	USA	06-26-96	42.29
1:24.14	07-30-95	USA	PAUL HUTINGER	100	M. BACK	DORIS STEADMAN	USA	08-27-95	1:35.11
3:10.07	09-24-95	JPN	KEIJIRO NAKAMURA	200	M. BACK	DORIS STEADMAN	USA	08-27-95	3:28.69
39.15	07-16-95	JPN	TOSHIO TAJIMA	50	M. BRST	TSUNEKO MITA	JPN	09-25-94	49.47
1:31.05	08-25-96	GER	ROBERT PFERSDORFT	100	M. BRST	AGNES PLISSON	FRA	12-11-94	1:51.36
3:26.27	06-23-96	GER	KARL-HEINZ KNOPS	200	M. BRST	MARGARET EVANS	GBR	06-05-94	4:03.16
33.79	06-22-96	USA	FRANK PIEMME	50	M. FLY	JUNE KRAUSER	USA	06-08-96	43.62
1:24.84	06-25-96	USA	JOSEPH KURTZMAN	100	M. FLY	JUNE KRAUSER	USA	06-25-96	1:40.85
3:26.05	06-27-96	USA	JOSEPH KURTZMAN	200	M. FLY	JUNE KRAUSER	USA	06-27-96	3:39.91
				100	M. I.M.				
3:06.43	06-24-96	ESP	JESUS DOMINGUEZ	200	M. I.M.	JUNE KRAUSER	USA	06-08-96	3:33.75
6:52.07	07-22-95	USA	FRANK PIEMME	400	M. I.M.	JUNE KRAUSER	USA	06-22-96	7:30.91
*****		M E N		***** 75-79 *****		W O M E N		*****	
32.50	08-28-83	USA	LYLE COLLET	50	M. FREE	J DRAKE-BROCKMAN	AUS	04-06-96	38.22
1:13.84	05-28-95	USA	RAY TAFT	100	M. FREE	J DRAKE-BROCKMAN	AUS	06-23-96	1:30.42
2:51.62	05-28-95	USA	RAY TAFT	200	M. FREE	RITA SIMONTON	USA	06-19-93	3:37.64
6:17.36	07-14-96	JPN	DOMEI SUZUKI	400	M. FREE	CANDIDA GANDOLPHO	BRA	04-07-96	7:33.09
12:58.14	06-10-95	USA	RAY TAFT	800	M. FREE	CANDIDA GANDOLPHO	BRA	09-09-95	15:13.28
24:51.78	10-22-95	JPN	DOMEI SUZUKI	1500	M. FREE	RITA SIMONTON	USA	07-10-93	29:45.90
39.49	07-09-94	USA	RAY TAFT	50	M. BACK	WILLY VAN RYSEL	GBR	- -91	46.64
1:29.52	08-27-95	USA	RAY TAFT	100	M. BACK	J DRAKE-BROCKMAN	AUS	04-07-96	1:47.58
3:15.00	11-13-94	USA	RAY TAFT	200	M. BACK	J DRAKE-BROCKMAN	AUS	06-25-96	3:57.14
42.58	- -90	JPN	HIROMU YOSHIMOTO	50	M. BRST	BETTY CHRISTIAN	USA	06-25-96	52.06
1:37.55	09-05-93	ITA	AUGUSTO ROMANO	100	M. BRST	BETTY CHRISTIAN	USA	06-24-96	2:00.48
3:34.86	07-09-94	ITA	AUGUSTO ROMANO	200	M. BRST	BETTY CHRISTIAN	USA	06-23-96	4:27.26
37.57	07-31-94	USA	RAY TAFT	50	M. FLY	CATHERINE KERR	CAN	06-22-96	53.84
1:39.80	07-05-92	USA	ANTON CERER	100	M. FLY	KAY SCHIMPF	USA	08-30-92	2:19.44
3:43.56	07-05-92	USA	ANTON CERER	200	M. FLY	MAXINE MERLINO	USA	05-28-88	4:54.79
				100	M. I.M.				
3:24.38	11-13-94	USA	RAY TAFT	200	M. I.M.	CATHERINE KERR	CAN	05-18-96	4:12.90
7:21.75	05-28-95	USA	RAY TAFT	400	M. I.M.	MAXINE MERLINO	USA	08-09-87	9:11.23
*****		M E N		***** 80-84 *****		W O M E N		*****	
33.88	08-08-93	USA	WOODROW BOWERSOCK	50	M. FREE	HATSUHO SUGAYA	JPN	09-25-94	41.31
1:19.28	07-16-95	JPN	HIKOJI UEKI	100	M. FREE	UME WADA	JPN	- -91	1:39.30
3:03.45	07-16-95	JPN	HIKOJI UEKI	200	M. FREE	UME WADA	JPN	- -92	3:44.00
6:40.63	07-16-95	JPN	HIKOJI UEKI	400	M. FREE	UME WADA	JPN	- -91	8:23.50
13:50.05	07-09-94	CAN	NORBERT ARTUS	800	M. FREE	UME WADA	JPN	- -91	17:21.19
28:54.95	08-13-83	USA	GUS LANGNER	1500	M. FREE	JEAN DURSTON	USA	07-30-95	33:00.94
43.15	07-16-95	JPN	TOSHIJI SATO	50	M. BACK	MYRTLE WRIGHT	AUS	- -89	53.73
1:39.11	07-14-96	JPN	TOSHIJI SATO	100	M. BACK	MYRTLE WRIGHT	AUS	- -89	2:01.87
3:42.95	08-27-95	USA	EDWARD SHEA	200	M. BACK	MYRTLE WRIGHT	AUS	- -89	4:22.89
45.45	06-17-95	JPN	HIROMU YOSHIMOTO	50	M. BRST	DOROTHY WESTON	GBR	06-06-93	59.60
1:46.92	06-17-95	JPN	HIROMU YOSHIMOTO	100	M. BRST	DOROTHY WESTON	GBR	06-06-93	2:17.08
4:00.73	06-23-96	USA	ANTON CERER	200	M. BRST	DOROTHY WESTON	GBR	06-06-93	5:01.36
47.24	07-22-95	USA	ROBERT CHRISTIANS	50	M. FLY	MARIA LENK	BRA	04-23-95	1:01.41
1:52.37	06-25-96	USA	ANTON CERER	100	M. FLY	JEAN DURSTON	USA	07-31-94	2:27.91
4:12.40	06-27-96	USA	ANTON CERER	200	M. FLY	JEAN DURSTON	USA	07-31-94	5:24.52
				100	M. I.M.				
3:47.18	06-24-96	USA	ANTON CERER	200	M. I.M.	MARIA LENK ZIGLER	USA	08-27-95	4:41.09
8:16.33	06-22-96	USA	ANTON CERER	400	M. I.M.	MAXINE MERLINO	USA	08-23-92	10:05.13

# WORLD RECORDS LONG COURSE METERS (as of 11-1-96)

*****		M E N		*****		85-89		*****		W O M E N		*****	
41.53	05-07-93	AUS	FRANK GRIFFITHS	50	M.	FREE	JULIA DOLCE	USA	08-28-94	50.93			
1:41.27	11-13-93	AUS	FRANK GRIFFITHS	100	M.	FREE	JULIA DOLCE	USA	08-27-95	2:00.68			
3:48.91	10-01-88	USA	GUS LANGNER	200	M.	FREE	JULIA DOLCE	USA	08-28-94	4:45.10			
8:14.50	08-28-88	USA	GUS LANGNER	400	M.	FREE	JULIA DOLCE	USA	08-28-94	10:44.25			
17:11.21	10-15-88	USA	GUS LANGNER	800	M.	FREE	JULIA DOLCE	USA	08-06-95	21:54.01			
33:08.42	08-20-89	USA	GUS LANGNER	1500	M.	FREE	JULIA DOLCE	USA	08-27-95	43:35.59			
56.12	04-23-95	BRA	GASTAO FIGUEIREDO	50	M.	BACK	AILEEN SOULE	USA	08-18-91	58.42			
2:07.06	08-01-93	USA	JIM PENFIELD	100	M.	BACK	AILEEN SOULE	USA	06-09-91	2:13.13			
4:43.49	06-19-93	USA	JIM PENFIELD	200	M.	BACK	AILEEN SOULE	USA	06-09-91	4:47.82			
51.52	08-27-95	GER	KARL WITTENBERG	50	M.	BRST	MARTI GOGNIAT	USA	07-27-96	1:09.85			
2:12.18	08-27-95	GER	KARL WITTENBERG	100	M.	BRST	MARTI GOGNIAT	USA	08-11-96	2:39.02			
4:36.86	07-28-96	USA	HAROLD PERRY	200	M.	BRST	JEWEL COOKE	USA	07-14-96	6:49.30			
57.93	08-27-95	USA	JESSE COON	50	M.	FLY	JEWEL COOKE	USA	08-25-96	1:26.39			
2:30.73	06-25-96	USA	JESSE COON	100	M.	FLY	KATHERINE PELTON	USA	07-28-91	3:01.14			
5:24.28	05-07-93	AUS	FRANK GRIFFITHS	200	M.	FLY	KATHERINE PELTON	USA	08-12-90	7:18.41			
				100	M.	I.M.							
4:40.15	05-07-93	AUS	FRANK GRIFFITHS	200	M.	I.M.	JEWEL COOKE	USA	07-14-96	6:17.06			
10:28.43	03-25-94	AUS	FRANK GRIFFITHS	400	M.	I.M.	JEWEL COOKE	USA	08-25-96	13:15.87			
*****		M E N		*****		90-94		*****		W O M E N		*****	
48.70	08-08-93	USA	GUS LANGNER	50	M.	FREE	AILEEN SOULE	USA	08-25-96	55.76			
1:57.91	08-22-93	USA	GUS LANGNER	100	M.	FREE	AILEEN SOULE	USA	08-25-96	2:19.62			
4:28.34	08-22-93	USA	GUS LANGNER	200	M.	FREE	AILEEN SOULE	USA	08-25-96	5:21.55			
9:44.11	08-22-93	USA	GUS LANGNER	400	M.	FREE							
20:13.74	08-01-93	USA	GUS LANGNER	800	M.	FREE	ANNA BAUSCHER	USA	08-28-94	30:55.09			
36:47.02	08-22-93	USA	GUS LANGNER	1500	M.	FREE							
1:10.27	05-29-94	USA	AL KALLUNKI	50	M.	BACK	AILEEN SOULE	USA	08-25-96	1:03.49			
2:34.82	06-11-95	USA	PETER JURCZYK	100	M.	BACK	AILEEN SOULE	USA	08-25-96	2:23.23			
5:36.88	06-11-95	USA	PETER JURCZYK	200	M.	BACK	PEARL MILLER	USA	07-16-89	10:47.76			
1:16.01	08-27-95	USA	ANDREW KALLUNKI	50	M.	BRST	DEL ROWLEY	AUS	04-17-95	2:13.81			
3:08.18	06-24-96	FRA	GEORGES SEJOURNE	100	M.	BRST	DEL ROWLEY	AUS	03-03-96	5:06.09			
6:24.54	08-01-93	USA	GUS LANGNER	200	M.	BRST	DEL ROWLEY	AUS	10-22-95	10:39.50			
				50	M.	FLY	ANNA BAUSCHER	USA	08-28-94	4:57.25			
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
6:59.87	06-11-95	USA	PETER JURCZYK	200	M.	I.M.	ANNA BAUSCHER	USA	08-28-94	12:10.93			
				400	M.	I.M.							
*****		M E N		*****		95-99		*****		W O M E N		*****	
1:41.72	07-08-95	USA	JOHN WHITTEMORE	50	M.	FREE							
				100	M.	FREE							
				200	M.	FREE							
				400	M.	FREE							
				800	M.	FREE							
				1500	M.	FREE							
				50	M.	BACK							
				100	M.	BACK							
				200	M.	BACK							
				50	M.	BRST							
				100	M.	BRST							
				200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							
*****		M E N		*****		100-104		*****		W O M E N		*****	
2:05.49	09-18-94	USA	TOM LANE	50	M.	FREE	MARY MAINA	AUS	10-03-94	5:10.84			
4:25.98	09-10-95	USA	TOM LANE	100	M.	FREE							
				200	M.	FREE							
				400	M.	FREE							
				800	M.	FREE							
				1500	M.	FREE							
2:05.54	09-10-95	USA	TOM LANE	50	M.	BACK							
4:57.01	09-18-94	USA	TOM LANE	100	M.	BACK							
				200	M.	BACK							
				50	M.	BRST							
				100	M.	BRST							
				200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							

# WORLD RECORDS LONG COURSE METERS (as of 11-1-96)

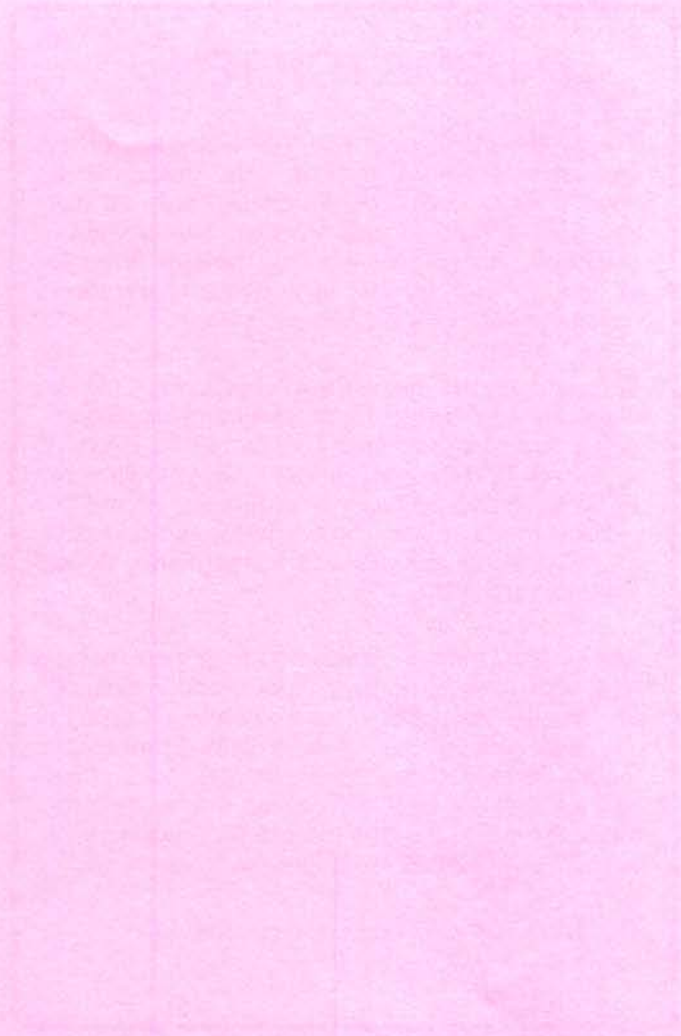
WRL LCM RECORDS AS OF 11-01-96

***** RELAY 200 M. FREE - WOMEN *****	***** RELAY 200 M. MEDLEY - WOMEN *****
100-119 HOLMES-USA 08-28-88 1:53.20 MARY HOLMES SUSAN HALFACRE BETH MAUER TISH BUCHER	100-119 HOLMES - USA 08-28-88 2:06.67 BETH MAUER DEB WALKER TISH BUCHER MARY HOLMES
120-159 LONE STAR-USA 08-24-87 1:53.05 MONICA BURK BRIGITTE HEUER L. MORRISON-CASEY JACKI HIRSTY	120-159 HOLMES - USA - -88 2:08.21
160-199 REGATAS-PER 11-12-95 1:59.32 C CHANGANAQUI F CHANGANAQUI ROSARIO VIVANCO SANDRA CROUSSE	160-199 LOS ALTOS-USA 05-29-94 2:12.91 CHRIS BREEDY SUSAN ROY LAURA VAL CAROLYN BOAK
200-239 LOS ALTOS-USA 05-29-94 2:08.96 LAURA VAL SUSAN ROY DELLA SEHORN CAROLYN BOAK	200-239 NEUK-GER 07-05-92 2:27.18 BRIGITTE MERTEN MONIKA SENFTLEBEN HEIDI KAMPSCHULTE MARGA SCHULZE
240-279 NEW ENGLAND-USA 07-09-94 2:25.83 JENNIFER LUKER DIANE REED BILLIE BURRILL CLARA WALKER	240-279 DC MASTERS-USA 08-28-94 2:49.96 ANNE WALKER JAYNE BRUNER BARBARA FRID BARBARA ZAREMSKI
280-319 NEW ENGLAND-USA 08-11-96 2:38.52 CLARA WLAKER BILLIE BURRILL PETEY SMITH DIANE REED	280-319 KOEI KAI-JPN 07-14-96 3:24.14 KUMIKO KUBO KAZUKO FUKAGAWA MASAKO HOTEHAMA TOMIKO OMORI
320-359 RIO MASTERS-BRA 06-22-96 4:38.38 L LOURDES SANTOS LUZIA CARACCILO MARTHA DE SA MARIA LENK	320-359 RIO MASTERS-BRA 06-22-96 5:04.47 MARTHA DE SA LUZIA CARACCILO MARIA LENK L LOURDES SANTOS

***** RELAY 200 M. FREE - M E N *****	***** RELAY 200 M. MEDLEY - M E N *****
100-119 JYVASKYLAN-FIN 06-26-96 1:36.39 JANNE VIRTANEN ARI JAAKKOLA JAANE VIRTANEN TOMMY RUNDGREN	100-119 POWERS-AUS 04-07-90 1:49.84 BRAD COOPER NEIL GYNTHNER ANKER BRODERSEN ANGUS WADDELL
120-159 LONE STAR-USA 07-16-86 1:37.43 DAVID HAGUE JAMES MONTGOMERY TRIP HEDRICK BUCK SMITH	120-159 RED FISH-SUI 07-09-94 1:48.75 PATRICK FERLAND ETIENNE DAGON THEOPHILE DAVID STEFAN VOLERY
160-199 HOLMES - USA 08-11-90 1:39.27 JAMES LILLEY C. MILTENBERGER RICHARD ABRAHAMS TIMOTHY GARTON	160-199 BAYLOR/LSTR-USA 07-09-94 1:53.79 MEL NASH BARRY HAMILTON TRIPP HEDRICK DAVID HAGUE
200-239 OLYMPIC CLB-USA 07-09-94 1:46.69 MICHAEL GARIBALDI ROBERT STRAND RICHARD BASSI JAMES ELDER	200-239 OLYMPIC CLB-USA 07-09-94 1:58.50 TIM BIRNIE ROBERT STRAND RICHARD BASSI JAMES ELDER
240-279 GOST-USA 07-05-92 1:58.54 THOMAS OLANDER SID HALL KEITH CARTER JOHN FLORANCE	240-279 BUCKEYE-USA 08-28-94 2:17.59 YOSHI OYAKOWA JOHN MEDICI THOMAS OLANDER JOHN FLORANCE
280-319 SHUEI-JPN 09-15-92 2:10.18 SHUICHI MURAYAMA JUZO TSUBOTA ISAMU TAMURA KEIJIRO NAKAMURA	280-319 OREGON - USA 08-23-92 2:34.57 FLOYD ELIOTT BOB MORRISON ANDREW HOLDEN GERALD HUESTIS
320-359 REC SWIM 88-JPN 07-18-93 2:53.29 S FUKUWATARI TETSU YAMAUCHI SHIRO ISHIKAWA HARUO CHIJIWA	320-359 COAST MASTER 08-13-95 3:06.15 BRION WINSHIP WALTER PFEIFFER ROBERT CHRISTIANS WOODROW BOWERSOCK

***** RELAY 200 M. FREE - MIXED *****	***** RELAY 200 M. MEDLEY - MIXED *****
100-119 HOLMES - USA - -88 1:43.89	100-119 HOLMES - USA 08-28-88 1:56.58 BETH MAUER BRUCE HOWELL SAM SEIPLE MARY HOLMES
120-159 HOLMES - USA - -88 1:44.83	120-159 MICHIGAN-USA 08-25-96 1:57.58 DYNE BURRELL MARK VANDERMAY MICHAEL GREEN CORRIN POPPS
160-199 ROCKY MT.- USA 07-05-92 1:47.46 CATHY DROZDA JUDY REED TOM WHATLEY RICHARD ABRAHAMS	160-199 HOLMES - USA - -88 2:02.10
200-239 LOS ALTOS - USA 07-09-94 1:55.50 EDWARD CAZALET LAURA VAL ARLENE PROEBSTING ROBERT PROEBSTING	200-239 LOS ALTOS - USA 07-09-94 2:14.32 EDWARD CAZALET TOM BOAK CAROLYN BOAK ARLENE PROEBSTING
240-279 HOLMES - USA - -88 2:09.67	240-279 TEAM BC - CAN 05-19-96 2:27.54 JOAN PARNELL NICK TEMPLEMAN JACK KELSO MARY LOU MONTETH
280-319 OREGON - USA 08-23-92 2:31.29 GERALD HUESTIS ANDREW HOLDEN PETEY SMITH PAULINE STANGEL	280-319 HOLMES - USA - -88 2:37.98
320-359 DC MASTERS-USA 08-01-93 3:03.15 NANCY CLARK ANNE WALKER KELLEY LEMMON DAVID MCAFEE	320-359 RIO MASTERS-BRA 11-26-95 3:54.87 ALBERTO MIBIELLI LUZIA CARACCILO MARIA LENK GASTAO FIGUEIREDO

THE UNIVERSITY OF CHICAGO  
BIBLIOTHECA



1811

# USMS TOP TEN

The 1996 Long Course Top Ten is the second in the series of 1996 Top Tens. The third issue is Short Course Meters, published in April. At that time, the official 1996 All American Roster will be produced. A swimmer who has the Top Ten time in one or more event(s) in any one of the three courses qualifies for All American Status.

Your attention is directed to Publications - please note that your checks for renewal and correspondence regarding the Top Ten should be directed to the NEW National Office. Tracy Grilli, our USMS Executive Secretary as of January 1st will be pleased to take care of your requests addressed to: USMS National Office - 261 High Range Road, Londonderry, NH 03053

As Dorothy Donnelly heads into retirement, hopefully with more time in the pool, and continued involvement with USMS as a volunteer (again) - she will welcome news and calls from many friends developed over the years. The "old" office phone (508) 886-6631 will remain in operation for the next several months to ease the transition; or e-mail to 75677.2433@compuserve.com.

Top Ten Crew - Walt, Betsy, Gene and Dot

Published December 1996

## UNITED STATES MASTERS SWIMMING PUBLICATIONS

		QTY	Total
1997 Rulebook .....	\$7.00	_____	_____
1997 Places to Swim/USA & Int'l.....	\$6.00	_____	_____
Building A Masters Club.....	\$6.00	_____	_____
Coaches Manual.....	\$20.00	_____	_____
USMS Decals.....	4 for \$1.50	_____	_____
USMS Posters 1-4.....	\$1.50	_____	_____
5-9.....	\$1.25	_____	_____
10-or more.....	\$1.00	_____	_____

### National Top Ten Times, National Records & World Records

LCM, SCM, and SCY .....	3 issues/\$15.00	_____	_____
2 Years.....	6 issues/\$30.00	_____	_____
Single Issue .....	\$7.00	_____	_____
Back issues available			
95 Short Course Meters		_____	_____
96 Long Course Meters		_____	_____

Check Payable to USMS (Amount of Enclosed Check \_\_\_\_\_ )  
 (Canadian orders add \$1.00 per item - \$3.00 for T/T subscription  
 Foreign orders add \$2.50 per item - \$7.50 for T/T subscription)

Send to: USMS National Office \*\*Please note new address  
 261 High Range Road  
 Londonderry, NH 03053

Name .....

Address .....

City, State, Zip .....



**United States  
 Masters  
 Swimming**

Betsy Durrant  
 211 Sixty-Sixth St.  
 Virginia Beach, VA 23451-2040

FIRST-CLASS  
 MAIL  
 US POSTAGE  
**PAID**  
 HAMBURG, NY

