

\$6.00

*United States
Masters Swimming, Inc.*

**1994
Top Ten
Short Course Meters**

and

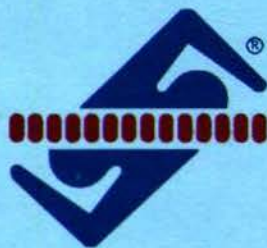
World Records

as of November 1, 1994

Short Course Meters

Long Course Meters

*United States
Masters
Swimming*



Published April 1995

TOP TEN

SHORT COURSE METERS

50 M. FREE WOMEN 19-24	34.33 HEATHER ANDERSON 24	33.94 MEREDITH GARDNER 24	1:03.83 MARY MONAHAN 27
27.44 JAMIE RAAB 94	35.48 JENNIFER DAWES 24	34.32 TRACIE HARANG 22	1:04.02 CAROLYN GRAVES 29
27.44 JAMIE RAAB 24	35.69 JULIE VERKE 24	100 M. FLY WOMEN 19-24	200 M. FREE WOMEN 25-29
28.38 KYM HUCAL 23	37.04 P.MCLAUGHLIN 22	1:05.38 JAMIE RAAB 94	2:06.47 DIANE GRANER 89
28.83 TRISH KLASMEIER 24	37.71 SARAH LINDH 19	1:05.38 JAMIE RAAB 24	2:15.88 SHELLY SCHAFFER 27
29.31 JENNIFER DAWES 24	37.95 LESLIE COURTNEY 23	1:09.67 KATHY STUPPY 24	2:16.46 JENNIFER WILLIS 26
29.31 MEREDITH GARDNER 24	100 M. BACK WOMEN 19-24	1:11.63 LAURA ANTONIETTA 23	2:17.57 MICHELE HUYETTE 26
29.76 KATHY STUPPY 24	1:10.77 MIKO MCGINTY 93	1:14.47 B WILLISTON 23	2:18.53 JULIE SARKIN 27
29.78 AMBER BADILLO 23	1:10.85 JOANNE MILLARD 19	1:16.65 VANESSA GIBBONS 23	2:19.22 LEANNE OVERBEEK 25
29.78 TRACIE HARANG 22	1:13.75 HEATHER ANDERSON 24	1:19.92 TRACIE HARANG 22	2:20.03 CAROLYN GRAVES 29
29.88 PATTY HART 24	1:13.93 CHRISTIE WOODRUFF 24	1:19.95 JARA FATOUT 24	2:23.05 BARB THRASHER 28
29.90 JARA FATOUT 24	1:13.93 KATHY STUPPY 24	1:21.04 SHELLEY GARDEN 20	2:24.01 MELINDA FINLEY 28
100 M. FREE WOMEN 19-24	1:14.23 CINDY LIU 23	1:23.50 ELIZABETH HONDORF 24	2:24.06 WENDY LOWENGRUB 26
1:00.14 MICHELLE CHOW 93	1:14.33 LAURA ANTONIETTA 23	1:23.53 ROBIN ROBINSON 23	2:24.39 CARA JOY LOCKMAN 29
1:01.01 JAMIE RAAB 24	1:16.22 PAM GUERRA 22	200 M. FLY WOMEN 19-24	400 M. FREE WOMEN 25-29
1:02.69 TRISH KLASMEIER 24	1:16.48 ESTHER SMITH 22	2:34.28 CHRISTINA PLANJE 91	4:26.18 DIANE GRANER 89
1:03.63 JENNIFER DAWES 24	1:17.14 B WILLISTON 23	2:50.03 EUNICE CHING 23	4:44.58 SUSIE RABIAH 27
1:03.75 CHRISTY LIPSIN 24	1:17.36 LINDA KULA 24	2:51.16 VANESSA GIBBONS 23	4:49.87 LESLEY REID 29
1:04.71 JARA FATOUT 24	200 M. BACK WOMEN 19-24	3:10.03 LINDSAY NATA 20	4:51.84 JENNIFER WILLIS 26
1:05.15 KATHY STUPPY 24	2:34.32 C. HARTZELL 88	3:11.45 HEATHER PERRY 23	4:53.23 CAROLYN GRAVES 29
1:05.38 ANNE WATKINS 19	2:26.77 N. WUNDERLICH 23NV	100 M. I.M. WOMEN 19-24	4:53.29 MATHILDE BOUWMA 26
1:05.69 CHERESE EDER 20	2:39.92 JOANNE MILLARD 19	1:09.25 MICHELLE CHOW 93	5:01.70 KERSTEN ANNEGERS 25
1:05.85 B WILLISTON 23	2:42.62 BETHANY WILLISTON 23	1:11.15 TRISH KLASMEIER 24	5:05.89 AMY DANTZLER 29
1:06.31 TRACIE HARANG 22	2:44.91 TASHA HANSEN 24	1:13.23 N. WUNDERLICH 23	5:08.22 MELISSA KERKER 29
200 M. FREE WOMEN 19-24	2:51.85 LINDA KULA 24	1:13.73 BECKY WOOD 24	5:09.26 TIFFANY FORBES 25
2:14.42 JAMIE RAAB 94	2:52.43 KATE TOOLE 19	1:14.69 PATTY HART 24	5:10.46 GILLIAN FUCIGNA 27
2:14.42 JAMIE RAAB 23	2:54.90 E.THUNEN-FRENCH 19	1:14.97 E.MLYNARIK 24	800 M. FREE WOMEN 25-29
2:20.72 B WILLISTON 23	2:57.50 LAURA VIALE 19	1:15.12 KATHY STUPPY 24	9:18.99 DIANE GRANER 90
2:21.10 JOANNE WRIGHT 23	2:58.07 TRACY SEIDENVERG 24	1:15.16 ESTHER SMITH 22	9:54.40 JULIE SARKIN 27
2:21.58 CINDY LIU 23	3:01.52 ALLISON LANDRY 24	1:15.32 CINDY LIU 23	10:01.02 CAROLYN GRAVES 29
2:22.57 HEATHER ANDERSON 24	50 M. BRST WOMEN 19-24	1:15.58 PAM GUERRA 22	10:23.76 AMY DANTZLER 29
2:24.26 TASHA HANSEN 24	35.28 BECKY WOOD 94	1:16.04 CHRISTIE WOODRUFF 24	10:27.31 GILLIAN FUCIGNA 27
2:25.06 AMBER BADILLO 23	35.28 BECKY WOOD 24	200 M. I.M. WOMEN 19-24	10:39.81 SUSIE BLAKE 28
2:25.34 LAURA VIALE 19	36.35 TRISH KLASMEIER 24	2:34.20 LISA DIAL 92	11:05.08 DANA STRAND 25
2:26.29 JULIE VERKE 24	37.67 BRETT NORTHRUP 22	2:33.37 N. WUNDERLICH 23NV	11:07.73 DIANNE BATSON 26
2:27.97 CHRISTIE WOODRUFF 24	38.27 JOANNE WRIGHT 23	2:39.58 BETHANY WILLISTON 23	11:09.78 PATRICIA HOGAN 25
400 M. FREE WOMEN 19-24	39.08 KIMBERLY MONAGHAN 24	2:39.69 JOANNE WRIGHT 23	11:11.98 KATHRYN WISEMAN 29
4:43.50 LISA DIAL 92	39.33 CHRISTY LIPSIN 24	2:40.17 ESTHER SMITH 22	11:14.24 CHRISTINE WINN 28
4:46.92 LAURA ANTONIETTA 23	40.07 BECKY ESKIND 24	2:40.33 LAURA ANTONIETTA 23	1500 M. FREE WOMEN 25-29
4:53.66 JOANNE WRIGHT 23	40.22 SELENA BASTINE 19	2:40.50 E.MLYNARIK 24	17:30.18 KAREN BURTON 91
4:57.32 LAURA VIALE 19	40.50 SHEILA WALSH 23	2:44.96 HEATHER ANDERSON 24	19:45.44 GILLIAN FUCIGNA 27
4:59.02 E.THUNEN-FRENCH 19	40.58 STEPHANIE TETU 24	2:45.75 LAURA VIALE 19	19:56.95 NANCY STERN 29
5:01.90 HEATHER ANDERSON 24	100 M. BRST WOMEN 19-24	2:46.05 TRACY SEIDENVERG 24	20:07.62 AMY DANTZLER 29
5:03.48 AMBER BADILLO 23	1:16.61 LOUISE KEOGH 93	2:48.13 JARA FATOUT 24	20:13.76 MELINDA FINLEY 28
5:12.46 MICHELLE MC BRIDE 23	1:18.47 BECKY WOOD 24	400 M. I.M. WOMEN 19-24	20:38.82 DIANNE BATSON 26
5:16.18 KATE TOOLE 19	1:19.05 TRISH KLASMEIER 24	5:21.53 LISA DIAL 92	21:08.91 PATRICIA HOGAN 25
5:17.56 TRACY SEIDENVERG 24	1:21.75 E.MLYNARIK 24	5:38.00 ESTHER SMITH 22	22:02.61 ANN DUNN 29
5:28.34 PAM GUERRA 22	1:22.36 JOANNE WRIGHT 23	5:38.14 HEATHER ANDERSON 24	22:25.34 MARCY YEISLEY 25
800 M. FREE WOMEN 19-24	1:22.47 ESTHER SMITH 22	5:39.50 LAURA ANTONIETTA 23	22:34.81 MARIA CHAPMAN 27
9:49.66 LAURA ANTONIETTA 94	1:23.52 BRETT NORTHRUP 22	6:08.39 ELIZABETH HONDORF 24	22:51.66 DIANNE GIBEL 29
9:49.66 LAURA ANTONIETTA 23	1:24.51 PATTY HART 24	6:13.55 KIMBERLY MONAGHAN 24	50 M. BACK WOMEN 25-29
10:17.00 HEATHER ANDERSON 24	1:25.06 ELIZABETH HONDORF 24	6:17.69 CHELSEA KNAPP 24	30.63 DIANE GRANER 89
10:17.13 E.THUNEN-FRENCH 19	1:25.81 CHERESE EDER 20	6:27.66 LISA ELLIOTT 22	32.28 JENNIFER WILLIS 26
10:19.68 LAURA VIALE 19	1:25.97 ELIZABETH ADAMSON 22	*****	32.58 CHRISTINE HOLMAN 29
10:46.63 VANESSA GIBBONS 23	200 M. BRST WOMEN 19-24	50 M. FREE WOMEN 25-29	33.80 SHELLY BOTTA 29
12:02.59 LISA ELLIOTT 22	2:44.74 LOUISE KEOGH 93	26.65 MICHELLE CHOW 94	33.91 LARA BIGLEY 26
12:13.17 ALISON BENKE 23	2:56.19 ESTHER SMITH 22	26.65 MICHELLE CHOW 25	34.42 JENNIFER OGLE 26
12:23.00 JESS HULNIK 23	2:56.46 JOANNE WRIGHT 23	28.12 SUSAN JONES 27	34.64 JENNIFER LAKINS 27
12:52.68 TINA THOMPSON 24	2:58.95 E.MLYNARIK 24	28.21 PATRICIA ABT 28	34.80 NANCY BUCHHOLZ 27
13:01.21 MARCIA OCHOA 23	3:04.76 KIMBERLY MONAGHAN 24	28.38 JANET SHAFFER 28	35.07 LAURA MCKEEVER 27
1500 M. FREE WOMEN 19-24	3:05.76 SHEILA WALSH 23	28.54 MICHELE HUYETTE 26	35.26 AMY KUPIC 27
18:54.01 KRISTIN HENSON 90	3:06.51 ELIZABETH HONDORF 24	28.54 JENNIFER WILLIS 26	35.59 LORNA CIALDELLA 29
20:28.25 VANESSA GIBBONS 23	3:07.81 HEATHER ANDERSON 24	28.58 MARY MONAHAN 27	100 M. BACK WOMEN 25-29
22:01.69 ELIZABETH ADAMSON 22	3:08.69 LINDSAY NATA 20	28.94 NANCY BUCHHOLZ 27	1:04.66 DIANE GRANER 89
24:19.06 JESS HULNIK 23	3:14.08 SELENA BASTINE 19	29.03 CAROLYN GRAVES 29	1:09.74 JENNIFER WILLIS 26
24:32.01 ANNICK SOUHAMI 24	3:15.77 HEATHER O'BRIEN 23	29.12 CHRISTINE HOLMAN 29	1:12.44 CHRISTINE HOLMAN 29
24:36.37 MARCIA OCHOA 23	50 M. FLY WOMEN 19-24	100 M. FREE WOMEN 25-29	1:13.34 ELIZABETH MARESCA 28
24:56.45 HEATHER PERRY 23	28.84 JAMIE RAAB 94	59.17 LIZ FABRIZIO 89	1:13.63 SHELLY BOTTA 29
25:12.92 MONICA PEREZ 20	28.84 JAMIE RAAB 24	1:01.74 JENNIFER WILLIS 26	1:14.21 LARA BIGLEY 26
25:17.07 KRISTAL KENNEDY 21	31.62 KATHY STUPPY 24	1:02.32 NANCY BUCHHOLZ 27	1:14.42 NANCY BUCHHOLZ 27
50 M. BACK WOMEN 19-24	32.47 CHRISTY LIPSIN 24	1:02.83 MICHELE HUYETTE 26	1:14.89 JENNIFER OGLE 26
30.86 KYM HUCAL 94	32.62 PATTY HART 24	1:02.85 LEANNE OVERBEEK 25	1:16.82 AMY KUPIC 27
30.86 KYM HUCAL 23	32.65 CHRISTIE WOODRUFF 24	1:03.15 CHRISTINE HOLMAN 29	1:17.46 PATRICIA HOGAN 25
32.77 JOANNE MILLARD 19	33.20 EUNICE CHING 23	1:03.22 JULIE BENJAMIN 28	1:17.82 BARBARA CLIFFORD 27
33.68 CHRISTIE WOODRUFF 24	33.50 BRETT NORTHRUP 22	1:03.26 PATRICIA ABT 28	200 M. BACK WOMEN 25-29
34.02 KATHY STUPPY 24	33.64 E.MLYNARIK 24	1:03.42 JANET SHAFFER 28	2:20.66 DIANE GRANER 89

TOP TEN

SHORT COURSE METERS

2:31.25 SUSAN JONES 27	3:19.74 MARCY YEISLEY 25	400 M. FREE WOMEN 30-34	36.87 MERIT GREAVES 30
2:38.51 LARA BIGLEY 26	3:33.83 GERI HEIER 29	4:31.88 BETH KNIGHT 90	37.81 DIANE HEYDT 31
2:40.64 JENNIFER OGLE 26	3:39.78 DIANNE GEIBEL 29	4:32.71 KAREN BURTON 32	38.30 ELLEN ATKINSON 31
2:40.94 SHELLA BOTTA 29	3:56.78 CYNTHIA LAFUENTE 27	4:55.61 LYNN FISCHER 34	38.84 KATHY STEELE 30
2:41.47 CHRISTINE HOLMAN 29	100 M. I.M. WOMEN 25-29	4:56.95 ANITA IRONS 30	38.84 BETH SCHEIMANN 32
2:43.17 CARA JOY LOCKMAN 29	1:08.16 BETH O'CONNOR 88	4:57.56 DONNA HEINEL 32	38.94 GLORIA NEMET 30
2:47.44 J.MOLEN 27	1:10.49 JENNIFER WILLIS 26	5:00.87 AMY POPE 34	39.17 GINA MARIE GATTI 31
2:49.20 MARTINA RALLE 29	1:11.64 LOUISE KEOGH 25	5:02.63 MARIE-H. CHARLAP 33	39.18 GRANATE SOSNOFF 31
2:50.19 JILL LEMONE 28	1:11.91 E.MALKEMUS 25	5:04.94 KARIN DECK 31	100 M. BRST WOMEN 30-34
2:50.26 PATRICIA HOGAN 25	1:13.23 MATHILDE BOUWMA 26	5:05.50 CHERYL KUPAN 30	1:17.43 BETH SCHEIMANN 93
50 M. BRST WOMEN 25-29	1:14.41 CHRISTINE HOLMAN 29	5:05.87 GLORIA NEMET 30	1:18.29 ROBIN MOLESE 30
34.36 TRACY MCFARLANE 91	1:14.58 KERSTEN ANNEGERS 25	5:06.07 BETH SCHEIMANN 32	1:19.05 KARLYN PIPES 32
34.87 LOUISE KEOGH 25	1:15.29 SARAH SCHULTZ 27	800 M. FREE WOMEN 30-34	1:20.23 MERIT GREAVES 30
36.67 MATHILDE BOUWMA 26	1:15.94 NANCY BUCHHOLZ 27	9:17.55 BETH KNIGHT 90	1:21.34 DIANE HEYDT 31
36.73 E.MALKEMUS 25	1:16.72 LARA BIGLEY 26	10:08.38 AMY POPE 34	1:22.22 GRANATE SOSNOFF 31
37.17 JANET SHAFFER 28	1:16.98 DIANNE BATSON 26	10:09.04 DENISE WARE 32	1:22.42 KATHY STEELE 30
37.67 PATRICIA ABT 28	200 M. I.M. WOMEN 25-29	10:13.78 MARIE-H. CHARLAP 33	1:22.90 ELLEN ATKINSON 31
38.24 MICHELLE SUTTON 26	2:24.07 DIANE GRANER 89	10:18.81 CINDY CLEMENTS 33	1:24.68 GLORIA NEMET 30
39.22 ANNA NAUTA 25	2:32.58 JENNIFER WILLIS 26	10:19.44 MAUREEN JONES 30	1:25.08 JACKIE COLLINS 31
39.27 JILL KEENAN 25	2:35.68 MATHILDE BOUWMA 26	10:24.32 SHARON BLAHA 34	1:25.14 SUSAN RICHMOND 33
39.72 DIANNE BATSON 26	2:38.55 MICHELE HUYETTE 26	10:28.92 GLORIA NEMET 30	200 M. BRST WOMEN 30-34
39.91 JANA IVERSON 27	2:40.42 KERSTEN ANNEGERS 25	10:40.08 IRENA SUMBERA 32	2:50.96 KAREN MELICK 91
100 M. BRST WOMEN 25-29	2:42.79 JILL KEENAN 25	10:43.38 LISA BOVE 33	2:51.80 ROBIN MOLESE 30
1:14.82 TRACY MCFARLANE 91	2:43.87 TIFFANY FORBES 25	10:50.92 KATHLEEN WILSON 31	2:56.63 KAREN BURTON 32
1:15.18 LOUISE KEOGH 25	2:44.49 DIANNE BATSON 26	1500 M. FREE WOMEN 30-34	2:57.44 MERIT GREAVES 30
1:18.32 E.MALKEMUS 25	2:45.66 JANET HARRIS 28	17:23.60 KAREN BURTON 94	2:58.52 GINA MARIE GATTI 31
1:22.13 MATHILDE BOUWMA 26	2:47.12 LARA BIGLEY 26	17:23.60 KAREN BURTON 32	2:58.76 DIANE HEYDT 31
1:22.65 KERSTEN ANNEGERS 25	2:47.37 JANA IVERSON 27	18:49.56 BARBARA MILANESE 32	3:00.07 ELLEN ATKINSON 31
1:23.20 MICHELE HUYETTE 26	400 M. I.M. WOMEN 25-29	18:58.65 AMY POPE 34	3:01.13 SUSAN RICHMOND 33
1:23.39 JANET SHAFFER 28	5:18.02 KAREN BURTON 91	19:04.56 S.MUNATONES 30	3:03.03 LUCILLE GLASSMAN 31
1:23.92 TINA BEUTTNER 29	5:28.50 ELIZABETH MARESCA 28	19:09.96 ANITA IRONS 30	3:03.98 DIANNA TATE 33
1:24.81 JANA IVERSON 27	5:34.79 JILL KEENAN 25	19:37.64 MARCIA CLEVELAND 30	3:04.68 ELAINE PORTER 31
1:24.82 ANNA NAUTA 25	5:50.49 LARA BIGLEY 26	19:39.15 MAUREEN JONES 30	50 M. FLY WOMEN 30-34
1:25.28 JILL KEENAN 25	5:54.67 DIANNE BATSON 26	19:48.56 MARIE-H. CHARLAP 33	30.20 S. NEILSON-BELL 88
200 M. BRST WOMEN 25-29	5:55.57 SUSIE BLAKE 28	19:54.16 ANNA RAY 31	31.48 CATHY REDSON 32
2:40.90 LOUISE KEOGH 94	6:00.40 BETSY COLLINS 26	19:55.54 GLORIA NEMET 30	31.56 KRISTIN HENDERSON 33
2:40.90 LOUISE KEOGH 94	6:11.63 ROBYN SCHLEGE 29	50 M. BACK WOMEN 30-34	31.57 BETH KNIGHT 34
2:51.23 E.MALKEMUS 25	6:46.67 MARIA CHAPMAN 27	31.52 KARLYN PIPES 94	31.82 INGRID LAWRENCE 31
2:52.21 MATHILDE BOUWMA 26	6:51.01 BETH SCHLEGEL 26	31.52 KARLYN PIPES 32	32.00 ELLEN ATKINSON 31
2:58.24 JILL KEENAN 25	*****	31.76 ANDREA DEVUONO 32	32.16 MICHELLE DOKTER 30
2:59.71 KERSTEN ANNEGERS 25	50 M. FREE WOMEN 30-34	32.69 INGRID LAWRENCE 31	32.29 JANET BOWMAN 33
3:02.40 PATRICIA ABT 28	26.46 ANNA PETTIS-SCOTT93	32.97 VICKY DAVIDSON 30	32.33 CHERYL KUPAN 30
3:03.00 LYNN KILLIAN 29	27.15 KARLYN PIPES 32	32.99 KAREN ANDREWS 31	32.60 GRANATE SOSNOFF 31
3:06.49 MARIA MACKAY 25	27.27 CAROL CARR 31	33.83 LAURA SCHWEE 31	32.66 JUNE FORD 32
3:07.31 MELISSA KERKER 29	27.90 VICKY DAVIDSON 30	34.12 SUSAN FLYNN 31	100 M. FLY WOMEN 30-34
3:08.26 PAULA ASHBAUGH 28	28.24 KATHY STEELE 30	34.72 SANDY GOLDING 30	1:07.34 TAMMY BENNETT 88
50 M. FLY WOMEN 25-29	28.33 KRISTIN HENDERSON 33	35.31 DONNA NEUMANN 30	1:08.15 KARLYN PIPES 32
29.13 BETH O'CONNOR 88	28.40 INGRID LAWRENCE 31	35.55 BRENDA MAJOR 30	1:09.94 MARGARET MORTELL 30
29.37 MICHELLE CHOW 25	28.82 ROBIN MOLESE 30	100 M. BACK WOMEN 30-34	1:10.18 MICHELLE DOKTER 30
31.03 SUSAN JONES 27	29.04 MERIT GREAVES 30	1:05.07 KARLYN PIPES 94	1:10.77 JANET BOWMAN 33
31.31 MARY MONAHAN 27	29.29 EILEEN HARTLE 33	1:05.07 KARLYN PIPES 32	1:11.39 CATHY REDSON 32
31.45 MICHELE HUYETTE 26	29.34 ELLEN ATKINSON 31	1:06.69 ANDREA DEVUONO 32	1:11.40 CHERYL KUPAN 30
31.62 MICHELLE SUTTON 26	100 M. FREE WOMEN 30-34	1:11.22 SHEILA MORTELL 32	1:11.63 PATTY STARKS 34
32.08 JENNIFER LAKINS 27	57.35 S. NEILSON-BELL 88	1:12.07 VICKY DAVIDSON 30	1:11.94 GRANATE SOSNOFF 31
32.11 MARIA SCHEIBER 25	59.33 KARLYN PIPES 32	1:12.64 MICHELLE DOKTER 30	1:12.11 C.CHICHESTER 31
32.16 E.MALKEMUS 25	1:02.06 INGRID LAWRENCE 31	1:12.92 LAURA O'HEIR 31	1:12.64 MAUREEN JONES 30
32.55 JANET SHAFFER 28	1:02.23 DONNA HEINEL 32	1:13.23 ANNA RAY 31	200 M. FLY WOMEN 30-34
32.75 TIFFANY FORBES 25	1:03.35 VICKY DAVIDSON 30	1:13.29 MARGARET MORTELL 30	2:24.97 KARLYN PIPES 94
100 M. FLY WOMEN 25-29	1:03.98 KATHY STEELE 30	1:13.46 SUSAN FLYNN 31	2:24.97 KARLYN PIPES 32
1:06.31 DIANE GRANER 89	1:04.04 KERRY FREEMAN 31	1:14.39 LAURA SCHWEE 31	2:26.40 JUNE FORD 32
1:10.85 MICHELE HUYETTE 26	1:04.36 BETH SCHEIMANN 32	200 M. BACK WOMEN 30-34	2:29.58 KAREN BURTON 32
1:11.34 CAROLYN GRAVES 29	1:04.97 MAUREEN JONES 30	2:18.29 KARLYN PIPES 94	2:34.80 S.MUNATONES 30
1:11.55 DANA STRAND 25	1:05.24 JANET BOWMAN 33	2:18.29 KARLYN PIPES 32	2:37.28 PATTY STARKS 34
1:12.97 MARIA SCHEIBER 25	1:05.37 CLIOONA JOHNSTON 31	2:28.69 KAREN BURTON 32	2:38.08 STEPHANIE PORTER 32
1:13.27 JULIE BENJAMIN 28	200 M. FREE WOMEN 30-34	2:29.77 ANDREA DEVUONO 32	2:38.09 C.CHICHESTER 31
1:14.62 BARB THRASHER 28	2:06.83 SANDY NEILSON 87	2:31.61 VICKY DAVIDSON 30	2:39.27 KARIN DECK 31
1:15.24 LORNA CIALDELLA 29	2:07.35 KARLYN PIPES 32	2:35.38 LYNN FISCHER 34	2:42.19 CATHY REDSON 32
1:15.29 SARAH SCHULTZ 27	2:08.86 BETH KNIGHT 34	2:38.65 C.CHICHESTER 31	2:43.84 JANET BOWMAN 33
1:15.43 JENNIFER KOWALSKY 26	2:12.35 KAREN BURTON 32	2:40.28 LAURA SCHWEE 31	100 M. I.M. WOMEN 30-34
1:16.09 JANA IVERSON 27	2:16.70 BARBARA MILANESE 32	2:40.97 LUCILLE GLASSMAN 31	1:07.26 KARLYN PIPES 94
200 M. FLY WOMEN 25-29	2:18.37 INGRID LAWRENCE 31	2:42.64 MAUREEN JONES 30	1:07.26 KARLYN PIPES 32
2:28.67 KAREN BURTON 91	2:19.48 DONNA HEINEL 32	2:43.23 LAURA O'HEIR 31	1:10.29 ANDREA DEVUONO 32
2:39.92 SUSIE FABIHA 27	2:20.74 MAUREEN JONES 30	50 M. BRST WOMEN 30-34	1:11.78 CATHY REDSON 32
2:43.15 LESLEY REID 29	2:20.85 AMY POPE 34	35.25 VAL KERR-HAUGE 91	1:12.94 KAREN BURTON 32
2:59.44 TANYA RICHARDSON 28	2:23.16 MERIT GREAVES 30	36.04 KARLYN PIPES 32	1:13.11 MICHELLE DOKTER 30
3:19.38 DIANNE BATSON 26	2:23.34 ANITA IRONS 30	36.61 MAUREEN MENDOZA 33	1:13.53 KERRY FREEMAN 31

TOP TEN

SHORT COURSE METERS

1:13.59 KATHY STEELE 30	5:16.04 JILL SCHULD 35	1:21.80 COKIE LEPINSKI 35	2:51.14 PATRICIA ROHNER 35
1:13.63 SHEILA MORTELL 32	800 M. FREE WOMEN 35-39	1:22.27 LISA BENNETT 38	2:51.91 MARY MAY 36
1:13.69 GRANATE SOSNOFF 31	9:24.81 BETH KNIGHT 94	1:24.64 S.NEILSON-BELL 38	2:58.30 MANDY SHUMAKER 38
1:14.01 MERIT GREAVES 30	9:24.81 BETH KNIGHT 35	1:25.19 CAROLE SHIGAKI 39	2:58.42 MORRI SPANG 37
200 M. I.M. WOMEN 30-34	10:10.37 NANCY LEWIS 35	1:26.70 KAREN FARNSWORTH 38	400 M. I.M. WOMEN 35-39
2:23.87 KARLYN PIPES 94	10:12.11 LINDA BUCHANAN 37	1:27.04 PAM DRAFTS 37	5:23.30 BETH KNIGHT 94
2:23.87 KARLYN PIPES 32	10:15.45 KAREN FARNSWORTH 38	1:29.00 PAM BECK 37	5:23.30 BETH KNIGHT 35
2:29.35 ANDREA DEVIUNO 32	10:26.12 MARY CHRIS CURL 37	1:29.22 LESLIE HENSHAW 35	5:40.03 KAREN FARNSWORTH 38
2:30.00 KAREN BURTON 32	10:26.71 NANCY KEMPER 36	1:29.22 MANDY SHUMAKER 38	5:41.44 B.MORSE-GILLHAM 38
2:33.06 SIAN NIMKOFF 30	11:04.74 JUDY LAMBERT 38	200 M. BRST WOMEN 35-39	6:08.09 CATHY NEVILLE 37
2:35.39 DONNA HEINEL 32	11:06.87 LINDA LIPINSKI 35	2:50.93 LESLIE OSBORNE 89	6:12.85 JILL SCHULD 35
2:38.05 CATHY REDSON 32	11:15.11 JO ANN HARRELSON 38	2:51.15 KAREN MELICK 37	6:14.04 MO CHAMBERS 36
2:38.09 CHERYL KUPAN 30	11:21.47 LAURA SCHAFFER 36	2:58.75 COKIE LEPINSKI 35	6:17.30 ELIN ZANDER 39
2:38.38 MICHELLE DOKTER 30	1500 M. FREE WOMEN 35-39	3:00.66 LISA BENNETT 38	6:20.09 KAREN MCLARTY 37
2:40.52 MERIT GREAVES 30	17:43.10 BETH KNIGHT 94	3:01.91 CAROLE SHIGAKI 39	6:20.23 ASHLEY NANCE 36
2:40.86 LYNN FISCHER 34	17:43.10 BETH KNIGHT 35	3:11.88 MANDY SHUMAKER 38	6:36.25 KIMBERLY PHILLIPS 36
400 M. I.M. WOMEN 30-34	19:13.83 KAREN FARNSWORTH 38	3:13.32 ELIN ZANDER 39	*****
5:06.19 KARLYN PIPES 94	19:24.96 MARGUERITE MEYER 35	3:13.45 KATHLEEN PEARSON 36	50 M. FREE WOMEN 40-44
5:06.19 KARLYN PIPES 32	19:45.83 MARY CHRIS CURL 37	3:13.48 PATRICIA SCHICK 38	27.76 LAURA VAL 93
5:09.81 KAREN BURTON 32	19:53.00 LINDA BUCHANAN 37	3:14.74 KATHLEEN REGIS 35	27.88 LAURA VAL 42
5:27.04 ANDREA DEVIUNO 32	21:16.78 JO ANN HARRELSON 38	3:17.75 ERIN CHILDS 36	29.74 BONNIE ADAIR 42
5:33.22 BARBARA MILANESE 32	22:16.56 REBECCA HOUKAL 36	50 M. FLY WOMEN 35-39	29.80 DANIELLE OGIER 42
5:33.90 S.MUNATONES 30	23:03.31 MARGARET HAIR 38	30.05 LAURA VAL 91	29.98 KARLENE WISE 41
5:38.24 ROSAMARIE MEYER 32	23:04.35 CAROL-ANN SMALLEY 37	31.44 BETH KNIGHT 35	30.14 R.BRITTINGHAM 43
5:40.23 LYNN FISCHER 34	23:48.84 SUSAN HOFFMAN 35	31.61 S.NEILSON-BELL 38	30.37 MARILYN FINK 40
5:41.84 CHERYL KUPAN 30	50 M. BACK WOMEN 35-39	32.37 GINA AGUILAR 35	30.66 JANE ZEIGLER 40
5:43.47 DONNA HEINEL 32	32.50 LAURA VAL 91	32.43 ELAINE FINCHAM 38	30.74 NEDRA MOORE 40
5:44.70 LUCILLE GLASSMAN 31	33.80 KAREN FARNSWORTH 38	32.57 SUZANNE NEWELL 35	31.73 DENISE KIRWAN 42
*****	34.27 CAROLE SHIGAKI 39	32.64 LISA BENNETT 38	31.98 DEB WALKER 43
50 M. FREE WOMEN 35-39	34.90 JANE ZIEGLER 39	32.91 CATHY NEVILLE 37	100 M. FREE WOMEN 40-44
26.24 S. NEILSON-BELL 93	36.31 MARILYN EARLY 36	33.18 MELINDA SCHMITT 36	1:00.68 LAURA VAL 93
26.29 S.NEILSON-BELL 37	36.60 MORRI SPANG 37	34.04 KAREN FARNSWORTH 38	1:01.33 LAURA VAL 42
27.47 BETH KNIGHT 35	36.68 S.BLATNER 37	34.32 CYNTHIA MALTRY 39	1:05.08 DANIELLE OGIER 42
28.49 GINA AGUILAR 35	36.72 MELINDA SCHMITT 36	100 M. FLY WOMEN 35-39	1:05.90 KARLENE WISE 41
29.19 MELINDA SCHMITT 36	36.73 LISA BENNETT 38	1:07.28 MARIA VELIKONJA 93	1:08.19 NEDRA MOORE 40
29.43 PAM DRAFTS 37	36.87 CYNTHIA MALTRY 39	1:09.81 BETH KNIGHT 35	1:08.82 MELANIE MOCIUN 41
29.62 SUZANNE NEWELL 35	37.18 ELAINE FINCHAM 38	1:12.41 SUSAN SKIFF 39	1:09.38 DENISE KIRWAN 42
29.80 JENNY LUKER 38	100 M. BACK WOMEN 35-39	1:13.77 S.NEILSON-BELL 38	1:10.91 KATHI BULLOCK 40
29.84 LINDA BUCHANAN 37	1:12.14 LAURA VAL 91	1:14.31 CATHY NEVILLE 37	1:12.32 KATHRYN WINE 42
30.01 MARY MAY 36	1:12.59 KATHERINE BRANCH 36	1:14.67 CAROLE SHIGAKI 39	1:13.02 BETSY FOSTER 40
30.62 JULIE PAQUE 36	1:13.27 KAREN FARNSWORTH 38	1:16.28 KAREN FARNSWORTH 38	1:13.26 SHERRY KITTRELL 42
100 M. FREE WOMEN 35-39	1:15.25 CAROLE SHIGAKI 39	1:18.35 JULIE D'AMBROSIOIA 38	200 M. FREE WOMEN 40-44
58.66 BETH KNIGHT 94	1:15.39 B.MORSE-GILLHAM 38	1:19.45 BARBIE FISHER 35	2:14.32 LAURA VAL 92
58.66 BETH KNIGHT 35	1:16.14 JANE ZIEGLER 39	1:19.53 THERESA MUTH 36	2:14.59 LAURA VAL 42
1:00.79 S.NEILSON-BELL 38	1:17.68 MARILYN FINK 39	1:20.68 NANCY LEWIS 35	2:20.72 DANIELLE OGIER 42
1:06.05 MARILYN FINK 39	1:17.99 MARILYN EARLY 36	200 M. FLY WOMEN 35-39	2:30.34 KATHI BULLOCK 40
1:06.29 PAM DRAFTS 37	1:18.10 CATHY NEVILLE 37	2:28.96 LAURA VAL 91	2:30.58 MELANIE MOCIUN 41
1:06.43 MARILYN EARLY 36	1:20.31 MORRI SPANG 37	3:01.88 REBECCA PYLE 38	2:33.57 GWEN DEELY 44
1:06.66 SUZANNE NEWELL 35	1:20.82 S.BLATNER 37	3:03.89 BARBIE FISHER 35	2:35.21 DENISE EVERITT 41
1:07.46 MARY MAY 36	200 M. BACK WOMEN 35-39	3:08.01 JULIE PAQUE 36	2:36.28 JOANNE BOWSER 40
1:07.51 MORRI SPANG 37	2:31.78 KATHERINE BRANCH 94	3:11.19 ANITA WALKER 36	2:37.91 KATHRYN WINE 42
1:08.33 ANITA CALLAHAN 36	2:31.78 KATHERINE BRANCH 36	3:21.28 THERESA MUTH 36	2:40.05 SHERRY KITTRELL 42
1:09.12 COKIE LEPINSKI 35	2:35.11 KAREN FARNSWORTH 38	3:23.74 PHRANC GOTTLIEB 36	2:46.90 SUSAN BEHLER 43
200 M. FREE WOMEN 35-39	2:38.34 B.MORSE-GILLHAM 38	3:24.98 JILL SCHULD 35	400 M. FREE WOMEN 40-44
2:07.74 BETH KNIGHT 94	2:44.49 CAROLE SHIGAKI 39	3:48.23 MELINDA KALIN 38	4:50.68 BARBARA DUNBAR 92
2:07.74 BETH KNIGHT 35	2:45.03 MARILYN EARLY 36	4:03.16 CINDY BRINKOP 38	4:55.62 DANIELLE OGIER 42
2:19.25 KATHERINE BRANCH 36	2:53.20 CATHY NEVILLE 37	100 M. I.M. WOMEN 35-39	5:12.70 KATHI BULLOCK 40
2:20.01 S.NEILSON-BELL 38	2:58.36 JILL SCHULD 35	1:08.15 S. NEILSON-BELL 92	5:15.44 DENISE EVERITT 41
2:24.10 SUSAN SKIFF 39	2:58.97 E SHANKLIN 37	1:11.46 BETH KNIGHT 35	5:16.68 KARLENE WISE 41
2:29.44 KAREN FARNSWORTH 38	3:00.97 LINDA LIPINSKI 35	1:11.91 S.NEILSON-BELL 38	5:22.86 MELANIE MOCIUN 41
2:29.82 NANCY KEMPER 36	3:02.09 MO CHAMBERS 36	1:14.67 LISA BENNETT 38	5:26.05 GWEN DEELY 44
2:32.86 JUDY LAMBERT 38	50 M. BRST WOMEN 35-39	1:14.75 SUZANNE NEWELL 35	5:27.15 JOANNE BOWSER 40
2:33.69 KAREN MCLARTY 37	34.63 LESLIE OSBORNE 89	1:14.77 CAROLE SHIGAKI 39	5:31.74 TERI HENDRYX 40
2:34.01 LINDA LIPINSKI 35	36.57 LISA BENNETT 38	1:16.47 KAREN FARNSWORTH 38	5:37.99 ELIN ZANDER 40
2:34.37 PAM DRAFTS 37	37.30 KAREN MELICK 37	1:16.72 MELINDA SCHMITT 36	5:45.29 DENISE KIRWAN 42
400 M. FREE WOMEN 35-39	37.67 BETH KNIGHT 35	1:17.37 PAM DRAFTS 37	800 M. FREE WOMEN 40-44
4:33.17 BETH KNIGHT 94	37.95 COKIE LEPINSKI 35	1:17.51 CYNTHIA MALTRY 39	10:04.16 BARBARA DUNBAR 91
4:33.17 BETH KNIGHT 35	38.18 CAROLE SHIGAKI 39	1:17.65 THERESA HARRIGAN 35	10:10.13 DANIELLE OGIER 42
4:49.29 KATHERINE BRANCH 36	39.05 LILI SPINOSA 35	200 M. I.M. WOMEN 35-39	10:39.32 DENISE EVERITT 41
4:54.41 B.MORSE-GILLHAM 38	39.41 JILL WHITNEY 37	2:30.87 BETH KNIGHT 94	11:05.29 GWEN DEELY 44
4:58.23 LINDA BUCHANAN 37	39.66 PAM DRAFTS 37	2:30.87 BETH KNIGHT 35	11:12.17 SHERRY KITTRELL 42
5:02.73 KAREN FARNSWORTH 38	40.13 THERESA HARRIGAN 35	2:38.07 KAREN FARNSWORTH 38	11:27.32 LAURIE GRUBBS 42
5:04.76 MARGUERITE MEYER 35	40.20 ERIN CHILDS 36	2:38.08 S.NEILSON-BELL 38	11:31.05 PAM GEIGER 41
5:04.76 LESLIE HENSHAW 35	100 M. BRST WOMEN 35-39	2:42.80 CAROLE SHIGAKI 39	11:35.99 KATHRYN WINE 42
5:06.36 PATRICIA ROHNER 35	1:16.70 LESLIE OSBORNE 89	2:45.83 CATHY NEVILLE 37	11:37.04 ELIN ZANDER 40
5:08.44 MARY CHRIS CURL 37	1:21.76 KAREN MELICK 37	2:49.60 KAREN MELICK 37	12:01.28 SUE BLOOMFIELD 42

TOP TEN SHORT COURSE METERS

12:16.94 LAURA CALWELL 44	3:17.16 TERI HENDRYX 41	6:23.66 ELIN ZANDER 40	27:32.33 MARY LOU HILL 46
1500 M. FREE WOMEN 40-44	3:17.38 ELIN ZANDER 40	6:29.72 PAT SARGEANT 41	27:38.59 GEORGIANA BAKER 47
19:00.81 BARBARA DUNBAR 90	3:17.44 JAN PESAVENTO 42	6:42.78 SHERRY KITTRELL 42	50 M. BACK WOMEN 45-49
20:07.13 DANIELLE OGIER 42	3:21.10 LAURIE GRUBBS 42	6:45.31 SUZANNE RAGUE 43	36.61 MIMI FRANK 93
20:29.27 DENISE EVERITT 41	3:21.52 JESSICA SEATON 41	7:13.68 JESSICA SEATON 41	37.24 MIMI FRANK 47
20:34.59 KATHI BULLOCK 40	3:25.02 BONNIE ADAIR 42	*****	38.86 SHARON WISE 47
20:44.05 PATRICIA MATTSOM 41	3:26.22 PATRICIA TIMMINS 40	50 M. FREE WOMEN 45-49	39.17 JEANNIE MITCHELL 48
21:31.56 LAURIE GRUBBS 42	3:30.07 M.HOLMBERG 41	30.05 NANCY RIDOUT 89	39.63 MARY POHLMANN 49
21:37.98 SHERRY KITTRELL 42	3:36.18 LAUREN BURDICK 41	31.15 SHARON WISE 47	39.90 MARCIA BARRY 46
21:57.23 PAM GEIGER 41	50 M. FLY WOMEN 40-44	31.24 JUDY REED 49	40.16 GINGER PIERSON 47
22:04.69 JAN PESAVENTO 42	30.18 LAURA VAL 92	31.93 ANN LYTTLE 46	40.73 JAN LEVINRAD 46
22:22.68 JUDY LANEY 41	30.73 LAURA VAL 42	32.33 LINDA MCHENRY 46	41.02 SUSAN CASE 45
23:15.50 LYNN RHUE 42	31.85 MARYANN STEVENS 41	32.77 ANN PAGE 46	41.19 B.EDELMAIER 47
50 M. BACK WOMEN 40-44	32.08 R.BRITTINGHAM 43	32.85 MIMI FRANK 47	41.42 L.MCHENRY 47
31.55 LAURA VAL 93	33.44 KARLENE WISE 41	33.05 NANCY STANBURY 45	100 M. BACK WOMEN 45-49
32.37 LAURA VAL 42	33.64 BONNIE ADAIR 42	33.24 MEEGAN WILSON 45	1:20.40 JEANNIE MITCHELL 92
35.24 JANE ZEIGLER 40	33.93 NEDRA MOORE 40	33.29 JAN LEVINRAD 46	1:21.78 MARIANNE BREMS 45
35.28 MARYANN STEVENS 41	35.76 DENISE EVERITT 41	33.33 GINGER PIERSON 48	1:23.09 MIMI FRANK 47
36.17 KARLENE WISE 41	35.77 A.WRIGHT-BELKNAP 44	100 M. FREE WOMEN 45-49	1:24.62 JEANNIE MITCHELL 48
36.68 R.BRITTINGHAM 43	35.80 TERI HENDRYX 40	1:06.64 SHARON WISE 92	1:25.60 GINGER PIERSON 47
37.15 JAN PESAVENTO 42	36.32 MARY-CHRIS KAY 40	1:09.25 F.WILLIAMSON 46	1:27.06 MARY POHLMANN 49
37.63 DEB WALKER 43	100 M. FLY WOMEN 40-44	1:09.53 BARBARA DUNBAR 45	1:27.72 CHRISTINE ZIMMET 46
38.10 DENISE KIRWAN 42	1:06.86 LAURA VAL 93	1:10.13 ANN LYTTLE 46	1:30.82 SUSAN CASE 45
38.25 NEDRA MOORE 40	1:07.10 LAURA VAL 42	1:11.63 KATHRINE CASEY 45	1:31.02 L.MCHENRY 47
38.78 SUSAN LEE 40	1:11.51 MARYANN STEVENS 41	1:11.78 ANN PAGE 46	1:31.07 LINDA MARIZ 45
100 M. BACK WOMEN 40-44	1:15.49 DENISE EVERITT 41	1:11.83 MARCIA BARRY 46	1:31.65 LINDA BUGNER 46
1:10.94 LAURA VAL 92	1:16.16 KARLENE WISE 41	1:14.46 ANNE GRAMS 47	200 M. BACK WOMEN 45-49
1:17.20 JANE ZEIGLER 40	1:16.72 R.BRITTINGHAM 43	1:15.42 TRISH KEMPER 48	2:53.75 MARIANNE BREMS 94
1:18.65 MARILYN FINK 40	1:22.73 TERI HENDRYX 41	1:15.96 KRISTINA KING 46	2:53.75 MARIANNE BREMS 45
1:19.93 KARLENE WISE 41	1:22.95 JOANNE BOWSER 40	1:16.22 JAN LEVINRAD 46	3:00.43 MIMI FRANK 47
1:22.49 JOANNE BOWSER 40	1:24.40 PAT SARGEANT 41	200 M. FREE WOMEN 45-49	3:02.05 MARY POHLMANN 49
1:23.65 BONNIE ADAIR 42	1:26.26 JAN PESAVENTO 42	2:22.24 BARBARA DUNBAR 94	3:03.58 JEANNIE MITCHELL 48
1:24.08 BRENDA MEYER 40	1:31.08 MARY-CHRIS KAY 40	2:22.24 BARBARA DUNBAR 45	3:03.62 KATHRINE CASEY 45
1:24.66 FRAN HARE 43	200 M. FLY WOMEN 40-44	2:34.65 ANN LYTTLE 46	3:05.08 GINGER PIERSON 47
1:25.82 TERI HENDRYX 41	2:29.19 LAURA VAL 93	2:39.54 SUZANNE DILLS 48	3:07.36 CHRISTINE ZIMMET 46
1:26.98 SUSAN BEHLER 43	2:38.51 MARYANN STEVENS 41	2:41.01 LUCY JOHNSON 47	3:09.53 LINDA MCHENRY 47
1:27.89 KATHRYN WINE 42	3:19.81 JAN PESAVENTO 43	2:41.20 ANNE GRAMS 47	3:11.13 LUCY JOHNSON 47
200 M. BACK WOMEN 40-44	3:21.79 SHERRY KITTRELL 42	2:41.35 KRISTINA KING 46	3:13.13 CATHERINE BROOKS 45
2:38.22 MARYANN STEVENS 93	3:29.09 MARY-CHRIS KAY 40	2:41.75 NANCY STANBURY 45	50 M. BRST WOMEN 45-49
2:55.26 KARLENE WISE 41	3:42.02 DEBBIE UTZ 41	2:42.21 MARIANNE BREMS 45	38.46 CAROLYN BOAK 93
2:56.55 JOANNE BOWSER 40	3:50.06 SUSAN COLE 43	2:44.72 RUTH BENNETT 47	40.37 GINGER PIERSON 48
3:03.06 GWEN DEELY 44	3:54.61 BETSY OWENS 42	2:47.74 MARY POHLMANN 49	40.58 MEEGAN WILSON 45
3:05.97 SUSAN LEE 40	3:55.82 LAURA MELDRUM 41	400 M. FREE WOMEN 45-49	41.10 KATHRINE CASEY 45
3:08.73 SUZANNE RAGUE 43	4:35.78 ROSEMARY HUTZLEY 40	4:56.49 BARBARA DUNBAR 94	41.63 LESLIE TREAT 45
3:10.51 SUSAN BEHLER 40	100 M. I.M. WOMEN 40-44	4:56.49 BARBARA DUNBAR 45	41.63 NANCY STANBURY 45
3:15.57 LISA WATSON 43	1:11.65 LAURA VAL 92	5:26.39 MARCIA BARRY 46	42.20 JANET GETTLING 46
3:36.16 PATRICIA TIMMINS 40	1:13.51 DANIELLE OGIER 42	5:28.91 MARIANNE BREMS 45	43.99 BARBARA WEITZ 47
3:36.44 LAURA MELDRUM 41	1:18.37 DEB WALKER 43	5:30.02 SUZANNE DILLS 48	44.09 MERRELL WILLIAMS 45
3:37.97 DEBBIE UTZ 41	1:19.47 KARLENE WISE 41	5:31.53 ANN LYTTLE 46	45.29 MARGOT PETTIJOHN 47
50 M. BRST WOMEN 40-44	1:20.75 NEDRA MOORE 40	5:34.74 KRISTINA KING 47	45.36 ANNE GRAMS 47
37.79 GAYLE BENTY 92	1:21.52 DIANE ROTHENBERG 41	5:39.01 ANNE GRAMS 47	100 M. BRST WOMEN 45-49
39.17 A.WRIGHT-BELKNAP 44	1:24.30 KATHRYN WINE 42	5:39.39 NANCY STANBURY 45	1:23.49 CAROLYN BOAK 92
39.81 DANIELLE OGIER 42	1:26.24 SUSAN BEHLER 43	5:46.08 LUCY JOHNSON 47	1:27.17 GINGER PIERSON 48
41.41 MARY LIOTTA 42	1:26.35 PAT SARGEANT 41	5:53.02 ANN SVANSON 48	1:28.40 MEEGAN WILSON 45
41.90 DIANE ROTHENBERG 41	1:27.57 MARY-CHRIS KAY 40	800 M. FREE WOMEN 45-49	1:30.07 NANCY STANBURY 45
42.60 TERI HENDRYX 40	1:27.79 M.HOLMBERG 41	11:04.43 JANE KATZ 91	1:31.25 LESLIE TREAT 45
42.97 JESSICA SEATON 41	200 M. I.M. WOMEN 40-44	11:13.18 MARIANNE BREMS 45	1:31.88 KATHRINE CASEY 45
43.06 MARA GARTON 42	2:33.89 LAURA VAL 92	11:15.07 MARCIA BARRY 46	1:33.04 JANET GETTLING 46
44.19 DENISE EVERITT 41	2:40.20 DANIELLE OGIER 42	11:25.80 ANN LYTTLE 46	1:36.41 BARBARA WEITZ 47
44.20 PAT LIEGEY 41	2:55.53 JOANNE BOWSER 40	11:26.48 KRISTINA KING 47	1:37.68 BARBARA DUNBAR 45
44.26 KATHRYN WINE 42	2:57.15 PATRICIA MATTSOM 41	11:43.31 LUCY JOHNSON 47	1:38.18 ANNE GRAMS 47
100 M. BRST WOMEN 40-44	2:57.28 DIANE ROTHENBERG 41	12:14.83 ANN SVANSON 48	1:38.25 MARGOT PETTIJOHN 47
1:22.19 GAYLE BENTY 92	3:01.50 TERI HENDRYX 41	12:25.52 KATHY CONTE 47	200 M. BRST WOMEN 45-49
1:22.41 DEB WALKER 43	3:02.43 KATHRYN WINE 42	12:27.80 VICKI BUCCINO 48	3:04.75 GINGER PIERSON 91
1:26.08 DANIELLE OGIER 42	3:02.89 GWEN DEELY 44	12:30.80 RUTH PETERSON 48	3:10.85 GINGER PIERSON 48
1:26.78 A.WRIGHT-BELKNAP 44	3:06.30 PAT SARGEANT 41	12:38.88 BETSY VOLOSHEN 47	3:12.84 NANCY STANBURY 45
1:30.95 JAN PESAVENTO 42	3:08.00 LAURIE GRUBBS 42	1500 M. FREE WOMEN 45-49	3:16.37 MEEGAN WILSON 45
1:31.75 DENISE EVERITT 41	3:08.65 SUE BLOOMFIELD 42	21:16.14 F WILLIAMSON 93	3:18.40 KATHRINE CASEY 45
1:33.51 LAURIE GRUBBS 42	400 M. I.M. WOMEN 40-44	21:42.20 F.WILLIAMSON 46	3:19.20 LESLIE TREAT 45
1:34.10 ELIN ZANDER 40	5:32.53 LAURA VAL 92	23:39.56 VICKI BUCCINO 48	3:20.47 BARBARA DUNBAR 45
1:34.83 JESSICA SEATON 41	5:36.71 MARYANN STEVENS 41	23:53.82 BETSY VOLOSHEN 47	3:31.60 SANDRA CATHEY 45
1:35.46 ELIZABETH KAY 42	5:46.38 DANIELLE OGIER 42	24:10.07 RUTH PETERSON 48	3:32.80 CATHERINE BROOKS 45
1:36.25 NANCY MILLER 44	6:05.19 KATHI BULLOCK 40	24:30.70 SANDRA CATHEY 45	3:33.64 MARGOT PETTIJOHN 47
200 M. BRST WOMEN 40-44	6:08.85 KARLENE WISE 41	25:12.20 KATHY CONTE 47	3:34.88 SUSAN CASE 45
2:54.12 GAYLE BENTY 92	6:16.62 JOANNE BOWSER 40	26:32.87 LOIS GOODMAN 47	50 M. FLY WOMEN 45-49
3:14.77 DIANE ROTHENBERG 41		26:51.76 DIANA MAHAFFEY 47	33.17 SHARON WISE 92

TOP TEN

SHORT COURSE METERS

33.55	BARBARA DUNBAR	45	33.74	LESLIE SMITH	53	44.57	CEIL BLACKWELL	54	1:19.98	DIANA TODD	51
35.10	ANNE GRAMS	47	37.33	PEGGY LEONG	50	45.36	LYNNE LUND	54	1:41.62	LYNNE LUND	54
35.13	SHARON WISE	47	37.84	SUE CALNEK	50	100 M. BRST WOMEN 50-54			1:45.32	PAMELA HIMSTREET	50
36.97	SANDI ROUSSEAU	46	37.88	CEIL BLACKWELL	54	1:20.50	ARDETH MUELLER	91	1:49.77	FREDERICKA RAPP	50
37.05	GINGER PIERSON	47	38.29	MARY PUDIM	54	1:24.27	BETTY BENNETT	51	1:51.79	FRANCESCA DRUM	52
37.11	B.EDELMAIER	47	38.42	PATRICIA RICHARD	50	1:27.82	JANE KATZ	51	1:53.56	SANDY ETNYRE	53
37.32	ANN PAGE	46	100 M. FREE WOMEN 50-54		1:31.70	JUDY DECKER	51	1:54.19	KATHY WILBURN	50	
37.50	MERRELL WILLIAMS	45	1:06.41	ARDETH MUELLER	91	1:31.72	DIANA TODD	51	2:04.36	MARILYN RAMEY	53
38.87	JAN LEVINRAD	46	1:10.62	JUDY REED	50	1:32.45	CYNTHIA O'HARE	50	2:26.85	MARGIE HUTINGER	54
39.44	NANCY STANBURY	45	1:14.30	NANCY RIDOUT	51	1:33.86	JENNIFER PARKS	50	2:31.94	KITTY JOHNSTON	52
100 M. FLY WOMEN 45-49			1:17.38	SUE CALNEK	51	1:35.21	PINKY WALKER	51	200 M. FLY WOMEN 50-54		
1:12.53	BARBARA DUNBAR	94	1:18.12	CHARLOTTE JENKINS	54	1:37.21	CEIL BLACKWELL	54	3:11.83	SPERRY RADEMAKER	89
1:12.53	BARBARA DUNBAR	45	1:28.37	VIRGINIA NEUMAN	50	1:37.75	FREDERICKA RAPP	50	4:03.81	MARYLOU SCHULZ	53
1:26.13	GINGER PIERSON	48	1:28.98	MARY PUDIM	54	1:37.78	VIRGINIA NEUMAN	50	4:10.04	FREDERICKA RAPP	50
1:26.90	MARIANNE BREMS	45	1:30.10	JENNIFER PARKS	50	200 M. BRST WOMEN 50-54			4:37.27	CAROL SING	53
1:26.93	SANDI ROUSSEAU	47	1:30.59	FRANCESCA DRUM	52	2:48.88	ARDETH MUELLER	91	5:41.01	KITTY KESSLER	51
1:27.65	ANN PAGE	46	1:31.40	LYNNE LUND	54	3:07.33	BETTY BENNETT	51	100 M. I.M. WOMEN 50-54		
1:27.82	JAN LEVINRAD	46	1:32.08	CHARLOTTE COWAN	54	3:09.13	JANE KATZ	51	1:18.05	ARDETH MUELLER	91
1:28.67	SUZANNE DILLS	48	200 M. FREE WOMEN 50-54		3:17.93	JUDY DECKER	51	1:27.70	ELAINE BROMWICH	51	
1:29.15	JANET GETTLING	46	2:28.85	ARDETH MUELLER	91	3:24.74	JENNIFER PARKS	50	1:28.95	CYNTHIA O'HARE	50
1:31.12	CHRISTINE ZIMMET	47	2:44.22	JUDY REED	50	3:25.42	JUDY HORSLEY	50	1:29.09	BETTY BENNETT	51
1:33.09	LINDA MARIZ	45	2:51.33	BETTY BENNETT	51	3:27.14	FREDERICKA RAPP	50	1:31.70	LESLIE SMITH	53
200 M. FLY WOMEN 45-49			3:00.35	FREDERICKA RAPP	50	3:28.19	CEIL BLACKWELL	54	1:34.73	PINKY WALKER	51
2:37.88	ARDETH MUELLER	87	3:03.09	SUE CALNEK	50	3:30.73	MARYLOU SCHULZ	53	1:35.49	DANIELA BARNEA	50
2:38.59	BARBARA DUNBAR	45	3:04.18	PAT WHITE MALEY	51	3:31.17	PINKY WALKER	51	1:35.65	CEIL BLACKWELL	54
3:07.77	GINGER PIERSON	48	3:06.52	PAM HIMSTREET	51	3:34.93	PAT WHITE MALEY	51	1:38.04	PEGGY LEONG	50
3:10.63	LUCY JOHNSON	47	3:10.70	ATIE CARON	52	50 M. BRST WOMEN 50-54			1:38.10	FREDERICKA RAPP	50
3:14.99	B.EDELMAIER	47	3:15.52	EILA MATZA	50	40.43	ELAINE BROMWICH	94	1:38.55	ELIZABETH JOHNSON	54
3:18.92	CHRISTINE ZIMMET	46	3:18.38	FRANCESCA DRUM	52	40.43	ELAINE BROMWICH	51	200 M. I.M. WOMEN 50-54		
3:23.85	BARBARA LARSEN	46	3:18.67	CEIL BLACKWELL	54	42.55	NANCY BROOKS	51	3:04.26	NANCY RIDOUT	92
3:27.46	MARY POHLMAN	49	400 M. FREE WOMEN 50-54		43.80	DANIELA BARNEA	50	3:19.32	CYNTHIA O'HARE	50	
3:28.84	EDITH JACOBSEN	47	5:12.43	ARDETH MUELLER	91	44.07	NANCY RIDOUT	52	3:28.79	FREDERICKA RAPP	50
3:37.40	FRANCES SHEPERD	45	5:37.29	BARBARA FRID	51	44.32	MAUREEN KIKUT	50	3:32.23	PAMELA HIMSTREET	50
3:44.74	SANDRA CATHEY	45	5:42.59	JANE KATZ	51	44.81	BEA HACKETT	50	3:33.23	SUZY CARLSON	52
100 M. I.M. WOMEN 45-49			5:47.03	NANCY RIDOUT	52	45.58	JUDY DECKER	51	3:33.77	SANDY ETNYRE	52
1:14.41	ARDETH MUELLER	87	6:12.60	JUDY REED	50	45.76	PATRICIA RICHARD	50	3:34.91	CEIL BLACKWELL	54
1:18.17	BARBARA DUNBAR	45	6:16.99	PINKY WALKER	51	47.24	PATRICIA RIONING	50	3:36.38	FRANCESCA DRUM	52
1:21.55	GINGER PIERSON	48	6:24.43	PAT WHITE MALEY	51	47.55	ELIZABETH JOHNSON	54	3:40.47	LYNNE LUND	54
1:22.63	ANNE GRAMS	47	6:26.78	FREDERICKA RAPP	50	100 M. BRST WOMEN 50-54			3:42.77	AMY JOHNSON	52
1:22.92	MIMI FRANK	47	6:35.84	LOUISE MURRAY	53	1:27.38	ELAINE BROMWICH	94	3:47.17	CAROL SING	53
1:25.12	MEEGAN WILSON	45	6:40.56	VICKIE CONNOLLY	50	1:27.38	ELAINE BROMWICH	51	400 M. I.M. WOMEN 50-54		
1:25.61	NANCY STANBURY	45	6:40.75	EILA MATZA	50	1:34.98	NANCY BROOKS	51	5:56.24	ARDETH MUELLER	91
1:25.80	L.MCHENRY	47	800 M. FREE WOMEN 50-54		1:36.44	MAUREEN KIKUT	50	6:43.95	JANE KATZ	51	
1:26.13	LINDA MARIZ	45	11:20.21	NANCY RIDOUT	92	1:38.24	DANIELA BARNEA	50	7:29.27	FREDERICKA RAPP	50
1:26.45	JEANNIE MITCHELL	48	11:43.55	NANCY RIDOUT	52	1:42.64	PAMELA HIMSTREET	50	7:37.80	SANDY ETNYRE	52
1:26.58	SUZANNE DILLS	48	11:52.63	JANE KATZ	51	1:45.45	FRANCESCA DRUM	52	7:40.97	FRANCESCA DRUM	52
200 M. I.M. WOMEN 45-49			12:52.43	ELAINE BROMWICH	51	1:46.50	BEA HACKETT	50	7:42.20	MARYLOU SCHULZ	53
2:42.88	ARDETH MUELLER	87	13:03.17	FREDERICKA RAPP	50	1:47.27	AMY JOHNSON	52	8:04.15	CAROL SING	53
2:47.93	BARBARA DUNBAR	45	13:14.10	SUE CALNEK	50	1:50.53	EVELYN SINAI	54	8:19.18	MARILYN RAMEY	54
2:59.34	GINGER PIERSON	47	13:46.67	VICKIE CONNOLLY	50	1:52.15	MARY PUDIM	54	9:00.43	KATHY WILBURN	50
3:00.94	MARIANNE BREMS	45	13:52.58	PEGGY WHITER	50	200 M. BRST WOMEN 50-54			9:33.91	MARGIE HUTINGER	54
3:04.20	JANET GETTLING	46	14:05.67	SANDY ETNYRE	52	3:09.57	ELAINE BROMWICH	93	10:17.08	KITTY KESSLER	51
3:04.49	LUCY JOHNSON	47	14:29.05	CAROL SING	53	3:26.92	NANCY BROOKS	51	*****		
3:04.82	ANNE GRAMS	47	14:53.93	CHARLOTTE COWAN	54	3:35.41	PAMELA HIMSTREET	51	50 M. FREE WOMEN 55-59		
3:14.26	ANN PAGE	46	1500 M. FREE WOMEN 50-54		3:42.77	FRANCESCA DRUM	52	31.83	JAYNE BRUNER	89	
3:14.62	ANN SVANSON	48	21:44.35	LAVELLE STOINOFF	87	3:49.31	PATRICIA RIONING	50	33.75	JAYNE LAMBKE	55
3:15.03	CATHERINE BROOKS	45	23:56.91	ELAINE BROMWICH	51	3:52.62	CAROL SING	53	34.06	BARBARA ZAREMSKI	57
3:15.46	SANDRA CATHEY	45	25:19.23	FREDERICKA RAPP	50	3:53.06	MARY PUDIM	54	35.35	CHARLOTTE JENKINS	55
400 M. I.M. WOMEN 45-49			25:28.73	PAM HIMSTREET	51	3:56.21	SANDY ETNYRE	53	35.65	BETSY JORDAN	57
5:55.35	ARDETH MUELLER	87	26:31.09	CAROL SING	53	3:57.33	MARILYN RAMEY	54	36.20	JEANNE LITTLE	57
6:14.57	MARIANNE BREMS	45	27:35.17	CHARLOTTE COWAN	54	3:58.09	EVELYN SINAI	54	36.60	CAROL MACPHERSON	56
6:30.15	ANNE GRAMS	47	27:39.45	CLAIRE BROWN	50	4:00.14	FREDERICKA RAPP	50	37.53	CLAIRE OBRIEN	55
6:30.46	GINGER PIERSON	48	28:06.66	MARILYN RAMEY	54	50 M. FLY WOMEN 50-54			37.80	SALLY NEWELL	57
6:46.02	EDITH JACOBSEN	47	28:38.49	MARLEN VALDERHAUG	53	33.85	DIANA TODD	94	38.19	BEVERLY MYERS	59
6:48.53	SANDRA CATHEY	45	28:55.75	J.DESBARATS	51	33.85	DIANA TODD	51	38.46	ANN MCDONNELL	56
7:06.12	CATHERINE BROOKS	45	29:27.92	M.SANFORD-CHARLTO	51	36.03	JUDY REED	50	100 M. FREE WOMEN 55-59		
7:12.02	SUSAN CASE	45	50 M. BACK WOMEN 50-54		37.65	BARBARA HOELLEN	50	1:11.63	JAYNE BRUNER	89	
7:20.79	KRISTI LOONEY	46	37.59	BETSY JORDAN	91	37.98	NANCY RIDOUT	52	1:15.61	JAYNE LAMBKE	55
10:33.83	CAROL HALL	46	37.81	BETTY BENNETT	51	39.42	CYNTHIA O'HARE	50	1:20.21	BETSY JORDAN	57
*****			40.56	JUDY REED	50	40.79	JANE KATZ	51	1:22.42	BEVERLY MYERS	59
50 M. FREE WOMEN 50-54			41.44	JANE KATZ	51	43.54	DANIELA BARNEA	50	1:23.58	CAROL MACPHERSON	55
30.48	NANCY RIDOUT	92	43.35	PINKY WALKER	51	43.56	LYNNE LUND	54	1:23.81	CLAIRE OBRIEN	55
31.02	DIANA TODD	51	43.68	JUDY HORSLEY	50	44.86	SANDY CATTARIN	54	1:25.26	PATRICIA TULLMAN	57
31.24	JUDY REED	50	44.28	NANCY BROOKS	51	45.90	VICKIE CONNOLLY	50	1:26.41	BARBARA ZAREMSKI	57
31.83	CYNTHIA O'HARE	50	44.32	JENNIFER PARKS	50	100 M. FLY WOMEN 50-54			1:27.87	JEAN FOX	59
32.10	NANCY RIDOUT	52	44.43	VIRGINIA NEUMAN	50	1:12.66	ARDETH MUELLER	91	1:32.23	SYLVIA GLENN	56

TOP TEN

SHORT COURSE METERS

1:33.22 SALLY NEWELL 57	3:11.78 ANN CHAMP 59	4:48.35 DORIS PROKOPI 58	3:32.03 GAY COLLINS 64
200 M. FREE WOMEN 55-59	3:20.07 SUSAN LIVINGSTON 55	4:55.31 MARIANNE BROGAN 59	400 M. FREE WOMEN 60-64
2:40.27 LAVELLE STOINOFF 89	3:20.11 BEVERLY MYERS 59	5:43.82 EDNA SPRING 55	5:38.06 LAVELLE STOINOFF 93
2:47.55 JAYNE LAMBKE 55	3:37.11 ANN MCDONNELL 56	7:33.37 KAY MARTIN 58	5:59.77 RONNIE KAMPHAUSEN 60
2:52.33 SUSAN MUNN 55	3:43.52 SUSAN SPRINGER 56	100 M. I.M. WOMEN 55-59	6:37.42 ANNE MCGUIRE 60
2:56.89 BETSY JORDAN 57	3:43.60 BARBARA ZAREMSKI 57	1:24.19 JAYNE BRUNER 89	6:38.87 ANN KAY 60
2:59.07 CLAIRE OBRIEN 55	3:52.97 SYLVIA GLENN 56	1:30.64 JAYNE BRUNER 59	6:41.43 ANN PISCIOTTA 63
3:02.12 BARBARA ZAREMSKI 57	3:55.81 BARBARA BOWER 57	1:30.91 BETSY JORDAN 57	6:52.12 MALCHIA OLSHAN 63
3:08.90 ANN MCDONNELL 56	4:01.42 PATRICIA ARNOLD 55	1:31.40 BEVERLY MYERS 59	7:07.88 ADRIENNE PIPES 60
3:08.93 PATRICIA TULLMAN 57	50 M. BRST WOMEN 55-59	1:33.77 SUSAN MUNN 56	7:09.74 DONNA MONROE 61
3:13.26 JAN MILLER 55	40.69 JAYNE BRUNER 91	1:41.86 JAN MILLER 55	7:36.37 HARRIET FORKEY 61
3:18.04 SYLVIA GLENN 56	41.10 JOANN LEILICH 55	1:41.90 JEAN STERLING 57	7:48.72 DORTHEA SCRAK 63
3:18.30 ANN GINDROZ 55	42.41 JAYNE BRUNER 59	1:42.62 ALICE JONES 56	8:00.26 BARBARA ALLEN 61
400 M. FREE WOMEN 55-59	46.36 SALLY NEWELL 57	1:44.99 DAWN STROUPE 56	800 M. FREE WOMEN 60-64
5:34.32 LAVELLE STOINOFF 89	47.42 ANN CHAMP 59	1:45.21 SUSAN SPRINGER 56	11:30.55 LAVELLE STOINOFF 93
5:57.89 JAYNE LAMBKE 55	47.65 JACQUELYN PIPER 57	1:47.40 JEAN FOX 59	13:38.55 ANNE MCGUIRE 60
6:05.60 SUSAN MUNN 56	48.36 BEVERLY MYERS 59	200 M. I.M. WOMEN 55-59	13:50.18 ANN KAY 60
6:10.97 SUSAN BRADLEY-COX 57	48.42 ALICE JONES 56	3:05.53 BETSY JORDAN 92	14:04.59 MARGARET TIMMINS 64
6:15.46 CHARLOTTE JENKINS 55	48.91 CAROL MACPHERSON 56	3:17.07 BETSY JORDAN 57	14:08.12 MALCHIA OLSHAN 63
6:17.22 BETSY JORDAN 57	49.76 DAWN STROUPE 56	3:20.51 BEVERLY MYERS 59	14:28.56 ADRIENNE PIPES 60
6:27.05 BARBARA ZAREMSKI 57	50.54 JEAN STERLING 57	3:23.62 SUSAN MUNN 56	14:32.14 DONNA MONROE 61
6:42.94 SUSAN SPRINGER 56	100 M. BRST WOMEN 55-59	3:28.28 SUSAN LIVINGSTON 55	15:41.19 NANCY WAITE 60
6:44.24 CLARINE ANDERSON 59	1:29.88 JOANN LEILICH 94	3:31.32 BARBARA ZAREMSKI 57	16:29.56 ANN DALLAM 64
6:53.57 PATRICIA TULLMAN 57	1:29.88 JOANN LEILICH 55	3:34.04 JAN MILLER 55	17:23.45 RUTH FARNHAM 64
6:57.49 ANN GINDROZ 55	1:35.78 JAYNE BRUNER 59	3:39.23 ALICE JONES 56	17:27.87 MARY JANE MULLINS 63
800 M. FREE WOMEN 55-59	1:41.75 JACQUELYN PIPER 57	3:47.37 SUSAN SPRINGER 56	1500 M. FREE WOMEN 60-64
11:29.99 LAVELLE STOINOFF 89	1:41.80 SALLY NEWELL 57	3:48.16 JEAN STERLING 57	22:54.51 LAVELLE STOINOFF 94
12:18.62 JAYNE LAMBKE 55	1:43.27 BEVERLY MYERS 59	3:48.38 DAWN STROUPE 56	22:54.51 LAVELLE STOINOFF 61
12:28.39 SUSAN BRADLEY-COX 57	1:44.51 ALICE JONES 56	400 M. I.M. WOMEN 55-59	25:49.03 ANNE MCGUIRE 60
12:39.29 SUSAN MUNN 56	1:45.49 BETSY JORDAN 57	6:39.90 BETSY JORDAN 92	26:25.50 MALCHIA OLSHAN 63
12:51.16 BETSY JORDAN 57	1:45.70 BARBARA ZAREMSKI 57	7:07.98 BETSY JORDAN 57	26:30.28 MARGARET TIMMINS 64
12:51.45 CHARLOTTE JENKINS 55	1:46.86 JEAN STERLING 57	7:09.64 SUSAN MUNN 56	26:33.48 ANN PISCIOTTA 63
12:58.64 BARBARA ZAREMSKI 57	1:46.89 DAWN STROUPE 56	7:14.78 SUSAN LIVINGSTON 55	27:01.46 MARIA YUNGEL 62
13:42.74 SUSAN SPRINGER 56	200 M. BRST WOMEN 55-59	7:57.14 SUSAN SPRINGER 56	27:06.44 ADRIENNE PIPES 60
13:52.98 ANN MCDONNELL 56	3:16.58 JOANN LEILICH 94	8:05.15 JEAN STERLING 57	29:39.12 NANCY WAITE 60
14:03.41 PATRICIA TULLMAN 57	3:16.58 JOANN LEILICH 55	8:25.30 INGRID STINE 55	30:31.01 ANN DALLAM 64
14:15.93 SYLVIA GLENN 56	3:51.57 ALICE JONES 56	8:25.83 JANET MOELLER 59	31:16.31 BARBARA ALLEN 61
1500 M. FREE WOMEN 55-59	3:51.64 DAWN STROUPE 56	8:26.80 PATRICIA ARNOLD 55	50 M. BACK WOMEN 60-64
21:35.84 LAVELLE STOINOFF 89	3:51.99 BETSY JORDAN 57	10:37.52 EDNA SPRING 55	39.60 CLARA WALKER 89
23:17.18 SUSAN BRADLEY-COX 57	3:55.93 SUSAN LIVINGSTON 55	11:59.25 KAY MARTIN 58	40.71 RONNIE KAMPHAUSEN 60
23:31.93 JAYNE LAMBKE 55	3:58.64 JEAN STERLING 57	*****	44.57 ANN KAY 60
24:12.93 BETSY JORDAN 57	4:08.71 SANDY STEER 57	50 M. FREE WOMEN 60-64	46.50 DENA MANN 62
24:28.34 BARBARA ZAREMSKI 57	4:14.16 DORIS PROKOPI 58	34.87 MARGARET TIMMINS 93	46.77 SUZANNE ROBBINS 60
24:30.70 CHARLOTTE JENKINS 55	4:18.26 PATRICIA ARNOLD 55	34.95 RONNIE KAMPHAUSEN 60	47.92 ANN PISCIOTTA 63
26:01.15 SUSAN SPRINGER 56	4:20.02 SYLVIA GLENN 56	35.56 MARGARET TIMMINS 64	47.93 ARDIS BOURLAND 61
26:57.53 SYLVIA GLENN 56	50 M. FLY WOMEN 55-59	36.06 DIANE STOWELL 60	49.75 BARBARA ALLEN 61
27:06.98 BARBARA BOWER 57	37.50 BETSY JORDAN 92	37.41 DIANE REED 63	49.85 ANNE MCGUIRE 60
27:25.07 PATRICIA ARNOLD 55	37.70 JAYNE LAMBKE 55	37.86 ANN KAY 60	49.91 GAY COLLINS 64
28:49.00 TANAKO HAGIWARA 56	39.71 CHARLOTTE JENKINS 55	38.08 BARBARA JOHNSON 61	52.44 BARBARA CALLISON 61
50 M. BACK WOMEN 55-59	41.03 BETSY JORDAN 57	38.85 DENA MANN 62	100 M. BACK WOMEN 60-64
37.92 BETSY JORDAN 92	41.09 BEVERLY MYERS 59	38.86 NANCY WAITE 60	1:29.13 CLARA WALKER 89
39.17 BETSY JORDAN 57	44.25 ADRIENNE PIPES 59	39.80 HARRIET FORKEY 61	1:32.31 LAVELLE STOINOFF 61
42.39 ANN CHAMP 59	44.85 JEANNE LITTLE 57	39.86 ANNE MCGUIRE 60	1:37.73 ANN KAY 60
42.75 BEVERLY MYERS 59	46.19 ALICE JONES 56	100 M. FREE WOMEN 60-64	1:38.16 DENA MANN 62
43.11 CAROL MACPHERSON 56	47.33 ERNESTINE BEATTIE 58	1:16.63 LAVELLE STOINOFF 93	1:44.41 ANN PISCIOTTA 63
47.54 SUSAN SPRINGER 56	47.85 ANN MCDONNELL 56	1:17.93 RONNIE KAMPHAUSEN 60	1:48.46 GAY COLLINS 64
47.75 BARBARA ZAREMSKI 57	49.43 JEAN STERLING 57	1:21.46 DIANE STOWELL 60	1:48.51 SUZANNE ROBBINS 61
47.76 SUE STRALEY 57	100 M. FLY WOMEN 55-59	1:22.88 DENA MANN 62	1:50.57 KATHIE THEIS 61
51.28 PATRICIA ARNOLD 55	1:27.95 BETSY JORDAN 92	1:24.20 DIANE REED 63	1:53.72 BARBARA ALLEN 61
51.43 BARBARA BOWER 57	1:31.26 JAYNE LAMBKE 55	1:26.15 ANN KAY 60	1:55.18 JOAN STUART 61
52.18 SYLVIA GLENN 56	1:32.41 JAYNE BRUNER 59	1:30.01 ANN PISCIOTTA 63	1:56.01 ARDIS BOURLAND 61
100 M. BACK WOMEN 55-59	1:33.14 BETSY JORDAN 57	1:30.33 GAY COLLINS 64	200 M. BACK WOMEN 60-64
1:21.90 BETSY JORDAN 92	1:34.72 CHARLOTTE JENKINS 55	1:30.48 ADRIENNE PIPES 60	3:16.14 DORIS STEADMAN 88
1:25.79 BETSY JORDAN 57	1:37.19 SUSAN MUNN 56	1:31.55 BARBARA JOHNSON 61	3:27.03 ANN KAY 60
1:31.62 ANN CHAMP 59	1:41.12 SUSAN LIVINGSTON 55	1:33.38 MALCHIA OLSHAN 63	3:44.03 ANN PISCIOTTA 63
1:33.45 BEVERLY MYERS 59	1:44.88 JAN MILLER 55	200 M. FREE WOMEN 60-64	3:49.99 JOY ROSS 60
1:43.71 BARBARA ZAREMSKI 57	1:48.81 ADRIENNE PIPES 59	2:39.92 LAVELLE STOINOFF 93	3:54.83 SUZANNE ROBBINS 60
1:44.02 SUE STRALEY 57	1:51.66 BARBARA ZAREMSKI 57	3:05.00 DENA MANN 62	4:03.32 GAY COLLINS 64
1:45.72 SUSAN SPRINGER 56	1:54.69 DAWN STROUPE 56	3:12.96 DIANE REED 63	4:08.07 BARBARA ALLEN 61
1:46.33 PATRICIA TULLMAN 57	200 M. FLY WOMEN 55-59	3:15.95 ANN PISCIOTTA 63	4:08.35 JOAN CAMPBELL 64
1:50.46 SYLVIA GLENN 56	3:20.43 GAIL ROPER 86	3:17.16 ADRIENNE PIPES 60	4:15.23 PENNY WEAVER 60
1:52.20 KAREN FORFAR 56	3:28.37 JAYNE LAMBKE 55	3:17.63 MALCHIA OLSHAN 63	4:23.54 B.L'ESPERANCE 62
1:52.68 BARBARA BOWER 57	3:38.54 SUSAN LIVINGSTON 55	3:22.22 BARBARA JOHNSON 61	4:40.00 NANCY MCPHEE 61
200 M. BACK WOMEN 55-59	3:44.29 BETSY JORDAN 57	3:24.57 BARBARA CALLISON 60	50 M. BRST WOMEN 60-64
3:00.66 BETSY JORDAN 92	4:13.87 PATRICIA TULLMAN 57	3:26.65 DONNA MONROE 60	44.91 ANN PISCIOTTA 94
3:07.15 BETSY JORDAN 57	4:18.85 INGRID STINE 55	3:29.75 JAN RAINS 60	44.91 ANN PISCIOTTA 63

TOP TEN

SHORT COURSE METERS

45.80 ANNE MCGUIRE	60	1:54.05 JOY ROSS	60	800 M. FREE WOMEN 65-69	1:55.74 M.J. AMSBARY	69
46.50 DIANE STOWELL	60	1:58.09 PEGGY BUCHANNAN	61	12:35.26 CLARA WALKER	1:56.63 ALICIA COLEMAN	68
49.33 IDA SMITH	60	2:01.55 MAXINE NELLEN	62	13:09.53 CLARA WALKER	2:06.23 MARIANNA HAGAN	65
50.97 BARBARA CALLISON	61	200 M. I.M. WOMEN 60-64		13:13.58 GAIL ROPER	2:09.00 JOAN GLARATON	67
54.32 JOAN ALEXANDER	62	3:14.28 CLARA WALKER	90	13:34.15 JUNE KRAUSER	2:09.15 GLADYS OLSEN	68
55.01 HANNELORE SNYDER	64	3:20.42 RONNIE KAMPHAUSEN	60	14:02.71 BETTY RUSS	2:14.68 RUTH AARON	65
55.52 JOAN CAMPBELL	64	3:21.38 DIANE STOWELL	60	14:40.15 ANITA HAZEN	2:15.38 HEDY ESPOSITO	66
55.77 MAXINE NELLEN	62	3:31.31 ANNE MCGUIRE	60	15:22.87 BARBARA OWENS	2:15.60 MARJORIE CROZIER	68
56.20 MABEL WEIL	64	3:35.88 ANN PISCIOTTA	63	15:49.54 FAY BECK	200 M. BRST WOMEN 65-69	
100 M. BRST WOMEN 60-64		3:40.52 BARBARA CALLISON	61	16:01.66 RUTH AARON	3:48.71 REGAN KENNER	90
1:37.78 ANN PISCIOTTA	92	3:54.57 JOAN ALEXANDER	62	16:26.30 CLARA SOTAK	3:55.14 JUNE KRAUSER	68
1:40.95 ANNE MCGUIRE	60	3:57.03 ADRIENNE PIPES	60	16:47.71 MATHILDA HUBER	4:22.03 BARBARA OWENS	65
1:41.11 ANN PISCIOTTA	63	4:02.98 MALCHIA OLSHAN	63	1500 M. FREE WOMEN 65-69	4:32.32 GLADYS OLSEN	68
1:41.33 DIANE STOWELL	60	4:14.72 PEGGY BUCHANNAN	61	23:38.44 CLARA WALKER	4:32.49 JOAN GLARATON	67
1:49.11 BARBARA CALLISON	61	4:18.57 MARY JANE MULLINS	63	24:42.67 CLARA WALKER	4:34.59 LOIS NOCHMAN	69
2:02.45 JAN RAINS	60	400 M. I.M. WOMEN 60-64		25:23.87 JUNE KRAUSER	4:42.23 MATHILDA HUBER	66
2:02.48 JOAN CAMPBELL	64	6:58.97 CLARA WALKER	91	25:35.10 GAIL ROPER	4:48.38 HEDY ESPOSITO	66
2:03.88 HANNELORE SNYDER	64	7:21.21 ANNE MCGUIRE	60	25:38.14 BETTY RUSS	5:41.17 BARBARA EBERLE	65
2:06.32 MALCHIA OLSHAN	63	7:22.80 JAYNE BRUNER	60	29:08.61 BARBARA OWENS	50 M. FLY WOMEN 65-69	
2:10.97 ALYCE VOGEL	62	7:31.14 ANN PISCIOTTA	63	29:42.65 FLORENCE CARR	40.24 GAIL ROPER	94
2:12.08 ANN DALLAM	64	8:12.90 MARIA YUNGEL	62	29:45.46 FAY BECK	40.24 GAIL ROPER	65
200 M. BRST WOMEN 60-64		8:26.02 ADRIENNE PIPES	60	30:00.31 RUTH AARON	43.94 JUNE KRAUSER	68
3:34.29 ANN PISCIOTTA	94	8:33.35 DONNA MONROE	61	31:53.21 NANCY REED	44.62 NANCY MACBETH	65
3:34.29 ANN PISCIOTTA	63	8:41.29 NANCY MCPHEE	61	32:51.40 IRENE D'AGOSTINO	47.21 FLORENCE CARR	69
3:36.67 ANNE MCGUIRE	60	9:10.71 MARY JANE MULLINS	63	50 M. BACK WOMEN 65-69	47.64 DELLA SEHORN	67
4:05.27 JOAN ALEXANDER	62	10:20.26 RENNE PROTAPAS	64	40.48 DORIS STEADMAN	49.28 BETTY RUSS	67
4:11.26 JOY ROSS	60	11:56.46 TRISH HUNTER	60	43.57 CYNTHIA BRUCE	54.59 CAROLYN DERR	66
4:19.98 MALCHIA OLSHAN	63	*****		46.29 NANCY MACBETH	55.64 BETTY DUNN	69
4:30.37 HANNELORE SNYDER	64	50 M. FREE WOMEN 65-69		46.40 GAIL ROPER	1:02.06 HEDY ESPOSITO	66
4:31.94 JOAN CAMPBELL	64	35.76 CLARA WALKER	91	46.48 DELLA SEHORN	1:04.95 GLADYS OLSEN	68
4:46.67 JANET KAVADAS	62	37.54 CYNTHIA BRUCE	66	48.46 DORIS MCEWAN	100 M. FLY WOMEN 65-69	
4:49.96 ELFRIEDE LEHTO	61	38.10 NANCY MACBETH	65	48.75 JUNE KRAUSER	1:37.53 GAIL ROPER	94
4:53.66 ANN DALLAM	64	38.33 BETTY RUSS	67	49.58 FLORENCE CARR	1:37.53 GAIL ROPER	65
50 M. FLY WOMEN 60-64		38.93 JUNE KRAUSER	68	50.85 JOAN MCINTYRE	1:39.65 JUNE KRAUSER	68
39.64 ANNE ADAMS	89	39.13 FLORENCE CARR	69	52.48 LOIS NOCHMAN	1:45.14 DELLA SEHORN	67
43.50 ANNE MCGUIRE	60	41.04 DORIS MCEWAN	69	53.12 M.J. AMSBARY	1:45.63 NANCY MACBETH	65
43.88 BARBARA CALLISON	61	41.88 SUZANNE GRAHAM	68	100 M. BACK WOMEN 65-69	1:51.05 BETTY RUSS	67
45.50 ADRIENNE PIPES	60	42.34 S.HASSELBACHER	68	1:30.41 DORIS STEADMAN	1:58.76 FLORENCE CARR	69
48.37 ANN PISCIOTTA	63	42.58 CAROLYN DERR	66	1:39.23 NANCY MACBETH	2:03.11 BARBARA OWENS	65
50.15 JOAN ALEXANDER	62	43.03 ANITA HAZEN	66	1:40.65 DELLA SEHORN	2:10.14 MARIANNA HAGAN	65
50.15 BARBARA JOHNSON	61	100 M. FREE WOMEN 65-69		1:42.98 JUNE KRAUSER	2:17.76 RUTH AARON	65
50.25 GAY COLLINS	64	1:20.80 CLARA WALKER	91	1:46.51 FLORENCE CARR	2:18.02 GLADYS OLSEN	68
51.58 HARRIET FORKEY	61	1:25.62 BETTY RUSS	67	1:47.74 JOAN MCINTYRE	200 M. FLY WOMEN 65-69	
52.87 PENNY WEAVER	60	1:26.84 JUNE KRAUSER	68	1:47.80 DORIS MCEWAN	3:35.80 JUNE KRAUSER	94
53.18 MALCHIA OLSHAN	63	1:26.88 FLORENCE CARR	69	1:53.03 M.J. AMSBARY	3:35.80 JUNE KRAUSER	68
100 M. FLY WOMEN 60-64		1:28.49 NANCY MACBETH	65	1:54.15 PEGGY SANBORN	3:52.43 BETTY RUSS	67
1:36.95 PAT DOTSON	87	1:32.35 DORIS MCEWAN	69	1:55.31 PETEY SMITH	4:41.87 MARIANNA HAGAN	65
1:41.11 ANNE MCGUIRE	60	1:32.63 CAROLYN DERR	66	1:56.35 LOIS NOCHMAN	4:43.23 GLADYS OLSEN	68
1:44.10 ANN PISCIOTTA	63	1:34.65 ANITA HAZEN	66	200 M. BACK WOMEN 65-69	100 M. I.M. WOMEN 65-69	
1:48.46 BARBARA CALLISON	61	1:39.63 SUZANNE GRAHAM	68	3:15.72 DORIS STEADMAN	1:31.89 GAIL ROPER	94
1:49.35 JOAN ALEXANDER	62	1:45.00 BOBBI TURCOTTE	67	3:32.75 NANCY MACBETH	1:31.89 GAIL ROPER	65
1:51.54 ADRIENNE PIPES	60	1:45.03 LOIS NOCHMAN	69	3:43.25 DELLA SEHORN	1:35.55 NANCY MACBETH	65
1:56.51 MALCHIA OLSHAN	63	200 M. FREE WOMEN 65-69		3:44.63 JUNE KRAUSER	1:38.10 JUNE KRAUSER	68
2:13.57 MARY JANE MULLINS	63	3:00.72 CLARA WALKER	94	3:47.62 CYNTHIA BRUCE	1:41.57 CYNTHIA BRUCE	66
2:20.18 JOAN CAMPBELL	64	3:00.72 CLARA WALKER	68	3:50.13 JOAN MCINTYRE	1:43.04 FLORENCE CARR	69
2:21.77 NANCY MCPHEE	61	3:07.24 JUNE KRAUSER	68	3:55.02 DORIS MCEWAN	1:43.83 DELLA SEHORN	67
2:33.77 NANCY WAITE	60	3:09.54 BETTY RUSS	67	4:02.54 PEGGY SANBORN	1:44.29 DORIS MCEWAN	69
200 M. FLY WOMEN 60-64		3:15.44 FLORENCE CARR	69	4:16.22 MARIANNA HAGAN	1:44.95 BETTY RUSS	67
3:32.29 JUNE KRAUSER	90	3:16.63 DELLA SEHORN	66	4:41.11 JOAN GLARATON	1:54.05 BARBARA OWENS	65
3:36.89 ANNE MCGUIRE	60	3:17.35 ANITA HAZEN	66	4:50.13 BARBARA EBERLE	1:54.91 SUZANNE GRAHAM	68
3:54.33 ANN PISCIOTTA	63	3:26.08 SUZANNE GRAHAM	67	50 M. BRST WOMEN 65-69	200 M. I.M. WOMEN 65-69	
4:04.26 JOAN ALEXANDER	62	3:35.27 JOAN MCINTYRE	65	47.39 BETTY CHRISTIAN	3:18.77 CLARA WALKER	91
4:20.07 MALCHIA OLSHAN	63	3:40.82 FAY BECK	67	50.50 JUNE KRAUSER	3:28.94 GAIL ROPER	65
4:32.60 ADRIENNE PIPES	60	3:46.06 BARBARA BOLEY	69	51.03 ALICIA COLEMAN	3:29.25 JUNE KRAUSER	68
4:32.85 DONNA MONROE	61	400 M. FREE WOMEN 65-69		51.18 DORIS MCEWAN	3:32.66 NANCY MACBETH	65
4:58.07 TRISH HUNTER	60	6:13.42 CLARA WALKER	92	51.99 M.J. AMSBARY	3:49.03 FLORENCE CARR	69
6:19.39 NANCY WAITE	60	6:23.61 JUNE KRAUSER	68	53.38 SUZANNE GRAHAM	3:49.37 BETTY RUSS	67
100 M. I.M. WOMEN 60-64		6:30.85 CLARA WALKER	68	53.83 JEAN STORCH	4:23.27 MARIANNA HAGAN	65
1:27.50 CLARA WALKER	89	6:31.98 BETTY RUSS	67	55.37 BARBARA OWENS	4:23.94 RUTH AARON	65
1:36.18 ANNE MCGUIRE	60	6:36.85 JEAN TROY	67	57.13 JOAN GLARATON	4:31.98 HEDY ESPOSITO	66
1:37.85 ANN PISCIOTTA	63	6:37.43 PETEY SMITH	69	57.29 HEDY ESPOSITO	4:36.95 JOAN GLARATON	67
1:39.25 BARBARA CALLISON	61	7:03.39 FLORENCE CARR	69	59.49 BARBARA BOLEY	4:37.11 NANCY REED	67
1:50.27 ADRIENNE PIPES	60	7:07.43 ANITA HAZEN	66	100 M. BRST WOMEN 65-69	400 M. I.M. WOMEN 65-69	
1:52.43 IDA SMITH	60	7:16.41 DELLA SEHORN	67	1:46.82 REGAN KENNER	7:18.55 JUNE KRAUSER	94
1:52.65 BARBARA JOHNSON	61	7:51.17 BOBBI TURCOTTE	67	1:48.62 GAIL ROPER	7:18.55 JUNE KRAUSER	68
1:53.87 GAY COLLINS	64	7:56.58 JOAN MCINTYRE	65	1:49.01 JUNE KRAUSER	7:22.46 GAIL ROPER	65

TOP TEN

SHORT COURSE METERS

7:35.05 NANCY MACBETH 65	48.47 MARGERY MEYER 72	1:05.87 JEAN ZULICH 74	2:28.93 LOIS ELLERT 79
7:51.85 BETTY RUSS 67	50.11 BETTY CHRISTIAN 72	1:06.41 MARGERY MEYER 71	2:41.01 LEE HOLM 79
7:52.37 JEAN TROY 67	52.66 DIANA SILVA 72	100 M. FLY WOMEN 70-74	200 M. FREE WOMEN 75-79
8:16.12 FLORENCE CARR 69	52.83 LOIS NOCHMAN 70	1:54.16 LOIS NOCHMAN 94	3:33.90 RITA SIMONTON 93
8:59.53 RUTH AARON 65	53.59 NANCY PHILLIPS 73	1:54.16 LOIS NOCHMAN 94	3:41.83 RITA SIMONTON 76
9:36.15 GLADYS OLSEN 68	58.15 BARDI DENDY 73	2:16.48 JAE HOWELL 71	3:53.41 MARJORIE SHARPE 76
9:43.68 MARIANNA HAGAN 66	58.71 BUNNY GOLDSTEIN 70	2:17.53 JUNE REYNOLDS 72	4:09.73 KAY SCHIMPF 77
10:02.78 MARARET WELLS 68	59.07 JUNE REYNOLDS 72	2:18.58 MARY WIXTED 72	4:22.98 Y FRISCHHERTZ 77
*****	59.07 RUTH BAAR 71	2:19.37 DIANA SILVA 72	4:27.53 ZADA TAFT 75
50 M. FREE WOMEN 70-74	100 M. BACK WOMEN 70-74	2:32.26 JANE DOUGHERTY 72	5:11.88 MARIE KREIPE 75
39.13 DOROTHY DONNELLY 92	1:43.97 REGAN KENNER 94	2:36.34 JEAN ZULICH 74	5:15.16 LOIS ELLERT 79
39.95 MARGERY MEYER 72	1:43.97 REGAN KENNER 70	2:51.53 MARJORIE NEWMAN 70	5:35.70 LEE HOLM 79
40.06 PETEY SMITH 70	1:48.14 JEANNE MERRYMAN 71	3:25.46 ELFIE STEVENIN 72	6:36.39 MILLIE HUPP 78
40.96 JEANNE MERRYMAN 71	1:54.43 MARGERY MEYER 72	200 M. FLY WOMEN 70-74	400 M. FREE WOMEN 75-79
41.20 BETTY CHRISTIAN 72	1:56.82 LOIS NOCHMAN 70	4:05.45 LOIS NOCHMAN 94	7:23.29 RITA SIMONTON 93
41.63 RUTH BAAR 71	1:58.91 DIANA SILVA 72	4:05.45 LOIS NOCHMAN 70	7:48.45 RITA SIMONTON 76
42.12 DOT DONNELLY 72	2:08.61 MERLYN EWBANK 74	4:48.97 JANE DOUGHERTY 72	7:56.54 MARJORIE SHARPE 77
43.09 ELLA CARMICHAEL 70	2:09.12 RITA EVANS 74	4:51.89 JAE HOWELL 71	8:42.22 KAY SCHIMPF 77
44.94 MURIEL FLYNN 70	2:12.35 MAURINE KORNFELD 73	4:53.39 JUNE REYNOLDS 72	9:07.51 GERTRUD ZINT 77
45.18 DIANA SILVA 72	2:12.64 AGNES ZYDINSKY 71	7:06.89 ELFIE STEVENIN 72	9:50.53 SALLY JOY 77
45.21 LOIS NOCHMAN 70	2:12.92 JEAN ZULICH 74	100 M. I.M. WOMEN 70-74	9:57.94 Y FRISCHHERTZ 77
100 M. FREE WOMEN 70-74	200 M. BACK WOMEN 70-74	1:50.32 GERTRUD ZINT 88	10:41.47 MARIE KREIPE 75
1:28.93 PETEY SMITH 94	3:39.24 REGAN KENNER 94	1:54.16 LOIS NOCHMAN 70	10:56.81 LOIS ELLERT 79
1:28.93 PETEY SMITH 70	3:39.24 REGAN KENNER 70	1:56.93 ELLA CARMICHAEL 70	800 M. FREE WOMEN 75-79
1:31.54 DOT DONNELLY 72	3:59.52 MARGERY MEYER 72	1:57.21 MARGERY MEYER 71	15:28.60 RITA SIMONTON 93
1:34.69 RUTH BAAR 71	4:00.49 JEANNE MERRYMAN 71	2:01.52 DIANA SILVA 72	16:36.09 MARJORIE SHARPE 77
1:38.21 ELLA CARMICHAEL 70	4:09.88 LOIS NOCHMAN 70	2:04.62 JAE HOWELL 71	18:23.84 GERTRUD ZINT 76
1:38.90 GRACE ALTUS 70	4:13.37 NANCY PHILLIPS 72	2:07.70 NANCY PHILLIPS 73	18:26.73 KAY SCHIMPF 77
1:40.67 MURIEL FLYNN 70	4:24.04 DIANA SILVA 72	2:09.67 MARY WIXTED 72	24:09.06 ANNELIESE ZOELLER 76
1:41.07 LOIS NOCHMAN 70	4:37.40 MAURINE KORNFELD 73	2:11.92 MERLYN EWBANK 74	1500 M. FREE WOMEN 75-79
1:43.90 DIANA SILVA 72	4:43.65 MARJORIE NEWMAN 70	2:12.70 GRACE ALTUS 70	29:30.20 RITA SIMONTON 93
1:45.13 PAULINE STANGEL 72	4:43.81 JUNE REYNOLDS 72	2:21.80 MARJORIE NEWMAN 70	30:07.04 RITA SIMONTON 76
1:50.43 JUNE REYNOLDS 72	4:50.62 M.STEINBISS 74	200 M. I.M. WOMEN 70-74	31:23.23 MARJORIE SHARPE 77
200 M. FREE WOMEN 70-74	50 M. BRST WOMEN 70-74	3:57.49 LOIS NOCHMAN 94	35:04.26 KAY SCHIMPF 77
3:14.78 MARGERY MEYER 94	50.95 GERTRUD ZINT 87	3:57.49 LOIS NOCHMAN 70	35:05.78 GERTRUD ZINT 77
3:14.78 MARGERY MEYER 71	53.20 BETTY CHRISTIAN 72	4:26.25 JAE HOWELL 71	39:04.38 Y FRISCHHERTZ 77
3:17.28 PETEY SMITH 70	58.14 JAE HOWELL 71	4:27.06 ELLA CARMICHAEL 70	50 M. BACK WOMEN 75-79
3:28.49 DOT DONNELLY 72	58.53 LOIS NOCHMAN 70	4:28.32 DIANA SILVA 72	52.11 MARIE WICKLUN 89
3:31.38 GRACE ALTUS 70	58.74 MURIEL FLYNN 70	4:38.66 MARY WIXTED 72	56.00 GERTRUD ZINT 77
3:31.53 RUTH BAAR 71	1:00.79 DOT DONNELLY 72	4:40.59 GRACE ALTUS 70	57.01 ANNE WALKER 78
3:39.89 LOIS NOCHMAN 70	1:01.30 MIMI LEE 73	5:00.00 KOTOKO KROESEN 70	58.48 AUDREY ETIENNE 78
3:41.16 ELLA CARMICHAEL 70	1:01.89 PAULINE STANGEL 72	5:05.27 MARJORIE NEWMAN 70	59.84 Y FRISCHHERTZ 77
3:52.39 DIANA SILVA 72	1:04.14 JUNE REYNOLDS 72	5:16.74 JEAN ZULICH 74	1:00.72 EDITH GLUSAC 76
3:54.15 NANCY PHILLIPS 72	1:04.98 BARDI DENDY 73	5:30.42 MAURINE KORNFELD 73	1:08.06 SALLY JOY 77
4:03.25 MAURINE KORNFELD 72	1:06.22 BUNNY GOLDSTEIN 70	400 M. I.M. WOMEN 70-74	1:10.70 MARGARET EVERITT 76
400 M. FREE WOMEN 70-74	100 M. BRST WOMEN 70-74	8:22.17 LOIS NOCHMAN 94	1:11.85 ROSEMARY KARIKER 75
6:54.54 MARGERY MEYER 92	1:52.44 REGAN KENNER 93	8:22.17 LOIS NOCHMAN 70	1:11.98 FRANCES CICHANSKI 77
7:01.74 MARGERY MEYER 71	1:54.30 REGAN KENNER 70	9:11.55 JAE HOWELL 71	1:12.68 ANNELIESE ZOELLER 76
7:22.21 GRACE ALTUS 70	1:58.36 BETTY CHRISTIAN 72	9:22.94 DIANA SILVA 72	100 M. BACK WOMEN 75-79
7:34.44 LOIS NOCHMAN 70	2:06.28 LOIS NOCHMAN 70	9:48.22 JANE DOUGHERTY 73	1:53.00 ANNE WALKER 91
7:37.38 RUTH BAAR 71	2:06.37 MURIEL FLYNN 70	9:49.05 JUNE REYNOLDS 72	2:01.86 ANNE WALKER 78
8:10.76 CLARA SOTAK 70	2:06.66 JAE HOWELL 71	10:45.33 MARJORIE NEWMAN 70	2:08.12 GERTRUD ZINT 77
8:17.24 NANCY PHILLIPS 72	2:12.04 MARGERY MEYER 71	14:06.96 ELFIE STEVENIN 72	2:12.16 Y FRISCHHERTZ 77
8:21.69 PAULINE STANGEL 72	2:16.13 MARY WIXTED 72	*****	2:13.23 KAY SCHIMPF 77
8:26.72 MARJORIE NEWMAN 70	2:17.62 JANE DOUGHERTY 72	50 M. FREE WOMEN 75-79	2:15.74 EDITH GLUSAC 75
8:29.08 MAURINE KORNFELD 72	2:19.91 PAULINE STANGEL 72	42.50 LOUISE DONOVAN 93	2:17.56 ZADA TAFT 75
8:30.90 JAE HOWELL 71	2:32.90 ELINOR WRIGHT 70	49.16 MARJORIE SHARPE 77	2:23.98 SALLY JOY 77
800 M. FREE WOMEN 70-74	200 M. BRST WOMEN 70-74	49.56 ANNE WALKER 78	2:30.58 FRANCES CICHANSKI 77
14:29.66 MARGERY MEYER 92	4:03.86 REGAN KENNER 94	49.63 KAY SCHIMPF 77	2:31.86 BETH HANKS 78
14:52.91 GRACE ALTUS 70	4:03.86 REGAN KENNER 70	50.31 GERTRUD ZINT 77	2:38.84 LOIS ELLERT 79
15:25.92 LOIS NOCHMAN 70	4:20.81 BETTY CHRISTIAN 72	53.83 SALLY JOY 77	200 M. BACK WOMEN 75-79
16:57.70 CLARA SOTAK 70	4:25.83 MURIEL FLYNN 70	57.80 Y FRISCHHERTZ 77	4:01.89 MARIE WICKLUN 89
23:17.50 ELFIE STEVENIN 72	4:37.28 JAE HOWELL 71	1:00.50 LORRAINE MURPHY 75	4:15.74 ANNE WALKER 78
1500 M. FREE WOMEN 70-74	4:37.80 LOIS NOCHMAN 70	1:01.41 EDITH GLUSAC 75	4:32.35 GERTRUD ZINT 77
26:18.70 PETEY SMITH 94	4:53.35 PAULINE STANGEL 72	1:01.60 MARIE KREIPE 75	4:36.61 Y FRISCHHERTZ 77
26:18.70 PETEY SMITH 70	4:58.73 KOTOKO KROESEN 70	1:01.93 ROSEMARY KARIKER 75	5:17.23 EDITH GLUSAC 76
27:53.89 GRACE ALTUS 70	50 M. FLY WOMEN 70-74	100 M. FREE WOMEN 75-79	5:32.39 LOIS ELLERT 79
29:06.49 LOIS NOCHMAN 70	46.86 LOIS NOCHMAN 94	1:38.34 RITA SIMONTON 93	6:29.29 MILLIE HUPP 78
35:28.36 JUNE REYNOLDS 72	46.86 LOIS NOCHMAN 70	1:42.42 RITA SIMONTON 76	7:04.81 MARY SIEBOLD 78
37:31.25 MARGARET BROU 72	55.92 DIANA SILVA 72	1:44.39 MARJORIE SHARPE 76	7:21.20 HELENA HOFFMAN 78
44:46.31 ELFIE STEVENIN 72	56.50 JEANNE MERRYMAN 71	1:55.37 KAY SCHIMPF 77	7:51.17 BETTE HOFFMANN 75
58:59.16 MAUREEN SCHMAHL 72	58.71 NANCY PHILLIPS 72	1:57.11 ANNE WALKER 78	50 M. BRST WOMEN 75-79
50 M. BACK WOMEN 70-74	59.14 GRACE ALTUS 70	2:02.31 Y FRISCHHERTZ 77	53.94 GERTRUD ZINT 93
47.04 MARGERY MEYER 93	59.36 JAE HOWELL 71	2:17.97 ROSEMARY KARIKER 75	55.12 GERTRUD ZINT 77
48.19 REGAN KENNER 70	1:00.39 JUNE REYNOLDS 72	2:22.00 MARIE KREIPE 75	1:02.64 SALLY JOY 77
48.34 JEANNE MERRYMAN 71	1:02.76 ELLA CARMICHAEL 70	2:28.91 BETH HANKS 78	1:03.96 EDITH GLUSAC 75

TOP TEN

SHORT COURSE METERS

1:04.38 KAY SCHIMPF 77	13:45.00 HELENA HOFFMAN 78	50 M. FLY WOMEN 80-84	15:34.06 KATHERINE PELTON 91
1:11.42 ANNELIESE ZOELLER 76	*****	1:03.26 JEAN DURSTON 94	NO SWIMMERS
1:11.70 MARIE KREIPE 75	50 M. FREE WOMEN 80-84	1:03.26 JEAN DURSTON 80	*****
1:16.17 HELEN ROUMASSET 79	48.76 JULIA DOLCE 89	1:12.46 NANCY CLARK 80	50 M. FREE WOMEN 90-94
1:22.14 Y FRISCHHERTZ 77	1:05.61 MADELEINE MILLER 84	1:22.11 ANNE WILDER 80	1:36.77 ANNA BAUSCHER 93
1:26.90 ROBERTA SUGDEN 76	1:07.52 AGNES ROMAYKO 80	1:38.19 BUZ CATLIN 80	NO SWIMMERS
1:33.32 ROSEMARY KARIKER 75	1:09.28 MARION MUELLER 81	1:40.31 EVA MULLER 81	100 M. FREE WOMEN 90-94
100 M. BRST WOMEN 75-79	1:09.67 HELEN OFFENHAUSER 82	1:58.94 F DOROTHY RIORDAN 82	3:24.13 ANNA BAUSCHER 93
2:02.29 GERTRUD ZINT 93	1:12.42 ANNE WILDER 80	100 M. FLY WOMEN 80-84	NO SWIMMERS
2:04.38 GERTRUD ZINT 76	1:14.69 F DOROTHY RIORDAN 82	2:28.34 JEAN DURSTON 94	200 M. FREE WOMEN 90-94
2:16.46 RITA SIMONTON 76	1:42.21 ELIZABETH DZIADUS 83	2:28.34 JEAN DURSTON 80	7:01.11 ANNA BAUSCHER 93
2:18.33 KAY SCHIMPF 77	100 M. FREE WOMEN 80-84	3:15.25 ANNE WILDER 80	NO SWIMMERS
2:23.71 SALLY JOY 77	1:52.20 MARIE WICKLUN 94	3:50.53 BUZ CATLIN 80	400 M. FREE WOMEN 90-94
2:25.03 EDITH GLUSAC 75	1:52.20 MARIE WICKLUN 80	200 M. FLY WOMEN 80-84	14:16.35 ANNA BAUSCHER 93
2:36.06 ANNELIESE ZOELLER 76	1:52.52 NANCY CLARK 80	5:22.65 MAXINE MERLINO 92	NO SWIMMERS
3:17.13 HELENA HOFFMAN 78	1:59.33 JEAN DURSTON 80	6:55.74 ANNE WILDER 80	800 M. FREE WOMEN 90-94
3:22.95 ROBERTA SUGDEN 76	2:26.15 AGNES ROMAYKO 80	100 M. I.M. WOMEN 80-84	28:45.45 ANNA BAUSCHER 93
3:27.85 BETH HANKS 78	2:35.03 MARION MUELLER 81	2:07.52 MAXINE MERLINO 92	NO SWIMMERS
4:37.09 MARY SIEBOLD 78	2:48.92 ANNE WILDER 80	2:18.82 JEAN DURSTON 80	*****
200 M. BRST WOMEN 75-79	200 M. FREE WOMEN 80-84	2:49.67 EVA MULLER 81	*****
4:32.71 GERTRUD ZINT 93	4:07.41 JEAN DURSTON 94	2:52.22 HILDA BUEL 80	50 M. FREE M E N 19-24
4:42.20 GERTRUD ZINT 77	4:07.41 JEAN DURSTON 80	2:54.01 BUZ CATLIN 80	24.54 TODD TRAPPE 93
4:45.96 RITA SIMONTON 76	4:20.06 MARIE WICKLUN 80	3:29.87 RUTH RIDENOUR 80	24.84 NICK MINA 22
5:24.36 SALLY JOY 77	5:16.74 AGNES ROMAYKO 80	3:32.48 MARION MUELLER 81	25.09 JOHN SPEER 24
5:25.65 EDITH GLUSAC 76	5:41.64 MADELEINE MILLER 84	3:33.69 F DOROTHY RIORDAN 82	25.13 GREG SCHAFFER 24
5:33.84 ANNELIESE ZOELLER 75	5:45.84 RUTH RIDENOUR 80	200 M. I.M. WOMEN 80-84	25.33 MATT MCGHIE 23
6:53.36 HELENA HOFFMAN 78	5:49.59 ANNE WILDER 80	4:45.93 MAXINE MERLINO 92	25.49 C.MORGAN 23
9:51.15 MARY SIEBOLD 78	400 M. FREE WOMEN 80-84	4:52.31 JEAN DURSTON 80	25.49 TROY REYNOLDS 23
50 M. FLY WOMEN 75-79	8:39.15 JEAN DURSTON 94	400 M. I.M. WOMEN 80-84	25.53 ANDREW GARCIA 22
56.53 GERTRUD ZINT 93	8:39.15 JEAN DURSTON 80	9:50.43 MAXINE MERLINO 92	25.58 BILL SHIPLEY 19
59.07 GERTRUD ZINT 76	11:02.66 AGNES ROMAYKO 80	10:09.01 JEAN DURSTON 80	25.70 ANDY FARRELL 24
1:02.11 ZADA TAFT 75	12:43.66 EDITH HENDRY 83	14:33.06 ANNE WILDER 80	25.83 S.HATZENBUEHLER 19
1:02.85 KAY SCHIMPF 77	800 M. FREE WOMEN 80-84	*****	100 M. FREE M E N 19-24
1:04.65 SALLY JOY 77	17:51.63 JEAN DURSTON 94	50 M. FREE WOMEN 85-89	53.12 JEFF POPPELL 93
1:13.73 ROSEMARY KARIKER 75	17:51.63 JEAN DURSTON 80	1:03.78 MARIAN MCKECHNIE 89	54.36 JOHN SPEER 24
1:14.06 MARIE KREIPE 75	24:03.04 RUTH HAMILTON 80	NO SWIMMERS	54.76 ROBERT HERMANET 24
1:18.90 EDITH GLUSAC 76	1500 M. FREE WOMEN 80-84	100 M. FREE WOMEN 85-89	55.59 CHRIS BENEDICK 22
1:26.82 ROBERTA SUGDEN 76	34:13.00 JEAN DURSTON 94	3:01.15 ANNA BAUSCHER 89	56.14 MATT MCGHIE 23
100 M. FLY WOMEN 75-79	34:13.00 JEAN DURSTON 80	NO SWIMMERS	56.33 SCOTT SWOBODA 23
2:12.17 MAXINE MERLINO 88	45:56.92 RUTH HAMILTON 80	200 M. FREE WOMEN 85-89	56.45 DAN BRASSIL 21
2:25.74 KAY SCHIMPF 77	50 M. BACK WOMEN 80-84	5:33.83 MARIAN MCKECHNIE 89	57.81 A CARAYANNOPOULOS 23
2:32.20 ZADA TAFT 75	59.36 MARIE WICKLUN 94	NO SWIMMERS	58.07 TERRY FEEHRY 24
2:46.80 HELEN ROUMASSET 79	59.36 MARIE WICKLUN 80	800 M. FREE WOMEN 85-89	58.13 GREG ROYTHOR 21
2:51.65 ROSEMARY KARIKER 75	1:15.70 BUZ CATLIN 80	24:05.34 MARIAN MCKECHNIE 89	58.24 STEPHEN JOYCE 22
3:50.44 HELENA HOFFMAN 78	1:18.09 HELEN OFFENHAUSER 82	NO SWIMMERS	200 M. FREE M E N 19-24
200 M. FLY WOMEN 75-79	1:20.03 MADELEINE MILLER 84	50 M. BACK WOMEN 85-89	1:56.27 JEFF POPPELL 93
4:48.50 MAXINE MERLINO 88	1:39.60 F DOROTHY RIORDAN 82	1:13.57 MARIAN MCKECHNIE 89	2:02.42 NICK MINA 22
5:39.59 KAY SCHIMPF 77	1:42.23 ELIZABETH DZIADUS 83	NO SWIMMERS	2:04.72 CURT BURICH 23
6:15.13 ROSEMARY KARIKER 75	100 M. BACK WOMEN 80-84	100 M. BACK WOMEN 85-89	2:08.37 SCOTT SWOBODA 23
8:14.62 HELENA HOFFMAN 78	2:08.12 MARIE WICKLUN 94	2:52.17 ANNA BAUSCHER 89	2:09.91 GREG WELCH 24
100 M. I.M. WOMEN 75-79	2:08.12 MARIE WICKLUN 80	NO SWIMMERS	2:10.16 BILL SHIPLEY 19
1:58.06 GERTRUD ZINT 93	2:31.21 MADELEINE MILLER 84	200 M. BACK WOMEN 85-89	2:10.87 JOHN SPEER 24
2:02.84 GERTRUD ZINT 76	2:31.38 MARION MUELLER 81	6:00.16 MARIAN MCKECHNIE 89	2:11.57 STEPHEN ELLIS 24
2:13.16 KAY SCHIMPF 77	2:46.72 EVA MULLER 81	NO SWIMMERS	2:13.32 MARCO CAMPAGNA 23
2:15.61 SALLY JOY 77	2:52.15 BUZ CATLIN 80	50 M. BRST WOMEN 85-89	2:15.22 KENNETH HONG 24
2:32.19 EDITH GLUSAC 75	200 M. BACK WOMEN 80-84	1:37.05 KATHERINE PELTON 90	2:15.72 GREG ROYTHOR 21
2:35.84 MARIE KREIPE 75	4:35.38 MARIE WICKLUN 94	NO SWIMMERS	400 M. FREE M E N 19-24
2:38.16 ROSEMARY KARIKER 75	4:35.38 MARIE WICKLUN 80	100 M. BRST WOMEN 85-89	4:05.72 SERGEY MARINIUK 93
2:39.92 Y FRISCHHERTZ 77	5:48.72 MADELEINE MILLER 84	3:09.62 KATHERINE PELTON 90	4:22.51 ROBERT HERMANET 24
2:54.65 LORRAINE MURPHY 75	5:50.88 EVA MULLER 81	NO SWIMMERS	4:28.38 CURT BURICH 23
3:01.26 ROBERTA SUGDEN 76	50 M. BRST WOMEN 80-84	50 M. FLY WOMEN 85-89	4:29.50 SAM CHESNUT 24
3:07.63 HELENA HOFFMAN 78	1:05.64 MAXINE MERLINO 92	1:24.53 KATHERINE PELTON 90	4:40.51 ALEXANDER HALL 22
200 M. I.M. WOMEN 75-79	1:21.44 BUZ CATLIN 80	NO SWIMMERS	4:40.68 MARCO CAMPAGNA 23
4:17.89 MAXINE MERLINO 88	1:22.56 MADELEINE MILLER 84	100 M. FLY WOMEN 85-89	4:40.90 DANIEL ROGERS 24
4:38.73 GERTRUD ZINT 76	1:39.94 ANNE WILDER 80	3:29.58 KATHERINE PELTON 90	4:45.15 JOHN SPEER 24
4:47.99 KAY SCHIMPF 77	1:45.46 F DOROTHY RIORDAN 82	NO SWIMMERS	4:47.82 LARS HONDORF 24
5:10.46 ZADA TAFT 75	2:10.93 MARION MUELLER 81	200 M. FLY WOMEN 85-89	4:48.14 GREG ROYTHOR 21
5:42.66 MARIE KREIPE 75	100 M. BRST WOMEN 80-84	7:15.07 KATHERINE PELTON 90	4:50.51 KIRK WALKER 22
5:48.69 ROSEMARY KARIKER 75	2:21.80 MAXINE MERLINO 92	NO SWIMMERS	800 M. FREE M E N 19-24
6:41.54 HELENA HOFFMAN 78	2:34.21 JEAN DURSTON 80	100 M. I.M. WOMEN 85-89	8:39.19 JEFF POPPELL 93
400 M. I.M. WOMEN 75-79	3:04.08 HILDA BUEL 80	3:00.23 KATHERINE PELTON 90	9:28.14 SAM CHESNUT 24
9:07.66 MAXINE MERLINO 88	3:10.44 MADELEINE MILLER 84	NO SWIMMERS	9:46.06 MARCO CAMPAGNA 23
9:58.67 GERTRUD ZINT 77	3:43.23 ANNE WILDER 80	200 M. I.M. WOMEN 85-89	9:47.18 ROBERT VALENTIN 24
10:11.35 KAY SCHIMPF 77	200 M. BRST WOMEN 80-84	9:49.36 ANNA BAUSCHER 89	10:33.63 KEVIN WILLIAMS 24
11:19.20 ZADA TAFT 75	5:00.63 MAXINE MERLINO 92	NO SWIMMERS	10:57.56 STEPHEN LARKIN 24
12:04.50 ROSEMARY KARIKER 75	7:14.44 MADELEINE MILLER 84	400 M. I.M. WOMEN 85-89	11:13.32 BRAD SCHMIDT 22

TOP TEN

SHORT COURSE METERS

13:39.80 WADE WILLIFORD 24	2:40.99 ARAM NALBANDYAN 21	5:42.84 EDWARD AMES 24	27.89 MOOK RHODENBAUGH 29
13:41.38 PHAT TIEU 21	2:42.42 SAM CHESNUT 24	*****	29.19 BJORN ZIKARSKY 27
1500 M. FREE M E N 19-24	2:44.48 ROBERT VALENTIN 24	50 M. FREE M E N 25-29	29.39 TONY MEINDL 26
16:15.25 JEFF POPPELL 93	2:44.97 EUGENE ATANASIO 23	22.48 ROBERT PEEL 93	29.39 RICHARD SWOBODA 27
18:19.89 EUGENE ATANASIO 23	2:47.06 ANTON LENEIS 24	23.02 BJORN ZIKARSKY 27	29.51 BILL WINTERS 26
18:42.49 ROBERT VALENTIN 24	2:47.74 KIRK WALKER 22	23.24 WINSTON RITCHEY 26	29.51 TOM NORTHCUTT 29
19:15.78 GREG WELCH 24	2:52.59 D. NUGENT-ODASSO 24	23.64 NEILL WILLIAMS 26	29.52 KURT MURDOCH 28
20:37.91 STEPHEN LARKIN 24	50 M. FLY M E N 19-24	24.23 STEVE REED 25	29.53 SCOTT EWALT 29
21:20.10 BRAD SCHMIED 22	26.54 GREG SCHAFFER 94	24.37 TODD OAKES 26	29.55 STEPHEN SMITH 27
26:04.24 WADE WILLIFORD 24	26.54 GREG SCHAFFER 24	24.55 BERT BERGEN 27	29.68 DOUG GRAHAM 25
26:28.37 PHAT TIEU 21	27.07 ERIC COLTON 24	24.74 CLAY HOUSTON 27	100 M. BACK M E N 25-29
50 M. BACK M E N 19-24	27.11 C.MORGAN 23	24.76 ALLEN THOMAS 28	58.42 CLAY BRITT 89
29.49 CHRIS BENEDICK 94	28.01 ANDY FARRELL 24	24.76 DOUG ELLIS 26	1:00.31 BJORN ZIKARSKY 27
29.49 CHRIS BENEDICK 22	28.06 JOHN SPEER 24	24.78 ADAM WERTH 25	1:02.33 JEFFREY ROODIN 25
30.33 TROY REYNOLDS 23	28.13 GREG ROYTHOR 21	100 M. FREE M E N 25-29	1:02.40 SCOTT EWALT 29
30.69 TIMOTHY PRINCE 20	28.36 JIM FEE 19	50.86 BJORN ZIKARSKY 94	1:02.46 EMAD ELSHAFEI 28
30.74 MATT MCGHIE 23	28.41 MATT MCGHIE 23	50.86 BJORN ZIKARSKY 27	1:03.01 STEPHEN SMITH 27
30.79 ANDY FARRELL 24	28.61 ARAM NALBANDYAN 21	52.33 WINSTON RITCHEY 26	1:03.05 KURT MURDOCH 28
30.83 CHRIS BRANCATO 23	28.77 BILL SHIPLEY 19	53.50 TODD OAKES 26	1:03.37 PAUL RYDER 27
31.24 BRAD SCHMIED 22	100 M. FLY M E N 19-24	53.85 ALLEN THOMAS 28	1:03.64 TONY MEINDL 26
31.73 ANDREW GARCIA 22	57.54 JEFF POPPELL 93	54.82 BERT BERGEN 27	1:03.71 RICHARD SWOBODA 27
32.11 ROBERT WELCHER 24	59.04 GREG SCHAFFER 24	54.96 MICHAEL BRAY 26	1:04.24 GARY FORTUNE 27
32.21 A CARAYANNOPOULOS 23	1:01.50 ROBERT HERMANET 24	55.31 DAVID TYLER 25	200 M. BACK M E N 25-29
100 M. BACK M E N 19-24	1:02.36 GREG ROYTHOR 21	55.60 V. MONTEMARANO 27	2:09.12 BRAD WELLS 89
1:00.67 JEFF POPPELL 93	1:03.61 EUGENE ATANASIO 23	55.99 KEVIN TUNSTALL 29	2:14.41 SCOTT EWALT 29
1:03.31 BRIAN BOLLONE 22	1:04.05 C.MORGAN 23	56.08 ALAN GREENWOOD 28	2:16.10 THOMAS CREECH 27
1:05.85 CHRIS BENEDICK 22	1:04.41 DAN BRASSIL 21	200 M. FREE M E N 25-29	2:17.74 PAUL RYDER 27
1:06.97 ERIK SCOLLON 23	1:05.04 JAMES RUGGIERO 21	1:54.00 BRAD WELLS 89	2:19.11 IGNACIO JIMINEZ 25
1:07.53 CURT BURICH 23	1:05.14 JIM FEE 19	1:55.40 BJORN ZIKARSKY 27	2:19.39 RICHARD SWOBODA 27
1:08.09 ANDY FARRELL 24	1:05.42 ARAM NALBANDYAN 21	1:56.15 DAVID TYLER 25	2:19.54 KURT MURDOCH 28
1:08.20 ROBERT WELCHER 24	1:05.53 STEPHEN ELLIS 24	1:57.57 WINSTON RITCHEY 26	2:22.82 JOHAN STEINER 29
1:09.89 CHRIS BRANCATO 23	1:05.53 DAVID STOLL 21	2:00.63 BRAM TESTER 25	2:23.21 JIM RHYNE 28
1:10.82 KIRK WALKER 22	200 M. FLY M E N 19-24	2:01.69 ADAM WERTH 25	2:24.19 B.LICHTENWALTER 28
1:11.41 ANDREW ZIVIC 24	2:07.64 JEFF POPPELL 93	2:01.74 STEPHEN STAHL 29	2:26.17 MARK WHITESIDE 28
1:11.86 STEPHEN JOYCE 22	2:24.61 JAMES RUGGIERO 21	2:02.71 THOMAS CREECH 27	50 M. BRST M E N 25-29
200 M. BACK M E N 19-24	2:29.85 STEPHEN ELLIS 24	2:02.92 BERT BERGEN 27	29.08 JOHN WALDMAN 89
2:08.81 SERGEY MARINIUK 93	2:32.88 JIM FEE 19	2:03.03 STUART CROMARTY 29	30.09 V. MONTEMARANO 27
2:23.48 JAMES RUGGIERO 22	2:39.61 KENNETH HONG 24	2:04.06 CHRIS GRIDER 26	30.52 NEILL WILLIAMS 26
2:23.78 ERIK SCOLLON 23	2:46.01 KEITH PRYOR 24	400 M. FREE M E N 25-29	31.41 EVAN DAVIS 27
2:28.69 CHRIS BRANCATO 23	2:52.10 ONESIMO DE MIRA 20	4:07.81 ROB MACKLE 92	31.56 STEWART WEAVER 25
2:29.10 ROBERT WELCHER 24	2:57.18 EDWARD AMES 24	4:10.02 BJORN ZIKARSKY 27	31.72 TIMOTHY SHAW 26
2:30.88 EUGENE ATANASIO 23	100 M. I.M. M E N 19-24	4:15.52 JOHN PEARSON 29	31.75 CHRIS GRIDER 26
2:40.47 ANDREW ZIVIC 24	1:00.70 GREG SCHAFFER 94	4:17.11 BRAM TESTER 25	31.90 BRIAN HAYES 27
2:41.36 EDWARD AMES 24	1:00.70 GREG SCHAFFER 24	4:21.38 STEPHEN STAHL 29	32.02 MARK TONAI 28
2:43.29 MARCO CAMPAGNA 23	1:02.94 ROBERT HERMANET 24	4:23.48 THORSTEN ANDERSON 27	32.20 JACK MACKENROTH 25
2:44.83 SHAWN ROSS 24	1:03.21 BRIAN BOLLONE 22	4:25.00 MICHAEL COLLINS 28	32.33 GARY FORTUNE 27
2:45.59 JOHN LARAWAY 24	1:04.19 CHRIS BENEDICK 22	4:27.15 RANDALL EICKHOFF 29	100 M. BRST M E N 25-29
50 M. BRST M E N 19-24	1:04.39 SAM CHESNUT 24	4:33.06 JERRY SHANDREW 28	1:05.09 JOHN WALDMAN 89
31.68 MIKE EWING 91	1:04.54 JAMES RUGGIERO 22	4:34.33 KEVIN TUNSTALL 29	1:05.27 NEILL WILLIAMS 26
33.01 ANTON LENEIS 24	1:04.72 NICK MINA 22	4:34.33 MIKE FITZGERALD 29	1:06.68 V. MONTEMARANO 27
33.43 BRIAN BOLLONE 22	1:04.74 DAN BRASSIL 21	800 M. FREE M E N 25-29	1:06.84 CHRIS GRIDER 26
33.50 JAY SMAYDA 19	1:04.81 ERIK SCOLLON 23	8:41.80 PAUL ROBINSON 93	1:09.62 TIMOTHY SHAW 26
33.58 A. LASBROAS 24	1:05.04 CURT BURICH 23	9:00.95 BRAM TESTER 25	1:10.13 EVAN DAVIS 27
34.43 EUGENE ATANASIO 23	200 M. I.M. M E N 19-24	9:10.06 RANDALL EICKHOFF 29	1:10.30 MARK TONAI 28
34.73 BRAD SCHMIED 21	2:08.88 SERGEY MARINIUK 93	9:13.89 MICHAEL COLLINS 28	1:10.79 SCOTT ADAMS 29
34.83 C.MORGAN 23	2:10.63 GREG SCHAFFER 24	9:19.83 THORSTEN ANDERSON 27	1:11.29 BRIAN HAYES 27
35.64 D. NUGENT-ODASSO 24	2:15.35 ROBERT HERMANET 24	9:35.10 JOE VRUNDY 29	1:11.88 KEVIN DUGAN 28
35.89 BILL SHIPLEY 19	2:21.41 DAN BRASSIL 21	9:37.09 DAVID NEWMAN 29	1:11.92 TOM NORTHCUTT 29
35.97 GEORGE PEIRO 21	2:21.58 ERIK SCOLLON 23	9:38.78 JAMES DONOVAN 28	200 M. BRST M E N 25-29
100 M. BRST M E N 19-24	2:22.00 JAMES RUGGIERO 22	9:42.11 JERRY SHANDREW 28	2:24.02 CHRIS GRIDER 94
1:06.74 SERGEY MARINIUK 93	2:25.04 CURT BURICH 23	9:44.51 JIM RHYNE 28	2:24.02 CHRIS GRIDER 26
1:10.07 DAN BRASSIL 21	2:25.28 ALEXANDER HALL 22	9:46.82 WILLIAM WELLS 29	2:27.28 NEILL WILLIAMS 26
1:12.55 TERRY FEENERY 24	2:25.36 EUGENE ATANASIO 23	1500 M. FREE M E N 25-29	2:31.06 V. MONTEMARANO 27
1:13.09 ANTON LENEIS 24	2:25.62 GREG ROYTHOR 21	16:23.21 ROB MACKLE 92	2:33.75 JOHN DOOLITTLE 25
1:13.37 A. LASBROAS 24	2:28.68 A. LASBROAS 24	17:02.33 BRAM TESTER 25	2:34.62 TIMOTHY SHAW 26
1:13.86 ALEXANDER HALL 22	400 M. I.M. M E N 19-24	17:28.57 RANDALL EICKHOFF 29	2:36.11 SCOTT ADAMS 29
1:14.01 SAM CHESNUT 24	4:28.54 SERGEY MARINIUK 93	17:48.33 THORSTEN ANDERSON 27	2:39.30 EVANS FOWLER 26
1:15.01 JAY SMAYDA 19	4:49.38 ROBERT HERMANET 24	18:17.59 JOHN O'BEIRNE 28	2:39.69 JACK MACKENROTH 25
1:15.42 GREG ROYTHOR 21	5:05.40 CURT BURICH 23	18:31.74 WILLIAM WELLS 29	2:40.99 DANA THOMASON 29
1:19.02 D. NUGENT-ODASSO 24	5:09.05 ALEXANDER HALL 22	19:08.63 ALAN GREENWOOD 28	2:41.33 TIM MACDONALD 29
1:19.05 DAVID STOLL 21	5:11.98 EUGENE ATANASIO 23	19:10.39 KEVIN GRENIER 27	50 M. FLY M E N 25-29
200 M. BRST M E N 19-24	5:18.16 ROBERT VALENTIN 24	19:39.86 STEVE JONES 26	25.61 NEILL WILLIAMS 94
2:25.50 SERGEY MARINIUK 93	5:26.95 A. LASBROAS 24	19:42.27 ERIC NILSEN 28	25.61 NEILL WILLIAMS 26
2:34.44 DAN BRASSIL 21	5:32.15 KEITH PRYOR 24	19:42.35 WILLIAM MATTHEWS 28	26.11 STEVE REED 25
2:38.66 ALEXANDER HALL 22	5:36.35 CHRIS BRANCATO 23	50 M. BACK M E N 25-29	26.20 WINSTON RITCHEY 26
2:39.65 A. LASBROAS 24	5:40.14 MATT MCGHIE 23	26.85 MOOK RHODENBAUGH 92	26.44 KEITH KAPLAN 27

TOP TEN SHORT COURSE METERS

2:35.27 JEFF STRNAD 42	1:02.30 RIC COOLEY 89	4:43.79 JOHN FLANAGAN 48	36.50 RICHARD HUNTER 45
2:38.02 WILLIAM TINGLEY 44	1:04.03 TOM PERRIN 43	4:44.10 STEVE JOHNSON 46	36.57 MICHAEL CARRIER 46
2:38.62 CHARLES CARSON 40	1:05.47 BUCK SMITH 41	4:44.84 FRED SCHLICHER 46	36.67 JAMES DONNELLY 45
50 M. BRST M E N 40-44	1:05.67 MARK CHATFIELD 40	4:46.42 BRIAN MURPHY 45	37.62 RAY WITTE 45
30.80 C MILTENBERGER 93	1:06.98 RICHARD GARRETT 40	4:48.12 PAUL MCCORMICK 47	37.99 DOUG PRENTICE 46
32.32 C.MILTENBERGER 43	1:07.50 BERRY HAMILTON 41	4:48.66 STEVE HECK 45	100 M. BRST M E N 45-49
33.28 MARK CHATFIELD 40	1:07.85 LEE MENCH 41	4:51.20 KEITH BELL 46	1:10.41 ROBERT STRAND 92
33.57 DAVID WESLEY 42	1:07.87 STEVE MANN 41	4:59.05 DUKE DAHLIN 45	1:12.95 ALLEN STARK 45
33.70 FRED HUBBELL 42	1:08.41 RICK PETERSON 42	4:59.09 LYNN OLSON 47	1:16.12 WAYNE MCCAULEY 46
33.78 SCOTT SCHLIEMAN 43	1:08.90 FRED FARLEY 40	800 M. FREE M E N 45-49	1:16.26 MICHAEL WITZSZEK 47
33.85 BOB PUELS 41	1:09.44 RICHARD ATONDO 44	9:32.34 RICHARD BOYD 89	1:18.30 DENNIS WILSON 45
33.94 JACK GROSELLE 40	1:09.44 LARRY WOOD 40	9:38.84 JOHN FLANAGAN 48	1:19.04 JAMES DONNELLY 45
34.51 DAVID ROTTHOFF 43	200 M. I.M. M E N 40-44	9:47.18 STEVE JOHNSON 46	1:21.09 DAVID UGARKOVICH 46
34.73 BOB RUTH 41	2:18.35 TOM REUDY 94	9:49.45 JOHN NOLAN 46	1:21.16 STEVEN PETERSON 47
34.75 RICHARD ATONDO 44	2:18.35 TOM REUDY 40	10:07.78 BRUCE FISHER 45	1:21.23 BILL ABBOTT 47
100 M. BRST M E N 40-44	2:20.93 CLAY EVANS 41	10:16.87 KEITH BELL 46	1:21.69 STEVE BARDEN 49
1:07.98 C MILTENBERGER 93	2:25.91 MARK CHATFIELD 40	10:41.26 BEN VAN DYK 49	1:22.01 MICHAEL CARRIER 46
1:12.23 CLAY EVANS 41	2:26.70 RICHARD GARRETT 40	10:42.16 BRIAN MURPHY 45	200 M. BRST M E N 45-49
1:12.74 MARK CHATFIELD 40	2:27.12 TOM PERRIN 43	10:46.87 GREGORY WILLIS 46	2:35.71 ROBERT STRAND 92
1:14.05 BERRY HAMILTON 41	2:30.38 STEVE HECK 44	10:48.13 DUKE DAHLIN 45	2:42.33 ALLEN STARK 45
1:14.60 SCOTT SCHLIEMAN 43	2:30.43 PETER O'KEEFFE 44	11:07.94 JOHN GRAHAMAN 48	2:45.45 STEVE HECK 45
1:15.11 GREG HARRISON 41	2:33.23 FRANK THOMPSON 42	1500 M. FREE M E N 45-49	2:50.80 WAYNE MCCAULEY 46
1:16.34 DAVID WESLEY 42	2:33.41 CHARLES CARSON 40	18:26.21 KEITH BELL 93	2:56.39 DENNIS WILSON 46
1:16.92 RICHARD ATONDO 44	2:34.12 MICHAEL HEATHER 40	18:39.20 JOHN NOLAN 46	2:56.89 STEVE BARDEN 49
1:17.54 DAVID ROTTHOFF 43	400 M. I.M. M E N 40-44	19:11.41 KEITH BELL 46	2:58.95 PHIL BOGAN 47
1:17.65 FRED FARLEY 40	5:00.76 JOHN CALVERT 89	19:30.74 PAT DIXON 45	2:59.02 DAVID UGARKOVICH 46
1:17.67 BARTON COBB 40	5:02.81 CLAY EVANS 41	20:19.62 JORGE GONZALEZ 45	3:02.17 FRED SHAW 48
200 M. BRST M E N 40-44	5:14.08 WILLIAM REEVES 41	20:29.79 BEN VAN DYK 49	3:02.56 JOHN NOLAN 46
2:31.37 GREGORY HARRISON 93	5:23.61 ROBERT WRIGHT 40	20:37.39 DUKE DAHLIN 45	3:06.67 JOHN ZEIGLER 48
2:34.37 TOM REUDY 40	5:26.58 TOM PALMGREN 40	21:00.39 DOUGLAS SELBY 49	50 M. FLY M E N 45-49
2:39.36 GREG HARRISON 41	5:30.22 LARRY WOOD 40	21:14.08 GARRY WARREN 47	27.08 DAN THOMPSON 93
2:40.73 MARK CHATFIELD 40	5:31.47 FRANK THOMPSON 42	21:21.18 FRANK MCQUIGGAN 46	27.18 DAN THOMPSON 47
2:47.42 C.MILTENBERGER 43	5:37.78 FRED FARLEY 40	21:30.62 RICHARD WALLACE 46	28.51 RICHARD ABRAHAMS 48
2:48.45 FRED FARLEY 40	5:42.15 WESLEY TANIGAWA 40	50 M. BACK M E N 45-49	28.66 ANDREW MC PHERSON 47
2:48.93 BERRY HAMILTON 41	5:47.78 GARY HAFER 43	29.33 ROBERT SMITH 89	28.79 JOHN PHILLIPS 47
2:48.98 TOM PALMGREN 40	5:48.02 D.BETHENCOURT 41	30.91 JOHN PHILLIPS 47	29.03 STEVE HECK 45
2:50.13 SCOTT SCHLIEMAN 43	*****	31.16 ANDREW MC PHERSON 47	29.57 MICHAEL SLENKER 48
2:52.93 RICHARD ATONDO 44	50 M. FREE M E N 45-49	32.00 BOB KOLONKOWSKI 46	29.73 ROGER JONES 46
2:54.58 LARRY KRESS 40	25.07 RICHARD ABRAHAMS 91	32.59 RICHARD TENHOOR 46	29.98 RICHARD ARLUCK 49
50 M. FLY M E N 40-44	25.20 RICHARD ABRAHAMS 48	32.86 ROBERT VAN FOSSAN 48	30.09 DON HAVENS 47
26.66 JERRY HEIDENREICH 93	25.93 ANDREW MC PHERSON 47	33.33 DAVID UGARKOVICH 46	30.26 JULIUS YOUNG 47
27.47 KEVIN MCCORMACK 42	26.03 DAN THOMPSON 47	33.33 DONALD GALINE 48	100 M. FLY M E N 45-49
27.47 TOM PERRIN 43	26.77 MIKE SHERRILL 45	33.56 PAULO FIGUEIREDO 48	1:02.66 ANDREW MCPHERSON 94
27.63 CLAY EVANS 41	26.97 RICHARD HUNTER 45	33.56 FRANK WARNER 45	1:02.66 ANDREW MC PHERSON 47
27.79 FRED HUBBELL 42	27.01 ROGER JONES 46	34.01 LARRY CHASE 45	1:03.70 RICHARD ABRAHAMS 48
28.44 JOHN MCMULLEN 43	27.18 LYNN OLSON 47	100 M. BACK M E N 45-49	1:04.16 FRED SCHLICHER 46
28.65 BRAD PENCE 42	27.23 PAUL MCCORMICK 47	1:05.31 ROBERT SMITH 89	1:07.38 MICHAEL SLENKER 48
28.67 MICHAEL HEATHER 40	27.26 STEVE HECK 45	1:09.52 JOHN PHILLIPS 47	1:09.51 BOB KOLONKOWSKI 46
29.06 C.MILTENBERGER 43	27.31 RANDY SIMONS 46	1:09.85 DUKE DAHLIN 45	1:09.78 MARK EBEL 46
29.06 WAYNE KING 42	100 M. FREE M E N 45-49	1:11.28 DAVID UGARKOVICH 46	1:10.08 BILL ABBOTT 47
29.42 R JAMES GREENLY 40	56.45 ANDREW MCPHERSON 92	1:12.06 BOB KOLONKOWSKI 46	1:10.13 STEVE JOHNSON 46
100 M. FLY M E N 40-44	57.13 ANDREW MC PHERSON 47	1:12.66 FRANK WARNER 45	1:10.17 PAULO FIGUEIREDO 48
1:00.79 ANDREW MCPHERSON 89	58.39 RICHARD ABRAHAMS 48	1:13.04 PAULO FIGUEIREDO 48	1:10.39 JULIUS YOUNG 47
1:02.74 KEVIN MCCORMACK 42	58.62 STEVE HECK 45	1:13.04 STEVE HECK 45	200 M. FLY M E N 45-49
1:03.96 CLAY EVANS 41	59.73 RICHARD ARLUCK 49	1:13.99 VIRGIL DANIELS 47	2:23.40 FRED SCHLICHER 94
1:04.60 JOHN MCMULLEN 43	1:00.37 FRED SCHLICHER 46	1:14.28 JOSEPH GUIGNON 47	2:23.40 FRED SCHLICHER 46
1:04.63 BRAD PENCE 42	1:01.16 PAUL MCCORMICK 47	1:14.45 ROBERT VAN FOSSAN 48	2:25.79 KEITH BELL 45
1:04.75 JIM GRUBBS 40	1:02.68 ARNIE DOWD 48	200 M. BACK M E N 45-49	2:32.48 JOHN NOLAN 46
1:04.78 STEVE HECK 44	1:02.98 JULIUS YOUNG 47	2:24.39 TIM BIRNIE 92	2:39.87 BOB KOLONKOWSKI 46
1:04.86 MICHAEL HEATHER 40	1:03.01 RICHARD MERRITT 47	2:32.24 STEVE HECK 45	2:47.79 PAULO FIGUEIREDO 48
1:05.49 CRAIG SAINT-AMOUR 41	1:03.04 RANDY SIMONS 46	2:36.41 JOHN PHILLIPS 47	2:49.13 JOHN ZIEGENHAGEN 47
1:05.73 JEFF STRNAD 42	200 M. FREE M E N 45-49	2:37.03 BOB KOLONKOWSKI 46	2:50.64 JULIUS YOUNG 47
1:06.50 RICHARD GARRETT 40	2:05.81 ED CAZALET 88	2:37.98 FRANK WARNER 45	2:52.71 BRIAN MURPHY 45
200 M. FLY M E N 40-44	2:12.98 PAUL MCCORMICK 47	2:39.31 VIRGIL DANIELS 47	2:57.50 WAYNE MCCAULEY 46
2:16.15 BOO GALLAS 89	2:13.06 BRIAN MURPHY 45	2:39.40 DUKE DAHLIN 45	2:58.59 GREGORY WILLIS 46
2:26.57 WILLIAM REEVES 41	2:15.23 JOHN NOLAN 46	2:39.98 DAVID UGARKOVICH 46	100 M. I.M. M E N 45-49
2:27.85 JEFF STRNAD 42	2:17.70 RICHARD ABRAHAMS 48	2:40.49 PAULO FIGUEIREDO 48	1:04.80 ANDREW MCPHERSON 94
2:30.63 RONALD KANE 41	2:18.93 LYNN OLSON 47	2:40.84 JOSEPH GUIGNON 47	1:04.80 ANDREW MC PHERSON 47
2:31.44 ROBERT WRIGHT 40	2:20.38 KEITH BELL 46	2:41.86 MICHAEL MCCOLLY 48	1:05.68 STEVE HECK 45
2:33.90 LARRY WOOD 40	2:20.60 BRUCE FISHER 45	50 M. BRST M E N 45-49	1:10.77 KEITH BELL 45
2:34.45 BRUCE JOHNSON 43	2:22.74 RICHARD MERRITT 47	32.14 PAUL HENNE 93	1:11.81 VIRGIL DANIELS 47
2:36.18 SCOTT COLEMAN 40	2:23.22 JAMES BEGLINGER 48	33.17 WAYNE MCCAULEY 46	1:12.27 RICHARD HUNTER 45
2:40.19 JIM GRUBBS 40	2:24.16 JERRY O'MARA 47	33.19 MICHAEL WITZSZEK 47	1:12.59 JOSEPH GUIGNON 47
2:40.70 WESLEY TANIGAWA 40	400 M. FREE M E N 45-49	33.45 ALLEN STARK 45	1:13.47 JAMES DONNELLY 45
2:43.82 FRANK THOMPSON 42	4:33.39 ED CAZALET 89	35.54 DENNIS WILSON 45	1:13.59 DONALD GALINE 48
100 M. I.M. M E N 40-44	4:43.40 JOHN NOLAN 46	36.48 STEVEN PETERSON 47	1:13.63 ALLEN STARK 45

TOP TEN

SHORT COURSE METERS

1:13.90 MICHAEL O'CONNOR 47	10:05.74 RICHARD BOYD 50	1:22.56 ALLEN MURRAY 50	3:03.06 TORN CHAMBERS 50
200 M. I.M. M E N 45-49	10:46.30 ROBERT WILLIAMS 51	1:22.95 DOUGLAS LONG 50	3:03.37 TOM MCTERNAN 51
2:23.69 STEVEN HECK 94	11:06.67 GUY LEWIS 51	1:24.05 THOM BURGESS 51	400 M. I.M. M E N 50-54
2:23.69 STEVE HECK 45	11:08.43 ROGER BOSVELD 54	1:24.15 JIM OLSON 52	5:20.81 DRURY GALLAGHER 89
2:24.31 ANDREW MC PHERSON 47	11:14.07 DON DAVIS 50	1:25.16 RICHARD DOERR 50	5:30.06 RICHARD BOYD 50
2:31.46 JOHN NOLAN 46	11:30.00 ROBERT O'KEEFE 50	1:26.02 PETER BETZER 52	5:52.05 STEVEN THRASHER 52
2:33.17 BRIAN MURPHY 45	11:37.49 DAVID DARST 51	200 M. BRST M E N 50-54	5:53.07 ROBERT WILLIAMS 51
2:38.41 VIRGIL DANIELS 47	11:45.19 DONALD KROEGER 51	2:45.11 DRURY GALLAGHER 89	5:55.66 JAMES GREEN 50
2:38.54 BRUCE FISHER 45	11:45.19 DONALD KROEGER 51	2:51.42 RICHARD BOYD 50	6:08.36 PATRICK SCHLUP 54
2:44.16 BOB KOLONKOWSKI 46	11:57.82 RICHARD ALTHERR 54	2:53.79 TIM GARTON 51	6:10.72 RICHARD DOERR 51
2:45.06 DON HAVENS 47	1500 M. FREE M E N 50-54	2:59.55 ALLEN MURRAY 50	6:19.66 DICK PITMAN 50
2:45.17 KEITH BELL 46	18:45.18 RICHARD BOYD 94	3:00.76 CHARLES LEE 50	6:25.07 DAVID SZUCH 51
2:45.34 JOHN BARTON 49	18:45.18 RICHARD BOYD 50	3:01.69 ROBERT WILLIAMS 52	6:26.82 DON DAVIS 50
400 M. I.M. M E N 45-49	19:42.17 ROBERT WILLIAMS 52	3:05.78 MIKE LAUX 53	6:28.12 GUY LEWIS 51
5:17.02 EDWARD CAZALET 89	20:33.92 DICK STEWART 54	3:06.50 DON DAVIS 50	*****
5:14.02 STEVE HECK 45	20:55.23 STEVEN THRASHER 52	3:06.84 RICHARD DOERR 50	50 M. FREE M E N 55-59
5:22.77 JOHN NOLAN 46	21:18.56 GUY LEWIS 51	3:08.10 THOM BURGESS 51	26.60 DONALD HILL 89
5:31.69 BRIAN MURPHY 45	21:32.64 DAVID DARST 51	3:11.41 JIM OLSON 52	28.82 JAMES KRUEGER 56
5:33.37 KEITH BELL 46	22:37.76 DONALD KROEGER 51	50 M. FLY M E N 50-54	29.51 DAVID PAINTER 56
5:44.83 DUKE DAHLIN 45	23:00.44 RICHARD ALTHERR 54	29.16 KEEFE LODWIG 94	29.70 PETER CRUMBINE 55
5:48.45 VIRGIL DANIELS 47	23:15.78 RICHARD DOERR 51	29.16 KEEFE LODWIG 51	30.13 ROLFFS PINKERTON 55
5:53.28 DAVID UGARKOVICH 46	23:32.93 PETER LAUER 51	29.54 MICHAEL MEALIFFE 53	30.25 BILL EARLEY 57
5:53.50 PAULO FIGUEIREDO 48	50 M. BACK M E N 50-54	29.94 RICHARD BASSI 53	30.44 J.STEPHEN MOSELEY 56
5:58.41 BOB KOLONKOWSKI 46	30.14 ROBERT SMITH 94	30.03 ROBERT SMITH 51	30.56 MICHAEL DIVELY 55
5:59.60 JOSEPH GUIGNON 47	30.14 ROBERT SMITH 51	30.19 DOUG BUCHAN 51	30.79 SID HALL 59
*****	31.54 FRANS NELSON 52	30.51 DAVE FRANK 50	30.80 DOUGLAS BROWN 55
50 M. FREE M E N 50-54	32.18 MICHAEL MEALIFFE 53	30.70 ROBERT BENNETT 50	30.83 ERNIE LESKOVITZ 57
26.35 FARRELL/LODWIG 94	32.67 RICHARD BASSI 53	30.88 JACK GEOGHEGAN 52	100 M. FREE M E N 55-59
26.35 KEEFE LODWIG 51	32.93 MICHAEL MCKINLAY 50	30.97 FRED LIPP 50	1:00.08 DONALD HILL 89
26.94 ROBERT SMITH 51	33.24 STEVEN THRASHER 52	31.15 ROBERT WILLIAMS 51	1:06.25 ERNIE LESKOVITZ 57
27.33 FRANS NELSON 52	34.43 DOUGLAS LONG 50	100 M. FLY M E N 50-54	1:07.27 DAVID HARRISON 56
27.63 DOUG BUCHAN 51	35.18 DAN BEHR 50	1:06.66 ROBERT PROEBSTING89	1:07.46 DOUGLAS BROWN 55
27.72 RICHARD BASSI 53	35.20 PETER BETZER 52	1:08.58 MICHAEL MEALIFFE 53	1:07.98 PETER CRUMBINE 55
27.74 DOUGLAS LONG 50	35.31 JAMES SHAW 53	1:10.25 MIKE LAUX 53	1:08.89 JERRY GLANCY 56
27.81 MICHAEL MEALIFFE 53	100 M. BACK M E N 50-54	1:12.05 FRED LIPP 50	1:09.16 J.STEPHEN MOSELEY 56
27.89 ROBERT WILLIAMS 51	1:08.49 ROBERT SMITH 94	1:14.53 DICK PITMAN 50	1:09.65 BILL EARLY 58
27.98 BRUCE CLARK 52	1:08.49 ROBERT SMITH 51	1:15.10 STEVEN THRASHER 52	1:09.77 DAVID PAINTER 56
28.14 DAVE FRANK 50	1:11.22 STEVEN THRASHER 52	1:15.50 DICK STEWART 54	1:10.35 MICHAEL DIVELY 55
100 M. FREE M E N 50-54	1:11.86 MICHAEL MCKINLAY 50	1:16.71 KEEFE LODWIG 51	1:10.71 DAVE DRUM 58
58.39 KEEFE LODWIG 94	1:13.63 MICHAEL MEALIFFE 53	1:17.41 KENNETH NOVELL 51	200 M. FREE M E N 55-59
58.39 KEEFE LODWIG 51	1:15.38 RICHARD BASSI 53	1:17.64 ROBERT WILLIAMS 51	2:21.51 DAVID HARRISON 92
59.09 TIM GARTON 52	1:16.04 PETER BETZER 52	1:20.20 JAMES GREEN 50	2:22.94 DAVID HARRISON 56
1:02.13 DOUGLAS LONG 50	1:20.52 DAN BEHR 50	200 M. FLY M E N 50-54	2:32.95 DOUGLAS BROWN 55
1:02.47 JACK GEOGHEGAN 52	1:20.93 DOUGLAS LONG 50	2:36.01 ROBERT PROEBSTING89	2:33.62 ERNIE LESKOVITZ 57
1:02.94 ROBERT WILLIAMS 51	1:22.29 PATRICK SCHLUP 54	2:37.53 ERIC SNYDER 52	2:38.75 PETER CRUMBINE 55
1:02.97 DOUG BUCHAN 51	1:26.55 ROGER KLAFFKY 50	2:51.01 JACK GEOGHEGAN 52	2:39.25 DAVE DRUM 59
1:03.37 GEORGE VIGUIE 50	200 M. BACK M E N 50-54	3:00.74 DICK PITMAN 50	2:39.56 JOHN MEDICI 56
1:03.59 DAVE FRANK 50	2:32.59 ED CAZALET 93	3:06.97 HUGH DUNSEATH 50	2:40.63 BILL EARLY 58
1:03.92 KARL VON TAGEN 51	2:35.38 STEVEN THRASHER 52	3:17.67 GUY LEWIS 51	2:40.89 RONALD DURKEE 55
1:04.54 DON DAVIS 50	2:38.62 MICHAEL MCKINLAY 50	3:24.96 JOE BOLZE 54	2:41.02 J.STEPHEN MOSELEY 56
200 M. FREE M E N 50-54	2:47.10 RICHARD BASSI 53	3:30.04 NEAL WIENER 50	2:42.94 J.C.BRENTON 59
2:12.18 ED CAZALET 92	2:52.40 PATRICK SCHLUP 54	3:38.06 DONALD KROEGER 51	400 M. FREE M E N 55-59
2:14.85 KEEFE LODWIG 51	2:54.26 ROGER BOSVELD 54	3:40.40 RICHARD DOERR 51	5:00.88 GRAHAM JOHNSTON 87
2:19.27 RICHARD BOYD 50	2:55.83 DAN BEHR 50	3:55.59 STEPHEN SAYLOR 52	5:10.83 DAVID HARRISON 57
2:19.69 JACK GEOGHEGAN 52	2:58.33 MIKE LAUX 53	100 M. I.M. M E N 50-54	5:28.02 ERNIE LESKOVITZ 57
2:22.05 KARL VON TAGEN 51	3:00.13 HUGH DUNSEATH 50	1:07.60 DRURY GALLAGHER 89	5:35.03 GEORGE MANN 56
2:23.22 JIM CRANE 52	3:08.49 GEORGE WINTER 51	1:09.43 ROBERT SMITH 51	5:37.30 BRUCE SOULE 56
2:24.32 ROBERT WILLIAMS 52	3:08.98 MIKE ENGEL 51	1:12.01 MICHAEL MEALIFFE 53	5:38.52 DAVE DRUM 59
2:25.20 DON DAVIS 50	50 M. BRST M E N 50-54	1:12.20 KEEFE LODWIG 51	5:45.82 DICK PETERSON 57
2:25.25 DOUGLAS LONG 50	33.99 SCOTT GUTHRIE 94	1:12.84 DOUGLAS LONG 50	5:47.71 J.C.BRENTON 59
2:30.41 DAVID DARST 51	33.99 SCOTT GUTHRIE 50	1:13.03 BRUCE CLARK 52	5:48.70 JERRY GLANCY 56
2:30.98 DAVE HERSHEY 53	35.43 PETER OROSZLAN 50	1:13.64 DAVE FRANK 50	5:49.29 DOUG BROWN 55
400 M. FREE M E N 50-54	35.88 CHARLES LEE 50	1:14.48 DAN BEHR 50	5:52.84 JAMES JOHNSEN 59
4:40.16 ED CAZALET 92	35.94 DAVE FRANK 50	1:14.58 MIKE LAUX 53	800 M. FREE M E N 55-59
4:55.76 RICHARD BOYD 50	36.05 FRANS NELSON 52	1:16.27 GEORGE VIGUIE 50	10:28.98 DAVID HARRISON 94
5:02.35 JIM CRANE 52	37.07 DOUGLAS LONG 50	1:16.43 PETER MICHEL 51	10:28.98 DAVID HARRISON 57
5:04.65 DICK STEWART 54	37.09 DON DAVIS 50	200 M. I.M. M E N 50-54	11:42.92 GEORGE MANN 56
5:06.10 STEVEN THRASHER 52	37.32 RUSS DESSERICH 51	2:31.52 DRURY GALLAGHER 89	11:43.40 BARRY FASBENDER 57
5:06.65 ROBERT WILLIAMS 51	37.43 THOM BURGESS 51	2:31.44 TIM GARTON 51	51NV12:08.17 A. EMORY HAWORTH 58
5:18.26 DON DAVIS 50	37.65 DAN PER-LEE 51	2:42.35 STEVEN THRASHER 52	12:59.36 DOUGLAS HOLMES 58
5:24.11 JAMES GREEN 50	100 M. BRST M E N 50-54	2:47.22 DOUGLAS LONG 50	13:10.27 L.KIRCHNER 56
5:25.54 GUY LEWIS 51	1:14.72 DRURY GALLAGHER 89	2:48.62 DAVE FRANK 50	13:11.48 RICHARD CHISHOLM 59
5:26.39 ROGER BOSVELD 54	1:18.52 SCOTT GUTHRIE 50	2:48.75 DAN BEHR 50	13:28.32 BILL APPLEBAUM 59
5:29.24 DONALD KROEGER 50	1:19.76 DAVE FRANK 50	2:52.76 PATRICK SCHLUP 54	13:52.50 PETER YAW 57
800 M. FREE M E N 50-54	1:20.65 CHARLES LEE 50	2:54.00 DAVID SZUCH 51	14:00.10 CARL HOUSE 55
9:49.95 ED CAZALET 92	1:21.60 DON DAVIS 50	3:00.89 HUGH DUNSEATH 50	1500 M. FREE M E N 55-59

TOP TEN SHORT COURSE METERS

19:45.72 DAVID HARRISON 94	3:13.43 DAVE DABOLL 57	7:41.61 GEORGE MANN 56	50 M. BACK M E N 60-64
19:45.72 DAVID HARRISON 57	3:15.52 WILLIAM JONES 57	7:50.79 CARL HOUSE 55	34.05 JACK BEATTIE 94
21:05.28 ERNIE LESKOVITZ 57	3:17.04 MILTON GEE 57	8:00.05 BRUCE KURTZ 57	34.05 JACK BEATTIE 60
22:39.95 BARRY FASBENDER 57	3:21.13 JOHN MEDICI 56	*****	34.84 YOSHI OYAKAWA 61
24:39.73 DOUGLAS HOLMES 58	3:23.20 JERRY GLANCY 56	50 M. FREE M E N 60-64	36.34 CLARKE MITCHELL 62
25:01.89 RON WILLIAMSON 56	3:30.30 PETER RIDDLE 56	28.86 FRANK PIEMME 88	36.91 STEVE HADLEY 62
25:14.66 J.STEPHEN MOSELEY 56	3:34.83 J.STEPHEN MOSELEY 56	30.10 WALLY DOBLER 60	37.09 JOHN GOODE 61
25:38.69 NEIL WORTMANN 59	50 M. FLY M E N 55-59	30.95 DICK BOWER 64	37.69 LLOYD SKRAMSTAD 60
26:10.48 JOHN KOPSKY 56	30.12 BERT PETERSEN 94	31.12 JACK BEATTIE 60	39.17 C DENNY SAUNDERS 61
26:10.72 BOB BRUNER 55	30.12 BERT PETERSEN 55	31.33 GRAHAM JOHNSTON 63	39.77 KEN KIMBALL 64
26:20.68 VICTOR SIRBU 57	32.06 JAMES KRUEGER 56	31.59 YOSHI OYAKAWA 61	40.64 ROBERT COULTER 61
50 M. BACK M E N 55-59	33.92 ERNIE LESKOVITZ 57	31.63 CHARLES MAAS 60	41.88 ART MAYER 62
32.69 YOSHI OYAKAWA 89	34.28 DAVE DRUM 58	31.71 LARRY SHANNON 61	100 M. BACK M E N 60-64
34.71 MARSHALL GREER 57	34.90 RONALD DURKEE 55	31.75 KEN KIMBALL 64	1:13.55 JACK BEATTIE 94
35.83 BILL EARLY 58	35.47 A. EMORY HAWORTH 58	31.99 C.WEATHERBEE 61	1:13.55 JACK BEATTIE 60
36.52 LEE BETTIS 56	35.56 DAVID PAINTER 56	32.02 ERIC GUEST 64	1:23.77 JOHN GOODE 61
38.49 GRAHAM SYMONDS 56	35.60 HERB ALVARADO 58	100 M. FREE M E N 60-64	1:24.94 HAL BEGEL 64
38.54 JOHN TRAINER 57	35.66 GRAHAM SYMONDS 56	1:05.00 JACK BEATTIE 94	1:25.87 STEVE HADLEY 62
38.66 SANDY PLATTER 55	35.92 RICHARD CHEADLE 56	1:05.00 JACK BEATTIE 60	1:26.13 BOB MILLER 64
38.81 ROLFFS PINKERTON 55	100 M. FLY M E N 55-59	1:08.81 GRAHAM JOHNSTON 63	1:26.69 KEN KIMBALL 64
38.89 RICHARD HAY 56	1:09.63 ROBERT PROEBSTING93	1:11.29 DICK BOWER 64	1:27.04 CLARKE MITCHELL 62
38.91 ROBERT ADAMS 56	1:11.07 BERT PETERSEN 55	1:11.70 CHARLES MAAS 60	1:28.75 LLOYD SKRAMSTAD 60
39.12 SID HALL 59	1:15.82 ERNIE LESKOVITZ 57	1:11.76 JOHN KALAS 61	1:30.07 GRAHAM JOHNSTON 63
100 M. BACK M E N 55-59	1:16.77 MEL GOLDSTEIN 56	1:12.19 HAL BEGEL 64	1:30.32 C DENNY SAUNDERS 61
1:12.17 YOSHI OYAKAWA 89	1:21.09 TELFAIR MAHAFFY 58	1:12.33 KEN KIMBALL 64	200 M. BACK M E N 60-64
1:18.91 LEE BETTIS 56	1:22.62 BOB PATTEN 59	1:12.60 WILLIAM LAUER 60	2:40.75 JACK BEATTIE 94
1:19.34 MARSHALL GREER 57	1:23.16 BARRY FASBENDER 57	1:13.40 JOHN GOODE 61	2:40.75 JACK BEATTIE 60
1:23.63 BILL EARLY 58	1:27.15 DAVID PAINTER 56	1:13.49 JOHN BLECK 61	3:06.62 KEN KIMBALL 64
1:24.82 JERRY GLANCY 56	1:28.08 HERB ALVARADO 58	200 M. FREE M E N 60-64	3:06.74 CLARKE MITCHELL 62
1:26.71 BARRY FASBENDER 57	1:30.15 RONALD DURKEE 55	2:21.77 GRAHAM JOHNSTON 91	3:11.91 STEVE HADLEY 62
1:27.31 ROBERT ADAMS 56	1:34.05 CHARLES MAAS 59	2:24.50 GRAHAM JOHNSTON 63	3:19.86 JOHN GOODE 61
1:27.99 ROLFFS PINKERTON 55	200 M. FLY M E N 55-59	2:36.77 JOHN KALAS 61	3:19.95 C.WEATHERBEE 61
1:28.04 RON MUGAVIN 57	2:42.05 ROBERT PROEBSTING93	2:39.20 LEN GOLDSTONE 64	3:21.19 ARTHUR WELCH 62
1:29.29 BOB BRUNER 55	2:59.85 ERNIE LESKOVITZ 57	2:41.43 WALLY DOBLER 60	3:29.77 EDWIN ROONEY 61
1:29.50 BRUCE MURRAY 57	3:08.56 WILLIAM JONES 57	2:41.89 BOB MILLER 64	3:34.78 KEN DAWSON 63
200 M. BACK M E N 55-59	3:08.57 BARRY FASBENDER 57	2:42.65 CHARLES MAAS 60	3:39.89 ROBERT COULTER 61
2:41.11 JACK BEATTIE 89	3:27.07 HERB ALVARADO 59	2:43.67 WILLIAM LAUER 60	50 M. BRST M E N 60-64
2:47.27 DAVE COSTILL 58	3:29.59 CHARLES MAAS 59	2:49.48 BOB EASUN 61	35.31 JOHN KORTHEUER 91
2:56.63 LEE BETTIS 56	3:40.58 KEITH BARTON 55	2:52.15 CHARLES KOHNKEN 63	36.99 JOHN KORTHEUER 63
2:56.80 JERRY GLANCY 56	3:51.52 CARL HOUSE 55	2:53.33 JOHN BLECK 61	37.49 BOB BEST 62
3:08.36 JOHN MEDICI 56	4:02.46 RON WILLIAMSON 55	400 M. FREE M E N 60-64	40.51 WALLY DOBLER 60
3:08.67 BARRY FASBENDER 57	4:05.51 PICKETT SIMPSON 58	5:02.20 GRAHAM JOHNSTON 93	41.15 JOHN BLECK 61
3:08.98 ROBERT ADAMS 56	4:46.20 TOM FOLEY 59	5:09.22 GRAHAM JOHNSTON 63	41.82 LLOYD SKRAMSTAD 60
3:10.54 BILL EARLY 58	100 M. I.M. M E N 55-59	5:38.33 JOHN KALAS 61	42.19 KENNETH FLYNN 64
3:12.66 RON MUGAVIN 57	1:12.57 DAVE COSTILL 91	5:54.04 MIKE MILLIMAN 60	42.24 CLARKE MITCHELL 62
3:17.39 JOHN TRAINER 57	1:19.52 BILL EARLEY 57	5:55.77 BILL KING 60	42.29 JOHN VAN HORN 62
3:21.41 CHUCK WILMORE 59	1:19.60 JAMES KRUEGER 56	6:01.67 CHARLES MAAS 60	42.61 LARRY SHANNON 61
50 M. BRST M E N 55-59	1:19.78 DICK PETERSON 57	6:04.81 CHARLES KOHNKEN 62	43.20 EDWARD ROSENHAUER 63
33.77 MANUEL SANGUILY 89	1:21.15 DAVE DRUM 58	6:04.91 KEN KIMBALL 64	100 M. BRST M E N 60-64
36.40 DAVE DABOLL 57	1:21.40 A. EMORY HAWORTH 58	6:09.59 DICK BOWER 64	1:18.77 JOHN KORTHEUER 91
37.63 MILTON GEE 57	1:21.82 DAVID PAINTER 56	6:18.96 ROGER CAMPBELL 64	1:32.49 JOHN BLECK 61
38.68 BILL MULLIKEN 55	1:21.98 GEORGE THAYER 58	6:23.33 JOHN BLECK 61	1:33.80 CLARKE MITCHELL 62
39.08 JAMES KRUEGER 56	1:22.03 GRAHAM SYMONDS 56	800 M. FREE M E N 60-64	1:35.33 KENNETH FLYNN 64
39.90 PETER CRUMBINE 55	1:22.91 JODY GRANT 55	10:52.66 GRAHAM JOHNSTON 94	1:35.84 JOHN VAN HORN 62
39.98 BOB PATTEN 59	1:23.30 TELFAIR MAHAFFY 58	10:52.66 GRAHAM JOHNSTON 63	1:37.19 BENGT STROM 61
40.39 LANDON KIRCHNER 55	200 M. I.M. M E N 55-59	11:37.35 JOHN KALAS 61	1:37.59 LARRY SVANE 64
40.72 JERRY GLANCY 56	2:40.88 DAVE COSTILL 91	11:51.35 ARTHUR WELCH 62	1:39.88 HERBERT NAKAMA 64
41.11 BILL EARLY 58	2:47.76 MEL GOLDSTEIN 56	12:26.55 MIKE MILLIMAN 60	1:40.90 RON RICHTER 60
41.12 JERRY ABAD 56	2:54.76 ERNIE LESKOVITZ 57	12:29.68 CHARLES MAAS 60	1:42.52 WILLIAM CANNON 64
100 M. BRST M E N 55-59	2:58.85 WILLIAM JONES 57	12:44.38 CHARLES KOHNKEN 62	1:43.33 BOB DANIELSON 64
1:16.32 MANUEL SANGUILY 88	3:04.29 BILL EARLY 58	13:10.64 DICK BOWER 64	200 M. BRST M E N 60-64
1:25.20 MILTON GEE 57	3:04.44 JOHN MEDICI 56	13:30.54 RICHARD CHISHOLM 60	3:00.71 JOHN KORTHEUER 91
1:26.74 BOB PATTEN 59	3:05.38 TELFAIR MAHAFFY 58	14:08.08 LEO VAN DIJK 61	3:07.48 MANUEL SANGUILY 61
1:27.70 DICK PETERSON 57	3:07.70 BARRY FASBENDER 57	14:29.63 SCOTT PETREQUIN 61	3:23.66 JOHN BLECK 61
1:28.61 DAVE DABOLL 58	3:09.88 DAVE DRUM 59	1500 M. FREE M E N 60-64	3:31.67 KENNETH FLYNN 64
1:28.79 BILL MULLIKEN 55	3:12.87 BOB PATTEN 59	20:12.52 GRAHAM JOHNSTON 93	3:32.61 WILLIAM LAUER 60
1:30.41 LANDON KIRCHNER 55	3:22.20 ROBERT BENSON 59	23:16.40 CHARLES MAAS 60	3:35.21 CARL PENZEL 60
1:30.66 JOHN MEDICI 56	400 M. I.M. M E N 55-59	23:34.32 MIKE MILLIMAN 60	3:37.07 LARRY SVANE 64
1:31.67 A. EMORY HAWORTH 58	5:54.37 BURWELL JONES 89	23:40.42 KEN KIMBALL 64	3:38.26 BENGT STROM 61
1:32.54 PETER CRUMBINE 55	6:10.39 ERNIE LESKOVITZ 57	24:05.41 BILL KING 60	3:39.03 HERBERT NAKAMA 64
1:32.58 JERRY ABAD 56	6:28.31 J.C.BRENTON 59	24:34.65 JOHN BLECK 61	3:40.47 LARRY SHANNON 61
200 M. BRST M E N 55-59	6:43.47 WILLIAM JONES 57	24:36.57 DICK BOWER 64	3:42.53 JOHN VAN HORN 62
2:51.47 MANUEL SANGUILY 89	6:47.66 BARRY FASBENDER 57	24:41.81 BOB EASUN 61	50 M. FLY M E N 60-64
3:03.22 DAVE COSTILL 58	6:51.88 L.KIRCHNER 56	25:21.67 RICHARD CHISHOLM 60	32.34 JOHN KORTHEUER 91
3:12.28 BILL MULLIKEN 55	7:23.39 NEIL WORTMANN 59	27:50.26 STEVEN SCHOFIELD 62	34.66 HERB KERN 62
3:13.38 BOB PATTEN 59	7:39.43 PETER YAW 57	27:53.06 GEORGE BUSSE 62	34.72 LARRY SHANNON 61

TOP TEN SHORT COURSE METERS

35.25 CLARKE MITCHELL	62	31.54 MILTON SENS	68	47.27 DON KORTEN	67	1:28.37 JOSEPH KURTZMAN	68
35.29 WILLIAM LAUER	60	31.57 PAUL HUTINGER	69	100 M. BACK M E N 65-69		1:30.11 LEN GOLDSTONE	65
35.39 LEN GOLDSTONE	64	31.58 ROBERT BLAKE	69	1:19.07 ROGER FRANKS	94	1:34.54 FRANK PIEMME	69
37.31 PARRY O'BRIEN	62	32.65 JIM JONES	66	1:19.07 ROGER FRANKS	67	1:36.21 MILT BRIER	66
37.80 YOSHI OYAKAWA	61	33.03 WILLIAM IRWIN	66	1:22.04 PAUL HUTINGER	69	1:46.53 JIM JONES	66
37.85 JOHN GOODE	61	100 M. FREE M E N 65-69		1:27.50 FLOYD ELIOTT	67	1:47.90 GENE SAPPER	65
38.39 ERIC GUEST	64	1:07.13 FRANK PIEMME	90	1:38.82 LEE ARTH	69	1:52.20 DON KORTEN	67
38.64 C.WEATHERBEE	61	1:10.88 WILLIAM PHILLIPS	66	1:39.66 WAYNE SHADBOLT	68	1:56.74 FRED ECKHARDT	68
100 M. FLY M E N 60-64		1:11.56 FRANK PIEMME	69	1:40.49 DON KORTEN	67	1:58.90 ROBERT BLAKE	69
1:15.69 JOHN KORTHEUER	91	1:11.84 ROBERT BLAKE	69	1:42.81 JACK TRUBY	69	200 M. FLY M E N 65-69	
1:27.07 WILLIAM LAUER	60	1:13.19 WILLIAM DOLAN	65	1:42.95 WILFORD DOLPHIN	68	3:07.91 CHARLES MOSS	93
1:27.79 LARRY SHANNON	61	1:13.49 BOB HERITIER	65	1:43.80 THOMAS FLYNN	65	3:15.85 CHARLES MOSS	66
1:29.74 CLARKE MITCHELL	62	1:14.45 MILTON SENS	68	1:45.10 ISAAC SISKIND	66	3:21.74 LEN GOLDSTONE	65
1:32.10 LEN GOLDSTONE	64	1:14.89 WILLIAM IRWIN	66	200 M. BACK M E N 65-69		3:28.25 JOSEPH KURTZMAN	68
1:33.21 PARRY O'BRIEN	62	1:18.64 JIM JONES	66	2:52.77 ROGER FRANKS	94	3:51.79 DON KORTEN	67
1:37.28 CHARLES MAAS	60	1:20.71 JARKA BURIAN	66	2:52.77 ROGER FRANKS	67	4:23.16 FRED ECKHARDT	68
1:37.90 HERBERT NAKAMA	64	1:21.34 WAYNE SHADBOLT	68	3:03.89 PAUL HUTINGER	69	4:25.69 ART KELLEY	69
1:39.85 GENE SAPPER	64	200 M. FREE M E N 65-69		3:07.67 FLOYD ELIOTT	67	5:04.24 DOUG STRONG	69
1:43.02 CHARLES KOHNKEN	62	2:34.27 WILLIAM PHILLIPS	93	3:33.47 LEE ARTH	69	5:48.74 AL ROGERSON	69
1:43.33 WILLIAM CANNON	64	2:34.77 WILLIAM PHILLIPS	66	3:41.20 WILFORD DOLPHIN	68	6:45.44 BILL BRESKO	66
200 M. FLY M E N 60-64		2:43.82 FRANK PIEMME	69	3:45.94 JOHN DAILY	66	100 M. I. M. M E N 65-69	
3:00.48 HARRY HUNSICKER	93	2:43.93 BOB HERITIER	65	3:46.99 HELMUT GUDE	68	1:19.45 CHARLES MOSS	93
3:19.55 WILLIAM LAUER	60	2:53.62 ROGER FRANKS	67	3:52.65 GEORGE MELICK	69	1:22.16 LEN GOLDSTONE	65
3:26.45 HERB KERN	62	2:54.51 WILLIAM IRWIN	66	3:54.77 JACK MCGREEN	68	1:23.92 FRANK PIEMME	69
3:29.09 CHARLES MAAS	60	2:55.71 ROBERT BLAKE	69	3:54.89 JACK MITCHELL	67	1:24.96 PAUL HUTINGER	69
3:41.43 CHARLES KOHNKEN	63	3:00.46 DICK WEBBER	65	50 M. BRST M E N 65-69		1:30.93 DICK WEBBER	65
3:41.58 HERBERT NAKAMA	64	3:00.56 WIN WILSON	67	38.18 JOSEPH KURTZMAN	91	1:32.15 DON HUBBARD	67
3:50.09 LARRY SHANNON	61	3:04.34 WAYNE SHADBOLT	68	40.82 BARTON GREENBERG	69	1:32.33 WILLIAM IRWIN	66
4:02.02 JOHN BAUMAN	64	3:07.90 BRUNO WEBER	66	41.10 JOSEPH KURTZMAN	68	1:33.02 DON KORTEN	67
4:09.87 WILLIAM CANNON	64	400 M. FREE M E N 65-69		42.63 FRANK PIEMME	69	1:35.17 LEE ARTH	69
4:15.47 DONALD MESSER	62	5:26.81 WILLIAM PHILLIPS	93	43.43 EUGENE SAPPER	65	1:36.53 GENE SAPPER	65
4:55.88 NED ALLEN	64	5:33.44 WILLIAM PHILLIPS	66	44.12 AUGUST MOTMANS	67	1:37.29 JIM JONES	66
100 M. I. M. M E N 60-64		5:54.06 ROGER FRANKS	67	44.39 ARNIE FORMO	67	200 M. I. M. M E N 65-69	
1:14.68 JOHN KORTHEUER	91	5:59.11 FRANK PIEMME	69	44.51 LEE ARTH	69	2:56.23 CHARLES MOSS	93
1:16.09 WALLY DOBLER	60	6:04.80 WIN WILSON	67	44.58 DON HUBBARD	67	3:02.81 CHARLES MOSS	66
1:20.36 GRAHAM JOHNSTON	63	6:33.50 ROBERT BLAKE	69	45.25 CARL EDWARDS	65	3:16.11 FRANK PIEMME	69
1:22.38 WILLIAM LAUER	60	6:36.63 WAYNE SHADBOLT	68	45.98 GEORGE MELICK	69	3:39.51 FRED WADSWORTH	65
1:24.03 HERB KERN	62	6:41.95 BRUNO WEBER	66	100 M. BRST M E N 65-69		3:45.68 JOHN DAILY	66
1:24.34 CLARKE MITCHELL	62	6:42.60 JOHN DAILY	66	1:27.91 BARTON GREENBERG	89	3:47.90 ISSAC SISKIND	66
1:24.49 YOSHI OYAKAWA	61	6:45.34 LEE ARTH	69	1:38.92 GENE SAPPER	65	3:50.32 JACK MITCHELL	67
1:24.53 BOB MILLER	64	6:48.59 JOE COVEY	68	1:39.53 ARNIE FORMO	67	3:53.45 GENE SAPPER	65
1:26.08 C.WEATHERBEE	61	800 M. FREE M E N 65-69		1:39.79 LEE ARTH	69	3:54.23 ROBERT BLAKE	69
1:28.36 EDWARD ROSENHAUER	63	11:33.11 ROGER FRANKS	93	1:40.28 BOB METH	65	4:02.14 VESTOR BOONE	69
1:28.55 JOHN BLECK	61	12:06.96 FRANK PIEMME	69	1:41.29 JOSEPH KURTZMAN	68	4:03.27 FRED ECKHARDT	68
200 M. I. M. M E N 60-64		12:12.80 WIN WILSON	67	1:42.76 MILT BRIER	66	400 M. I. M. M E N 65-69	
2:46.69 GRAHAM JOHNSTON	91	13:40.97 ROBERT BLAKE	69	1:44.83 DON HUBBARD	67	6:28.87 CHARLES MOSS	93
2:49.03 JACK BEATTIE	60	14:11.47 JOHN DAILY	66	1:45.61 HELMUT GUDE	68	6:34.52 CHARLES MOSS	66
2:51.49 WALLY DOBLER	60	14:23.99 JOHN MILTON	67	1:46.34 GEORGE MELICK	69	6:37.57 ROGER FRANKS	67
2:58.68 GRAHAM JOHNSTON	63	14:26.12 ROY HOCH	67	1:50.42 JIM JONES	66	8:09.96 ISAAC SISKIND	66
3:05.52 WILLIAM LAUER	60	15:14.81 RICHARD DANIEL	68	200 M. BRST M E N 65-69		8:39.38 FRED ECKHARDT	68
3:05.99 LEN GOLDSTONE	64	15:20.46 VESTOR BOONE	69	3:16.65 CHARLES MOSS	93	8:56.62 JAE BIRCH	66
3:09.57 HERB KERN	62	15:53.84 WILLIAM MARINO	67	3:23.04 CHARLES MOSS	66	9:15.07 GENE SAPPER	65
3:10.32 BOB MILLER	64	17:40.61 AL ROGERSON	69	3:26.41 BARTON GREENBERG	69	9:53.36 HOWARD STOKER	69
3:13.10 CLARKE MITCHELL	62	1500 M. FREE M E N 65-69		3:41.06 LEE ARTH	69	10:50.98 BILL BRESKO	66
3:20.04 HERBERT NAKAMA	64	21:57.69 ROGER FRANKS	93	3:45.01 GENE SAPPER	65	12:44.06 JIM BISBEE	68
3:21.27 C.WEATHERBEE	61	22:26.25 WILLIAM PHILLIPS	66	3:45.51 ARNIE FORMO	67	*****	
400 M. I. M. M E N 60-64		22:50.55 WIN WILSON	67	3:53.41 BOB METH	65	50 M. FREE M E N 70-74	
6:02.73 GRAHAM JOHNSTON	93	22:54.68 FRANK PIEMME	69	3:54.55 JOHN DAILY	66	32.09 JOHN FLORANCE	94
6:28.15 BOB BEST	62	26:41.55 BRUNO WEBER	66	3:55.76 WILFORD DOLPHIN	68	32.09 JOHN FLORANCE	71
6:45.04 WILLIAM LAUER	60	27:02.76 JOHN DAILY	66	3:57.11 DON HUBBARD	67	32.50 PAUL HUTINGER	70
6:54.14 HERB KERN	62	28:29.95 RICHARD DANIEL	68	3:59.97 FRED WADSWORTH	65	33.78 ANDREW HOLDEN	74
7:13.76 C.WEATHERBEE	61	29:31.96 JOHN MILTON	66	50 M. FLY M E N 65-69		33.85 JURGEN SCHMIDT	71
7:16.61 CHARLES KOHNKEN	63	29:56.94 JOAQUIN SILVERIO	68	33.63 FRANK PIEMME	90	34.68 JOHN WOODS	71
7:27.61 HERBERT NAKAMA	64	30:19.22 VESTOR BOONE	69	36.10 PAUL HUTINGER	69	35.52 JOHN PATTEN	73
7:40.80 WILLIAM CANNON	64	30:57.62 ROBERT HARRIS	69	36.13 FRANK PIEMME	69	36.00 GEORGE BRINTON	70
7:44.09 LARRY SVANE	64	50 M. BACK M E N 65-69		36.67 DICK WEBBER	65	36.02 BOB MERRICK	74
7:50.02 KEN DAWSON	63	35.54 PAUL HUTINGER	90	36.93 JOSEPH KURTZMAN	68	36.11 LOUIS GIBERSON	74
8:05.29 JOHN BAUMAN	64	36.94 PAUL HUTINGER	69	38.13 WILLIAM IRWIN	66	36.30 RICHARD AVERY	71
*****		40.25 FLOYD ELIOTT	67	38.26 JIM JONES	66	100 M. FREE M E N 70-74	
50 M. FREE M E N 65-69		41.95 THOMAS FLYNN	65	39.14 DON HUBBARD	67	1:12.57 JOHN RICHARDS	92
29.63 FRANK PIEMME	90	42.53 FRANK PIEMME	69	41.69 MILT BRIER	66	1:15.71 JURGEN SCHMIDT	71
30.82 FRANK PIEMME	69	44.80 JACK MCGREEN	68	43.05 JACK MITCHELL	67	1:18.92 JOHN WOODS	71
31.39 BOB CONGELLIERE	65	44.84 JACK MITCHELL	67	44.61 JACK MCGREEN	68	1:20.70 BOB MERRICK	74
31.45 DICK WEBBER	65	45.78 TED BREEN	66	100 M. FLY M E N 65-69		1:22.42 DICK LOIZEAUX	73
31.49 WILLIAM DOLAN	65	46.19 WAYNE SHADBOLT	69	1:20.32 CHARLES MOSS	93	1:24.35 GAETANO PAVONE	71
31.52 BOB HERITIER	65	47.17 LORING HOLMES	65	1:23.68 CHARLES MOSS	66	1:26.08 GEORGE BRINTON	70

TOP TEN

SHORT COURSE METERS

1:26.20 WALT LINDSTROM 71	3:37.35 GERALD HUESTIS 74	1:38.53 JOHN WOODS 71	7:47.92 GEORGE RAFTER 78
1:26.66 JOHN PATTEN 73	3:39.18 GEORGE BRINTON 70	1:39.38 WAYNE SHADBOLT 70	800 M. FREE M E N 75-79
1:26.97 LOUIS GIBERSON 74	3:39.26 JOHN WOODS 71	1:44.93 ROBERT WRIGHT 73	12:45.40 RAY TAFT 94
1:28.06 EDWARD BITNER 71	3:41.58 JOHN BRICKER 74	1:47.06 JOHN STERN 70	12:45.40 RAYMOND TAFT 75
200 M. FREE M E N 70-74	3:48.38 NORMAN GARSOE 70	1:55.12 NORMAN GARSOE 70	13:36.32 ALDO DA ROSA 76
2:46.86 RAY TAFT 89	3:53.87 RAYMOND HAKOMAKI 73	1:55.61 ROBERT ACKER 73	14:22.44 NORRIS FLUKE 77
2:56.70 JURGEN SCHMIDT 71	3:59.31 GILBERT YOUNG 72	1:55.66 HERMAN FOREST 73	14:24.18 DAVID MULLIKEN 75
3:02.09 JOHN WOODS 71	4:01.05 JOHN CRANCH 71	200 M. I.M. M E N 70-74	15:08.51 FRANK MURPHY 75
3:07.81 BOB MERRICK 74	50 M. BRST M E N 70-74	3:08.13 RAY TAFT 89	15:39.38 JOHN MERRILL 77
3:08.76 WAYNE SHADBOLT 70	39.76 BARTON GREENBERG 94	3:25.87 JURGEN SCHMIDT 71	15:45.24 JOHN WOODS 76
3:12.68 JIM EDWARDS 71	39.76 BARTON GREENBERG 70	3:35.05 BOB MERRICK 74	17:51.61 DICK LYMAN 76
3:12.87 WALT LINDSTROM 71	44.32 TOM DOWELL 72	3:37.09 GERALD HUESTIS 74	28:36.35 BILL MCCARTHY 77
3:22.37 LOUIS GIBERSON 74	44.97 JIMMY CHOY 74	3:49.54 JOHN WOODS 71	1500 M. FREE M E N 75-79
3:29.93 GAETANO PAVONE 71	45.09 ABRASHA BRAININ 71	3:50.43 RICHARD SMITH 74	24:46.19 ALDO DA ROSA 93
3:30.49 ELLIOTT SCHOFIELD 72	45.46 NORMAN GARSOE 70	3:55.06 NORMAN GARSOE 70	25:23.92 RAYMOND TAFT 75
3:31.40 ROBERT ACKER 73	45.76 BOB MERRICK 74	4:04.36 EARL WALTER 72	25:43.61 ALDO DA ROSA 76
400 M. FREE M E N 70-74	47.93 RICHARD AVERY 71	4:07.73 PIERCE BRAY 70	27:14.84 NORRIS FLUKE 77
5:56.06 RAY TAFT 89	47.96 JOHN STERN 70	4:19.20 ROBERT ACKER 73	29:16.09 JOHN MERRILL 77
6:14.21 PAUL HUTINGER 70	48.29 ROBERT LAVANTURE 72	4:38.02 HERMAN FOREST 73	29:34.69 JOHN WOODS 76
6:23.94 JURGEN SCHMIDT 71	48.86 JOHN FLORANCE 71	400 M. I.M. M E N 70-74	33:29.61 MAURICE STERN 78
6:41.85 GIL YOUNG 72	100 M. BRST M E N 70-74	6:50.27 RAY TAFT 89	37:54.13 FRANK TILLOTSON 79
6:42.09 WAYNE SHADBOLT 70	1:29.48 BARTON GREENBERG 94	7:01.47 PAUL HUTINGER 70	40:43.44 BILL MCCARTHY 77
6:45.70 BOB MERRICK 74	1:29.48 BARTON GREENBERG 70	7:41.36 GERALD HUESTIS 74	50 M. BACK M E N 75-79
6:52.96 RICHARD SMITH 74	1:43.58 NORMAN GARSOE 70	8:13.03 RICHARD SMITH 74	39.83 RAY TAFT 94
6:53.99 JIM EDWARDS 71	1:44.16 BOB MERRICK 74	8:31.87 CLARENCE WEBB 72	39.83 RAYMOND TAFT 75
7:25.46 ELLIOTT SCHOFIELD 72	1:44.26 ABRASHA BRAININ 71	9:28.03 ROBERT ACKER 73	44.37 ALDO DA ROSA 76
7:26.57 TOM MC CALL 72	1:46.20 TOM DOWELL 72	10:13.64 FRANK SCHURR 72	45.69 BRION WINSHIP 76
7:28.47 EDWARD BITNER 71	1:48.67 RAYMOND HAKOMAKI 73	11:00.48 JAY CHARLES 72	45.78 BOB CHRISTIANS 79
800 M. FREE M E N 70-74	1:51.98 RICHARD AVERY 71	*****	50.55 FRANK MOORMAN 77
12:15.49 RAY TAFT 89	1:52.03 JOHN STERN 70	50 M. FREE M E N 75-79	52.19 JOHN HAAKE 75
13:03.70 JURGEN SCHMIDT 71	1:52.13 JURGEN SCHMIDT 71	32.78 KELLEY LEMMON 88	53.79 JOHN WHITTIER 79
14:15.20 RICHARD SMITH 74	1:54.36 TOM MC CALL 72	35.74 JERRY SIEFERT 76	55.42 FRANK TILLOTSON 79
14:18.81 BOB MERRICK 74	200 M. BRST M E N 70-74	35.80 LYNN SURLS 77	56.51 WILLIAM PATTEN 76
14:46.21 JIM EDWARDS 71	3:24.66 ALDO DA ROSA 88	36.63 STEVE CARLSON 75	58.28 MURRAY EAGER 77
15:39.46 EDWARD BITNER 71	3:47.60 NORMAN GARSOE 70	37.14 WILLIAM JOHNSTON 76	100 M. BACK M E N 75-79
16:33.93 RAYMOND HAKOMAKI 73	3:58.28 ABRASHA BRAININ 71	38.03 BILL ODMAN 75	1:27.41 RAY TAFT 94
16:55.36 EDWARD SWIECKI 70	4:11.12 TOM MC CALL 72	39.21 FRANK MURPHY 75	1:27.41 RAYMOND TAFT 75
17:25.17 ELMER FROST 71	4:11.26 JOHN STERN 70	39.50 BOB CHRISTIANS 79	1:36.69 NORRIS FLUKE 77
17:51.68 FRED ROGERS 71	4:27.13 KHOSROW SHADBEH 72	40.43 EDWIN WOLPAW 79	1:47.69 BRION WINSHIP 76
18:17.75 JOSEPH MALLON 73	4:32.00 EARL WALTER 72	41.60 JOHN WHITTIER 79	1:52.27 BOB CHRISTIANS 79
1500 M. FREE M E N 70-74	4:37.78 RAY GILLILAND 72	42.08 JOHN HAAKE 75	1:57.29 DICK GUIDO 77
23:59.12 ALDO DA ROSA 88	4:39.32 WALTER LYNCH 73	100 M. FREE M E N 75-79	1:57.63 JOHN HAAKE 75
24:52.85 JURGEN SCHMIDT 71	4:45.65 ROBERT ACKER 73	1:15.94 KELLEY LEMMON 88	2:02.52 FRANK MOORMAN 77
26:14.45 GILBERT YOUNG 72	4:56.09 DAN MCNEIL 70	1:22.56 JERRY SIEFERT 77	2:03.77 FRANK TILLOTSON 79
27:51.12 JIM EDWARDS 71	50 M. FLY M E N 70-74	1:22.68 ALDO DA ROSA 76	2:11.01 JOHN WHITTIER 79
32:17.15 ELMER FROST 71	35.25 PAUL HUTINGER 94	1:23.08 STEVE CARLSON 75	2:14.09 KERMIT HOTVEDT 79
34:53.98 JOHN CRANCH 71	35.13 PAUL HUTINGER 70NW	1:24.20 LYNN SURLS 77	200 M. BACK M E N 75-79
35:02.97 JOSEPH MALLON 72	38.34 JURGEN SCHMIDT 71	1:27.41 NORRIS FLUKE 77	3:10.22 RAY TAFT 94
50 M. BACK M E N 70-74	39.30 ANDREW HOLDEN 74	1:27.71 BILL ODMAN 75	3:10.22 RAYMOND TAFT 75
35.71 PAUL HUTINGER 94	42.39 GEORGE BRINTON 70	1:35.81 JOHN HAAKE 75	3:25.13 NORRIS FLUKE 77
35.71 PAUL HUTINGER 70	43.64 JOHN WOODS 71	1:36.58 BOB CHRISTIANS 79	3:32.30 ALDO DA ROSA 76
39.24 GEORGE BRINTON 70	44.59 LOUIS GIBERSON 74	1:36.59 HARRY BARTLETT 78	4:10.03 JOHN HAAKE 75
41.19 GEORGE GANDSEY 71	45.12 JOHN STERN 70	1:37.29 GEORGE HUBBELL 75	4:11.60 GEORGE HUBBELL 75
42.74 BOB MERRICK 74	45.71 PIERCE BRAY 70	200 M. FREE M E N 75-79	4:25.10 FRANK MOORMAN 77
42.83 GERALD HUESTIS 74	47.16 ABRASHA BRAININ 71	2:48.67 RAY TAFT 94	4:34.75 FRANK TILLOTSON 79
43.25 JOHN WOODS 71	47.35 RICHARD SMITH 74	2:48.67 RAYMOND TAFT 75	4:39.54 WILLIAM PATTEN 76
43.69 ANDREW HOLDEN 74	100 M. FLY M E N 70-74	3:05.38 ALDO DA ROSA 76	4:50.09 HENRY SHOSTCHUK 76
45.02 RICHARD AVERY 71	1:31.20 PAUL KRUP 89	3:06.14 STEVE CARLSON 75	4:50.30 JOHN WHITTIER 79
46.72 JURGEN SCHMIDT 71	1:45.23 BOB MERRICK 74	3:11.85 NORRIS FLUKE 77	50 M. BRST M E N 75-79
47.41 ELLIOTT SCHOFIELD 72	1:53.16 RICHARD SMITH 74	3:17.25 BILL ODMAN 75	42.85 PAUL KRUP 93
100 M. BACK M E N 70-74	1:53.77 GEORGE BRINTON 70	3:21.33 DICK GUIDO 77	44.37 ALDO DA ROSA 76
1:21.74 PAUL HUTINGER 94	1:59.38 CLARENCE WEBB 71	3:23.33 FRANK MURPHY 75	45.20 PAUL KRUP 77
1:21.74 PAUL HUTINGER 70	2:00.78 EARL WALTER 73	3:28.12 GEORGE HUBBELL 75	52.41 EDWIN WOLPAW 79
1:30.28 GEORGE BRINTON 70	2:09.61 HERMAN FOREST 73	3:34.88 HARRY BARTLETT 78	52.47 MURRAY EAGER 77
1:32.54 GEORGE GANDSEY 71	2:18.52 VAL OUCHAKOF 70	3:41.55 JOHN HAAKE 75	55.66 BOB CHRISTIANS 79
1:34.77 BOB MERRICK 74	2:35.77 FRANK SCHURR 72	400 M. FREE M E N 75-79	56.84 STANLEY PUDELL 79
1:37.73 JOHN BRICKER 74	2:48.55 JAY CHARLES 71	6:20.11 ALDO DA ROSA 93	57.40 HARRY BARTLETT 78
1:38.21 JOHN WOODS 71	200 M. FLY M E N 70-74	6:27.25 RAYMOND TAFT 75	59.18 PAUL MENZIES 78
1:40.66 WAYNE SHADBOLT 70	3:31.97 ANTON CERER 89	6:31.52 STEVE CARLSON 75	1:01.56 DAR WHEELER 78
1:42.09 GERALD HUESTIS 74	4:14.76 RICHARD SMITH 74	6:37.20 ALDO DA ROSA 76	1:02.98 DON GINGRAS 75
1:47.05 ELLIOTT SCHOFIELD 72	6:19.64 JAY CHARLES 72	6:45.93 DAVID MULLIKEN 75	100 M. BRST M E N 75-79
1:48.13 EARL WALTER 72	100 M. I.M. M E N 70-74	6:48.33 NORRIS FLUKE 77	1:37.39 ALDO DA ROSA 92
200 M. BACK M E N 70-74	1:21.87 RAY TAFT 89	7:09.76 LYNN SURLS 77	1:41.13 ALDO DA ROSA 76
2:59.92 PAUL HUTINGER 94	1:23.04 PAUL HUTINGER 70	7:11.92 DICK GUIDO 77	1:46.34 PAUL KRUP 77
2:59.92 PAUL HUTINGER 70	1:35.92 JURGEN SCHMIDT 71	7:44.53 JOHN MERRILL 77	2:02.56 MURRAY EAGER 77
3:30.97 GEORGE GANDSEY 71	1:35.94 BOB MERRICK 74	7:44.69 HARRY BARTLETT 78	2:16.74 STANLEY PUDELL 79

TOP TEN SHORT COURSE METERS

2:20.02 PAUL MENZIES 78	2:06.34 JOHN GLENN 83	1:16.31 EVERETT CASSELL 80	200 M. FREE M E N 85-89
200 M. BRST M E N 75-79	2:06.60 GEORGE BAUMAN 80	1:17.95 ROY BODINE 83	3:48.20 GUS LANGNER 89
3:34.29 ALDO DA ROSA 93	2:11.30 FRANK TILLOTSON 80	1:25.46 GEORGE BRACELAND 80	5:39.39 DON NEEFE 86
3:42.35 ALDO DA ROSA 76	2:11.71 SYD HENDY 81	100 M. BRST M E N 80-84	6:04.31 JOHN MAXWELL 86
3:57.89 PAUL KRUP 77	200 M. FREE M E N 80-84	1:56.36 WALTER PFEIFFER 94	400 M. FREE M E N 85-89
4:20.44 GEORGE HUBBELL 75	3:18.97 DEXTER WOODFORD 94	1:56.36 WALT PFEIFFER 80	7:54.24 GUS LANGNER 88
5:48.45 FRANK TILLOTSON 79	3:18.97 DEXTER WOODFORD 81	1:58.91 JERRY EVERALL 80	NO SWIMMERS
50 M. FLY M E N 75-79	3:55.44 DAVID MCAFEE 84	2:27.58 C.J. HAMILTON 81	800 M. FREE M E N 85-89
39.71 BIRCH DAVIDSON 94	3:57.47 WOODROW BOWERSOCK 81	2:38.06 FRANK TILLOTSON 80	16:53.90 GUS LANGNER 88
39.71 BIRCH DAVIDSON 75	4:26.51 WALTER PFEIFFER 81	2:47.45 JOHN GLENN 84	NO SWIMMERS
41.10 RAYMOND TAFT 75	4:33.37 L.SCHERMERHORN 80	3:08.96 GEORGE BRACELAND 80	1500 M. FREE M E N 85-89
43.64 PAUL KRUP 77	4:41.98 DONALD LEATHERMAN 82	3:12.17 ROY BODINE 83	32:20.20 GUS LANGNER 88
46.52 ALDO DA ROSA 76	4:42.76 FRANK TILLOTSON 80	3:14.28 HENRY STEINBISS 80	NO SWIMMERS
49.76 GEORGE RAFTER 78	5:20.76 JOHN GLENN 84	3:47.02 J RAY O'CONNELL 81	50 M. BACK M E N 85-89
50.12 EDWIN WOLPAW 79	7:52.47 JIM KIERNAN 83	200 M. BRST M E N 80-84	56.85 DAN DOTTERWEICH 93
51.93 WILLIAM JOHNSTON 76	400 M. FREE M E N 80-84	4:17.11 WALTER PFEIFFER 94	1:00.85 HARRY JAGGERS 87
53.15 DICK GUIDO 77	7:13.17 DEXTER WOODFORD 94	4:17.11 WALTER PFEIFFER 81	1:09.37 PETER JURCZYK 89
1:02.15 ROBERT SMITH 78	7:13.17 DEXTER WOODFORD 80	4:23.45 JERRY EVERALL 80	1:10.86 WILLIAM MARQUETTE 85
1:07.97 HARWELL MOSELEY 75	8:04.50 WOODROW BOWERSOCK 81	5:27.25 FRANK TILLOTSON 80	1:12.05 DON NEEFE 86
100 M. FLY M E N 75-79	8:34.57 DAVID MCAFEE 84	6:13.01 EVERETT CASSELL 80	1:13.97 JOE KAUFMAN 89
1:36.80 PAUL KRUP 92	9:50.31 FRANK TILLOTSON 80	6:30.67 JOHN GLENN 84	100 M. BACK M E N 85-89
1:46.24 PAUL KRUP 77	10:12.69 EVERETT CASSELL 80	6:52.07 HENRY STEINBISS 80	2:09.91 DAN DOTTERWEICH 93
2:03.54 WILLIAM JOHNSTON 76	14:16.82 GAR DANENHOWER 80	7:26.70 GAR DANENHOWER 80	2:33.42 PETER JURCZYK 89
2:19.63 JOHN JOHNSTON 79	800 M. FREE M E N 80-84	8:05.44 LOU PARKER 80	2:43.13 DON NEEFE 86
200 M. FLY M E N 75-79	15:07.97 HERBERT HOWE 92	50 M. FLY M E N 80-84	200 M. BACK M E N 85-89
3:49.00 PAUL KRUP 92	15:18.19 DEXTER WOODFORD 81	49.08 JESSE COON 91	4:55.62 PETER JURCZYK 90
3:59.25 ALDO DA ROSA 76	18:13.37 WOODROW BOWERSOCK 81	53.41 WILLIAM GRANT 80	5:25.70 PETER JURCZYK 89
4:06.13 PAUL KRUP 77	1500 M. FREE M E N 80-84	57.57 JESSE COON 84	50 M. BRST M E N 85-89
5:22.56 WILLIAM JOHNSTON 76	28:43.31 DEXTER WOODFORD 94	57.64 WOODROW BOWERSOCK 81	58.39 JIM PENFIELD 93
100 M. I.M. M E N 75-79	28:43.31 DEXTER WOODFORD 81	1:09.63 DONALD LEATHERMAN 82	1:35.87 PETER JURCZYK 89
1:27.43 RAY TAFT 94	34:29.00 FRED WALBOLT 81	1:21.65 ROY BODINE 83	1:46.49 JOHN MAXWELL 86
1:27.43 RAYMOND TAFT 75	42:52.20 C.J. HAMILTON 80	1:30.48 C.J. HAMILTON 81	2:03.10 DON NEEFE 86
1:28.97 BIRCH DAVIDSON 75	50 M. BACK M E N 80-84	1:38.01 LEE KING 82	100 M. BRST M E N 85-89
1:41.11 PAUL KRUP 77	43.92 EDWARD SHEA 94	100 M. FLY M E N 80-84	2:09.33 DAN DOTTERWEICH 93
1:45.72 JERRY SIEFERT 76	43.92 EDWARD SHEA 80	1:52.51 WALTER PFEIFFER 94	NO SWIMMERS
1:48.14 NORRIS FLUKE 77	54.11 JIM TRIOLO 80	1:52.51 WALT PFEIFFER 80	200 M. BRST M E N 85-89
1:48.47 DAVID MULLIKEN 75	54.33 WILLIAM GRANT 81	2:16.80 WILLIAM GRANT 80	5:30.76 GUS LANGNER 88
1:53.48 WILLIAM JOHNSTON 76	54.39 HANS KOLB 80	2:35.70 JESSE COON 84	NO SWIMMERS
1:53.68 GEORGE RAFTER 78	54.42 FRANK TILLOTSON 80	2:57.94 ROY BODINE 83	50 M. FLY M E N 85-89
1:56.33 EDWIN WOLPAW 79	55.03 WOODROW BOWERSOCK 81	200 M. FLY M E N 80-84	1:04.75 JIM PENFIELD 93
2:01.92 JOHN JOHNSTON 79	55.85 FREDERICK HAUFF 80	4:25.99 WALTER PFEIFFER 94	NO SWIMMERS
200 M. I.M. M E N 75-79	1:00.13 SYD HENDY 81	4:25.99 WALTER PFEIFFER 81	100 M. I.M. M E N 85-89
3:20.35 RAY TAFT 94	1:00.62 JOHN GLENN 84	5:46.63 JESSE COON 84	2:15.66 JIM PENFIELD 93
3:20.35 RAYMOND TAFT 75	1:04.15 ROY BODINE 83	100 M. I.M. M E N 80-84	2:53.23 PETER JURCZYK 89
3:48.46 NORRIS FLUKE 77	100 M. BACK M E N 80-84	1:44.08 WALTER PFEIFFER 94	200 M. I.M. M E N 85-89
4:02.29 DAVID MULLIKEN 75	1:37.17 EDWARD SHEA 94	1:44.08 WALT PFEIFFER 80	5:02.31 HERB EISENSCHMIDT91
4:14.91 GEORGE RAFTER 78	1:37.17 EDWARD SHEA 80	1:53.95 WILLIAM GRANT 81	NO SWIMMERS
4:29.34 JOHN JOHNSTON 79	1:58.61 HANS KOLB 80	2:14.98 JESSE COON 84	400 M. I.M. M E N 85-89
4:31.77 WILLIAM JOHNSTON 76	2:00.96 WOODROW BOWERSOCK 81	2:23.59 FRANK TILLOTSON 80	10:47.13 HERB EISENSCHMIDT91
6:35.81 MEL ANDERSON 76	2:06.35 FRANK TILLOTSON 80	2:34.75 ROY BODINE 83	NO SWIMMERS
400 M. I.M. M E N 75-79	2:09.59 FREDERICK HAUFF 80	2:39.82 C.J. HAMILTON 81	*****
7:08.53 RAY TAFT 94	2:20.42 JOHN GLENN 83	2:56.83 EVERETT CASSELL 80	50 M. FREE M E N 90-94
7:08.53 RAYMOND TAFT 75	2:28.66 L.SCHERMERHORN 80	3:13.34 LEE KING 82	50.09 GUS LANGNER 93
7:36.00 BIRCH DAVIDSON 76	2:46.31 FRED WALBOLT 81	200 M. I.M. M E N 80-84	1:01.22 GUS LANGNER 90
8:32.38 DAVID MULLIKEN 75	3:06.09 GEORGE BRACELAND 80	3:50.55 WOODROW BOWERSOCK94	100 M. FREE M E N 90-94
*****	3:12.05 RALPH TRACY 84	3:50.55 WOODROW BOWERSOCK 81	1:58.42 GUS LANGNER 93
50 M. FREE M E N 80-84	200 M. BACK M E N 80-84	3:59.52 WALT PFEIFFER 80	2:22.56 GUS LANGNER 90
35.16 WOODROW BOWERSOCK93	3:33.91 EDWARD SHEA 94	4:45.85 WILLIAM GRANT 80	200 M. FREE M E N 90-94
36.16 WOODROW BOWERSOCK 81	3:33.91 EDWARD SHEA 80	5:13.54 JESSE COON 84	4:27.70 GUS LANGNER 93
38.49 WILLIAM GRANT 81	4:24.85 HANS KOLB 80	7:43.24 HENRY STEINBISS 81	5:10.88 GUS LANGNER 90
40.93 DEXTER WOODFORD 80	4:29.41 FRANK TILLOTSON 80	400 M. I.M. M E N 80-84	400 M. FREE M E N 90-94
43.00 FRANK BELLAIRE 84	4:40.72 WOODROW BOWERSOCK 81	8:34.45 WALTER PFEIFFER 94	8:50.65 GUS LANGNER 93
46.83 JOHN GLENN 84	5:07.01 SYD HENDY 81	8:34.45 WALTER PFEIFFER 81	NO SWIMMERS
47.69 DAVID MCAFEE 84	5:33.01 JOHN GLENN 84	10:20.38 WILLIAM GRANT 80	1500 M. FREE M E N 90-94
50.28 L.SCHERMERHORN 80	5:35.18 ROY BODINE 83	*****	51:43.20 PAUL SPANGLER 90
50.31 FRED WALBOLT 81	6:24.57 GEORGE BRACELAND 80	50 M. FREE M E N 85-89	NO SWIMMERS
51.47 GEORGE BAUMAN 80	7:25.44 HENRY STEINBISS 80	43.86 DAN DOTTERWEICH 93	50 M. BACK M E N 90-94
51.81 EVERETT CASSELL 80	50 M. BRST M E N 80-84	54.38 WILLIAM MARQUETTE 85	1:15.84 GUS LANGNER 93
100 M. FREE M E N 80-84	52.36 JERRY EVERALL 94	57.28 DON NEEFE 86	1:34.06 GUS LANGNER 90
1:20.65 WOODROW BOWERSOCK93	52.36 JERRY EVERALL 80	57.57 JOHN MAXWELL 86	200 M. BACK M E N 90-94
1:31.41 DEXTER WOODFORD 80	58.36 WILLIAM GRANT 81	58.76 PETER JURCZYK 89	6:35.42 GUS LANGNER 94
1:34.06 WOODROW BOWERSOCK 81	59.70 FREDERICK HAUFF 80	100 M. FREE M E N 85-89	6:35.42 GUS LANGNER 91
1:44.71 FRANK BELLAIRE 84	1:04.57 WOODROW BOWERSOCK 81	1:41.46 GUS LANGNER 89	50 M. BRST M E N 90-94
1:45.30 DAVID MCAFEE 84	1:05.19 C.J. HAMILTON 81	2:13.05 PETER JURCZYK 89	1:20.92 GUS LANGNER 93
1:51.76 FRED WALBOLT 81	1:06.68 JOHN GLENN 83	2:23.49 JOHN MAXWELL 86	1:33.70 GUS LANGNER 90
1:56.03 L.SCHERMERHORN 80	1:07.75 FRANK TILLOTSON 80	2:29.47 DON NEEFE 86	100 M. BRST M E N 90-94

TOP TEN SHORT COURSE METERS

3:01.95	GUS LANGNER	93
NO SWIMMERS		
200 M.	BRST M E N 90-94	
6:41.56	GUS LANGNER	94
6:41.56	GUS LANGNER	91
100 M.	I.M. M E N 90-94	
3:00.53	GUS LANGNER	94
3:00.53	GUS LANGNER	91

TOP TEN SHORT COURSE METERS

*****	JANET BOWMAN	33	JUDITH SILVERMAN	44	BARBARA BOWER	57
RELAYS: WOMEN 200 M. FREE	PATRICIA ABT	28	CAROL MILLER	43		
*****	ARIZONA MASTERS	2:06.97	LORI COLE	38	280-319	
76 - 99	BRENDA MAJOR	30	PARIS ISLAND	3:10.08	R:HOLMES LUMBER	93 3:04.95
R:UNIV HOUSTON 88 1:59.79	CAROLE FUNK	34	LINDA BALL	41	FLORENCE CARR	
PEGGY PLOUGH	LISA SARTORI	29	EVE MAJOR	31	GERTRUD ZINT	
STACY JONES	RANE SMITH	30	CLAIRE BROWN	50	JUNE REYNOLDS	
JANE HALLENBECK	EMPIRE STATE	2:09.92	BONNIE PIERCE	42	JEAN BEERS	
SANDY JOHNSON	PATRICIA DEC	37			HOLMES LUMBER	3:09.96
OAHU CLUB	KRISTIN KRAMER	33	200-239		FLORENCE CARR	69
JUNKO MITANI	CARRIE SACKETT	26	R:TAMALPAIS 89 2:11.64		GERTRUD ZINT	77
YUKI KOBAYASHI	EILEEN O'CONNOR	39	ANGELA KONIG		M. NEWMAN	70
HIOROKO KITAMURA	OREGON	2:10.95	LAVERNE ADAMS		JUNE REYNOLDS	72
SAORI MAKIKUBO	LISA VERKE	30	SHERRY RADEMACHER			
	JOANIE KREHBIEL	32	WANCY RIDOUT		320-359	
100-119	NANCY COLTON	34	SAN DIEGO SWIM	2:45.99	R:ST PETE	93 4:09.37
R:BAYLOR/L STAR 93 1:54.04	JULIE VERKE	24	BOBBI TURCOTTE	67	MARIAN MCKECHNIE	
MICHELLE CHOW	WEST HOLLYWOOD	2:13.67	PEGGY LEONG	50	WIN KENNEDY	
JOANNA CAIN	ERIN CHILDS	36	ANN DALLAM	64	FRANCES CICHANSKI	
AMY LASKA	PHRANC GOTTLIEB	36	DEANNA EPPINGER	28	KAY SCHIMPF	
CAROL CARR	KATHLEEN WALSH	33	RALEIGH AREA	2:48.21	NO RELAY TEAMS	
HOLMES LUMBER	MARIANNE KELLY	31	DAWN STROUPE	56	*****	
KATHY STEELE	STRAWBERRY CANY	2:14.04	ALICE JONES	56	RELAYS: WOMEN 200 M. MEDLEY	
GINA AGUILAR	KAREN OUELLETTE	33	CEIL BLACKWELL	54	*****	
TASHA HANSEN	BARRIE SIMPSON	36	MARY MEAD	52	76 - 99	
M. SUTTON	RACHEL HANSON	28	EMPIRE STATE	2:58.96	R:RINCONADA	94 2:15.89
SAN DIEGO SWIM	MARJORIE HEINRICH	33	LILLIAN FORMAN	58	CHRIS KANAZAWA	
KARLYN PIPES	SOUTH WEST AQUA	2:14.23	HELEN LEMAY	53	KAI CHING CHA	
VICKY DAVIDSON	HEATHER ANDERSON	24	JENIFER LEVIN	38	JAMIE RAAB	
JULIE SARKIN	ILENE TUCKER	36	CHORAL EDDIE	53	ELKE HOFMANN	
LESLIE STOREY	TRISHA COMMONS	30	HEARTLAND	2:59.13	RINCONADA	2:15.89
SOUTH WEST AQUA	CRISTI BELLOLI	34	JUDY TILARO	59	CHRIS KANAZAWA	27
HEATHER ANDERSON	NEW ENGLAND	2:15.91	NANCY REED	67	KAI CHING CHA	23
TERESA FRIAS	DONNA HEINEL	32	CHARLOTTE COWAN	54	JAMIE RAAB	24
CRISTI BELLOLI	CAROL KATZ	41	MARILYN RAMEY	54	ELKE HOFMANN	22
L.COTA-KUMAGAI	MARYALICE HAAS	31	ORLM	3:10.81	SANTA CLARA	2:18.43
FINS AQUATIC CL	JODY MATTULKE	35	ALYCE VOGEL	62	JOANNE MILLARD	19
MICHELLE WENDT			PENNY POTTER	47	BECKY LANIER	23
JULIE SPAHN	160-199		E. BEATTIE	58	E. THUNEN-FRENCH	19
MERRILL HILF	R:DC MASTERS 89 2:01.10		CAROL SEIDEL	40	ANNE WATKINS	19
ELIZABETH STORZ	SUSAN SKIFF				HUMUNUKUAPUAA	2:34.88
DIST. COLUMBIA	BARBARA ZAREMSKI		240-279		JULIA NEFCZYK	25
SHEILA WALSH	JAYNE BRUNER		R:NEW ENGLAND 94 2:25.52		LORNA MARTIN	27
JEAN PODRASKY	JACKI HIRSTY		CLARA WALKER		SHELLEY CARDEN	20
MARIANNE HAEGELI	MOVY	2:11.09	BILLIE A BURRILL		KIMBERLY HAXTON	24
BARBARA HILL	LAURA CALWELL	44	DIANE REED			
ANDERSON	L.MCHENRY	47	JENNIFER LUKER		100-119	
TOMI RICHARDS	T.MCGIVERIN	38	NEW ENGLAND	2:25.52	R:CRAWFISH 94 2:11.71	
CYNTHIA COPE	S.BLATTNER	37	CLARA WALKER	68	SARA SCHOONMAKER	
HEATHER THOMPSON	INDIANA	2:11.96	B.ANN BURRILL	73	PAIGE HARPER	
KRYSTAL KENNEDY	MARYANN STEVENS	41	DIANE REED	63	JAN RIPPLE	
PARIS ISLAND	E.MALKEMUS	25	JENNY LUKER	38	HEATHER HAGEMAN	
MARIA LONG	SHARON WISE	47	SAN DIEGO	2:45.39	CRAW	2:11.71
TRACY SWOPE	BEA HACKETT	50	ADRIENNE PIPES	60	SARA SCHOONMAKER	21
DIANNE BRADLEY	WEST HOLLYWOOD	2:22.08	LYNNE LUND	54	PAIGE HARPER	27
JILL BOND	KAREN MELICK	37	DIANA SILVA	72	JAN RIPPLE	38
	KATHY HIX	38	BETSY JORDAN	57	HEATHER HAGEMAN	23
120-159	JESSICA SEATON	41	OJAI/SANTA BARB	2:59.52	ORLM	2:17.62
R:ST LOUIS 89 1:58.02	KATHY CONTE	47	GAY COLLINS	64	VAN DER MOLEN	27
SUSAN RICHMOND	SPM	2:27.15	MALCHIA OLSHAN	63	EILEEN HARTLE	33
CATHERINE KOHN	JAYNE LAMBKE	55	RUTH FARNHAM	64	DEBRA HANSON	31
LESLIE COOPER	NANCY KIERNAN	40	CAROLE BORLAND	51	J. WILLIS	26
JEANNE HANISCH	LESLIE TREAT	45	SPM	3:04.14	EMPIRE STATE	2:23.27
WEST HOLLYWOOD	LISA HUDAK	29	BARBARA ALLEN	61	CATHY REDSON	32
ANDREA DEVUONO	BOLT	2:30.28	GLADYS OLSEN	68	MICHELE HUYETTE	26
AMY DANTZLER	KERRY FRITSCHER	26	SANDY STEER	55	LAUREN O'BRIEN	27
LISA BOVE	VICKI BUCCINO	48	DORIS MCEWAN	69	MARCY YEISLEY	25
MORRI SPANG	LINDA BUGNER	46	UNIV OF SAN FRA	3:25.77	PACIFIC NW AQUA	2:27.69
ORLM	ELLEN HALL	43	MARY GREER	72	JENNIFER OGLE	26
DEBRA HANSON	WIS MASTERS	2:35.70	MARY COFFEY	55	JENNIFER BATES	26
J. WILLIS	ANNE SIEGRIST	39	SARAH DAVIS	70	GAIL BRUNER	34
C. GATTO	NANCY KRANPITZ	49	KATHARINE ELLYARD	53	ELLEN FORNEY	26
EILEEN HARTLE	EDITH JACOBSEN	47	BOLT	3:30.37	SANTA CLARA	2:30.11
ADIRONDAK	CYNTHIA MALTRY	39	CLAIRE ROACH	67	ANNIE HARVEY	22
JANET SHAFFER	STRAWBERRY CANY	2:54.16	BETTY RUSSO	63	SUSIE BLAKE	28
LINDA BILLE	CAROL TURNBULL	40	JACKIE GOTHARD	60	LESLIE REID	29

TOP TEN SHORT COURSE METERS

MICHELLE MCBRIDE	23	SUSAN SKIFF		MAUREEN MENDOZA	
ANDERSON	2:45.27	JOANN LEILICH		THERESA BIXBY	
HEATHER THOMPSON	19	JAYNE BRUNER		LONG BEACH SWIM	4:21.54
TOMI RICHARDS	32	JACKI HIRSTY		KATHY STUPPY	24
KRYSTAL KENNEDY	21	MOVY	2:36.00	JILL KEENAN	25
CYNTHIA COPE	43	LAURA CALWELL	44	MAUREEN MENDOZA	33
IEM	2:51.49	S.BLATTNER	37	THERESA BIXBY	36
CHERESE EDER	20	L.MCHENRY	47	EMPIRE STATE	4:30.73
LYNN REILLY	37	T.MCGIVERIN	38	MARIE-H. CHARLAP	33
CINDY NEWTON	27	HOLMES LUMBER	2:43.53	CATHY REDSON	32
KELLE VIGELAND	31	LAURIE GRUBBS	42	MICHELE HUYETTE	26
PARIS ISLAND	2:56.56	D. GOODWYNE	32	MARCY YEISLEY	25
MARIA CHAPMAN	27	KATHRYN WINE	42	RINCONADA	4:39.29
DIANNE BRADLEY	31	S. DINGFIELD	47	JUDITH SCHWARTZ	40
TRACY SWOPE	29	SPM	2:50.37	KAI CHING CHA	23
JILL BOND	29	NANCY KIERNAN	40	ELKE HOFMAN	22
		LESLIE TREAT	45	JAMIE RAAB	24
120-159		JAYNE LAMBKE	55	CRESENT HILL	4:50.49
R:SAN DIEGO	94 2:05.27	LISA HUDAK	29	DONNA JOHNSON	27
VICKY DAVIDSON		PACIFIC NW AQU	2:58.31	GINA MARIE GATTI	31
MATHILDE BOUWMA		PINKY WALKER	51	BRIDGET NASTASI	28
KARLYN PIPES		KAY GLADE	43	JANET BARNEY	31
BETH KNIGHT		MICHELLE MCPHEE	36	IEM	5:21.70
SAN DIEGO SWIM	2:05.27	FRANCEAN BROWN	44	TRACIE HARANG	22
VICKY DAVIDSON	30	CONNECTICUT	3:02.37	CINDY CLUTTER	34
MATHILDE BOUWMA	26	SAMMY CARR	61	BRIDGET BERO	34
KARLYN PIPES	32	CHRISTINE HOWE	42	JANET POORMAN	29
BETH KNIGHT	35	MARCIA OCHOA	23	IEM	5:30.46
WEST HOLLYWOOD	2:11.41	ALISON CUNNINGHAM	37	NANCY KYLE	25
ANDREA DEVUONO	32	BOLT	3:08.12	KELLE VIGELAND	31
KAREN MELICK	37	BARBARA BOWER	57	LYNN REILLY	37
LISA BOVE	33	ELLEN HALL	43	CHERESE EDER	20
AMY DANTZLER	29	KERRY FRITSCHER	26		
LAKESIDE MASTER	2:19.03	VICKI BUCCINO	48		
MARY CHRIS CURL	37	ORLM	3:13.92	120-159	
A.WRIGHT-BELKNAP	44	ANGIE WILSON	46	R:SAN DIEGO	94 4:11.50
PAM MARTIN	37	ALYCE VOGEL	62	BETH KNIGHT	
AMY POPE	34	LYDIA THAMES	39	MATHILDE BOUWMA	
LONG BEACH SWIM	2:20.79	PENNY POTTER	47	VICKY DAVIDSON	
MIMI FRANK	47	STRAWBERRY CANY	3:19.32	KARLYN PIPES	
JILL KEENAN	25	CAROL MILLER	43	SAN DIEGO SWIM	4:11.50
KATHY STUPPY	24	JUDITH SILVERMAN	44	BETH KNIGHT	35
ANDREA BENNETT	28	CAROL TURNBULL	40	MATHILDE BOUWMA	26
STRAWBERRY CANY	2:22.26	SHELLEY SELLA	36	VICKY DAVIDSON	30
KAREN OUELLETTE	33			KARLYN PIPES	32
LINDA BUCHANAN	37	200-239		STRAWBERRY CANY	4:32.30
GRANATE SOSNOFF	31	R:TAMALPAIS	89 2:34.15	GRANATE SOSNOFF	31
MELANIE MOCIUN	41	LAVERNE ADAMS		KAREN OUELLETTE	33
AIR FORCE AQUAT	2:24.43	NANCY RIDOUT		MELANIE MOCIUN	41
ANNA RAY	31	SHERRY RADEMAKER		LINDA BUCHANAN	37
KELLY LAZERSON	33	ANGELA KONIG		ADIRONDACK DIST.	4:35.53
KAREN BURTON	32	RINCONADA	2:52.05	PATRICIA ABT	28
JARA FATOUT	24	ANN KAY	60	LINDA BILLE	34
HEARTLAND	2:25.10	BOBBI CALLISON	61	JANET BOWMAN	33
VICKI WEBSTER	32	SUE KELLY	46	JANET SHAFFER	28
STACY JOHNSON	31	CAROL MACPHERSON	56	WEST HOLLYWOOD	4:45.24
PATTY STARKS	34	RALEIGH AREA	2:56.64	ANDREA DEVUONO	32
REBECCA JACKMAN	31	CEIL BLACKWELL	54	ERIN CHILDS	36
WEST HOLLYWOOD	2:28.29	DAWN STROUPE	56	KATHLEEN WALSH	33
MARIANNE KELLY	31	ALICE JONES	56	AMY DANTZLER	29
ERIN CHILDS	36	KRYSTI HAMLIN	41	HEARTLAND	4:54.94
PHRANC GOTTLIEB	36	HOLMES LUMBER	3:07.68	VICKI WEBSTER	32
KATHLEEN WALSH	33	DOCTER WILLIAMS	30	PATTY STARKS	34
PACIFIC NW AQUA	2:29.02	JOAN GLARATON	67	REBECCA JACKMAN	31
LINDA MARIZ	45	JEAN STERLING	57	C.KUNCZINAM	29
MARIA MACKAY	25	SANDRA POWELL	47	STRAWBERRY CANY	4:56.79
BARB THRASHER	28	HEARTLAND	3:25.54	CINDY OLAVARRI	39
KATHLEEN TOIVOLA	30	MARLEN VALDERHAUG	53	MARJORIE HEINRICH	33
ARIZONA MASTERS	2:29.56	MARILYN RAMEY	54	BARRIE SIMPSON	36
CAROLE FUNK	34	CAROL SING	53	RACHEL HANSON	28
LISA SARTORI	29	CHARLOTTE CONAN	54	MOUNTAIN VIEW	4:57.90
RANE SMITH	30	OJAI/SANTA BARB	4:02.09	SUZANNE TOPP	27
BRENDA MAJOR	30	PEGGY SANBORN	67	SUSAN FODEN	41
		CHERYL GARZA	41	MO CHAMBERS	36
160-199		DONNA LECHMAN	36	JULIE PAQUE	36
R:D. C. MASTERS	89 2:19.83	JENNIE TAYLOR	77	DIST. COLUMBIA	4:58.12
				CAROL-ANN SMALLEY	37

TOP TEN SHORT COURSE METERS

KAREN BROWN	31	ANN DALLAM	64	MARIANNE KELLY	31	HEARTLAND	8:10.97
MARIANNE HAEGELI	32	DIANA SILVA	72	AMY DANTZLER	29	JUDY TILARO	59
BARBARA HILL	34	ADRIENNE PIPES	60	STRAWBERRY CANY	5:23.34	MARILYN RAMEY	54
CHINO AQUATIC	4:58.16	HEARTLAND	7:50.75	RACHEL HANSON	28	CAROL SING	53
CHERI PRICE	41	JUDY TILARO	59	LINDA BUCHANAN	37	CHARLOTTE COWAN	54
MARY-CHRIS KAY	40	NANCY REED	67	KAREN OUELLETTE	33		
KIMBERLY THOMAS	20	ELFRIEDE LEHTO	61	GRANATE SOSNOFF	31	240-279	
SANDRA SMITH	29	TRISH HUNTER	60	WEST HOLLYWOOD	5:26.52	R:ST LOUIS	92 6:24.68
OREGON	5:12.44			LISA BOVE	33	REGAN KENNER	
JILL SCHULDT	35	280-319		ERIN CHILDS	36	CAROL TAYLOR	
MARYANN PETERSEN	28	R:SAN MATEO	92 7:26.27	PHRANC GOTTLIEB	36	ARDETH MUELLER	
LESLIE DOUCETTE	38	AUDREY ETIENNE		KATHLEEN WALSH	33	JEAN SCHNORBUS	
E. LAURENSEN	35	M.KNOCHENHAUER		DIST. COLUMBIA	5:29.08	NO RELAY TEAMS	
		MAUDENE SCHULTZ		BARBARA HILL	34		
160-199		ZADA TAFT		SHEILA WALSH	23	280-319	
R:SAN DIEGO	93 4:40.73	PACIFIC NW AQUA	9:50.64	MARGARET MORRIS	35	R:SAN MATEO	92 8:16.37
MARILYN FINK		MARION MUELLER	81	KAREN BROWN	31	NANCY BARNES	
BETSY JORDAN		JANET KAVADAS	63	NEW ENGLAND	6:09.27	MAUDENE SCHULTZ	
DIANA DOLAN-EVANS		LEE HOLM	79	KATE GOODALE	37	ZADA TAFT	
BARBARA DUNBAR		MAXINE CARLSON	73	MARYALICE HAAS	31	AUDREY ETIENNE	
WEST HOLLYWOOD	5:19.51	*****		KAREN FORTOUL	33	WALNUT CREEK	8:20.01
JESSICA SEATON	41	RELAYS: WOMEN 400 M. MEDLEY		JODY MATTULKE	35	SALLY JOY	77
KATHY HIX	38	*****		SAN FRANCISCO	6:13.18	JAE HOWELL	71
JAN LEVINRAD	46	76 - 99		MARTA KREPS	34	ANN PISCIOTTA	63
PHRANC GOTTLIEB	36	R:EMPIRE STATE	91 5:07.60	SUZANNE FRANK	37	JEAN DURSTON	80
SAN FRANCISCO	6:07.80	DEANNA COLACITO		JESSIE HICKEL	35		
SELISSE BERRY	38	MONICA LEE		ANN DUNN	29	320-359	
MARTA KREPS	34	CHERYL KUPAN		EMPIRE STATE	6:15.24	R:SAN MATEO	94 10:51.45
NANCY LATTA	43	KRISTIN BROOKS		SUSAN MURRAY	38	AUDREY ETIENNE	
DIANA DUFF	50	HUMUNUKUAPUAA	5:47.72	SONJA HUBBERT	30	HILDA BUEL	
EMPIRE STATE	6:24.77	JULIA NEFCZYK	25	PATRICIA DEC	37	HELEN ROUMASSET	
LILLIAN FORMAN	58	LORNA MARTIN	27	MARCY YEISLEY	25	EDIE GOLDMAN	
CHORAL EDDIE	53	SHELLEY CARDEN	20	HEARTLAND	6:16.38	SAN MATEO	10:51.45
LISA SPRINGER	37	KIMBERLY HAXTON	24	LARA BIGLEY	26	AUDREY ETIENNE	78
LIZ CUNNINGHAM	37			REBECCA JACKMAN	31	HILDA BUEL	80
WILDCAT MASTERS	6:58.58	100-119		PATTY STARKS	34	HELEN ROUMASSET	79
MEG SMATH	38	R:RINCONADA	94 4:54.64	TRISH HUNTER	60	EDIE GOLDMAN	84
GAIL O'MALLEY	39	CHRIS KANAZAWA		LOUISVILLE Y	6:19.38	*****	
JANET SCHEELINE	44	TERRI BAXTER		GAYLEE GILLIM	40	RELAYS: WOMEN 800 M. FREE	
ANN CLAGGETT	44	JAMIE RAAB		MELANIE O'GRADY	39	*****	
		JULIE HEIBERGER		DANA FRANKS	21	76 - 99	
200-239		RINCONADA	4:54.64	SHAWN O'BANNON	34	R:SPACE COAST	87 10:55.74
R:RINCONADA	94 5:31.07	CHRIS KANAZAWA	27			LISA SIDOR	
CAROL MACPHERSON		TERRI BAXTER	30	160-199		CHERIE HUTMAN	
SUE KELLY		JAMIE RAAB	24	R:LOS ALTOS	93 5:00.90	SUE MATSCHNER	
RUTH PETERSON		JULIE HEIBERGER	28	AIMEE LEHR		ROBERTA MILANDER	
SUSAN SPRINGER		SAN DIEGO SWIM	5:02.58	SUSAN ROY		NO RELAY TEAMS	
RINCONADA	5:31.07	VICKY DAVIDSON	30	LAURA VAL			
CAROL MACPHERSON	56	KARLYN PIPES	32	CAROLYN BOAK		100-119	
SUE KELLY	46	JULIE SARKIN	27	WEST HOLLYWOOD	6:45.64	R:AIR FORCE	91 9:48.14
RUTH PETERSON	48	DEANNA EPPINGER	28	MARY CHURCH	43	KIMBERLY ARATA	
SUSAN SPRINGER	56	PACIFIC NW AQUA	5:30.67	JESSICA SEATON	41	KAREN BURTON	
SAN DIEGO SWIM	5:48.27	JENNIFER OGLE	26	JAN LEVINRAD	46	ANNA PLANTIER	
JEANNE LITTLE	57	JENNIFER BATES	26	KATHY HIX	38	JUDY HUPP	
LYNNE LUND	54	GAIL BRUNER	34	WILDCAT MASTERS	7:07.14	SAN DIEGO SWIM	10:04.63
PEGGY LEONG	50	ELLEN FORNEY	26	SHARON CRISSEY	41	LESLIE STOREY	23
BETSY JORDAN	57	CRESENT HILL	5:31.84	MEG SMATH	38	MARY ELLEN ANDERS	34
HEARTLAND	6:21.49	DONNA JOHNSON	27	GAIL O'MALLEY	39	SUZANNE SCHMITZ	30
CHARLOTTE COWAN	54	GINA MARIE GATTI	31	JEAN TURNER	45	PAULA ASHBAUGH	28
CAROL SING	53	MICHELLE WARD	25			GOLD COAST	10:17.30
MARILYN RAMEY	54	BRIDGET NASTASI	28	200-239		PATRICIA HOGAN	25
MARLEN VALDERHAUG	53	EMPIRE STATE	7:18.38	R:RINCONADA	94 5:56.23	MICHELE SPARLING	30
SPM	6:22.80	LORI PERINO	27	ANN KAY		ROBYN SCHLEGEL	29
ELAINE BROMWICH	51	MADELYN LIVOTE	35	JUDITH SCHWARTZ		KATHLEN SCHWARTZ	28
BARBARA ALLEN	61	LYNDA LAFUENTE	27	MARIANNE BREMS		DIST. COLUMBIA	11:06.03
SANDY STEER	55	MARIE MCKIERNAN	25	CAROL MACPHERSON		SHEILA WALSH	23
JACQUELYN PIPER	57			RINCONADA	5:56.23	JEAN PODRASKY	30
		120-159		ANN KAY	60	MARIANNE HAEGELI	32
240-279		R:EMPIRE STATE	92 4:53.87	JUDITH SCHWARTZ	40	BARBARA HILL	34
R:ST LOUIS	92 6:09.03	KAREN FARNSWORTH		MARIANNE BREMS	45	EMPIRE STATE	11:18.67
JEAN SCHNORBUS		ROBIN MOLESE		CAROL MACPHERSON	56	MARCY YEISLEY	25
CAROL TAYLOR		CHERYL KUPAN		SPM	6:51.89	CARRIE SACKETT	26
ARDETH MUELLER		COLLEEN DRISCOLL		BARBARA ALLEN	61	SONJA HUBBERT	30
CHERYL CORBETT		WEST HOLLYWOOD	4:54.01	JACQUELYN PIPER	57	PRUDENCE SOWERS	38
SAN DIEGO SWIM	6:56.58	ANDREA DEVUONO	32	ELAINE BROMWICH	51		
BOBBI TURCOTTE	67	KAREN MELICK	37	SANDY STEER	55	120-159	

TOP TEN SHORT COURSE METERS

MARTY HENDRICK	36	HAL PONDER	52	F. TILLOTSON	79	ANDREW GEISZLER	25
CARL MALER	34	ROBERT ABRAMSON	51	COLONIALS 1776	3:22.30	BRIAN ELLIS	26
SO CAL AQUATIC	1:50.15	RICK GORE	48	RICHARD TAYLOR	76	TOM GITTINS	32
CLAY EVANS	41	PARIS ISLAND	3:29.21	CLARENCE WEBB	71	GEORGIA MASTER	2:00.10
JOHN QUINN	44	PHIL NEUBIG	66	HOWARD BURNS	73	MIKE DOWHY	30
MARK SNYDER	35	SCOTT GRABER	49	NORMAN GARSOE	70	A. LASBROAS	24
ERIC MARVEL	45	PAUL KENT	46	IEM	3:41.15	ROBERT HERMANET	24
UNIV OF SAN FRA	1:50.84	WALLACE THOMAS	46	PAGE FREDRICKSON	66	BILL BURROWS	27
RICHARD GARRETT	40			SID ROSEN	73	WEST HOLLYWOOD	2:00.87
RICHARD ATONDO	44	240-279		JOHN MILTON	67	LUIS SALAZAR	27
RANDALL SCHILLER	45	R:BUCKEYE	94 1:58.22	C.J. HAMILTON	81	ROBERT FUENTES	30
DAVID AHLMAN	43	SID HALL				KURT MURDOCH	28
OREGON	1:50.96	YOSHI OYAKAWA		320-359		DAVID NEWMAN	29
GEORGE THAYER	58	THOMAS OLANDER		R:LONG BEACH	94 2:51.43	DIST. COLUMBIA	2:01.58
STEVE MANN	41	JOHN FLORANCE		WALTER PFIEFFER		MICHAEL PLETKE	29
MICHAEL TENNANT	40	BUCKEYE MASTERS	1:58.22	JOHN GLENN		BRUCE BORNFLETH	27
GREG WELCH	24	SID HALL	59	WOODROW BOWERSOCK		STAFFORD HEMMER	28
ORLM	1:51.43	JOHN FLORANCE	71	BOB CHRISTIANS		ROBERT WASILOWSKI	29
LARRY PECK	40	YOSHI OYAKAWA	61	LONG BEACH	2:51.43	SAN FRANCISCO	2:02.05
DAVID WESLEY	42	THOMAS OLANDER	52	WALTER PFIEFFER	81	TOM HENTHORNE	30
BOB LOMBARD	46	SAN DIEGO SWIM	2:16.90	JOHN GLENN	84	DAN BRASSIL	21
B. GREENWOOD	37	JOHN GOODE	61	WOODROW BOWERSOCK	81	CHRIS EHMKE	33
LONG BEACH SWIM	1:51.72	LLOYD SKRAMSTAD	60	BOB CHRISTIANS	79	DOUGLAS RUPP	28
MARK ELLIOT	41	WILLIAM PHILLIPS	66	*****			
MICHAEL HEATHER	40	JIM JONES	66	RELAYS: M E N 200 M. MEDLEY		120-159	
DAVE FRANK	50	O*H*I*O MASTERS	2:20.29	*****		R:BAYLOR/L STAR	94 1:45.01
DAVID ELDER	35	JIM CALDWELL	64	76 - 99		JAY YARID	
SAN FRANCISCO	1:55.80	JOHN DAILY	66	R:GIMSA	93 1:58.31	GREG RHODENBAUGH	
WAYNE ROGERS	35	STEVE HAMILTON	59	NOAH BIRMEIN		BOBBY PATTEN	
ROBERT BARRETT	39	PHIL WILLIAMSON	61	JASON TIMMONS		MOOK RHODENBAUGH	
JOHN DOPP	49	MICHIGAN	2:29.23	TODD TRAPPE		BAYLOR/LONE STA	1:45.01
BART MCDERMOTT	38	DONALD KROEGER	50	TAZ GREINER		JAY YARID	30
		DON KORTEN	67	EMPIRE STATE	2:00.87	GREG RHODENBAUGH	31
200-239		CHARLES MAAS	60	JAMES RUGGIERO	21	BOBBY PATTEN	31
R:SO CAL AQUATIC	94 1:47.41	RAY GILLILAND	71	ALEXANDER HALL	22	MOOK RHODENBAUGH	29
FRED HUBBELL		SPM	2:33.28	JOHN CHAPKO	27	EMPIRE STATE	1:55.87
FRANK PIEMME		C. KOHNKEN	63	STEPHEN LARKIN	24	THEODORE KRUCKEL	31
FRANS NELSON		ROBERT PATTON	72	CRAW	2:01.40	MATT CLARK	37
PETER O'KEEFFE		ABRASHA BRAININ	71	WILLIAM YOUNG	21	TODD COOPER	31
SO CAL AQUATICS	1:47.41	HAROLD FERRIS	63	NEIL HARPER	28	MARC SANDAU	36
PETER O'KEEFFE	44	EMPIRE STATE	2:50.19	JOHN BALHOFF	22	WEST HOLLYWOOD	1:56.25
FRED HUBBELL	42	THOMAS CRACOVIA	52	WADE RIDDICK	24	JIM RHYNE	28
FRANK PIEMME	69	JOHN HARBSTER	72			WAYNE JACKSON	37
FRANS NELSON	52	FRANK MOORMAN	77	100-119		BRUCE HATTON	37
SAN DIEGO SWIM	2:01.64	WILLIAM MATSON	39	R:ROSENBERG	88 1:52.59	RICHARD WIENECKE	36
R. MIKE FRESHLEY	53	BOLT	2:58.28	CLIFFORD SPENCER		SAN DIEGO SWIM	1:57.85
BILL EARLY	58	ELMER FROST	71	JOSEPH GREENWELL		TOM GRADY	30
J.STEPHEN MOSELEY	56	R RODRIGUE	60	JOHN ANDARY		LUKE SALERNO	27
SCOTT DAVIS	35	RICHARD DANIEL	68	MICHAEL DUSWALT		CHRIS DIXON	37
ST. LOUIS	2:08.40	ED STREETER	70	EMPIRE STATE	1:52.47NV	JAY GOLDSCHMIDT	28
WILLIAM CANNON	64			CLAY HOUSTON	27	LAKE LYTAL	2:00.77
ROSS MEINHOLD	41	280-319		V. MONTEMARANO	27	PEER SNOEP	29
ROBERT BLAKE	69	R:OREGON	90 2:13.84	TONY MEINDL	26	DOUGLAS LONG	50
ERIC FISHER	32	EARL WALTER		JOHN SPEER	24	NED BARNES	45
ORLM	2:13.65	FORBES MACK		PACIFIC NW AQUA	1:55.62	GORDON ANDREWS	34
C. WEATHERBEE	61	GERALD HUESTIS		ROBERT WELCHER	25	S CALIF AQUATIC	2:00.94
VICTOR SIRBU	57	ANDREW HOLDEN		KAMERON WELLS	31	BRIAN MURPHY	45
JACK BEATTIE	60	OREGON	2:21.48	PAUL SHERMAN	30	PETER MCCLAFFERTY	31
GEORGE MANN	56	ERIC GUEST	64	CRAIG MALLERY	32	JEFFREY HABER	31
HEARTLAND	2:16.30	GILBERT YOUNG	71	SOUTH CALIF AQUA	1:57.85	TODD MITCHELL	33
DOUGLAS SELBY	49	EARL WALTER	72	JERRY SHANDREW	28	DIST. COLUMBIA	2:01.09
DAVID SZUCH	51	ANDREW HOLDEN	74	MIKE FITZGERALD	29	SCOTT BRINITZER	31
RON WILLIAMSON	56	SO CAL AQUATICS	2:26.31	BRAM TESTER	25	LEONARDO ESPINOSA	33
GENE SAPPER	65	GEORGE BRINTON	70	KEITH KAPLAN	27	JOSE CUNNINGHAM	38
WIS MASTERS	2:17.47	JURGEN SCHMIDT	71	ORLM	1:58.04	MYLES KEARON	29
RICHARD THIEDE	53	LEE ARTH	69	W. MATTHEWS	28	MICHIGAN	2:01.68
DICK PITMAN	50	BOB MERRICK	74	F. CHARMFOROOSH	28	JAY ALT	35
JIM OLSON	52	ST LOUIS	2:35.26	C. BRANCA TO	23	ROGER MIDKIFF	38
JOHN BAILIFE	58	EDWARD ROSENHAUER	63	P. FISCHER	29	THOMAS TOPOLSKI	39
RALEIGH AREA	2:30.89	DONALD SERY	70	SAN DIEGO SWIM	1:58.67	STEVE SVANEY	37
DICK WEBBER	65	WILLIAM GRANT	81	ALAN VOISARD	34	ORANGE JUICE AQ	2:02.96
PAUL ROM	37	ROBERT BLAKE	69	GARY FORTUNE	27	GUNTHER ALLEN	38
MIKE STROUPE	57	HOLMES LUMBER	2:54.21	JOHN DOOLITTLE	25	NUGENT-ODASSO	24
ARNIE FORMO	67	RICHARD AVERY	71	JOHN O'BEIRNE	28	ERIC TAYLOR	27
DIST. COLUMBIA	2:56.24	TELFAIR MAHAFFY	58	FXCM-A	1:59.82	PATRICK STANTON	36
WILLIAM DONOVAN	50	DICK LYMAN	76	MARK SURETTE	30	DAVIS AQUATIC	2:03.15

TOP TEN

SHORT COURSE METERS

DOUG SMITH	32	MIKE KEENEY	40	JERRY SIEFERT	77	CURT BURICH	23
MICHAEL COLLINS	28	R. MIKE FRESHLEY	53	DON HUBBARD	67	JOHN CIGLER	34
ANDY MCPHERSON	47	ORLM	2:27.32	WILLIAM PHILLIPS	66	THOMAS CREECH	27
KEN HONG	24	C. WEATHERBEE	61	WIS MASTERS	2:58.63	EMPIRE STATE	3:44.66
160-199		RICK SCRAY	40	HENRY GRIESBACH	64	MARC WATREL	31
R:SWAM	91 1:55.51	C. ISELIN	51	JOHN BAUMAN	64	TODD COOPER	31
CHRIS MACCURDY		GEORGE MANN	56	THOMAS MICHELSON	63	JOHN SPEER	24
RIC NESBIT		RINCONADA	2:32.10	JOHN BAILLIFE	58	DON SUMADA	33
JERRY HEIDENREICH		CHRIS PRAEL	52	BOLT	3:29.41	CRAW	3:46.75
BRYAN AUSTIN		ALDO DA ROSA	76	RICHARD DANIEL	68	DEAN PRZYMUS	33
WEST HOLLYWOOD	1:54.91NV	FRED FARLEY	40	DICK BOWER	64	WADE RIDDICK	24
JAMES BALLARD	36	DICK BALL	49	R RODRIGUE	60	BRIAN ZIELINSKI	29
THOMAS REUDY	39	ORLM	2:33.87	ELMER FROST	71	NEIL HARPER	28
MICHAEL MEALIFFE	53	EDWARD DAWSON	45			GEORGIA MASTER	3:48.58
GARY QUINN	36	LARRY PECK	40	280-319		MIKE MCKEON	25
SO CAL AQUATICS	1:59.16	VICTOR SIRBU	57	R:OREGON	90 2:36.92	ROBERT HERMANET	24
FRANS NELSON	52	JACK PARNELLE	58	EARL WALTER		WILLIAM BOND	33
GREG SCHAFFER	24	HEARTLAND	2:35.81	FORBES MACK		A. LASBROAS	24
FRED HUBBELL	42	RON WILLIAMSON	56	ANDREW HOLDEN		LONG BEACH SWIM	3:50.18
JOHN QUINN	44	GENE SAPPER	65	GERALD HUESTIS		DOUG WAGNER	26
EMPIRE STATE	2:00.18	DAVID SZUCH	51	OREGON	2:48.78	TREY ATKINS	26
R. CREIGHTON	38	BRUCE MENZIES	45	EARL WALTER	72	BRUCE HOWELL	38
RONALD LUCE	38	ANDERSON	2:37.95	ERIC GUEST	64	BERT BERGEN	27
MICHAEL O'CONNOR	47	STEPHEN CRAWFORD	43	ANDREW HOLDEN	74	S CALIF AQUATIC	3:50.73
WILLIAM MATSON	39	MARK MADDEN	33	GILBERT YOUNG	71	BRAM TESTER	25
INDIANA	2:02.68	DARRELL WARTS	72	SO CAL AQUATICS	2:49.46	PETER MCLAFFERTY	31
DAVID SANTOS	35	JOHN THATCHER	56	GEORGE BRINTON	70	JERRY SHANDREW	28
TOM PERRIN	43	SAN FRANCISCO	2:48.51	JOHN STERN	70	JAMES CALHOUN	35
M.A CARTER SR	43	ALLEN SABOURIN	47	LEE ARTH	69	SAN DIEGO SWIM	3:52.87
ROGER JONES	46	GUY DECKER	48	BOB MERRICK	74	JOHN DOOLITTLE	25
GOLD COAST	2:02.70	JOHN DOPP	49	ST LOUIS	2:56.37	STEVEN ROSENTHAL	24
MARTY HENDRICK	36	VERNON SMITH	57	WILLIAM CANNON	64	LUKE SALERNO	27
BRYAN VOLPP	36	IEM	2:52.61	ART KELLEY	69	GARY FORTUNE	27
CARL MALER	34	JOHN MILTON	66	WILLIAM GRANT	81	VENICE MASTERS	3:54.94
MICHAEL DIVELY	55	DAVE DABOLL	57	ROBERT BLAKE	69	STEPHEN JOYCE	22
UNIV OF SAN FRA	2:05.90	MIKE LITTLE	38	COLONIALS 1776	3:20.52	ADAM GRUNER	26
DAVID AHLMAN	43	GARY DOMANSKI	51	FRANCIS YEAGER	66	TERENCE YOUNG	28
RICHARD ATONDO	44	RALEIGH AREA	3:20.77	NORMAN GARSOE	70	BRUCE STAHL	36
WESLEY TANIGAWA	40	MIKE STROUPE	57	CLARENCE WEBB	71	SAN FRANCISCO	3:57.79
JULIUS YOUNG	47	DICK WEBBER	65	HOWARD BURNS	73	ANDREW ZIVIC	24
HOLMES LUMBER	2:06.66	PAUL ROM	39	HOLMES LUMBER	3:21.76	DALE ZINK	31
BILL PILLMORE	46	ARNIE FORMO	67	RICHARD AVERY	71	ENRIQUE EROSA	29
DAVID GAULDIN	43			F. TILLOTSON	79	WAYNE ROGERS	35
MARK EBEL	46	240-279		TELFAIR MAHAFFY	58	UNIV OF SAN FRA	3:58.82
JACK MCKEAN	30	R:BUCKEYE	94 2:16.44	DICK LYMAN	76	JEFF PEARGIN	27
WEST HOLLYWOOD	2:08.53	YOSHI OYAKAWA				THORSTEN ANDERSON	27
SCOTT GENKINGER	35	THOMAS OLANDER		320-359		GARY MURAKAMI	30
JON BAUER	42	JOHN MEDICI		R:LONG BEACH	93 4:04.37	SCOTT ADAMS	29
PAULO FIGUEIREDO	48	JOHN FLORANCE		LIONEL PEREIRA			
MIKE MERE	36	BUCKEYE MASTERS	2:16.44	JOHN GLENN		120-159	
LAKESIDE MASTER	2:09.52	YOSHI OYAKAWA	61	WOODROW BOWERSOCK		R:EMPIRE STATE	94 3:37.41
WILLIAM TINGLEY	44	JOHN MEDICI	56	DON NEEFE		TONY MEINDL	
CHARLES CARTER	42	THOMAS OLANDER	52	NO RELAY TEAMS		CLAY HOUSTON	
CHRIS BURCKLE	37	JOHN FLORANCE	71	*****		MATT CLARK	
TED LEE III	37	SO CAL AQUATICS	2:28.29	RELAYS: M E N 400 M. FREE		BRUCE HAYES	
MICHIGAN	2:10.08	CLAY EVANS	41	*****		EMPIRE STATE	3:37.41
RICHARD TENHOOR	45	FRANK PIEMME	69	76 - 99		TONY MEINDL	26
MARK SCHROEDER	36	PARRY O'BRIEN	62	R:DAVIS	90 3:53.01	CLAY HOUSTON	27
KENNATH MANGE	41	JURGEN SCHMIDT	71	MIKE HUARD		MATT CLARK	37
DAVE MANGE	38	SAN DIEGO SWIM	2:28.67	VINCENT LANE		BRUCE HAYES	31
		JOHN GOODE	61	SCOTT ERBA		DIST. COLUMBIA	3:46.17
		LLOYD SKRAMSTAD	60	TODD BAILY		DAVID MICHAELS	30
200-239		J. STEPHEN MOSELEY	56	EMPIRE STATE	3:57.63	G. HEUCHLING	34
R:LOS ALTOS	89 2:02.44	JIM JONES	66	ROLF SJOGREN	31	STEPHEN SEGRETO	31
DICK THOMAS		ST LOUIS	2:44.48	JULIAN PEPLOE	25	STAFFORD HEMMER	28
THOMAS BOAK		JACK HUBER	72	ALEXANDER HALL	22	PACIFIC NW AQUA	3:46.23
ROBERT PROEBSTING		WILLIAM CANNON	64	JAMES RUGGIERO	21	PAUL SHERMAN	30
JOHN RICHARDS		ROSS MEINHOLD	41			TOM SEIFTS	28
LAKESIDE MASTER	2:17.31	ROBERT BLAKE	69	100-119		KAMERON WELLS	31
THOMAS FINNEGAN	48	MICHIGAN	2:53.47	R:FINS	94 3:44.16	CRAIG MALLERY	32
TONY AMBROSE	49	DONALD KROEGER	50	CURT BURSCH		SAN DIEGO SWIM	3:47.54
GLENN HUBBUCH	49	DON KORTEN	67	MICHAEL BRAY		JOHN O'BEIRNE	28
MARTY O'TOOLE	55	CHARLES MAAS	60	JOHN CIGLER		JAY GOLDSCHMIDT	28
SAN DIEGO SWIM	2:20.09	RAY GILLILAND	71	THOMAS CREEK		TOM GRADY	30
BILL EARLY	58	SAN DIEGO SWIM	2:56.35	FINS AQUATIC CL	3:44.16	ALAN VOISARD	34
PETER RIDDLE	56	KEN KIMBALL	64	MICHAEL BRAY	26	CHICAGO SMELTS	3:49.21

TOP TEN

SHORT COURSE METERS

SETH HOFF	31	SAN FRANCISCO	4:26.78	WILLIAM PHILLIPS	66	TODD COOPER	
MARTY SARUSSI	29	BART MCDERMOTT	38	JOHN GOODE	61	V MONTEMARANO	
MARK REEVES	31	KRISTIAN NERGAARD	46	KEN KIMBALL	64	EMPIRE STATE	4:04.98
THOMAS ERNSTING	34	JOHNNY BONCK	44	SAN DIEGO SWIM	5:48.78	BRUCE HAYES	31
CRAW	3:49.64	CHRIS EHMKE	33	DON HUBBARD	67	V. MONTEMARANO	27
ADAM WERTH	25	RINCONADA	4:33.68	LLOYD SKRAMSTAD	60	TODD COOPER	31
STEVE HECK	45	CHARLIE CASE	32	ROGER FREEMAN	48	TIMOTHY SHAW	26
WADE RIDDICK	25	KERRY FALLA	40	JERRY SIEFERT	77	GEORGIA MASTER	4:14.65
DEAN PRZYMUS	34	STEVE CALLENDER	52	RINCONADA	5:54.51	MIKE DOWHY	30
SAN DIEGO SWIM	3:59.50	BILL LORTON	52	ALDO DA ROSA	76	A. LASBROAS	24
MARK WUSSLER	38			CHRIS PRAEL	53	ROBERT HERMANET	24
DONALD SCHRAMM	30	200-239		DICK BALL	49	MIKE MCKEON	25
DANA THOMASON	29	R:SO CAL AQUATIC 94	4:25.14	DAR WHEELER	78	PACIFIC NW AQUA	4:14.71
FRANK MACIEJEWSKI	33	FRED HUBBELL				ROBERT WELCHER	25
RINCONADA	4:00.87	GEORGE BRINTON		280-319		KAMERON WELLS	31
BILL OLIVER	33	JOHN QUINN		R:OREGON	91 5:27.45	PAUL SHERMAN	30
FRED FARLEY	40	PETER O'KEEFFE		EARL WALTER		CRAIG MALLERY	32
JIM WANDERER	28	SO CAL AQUATICS	4:25.14	GIL YOUNG		WEST HOLLYWOOD	4:21.44
DAN ROGERS	24	FRED HUBBELL	42	ANDREW HOLDEN		JIM RHYNE	28
CRESENT HILL	4:01.01	GEORGE BRINTON	70	FORBES MACK		ROBERT FUENTES	30
JEFF HOGG	29	JOHN QUINN	44	ST LOUIS	6:09.62	KURT MURDOCH	28
DANA DELSIGNORE	25	PETER O'KEEFFE	44	EDWARD ROSENHAUER	63	DAVID NEWMAN	29
JIM GRUBBS	40	SAN DIEGO SWIM	4:29.88	DONALD SERY	70	DIST. COLUMBIA	4:21.62
E. BELL	41	R. MIKE FRESHLEY	53	WILLIAM GRANT	81	SCOTT BRINITZER	31
EMPIRE STATE	4:01.93	J. STEPHEN MOSELEY	56	ROBERT BLAKE	69	BRUCE BORNFLETH	27
MARK QUIGLEY	35	BILL EARLY	58	SPM	7:25.72	DAVID MICHAELS	30
BRAD COLE	36	MIKE KEENEY	40	FRED WABOLT	82	GLENN MLAKER	27
PAUL RODGERS	38	MICHIGAN	4:46.35	ROBERT ATWOOD	74	UNIV OF SAN FRA	4:28.89
CHARLES MOHACEY	37	DENNIS JAMES	56	KERMIT HOTVEDT	79	JEFF PEARGIN	27
		CHARLES MAAS	60	JOHN JOHNSTON	79	GARY MURAKAMI	30
		THOMAS HUNT	47			THORSTEN ANDERSON	27
160-199		DENNIS MCMANUS	47	320-359		SCOTT ADAMS	29
R:THE OLYMPIC CLB94	3:53.30	HUMUNUKUAPUAA	4:52.78	R:LONG BEACH	94 7:48.77	FINS AQUATIC CL	4:31.25
JAMES GRIFFITH		BRUCE CLARK	52	BOB CHRISTIANS		THOMAS CREECH	27
RICHARD BASSI		JAMES WIENCKE	53	DON NEEFE		ERIC SEARCH	27
STU CORLISS		JOSEPH NAGI	60	JOHN GLENN		TERRY ROSS	27
MIKE KECK		VERNON KNIGHT	60	WOODROW BOWERSOCK		JOHN CIGLER	34
THE OLYMPIC CLU	3:53.30	SO CAL AQUATICS	4:55.68	LONG BEACH	7:48.77	S CALIF AQUATIC	4:33.20
JIM GRIFFITH	41	LEE ARTH	69	BOB CHRISTIANS	79	JERRY SHANDREW	28
RICHARD BASSI	53	GUY LEWIS	51	DON NEEFE	86	TODD MITCHELL	33
STU CORLISS	38	ERIC MARVEL	45	JOHN GLENN	84	BRAM TESTER	25
MIKE KECK	35	JEFF STRNAD	42	WOODROW BOWERSOCK	81	R. MASTROBERTI	29
WEST HOLLYWOOD	4:01.33	ST. LOUIS	5:06.67	*****		SAN FRANCISCO	4:35.45
MARK CHATFIELD	40	WILLIAM CANNON	64	RELAYS: M E N 400 M. MEDLEY		ANDREW ZIVIC	24
MAURO BORDOVSKY	37	ROBERT BLAKE	69	*****		KEVIN WILLIAMS	24
MICHAEL MEALIFFE	53	ERIC FISHER	32	76 - 99		ENRIQUE EROSA	29
KURT SMITH	33	RICHARD HERMAN	47	R:EMPIRE STATE	94 4:22.50	DOUGLAS RUPP	28
GOLD COAST	4:02.84	HEARTLAND	5:10.99	TONY MEINDL		VENICE MASTERS	4:35.54
BRYAN VOLPP	36	BRUCE MENZIES	45	JACK MACKENROTH		STEPHEN JOYCE	22
MARTY HENDRICK	36	RON WILLIAMSON	56	JAMES RUGGIERO		TERENCE YOUNG	28
MICHAEL DIVELY	55	MICHAEL SAPPER	38	STEPHEN LARKIN		ADAM GRUNER	26
CARL MALER	34	GENE SAPPER	65	EMPIRE STATE	4:22.50	BRUCE STAHL	36
ORANGE JUICE AQ	4:15.45	SAN FRANCISCO	5:44.72	TONY MEINDL	26		
MICHAEL JARVIS	46	VERNON SMITH	57	JACK MACKENROTH	25	120-159	
STEVE MORRIS	34	NEIL HART	49	JAMES RUGGIERO	21	R:W HOLLYWOOD	94 4:07.66
CRAIG COFFIN	46	GUY DECKER	48	STEPHEN LARKIN	24	JAMES BALLARD	
JR. CALLAHAN	34	JOHN DOPP	49	CRAW	4:30.14	WAYNE JACKSON	
LONG BEACH SWIM	4:17.36	EMPIRE STATE	6:18.42	WILLIAM YOUNG	21	THOMAS REUDY	
MARK ELLIOT	41	JOHN HARBSTER	72	BRIAN ZIELINSKI	29	GARY QUINN	
MICHAEL HEATHER	40	EDWARD DUNNE	50	JOHN BALHOFF	22	WEST HOLLYWOOD	4:07.66
DAVE FRANK	50	RON BRAUER	51	WADE RIDDICK	24	JAMES BALLARD	36
ED SHAIMAN	45	DAVID MONIZ	37	FINS AQUATIC CL	4:33.91	WAYNE JACKSON	37
DIST. COLUMBIA	4:18.42	LAKESIDE MASTER	6:22.03	MICHAEL BRAY	26	GARY QUINN	36
JOSE CUNNINGHAM	38	ROBERT MILLER	59	ERIC LIEBERMAN	26	THOMAS REUDY	39
DOUG WILSON	43	MARTY O'TOOLE	55	CURT BURICH	23	CHICAGO SMELTS	4:14.98
JACK MARKEY	41	JOHN SIMMS	77	JOHN LARAWAY	24	GREGORY BARNELL	28
ROB BIGELOW	41	WILLIAM TINGLEY	44	MICHIGAN	4:55.22	THOMAS ERNSTING	34
UNIV OF SAN FRA	4:20.18			TONEY SALEZ	19	SETH HOFF	31
JULIUS YOUNG	47	240-279		ANDREW BURTON	21	MARTY SARUSSI	29
LOWELL TONG	37	R:SAN DIEGO	93 4:41.25	JIM FEE	19	EMPIRE STATE	4:16.07
RANDALL SCHILLER	45	BILL EARLEY		SHAWN KUCERA	24	THEODORE KRUCKEL	31
RICHARD GARRETT	40	KENNETH KIMBALL				MATT CLARK	37
EMPIRE STATE	4:24.04	WILLIAM PHILLIPS		100-119		ROLF SJOGREN	31
MITCHELL NETBURN	38	DON BAKER		R:EMPIRE STATE	94 4:04.98	R. CREIGHTON	38
TIMOTHY WHITESIDE	41	SAN DIEGO SWIM	5:01.06	BRUCE HAYES		SAN FRANCISCO	4:23.84
PATRICK GALLAGHER	41	JIM JONES	66	TIMOTHY SHAW		DALE ZINK	31
DANA EVANS	40						

TOP TEN

SHORT COURSE METERS

DAN BRASSIL	21	NEIL HART	49	KEVIN WILLIAMS	24	MATT CLARK	
CHRIS EHMKE	33	GUY DECKER	48	DOUGLAS RUPP	28	EMPIRE STATE	8:26.97
BART MCDERMOTT	38	LAURENCE FRY	33	DAN BRASSIL	21	THEODORE KRUCKEL	31
NEW ENGLAND	4:26.27	WAYNE ROGERS	35	CRAW	9:07.40	MARC SANDAU	36
EDWARD HUDNER	34	SAN FRANCISCO	6:03.45	WADE RIDDICK	24	DON SUMADA	33
CARLOS COLOM	31	ROBERT BARRETT	39	WILLIAM YOUNG	21	MATT CLARK	37
KEVIN COSTIN	29	F. LEE MOULTON	36	JOHN BALHOFF	22	WEST HOLLYWOOD	8:30.43
EDWARD STEBLEIN	35	JOHN DOPP	49	NEIL HARPER	28	GARY QUINN	36
EMPIRE STATE	4:29.28	KRISTIAN NERGAARD	46	EMPIRE STATE	9:08.00	SCOTT GENKINGER	35
ROB DAVIS	33			ALEXANDER HALL	22	BRUCE HATTON	37
CHRIS PACKARD	35	200-239		JAMES RUGGIERO	21	RICHARD WIENECKE	36
CHARLES MOHACEY	37	R:OREGON	94 4:39.79	JULIAN PEPLOE	25	CHICAGO SMELTS	8:45.40
DON SUMADA	33	ROBERT SMITH		JOHNNY MORA	27	GREGORY BARNELL	28
WEST HOLLYWOOD	4:30.63	ALLEN STARK				DAMON MACKERT	30
LUIS SALAZAR	27	BERT PETERSEN		100-119		CHRIS LAYTON	35
MATT KNIGHT	32	RICHARD BOYD		R:EMPIRE STATE	94 8:12.40	MARTY SARUSSI	29
KURT SMITH	33	OREGON	4:39.79	TONY MEINDL		SAN FRANCISCO	8:54.86
RICHARD HUNTER	45	ROBERT SMITH	51	KAI HINKUTY		ENRIQUE EROSA	29
SAN DIEGO SWIM	4:30.85	ALLEN STARK	45	TODD COOPER		WAYNE ROGERS	35
FRANK MACIEJEWSKI	33	BERT PETERSEN	55	BRUCE HAYES		BRIAN FITZGIBBONS	37
DANA THOMASON	29	RICHARD BOYD	50	EMPIRE STATE	8:12.40	BART MCDERMOTT	38
GEOFFREY FRY	34	CONNECTICUT	4:45.40	TONY MEINDL	26	NEW ENGLAND	8:56.94
KEN BAER	32	JACK GEOGHEGAN	52	KAI HINKATY	28	EDWARD HUDNER	34
SACRAMENTO	4:31.30	MIKE LAUX	53	TODD COOPER	31	KEVIN COSTIN	29
GLEN STEWART	29	JOSEPH COPLAN	48	BRUCE HAYES	31	CARLOS COLOM	31
ANDREW BRENNAN	33	BILL PHILLIPS	47	SAN DIEGO SWIM	8:23.13	JOHN NIXON	38
SCOTT REUSS	32	ST. LOUIS	5:48.80	JOHN DOOLITTLE	25	EMPIRE STATE	9:14.59
ANDREW EARLY	27	ERIC FISHER	32	GARY FORTUNE	27	ROB DAVIS	33
S CALIF AQUATIC	4:31.64	WILLIAM CANNON	64	JOHN O'BEIRNE	28	MARK QUIGLEY	35
JAMES CALHOUN	35	RICHARD HERMAN	47	ALAN VOISARD	34	ROLF SJOGREN	31
PETER MCCLAFFERTY	31	ROBERT BLAKE	69	GEORGIA MASTER	8:29.27	BUCK BROKER	38
JEFFREY HABER	31	MICHIGAN MASTER	6:01.86	WILLIAM BOND	33	SAN FRANCISCO	9:21.71
ROBERT LEE KING	32	THOMAS MOYER	46	MIKE MCKEON	25	DENNIS TROYER	35
		DONALD KROEGER	51	MIKE DOWHY	30	TATE VARELA	35
160-199		RAY GILLILAND	72	ROBERT HERMANET	24	DALE ZINK	31
R:OREGON	93 4:21.80	FRANK THOMPSON	42	S CALIF AQUATIC	8:33.44	CHRIS EHMKE	33
ROBERT SMITH		HEARTLAND	6:19.44	BRAM TESTER	25	S CALIF AQUATIC	9:24.60
ALLEN STARK		RON WILLIAMSON	56	JERRY SHANDREW	28	TODD MITCHELL	33
MATT ROTH		GENE SAPPER	65	M. ANGIOLETTI	26	JAMES CALHOUN	35
TOM COFFEY		DAVID SZUCH	51	PETER MCCLAFFERTY	31	ROBERT LEE KING	32
EMPIRE STATE	4:32.48	BRUCE MENZIES	45	WEST HOLLYWOOD	8:39.31	R. MASTROBERTI	29
CHARLES CARSON	40			DAVID NEWMAN	29	GEORGIA MASTER	9:25.49
RONALD LUCE	38	240-279		ROBERT FUENTES	30	DAVID ASHTON	37
MARC SANDAU	36	R:SAN MATEO	93 5:25.95	JIM RHYNE	28	BILL BURROWS	27
RICHARD MERRITT	47	RAY TAFT		PHILIP HAYMAN	32	SHELTON HAYNIE	33
UNIV OF SAN FRA	4:36.56	STANLY PANKO		FINS AQUATIC CL	8:44.14	EDDIE SCHAEFER	37
DAVID AHLMAN	43	BILL STEUART		THOMAS CREECH	27	MICHIGAN MASTER	9:26.91
RICHARD ATONDO	44	DICK PETERSON		MICHAEL BRAY	26	STUART MARVIN	30
RICHARD GARRETT	40	MICHIGAN	8:54.45	ERIC SEARCH	27	KEVIN GRENIER	27
DUKE DAHLIN	45	BOB DOUD	70	CURT BURICH	23	RICHARD DESMOND	33
GOLD COAST	4:37.40	DON KORTEN	67	PACIFIC NW AQUA	8:51.34	ROBERT KOPLAN	38
MARTY HENDRICK	36	TOM REIGEL	64	ROBERT WELCHER	25		
BRYAN VOLPP	36	DON MAY	73	PAUL SHERMAN	30	160-199	
CARL MALER	34			ANDREW ROTH	25	R:MINNESOTA	92 8:58.69
MICHAEL DIVELY	55	280-319		TOM SEIFTS	28	PETE WAGEE	
CRESENT HILL	4:47.33	R:OREGON	91 6:25.20	DIST. COLUMBIA	9:05.78	PAUL WINDRATH	
DAN BEHR	49	EARL WALTER		SCOTT BRINITZER	31	NATE LEIGH	
LAWRENCE HUNT	47	BOB MORRISON		LEONARDO ESPINOSA	33	JIM STEWART	
JIM GRUBBS	40	ANDREW HOLDEN		BRUCE BORNFLETH	27	SO CAL AQUATICS	9:01.28
E. BELL	41	FORBES MACK		MATHEW SNYDER	26	PARKS WESSON	33
DIST. COLUMBIA	4:54.44	ST LOUIS	6:55.22	WEST HOLLYWOOD	9:13.77	PETER O'KEEFFE	44
JACK MARKEY	41	WILLIAM CANNON	64	STEVEN WYLLIE	28	CLAY EVANS	41
JOSE CUNNINGHAM	38	ART KELLEY	69	JORGE ALATORRE	29	JOHN QUINN	44
DOUG WILSON	43	WILLIAM GRANT	81	MICHAEL STOKES	31	UNIV OF SAN FRA	9:03.05
BRUCE SCHOPP	44	ROBERT BLAKE	69	KURT MURDOCH	28	RICHARD GARRETT	40
WEST HOLLYWOOD	5:00.25	*****		VENICE MASTERS	9:20.65	RICHARD ATONDO	44
MAURO BORDOVSKY	37	RELAYS: M E N 800 M. FREE		BRUCE STAHL	36	DAVID AHLMAN	43
DAVID HAY	44	*****		ADAM GRUNER	26	DUKE DAHLIN	45
PAULO FIGUEIREDO	48	76 - 99		STEPHEN JOYCE	22	WEST HOLLYWOOD	9:04.13
ROBERT YOUNG	37	R:EMPIRE STATE	93 8:56.41	TERENCE YOUNG	28	JON BAUER	42
MICHIGAN	5:15.37	TONY MEINDL				MARK SPRATT	38
DONALD KROEGER	50	ALEXANDER HALL		120-159		THOMAS REUDY	39
THOMAS SCHARDT	27	JOHN SPEER		R:EMPIRE STATE	94 8:26.97	PAULO FIGUEIREDO	48
THOMAS MOYER	46	ROBERT VALENTIN		TED KRUCKEL		GOALD COAST	9:19.00
FRANK THOMPSON	42	SAN FRANCISCO	9:02.35	MARC SANDAU		BRYAN VOLPP	36
SAN FRANCISCO	5:33.10	ANDREW ZIVIC	24	DON SUMADA		CARL MALER	34

TOP TEN SHORT COURSE METERS

MICHAEL DIVELY	55	RINCONADA	11:14.15	JAY GOLDSCHMIDT	28	MAUREEN JONES	30
MARTY HENDRICK	36	ALDO DA ROSA	76	WEST HOLLYWOOD	1:55.35	THOMAS SMITH	33
EMPIRE STATE	9:26.70	AUGUST MOTMANS	67	STEVEN WYLLIE	28	HOLMES LUMBER	1:54.21
PATRICK GALLAGHER	41	JAMES SHAW	53	MARIANNE KELLY	31	BARTON COBB	40
RICHARD MERRITT	47	JOHN SELMER	49	AMY DANTZLER	29	M. SUTTON	26
DANA EVANS	40	ST LOUIS	12:57.63	JOHN PETER DOBSON	31	TASHA HANSEN	24
CHARLES CARSON	40	WILLIAM CANNON	64	IEM	1:55.98	ROY DEARY	32
LONG BEACH SWIM	9:54.15	ROBERT BLAKE	69	RICH SWOBODA	27	ARIZONA MASTERS	1:57.17
MARK ELLIOT	41	CARL PENZEL	60	TRACY HARANG	22	BRENDA MAJOR	30
DAVE FRANK	50	DONALD SERY	70	DAVID BARNES	38	JIM STITES	37
SCOTT NASH	32	SAN DIEGO SWIM	13:47.02	JANET POORMAN	29	RANE SMITH	30
ED SHAIMAN	45	DON HUBBARD	67	SAN FRANCISCO	1:56.51	JOSEPH LINEBARIER	27
HEARTLAND	9:57.03	JERRY SIEFERT	77	LAURA O'HEIR	31	PACIFIC NW AQUA	1:58.96
RANDALL EICKHOFF	29	LLOYD SKRAMSTAD	60	ANN DUNN	29	RICK PETERSON	42
DAVID SAPPER	40	JIM JONES	66	CHRIS EHMKE	33	GAIL BRUNER	34
DOUGLAS SELBY	49			DAN BRASSIL	21	TOM SEIFTS	28
BRUCE MENZIES	45	280-319		EMPIRE STATE	1:56.93	ELLEN FORNEY	26
WEST HOLLYWOOD	9:57.45	R:OREGON	93 13:40.53	KRISTIN KRAMER	33		
JOHN VINCENT	33	ANDREW HOLDEN		MARCY YEISLEY	25	160-199	
SCOTT CHARNEY	32	FORBES MACK		JULIAN PEPLOE	25	R:GREATER INDIANA89	1:50.55
JAY OLSON	44	EARL YOUNG		V. MONTEMARANO	27	BILL VICKERY	
MICHAEL MEALIFFE	53	GIL YOUNG		RALEIGH AREA	1:57.19	SHARON WISE	
DIST. COLUMBIA	10:11.73	NO RELAY TEAMS		DENNIS CORCORAN	34	SALLY HASBROOK	
KEN BEIER	44			LINDSAY NATA	20	BILL WOOD	
DOUG WILSON	43	320-359		SHARON BARRELL	33	EMPIRE STATE	1:59.90
BRUCE SCHOPP	44	R:LONG BEACH	93 17:58.81	ANDY FARRELL	24	EILEEN O'CONNOR	39
JACK MARKEY	41	DON NEEFE		FINS AQUATIC CL	1:58.08	GWEN DEELY	44
SAN FRANCISCO	10:44.08	BRION WINSHIP		ERIC SEARCH	27	MARK QUIGLEY	35
GUY DECKER	48	JOHN GLENN		MICHELLE WENDT	27	MICHAEL O'CONNOR	47
NEIL HART	49	WOODROW BOWERSOCK		ELIZABETH STORZ	30	ARIZONA MASTERS	2:01.31
RICHARD SINKOFF	37	NO RELAY TEAMS		JOHN CIGLER	34	BRUCE JOHNSON	43
LAURENCE FRY	33	*****		CHICO AQUATIC	2:01.57	ROBERT LIOTTA	43
		RELAYS: MIXED 200 M. FREE		MARY-CHRIS KAY	40	MARY LIOTTA	42
		*****		KIMBERLY THOMAS	20	BRENDA CRESWELL	32
200-239		76 - 99		GARY REESE	28	BSLM	2:02.28
R:CONNECTICUT	92 9:48.41	R:ANCIENT MARINR	93 1:51.87	GEORGE PEIRO	21	CRAIK DAVIS	43
RONALD MOLNAR		BRIAN CRILLY				JAN HINSON	40
DANIEL DAVIS		JILL RODDIN		120-159		LARRY SHANNON	61
MICHAEL LAUX		TRACY CRILLY		R:SAN DIEGO	94 1:46.27	JENNIFER BURNS	32
JACK GEOGHEGAN		JEFFREY RODDIN		VICKY DAVIDSON		LONG BEACH SWIM	2:04.94
LAKESIDE MASTER	10:22.39	ORLM	2:03.94	KARLYN PIPES		ED SHAIMAN	45
THOMAS FINNEGAN	48	C. BRANCATO	23	GARY FORTUNE		MARK ELLIOT	41
TONY AMBROSE	49	HEATHER PERRY	23	ALAN VOISARD		MIMI FRANK	47
GLENN HUBBUCH	49	D. SIRBU	20	SAN DIEGO SWIM	1:46.27	S.MUNATONES	30
MARTY O'TOOLE	55	W. MATTHEWS	28	VICKY DAVIDSON	30	ARIZONA MASTERS	2:07.62
HEARTLAND	10:40.00	HUMUNUKUAPUAA	2:13.71	KARLYN PIPES	32	DAVID GOLDNER	52
LEE MENCH	41	SHELLEY CARDEN	20	GARY FORTUNE	27	CAROLE FUNK	34
DAVE SZUCH	51	KIMBERLY HAXTON	24	ALAN VOISARD	34	HOP BAILEY	47
DOUG SELBY	49	RAFAEL MILANES	20	EMPIRE STATE	1:47.70	LISA SARTORI	29
RUDY SAPPER	61	VICTOR ZAYAS	25	MICHELE HUYETTE	26	SACRAMENTO	2:09.06
MICHIGAN MASTER	11:02.64	SAN DIEGO SWIM	2:14.96	CATHY REDSON	32	DAVID UGARKOVICH	46
FRANK THOMPSON	42	ROBERT GAETA	25	MATT CLARK	37	MAGGIE REDMON	38
CHARLES MAAS	60	LESLIE STOREY	23	TONY MEINDL	26	DAVID GRANGER	42
THOMAS MOYER	46	ERIC NEILSEN	28	HOLMES LUMBER	1:49.31	THERESA MUTH	36
DENNIS JAMES	56	ADRIENNE YEUNG	22	JACK MCKEAN	30	HEARTLAND	2:11.73
LAKESIDE MASTER	12:20.60			GINA AGUILAR	35	GEORGE DALL	39
CHARLES CARTER	42	100-119		C. WILLIAMS	33	MICHAEL SAPPER	38
WOODY TURRENTINE	46	R:LONG BEACH	94 1:47.81	KATHY STEELE	30	PATTY STARKS	34
RICHARD SCHEU	54	BERT BERGEN		ORLM	1:50.66	CAROL SING	53
ROBERT MILLER	59	DOUG WAGNER		DEBRA HANSON	31	SAN FRANCISCO	2:14.25
DIST. COLUMBIA	16:04.86	MAUREEN MENSZOZA		EILEEN HARTLE	33	SUZANNE FRANK	37
WILLIAM DONOVAN	50	KATHY STUPPY		M. SHEPARDSON	34	NANCY LATTA	43
HAL PONDER	52	LONG BEACH SWIM	1:47.81	L. MEISENHEIMER	37	KRISTIAN NERGAARD	46
RICK GORE	48	BERT BERGEN	27	WEST HOLLYWOOD	1:50.72	TATE VARELA	35
ROBERT ABRAMSON	51	DOUG WAGNER	26	KURT SMITH	33	SOUTH WEST AQUA	2:15.19
		MAUREEN MENDOZA	33	MORRI SPANG	37	CRISTI BELLOLI	34
240-279		KATHY STUPPY	24	ANDREA DEVUONO	32	FRED SHAW	48
R:SAN MATEO	93 10:57.81	ORLM	1:51.29	JAMES BALLARD	36	ILENE TUCKER	36
DICK PETERSON		VAN DER MOLEN	27	STRAWBERRY CANY	1:51.39	STEVEN SCHOFIELD	62
RAY TAFT		J. WILLIS	26	GRANATE SOSNOFF	31	RALEIGH AREA	2:15.93
STAN PANKO		F. CHARMFOROOSH	28	LINDA BUCHANAN	37	STEVE WEATHERMAN	38
BILL STEUART		P. FISCHER	29	JOHAN STEINER	29	DAVID DUGUEL	28
SAN DIEGO SWIM	11:06.05	SAN DIEGO SWIM	1:52.03	STEVEN CZEKALA	34	KRYSTI HAMLIN	41
KEN KIMBALL	64	MATHILDE BOUWMA	26	JAM	1:52.70	CEIL BLACKWELL	54
BILL EARLY	58	JULIE BENJAMIN	28	MERIT GREAVES	30		
WILLIAM PHILLIPS	66	LUKE SALERNO	27	KELLEY ALLEN	31	200-239	
J.STEPHEN MOSELEY	56						

TOP TEN SHORT COURSE METERS

R:LINCOLN	89	1:57.25	JIM JONES	66	ELMER FROST	71	BERT BERGEN	27
PAUL HUTINGER			OJAI/SANTA BARB	2:37.47	ED STREETER	70	MAUREEN MENDOZA	33
IRENE DAVID			JAN RAINS	60	MICHIGAN	3:30.59	KATHY STUPPY	24
COLLEEN MALMEN			JOHN BLECK	61	MERLYN EWBANK	74	DOUG WAGNER	26
RAY PADOVAN			MALCHIA OLSHAN	63	EDITH GLUSAC	75	EMPIRE STATE	2:06.32
SAN DIEGO SWIM	2:13.74		ROBERT MAY	60	DON MAY	73	JACK MACKENROTH	25
J.STEPHEN MOSELEY	56		MICHIGAN MASTER	2:37.55	DON KORTEN	67	TONY MEINDL	26
PEGGY LEONG	50		RAY GILLILAND	72	SPM	3:33.99	CATHY REDSON	32
BETSY JORDAN	57		CHARLES MAAS	60	F.CHICHANSKI	77	KRISTIN KRAMER	33
R. MIKE FRESHLEY	53		BEVERLY MYERS	59	KAY SCHIMPF	77	WEST HOLLYWOOD	2:08.01
LAKESIDE MASTER	2:22.93		FREDERICKA RAPP	50	KERMIT HOTVEDT	79	JIM RHYNE	28
THEODORE WATHEN	47		HEARTLAND	2:40.14	JOHN JOHNSTON	79	DAVID NEWMAN	29
WOODY TURRENTINE	46		DOUGLAS SELBY	49			LISA BOVE	33
JEAN HENDERSON	48		GENE SAPPER	65	320-359		AMY DANTZLER	29
MARY ANN STONE	61		JUDY TILARO	59	R:LONG BEACH	94 3:37.67	SAN DIEGO SWIM	2:08.06
PALMETTO	2:24.68		NANCY REED	67	WALTER PFEIFFER		MATHILDE BOUWMA	26
NICK BERENYI	62		ORLM	2:42.64	MADELEINE MILLER		LUKE SALERNO	27
MIRIAM VANNOY	36		ALYCE VOGEL	62	MAXINE MERLINO		JULIE BENJAMIN	28
KATIE MCNAMARA	38		E. BEATTIE	58	WOODROW BOWERSOCK		JAY GOLDSCHMIDT	28
JOSEPH KURTZMAN	68		C. WEATHERBEE	61	LONG BEACH	3:37.67	AT MCCLENBERG	2:09.35
SAN DIEGO SWIM	2:27.00		JACK BEATTIE	60	WALTER PFEIFFER	81	CHRISTINE HOLMAN	29
JOHN GOODE	61		BOLT	2:44.18	WOODROW BOWERSOCK	81	KEVIN DUGAN	28
ANN DALLAM	64		BARBARA BOWER	57	MADELEINE MILLER	84	JOHN ALLEN	29
DEANNA EPPINGER	28		R RODRIGUE	60	MAXINE MERLINO	82	MELINDA FINLEY	28
BILL EARLY	58		JACKIE GOTHARD	60	*****		DIST. COLUMBIA	2:10.00
HEARTLAND	2:28.82		DICK BOWER	64	RELAYS: MIXED 200 M. MEDLEY		BARBARA HILL	34
BRUCE MENZIES	45		HOLMES LUMBER	2:45.60	*****		SHEILA WALSH	23
DAVID SZUCH	51		P. NICKODEM	45	76 - 99		STAFFORD HEMMER	28
CHARLOTTE COWAN	54		TELFAIR MAHAFFY	58	R:ANCIENT MARINER93	2:03.76	G. HEUCHLING	34
MARILYN RAMEY	54		M. NEWMAN	70	JEFFREY RODDIN		PACIFIC NW AQUA	2:11.85
ORLM	2:29.21		JUNE REYNOLDS	72	BRIAN CRILLY		ROBERT WELCHER	25
PENNY POTTER	47		SPM	2:47.80	JILL RODDIN		JENNIFER BATES	26
ANGIE WILSON	46		C. KOHNKEN	63	TRACEY CRILLY		JENNIFER OGLE	26
GEORGE MANN	56		BARBARA ALLEN	61	SANTA CLARA	2:05.32	RICK PETERSON	42
C. ISELIN	51		MARGIE HUTINGER	54	JOANNE MILLARD	19		
HOLMES LUMBER	2:34.86		HAROLD FERRIS	63	B.LICHTENWALTER	28	120-159	
JEAN STERLING	57				MIKE MOORE	31	R:LAKESIDE	89 1:58.28
W. ABSTEIN	52		280-319		ANNE WATKINS	19	WILLIAM TINGLEY	
S. DINGFIELD	47		R:CONNECTICUT	88 2:38.80	EMPIRE STATE	2:08.92	GINA GATTI	
BILL RODENFELS	52		JERRY JARROLD		MARCY YEISLEY	25	MICHAEL HIGGS	
EMPIRE STATE	2:38.11		DOROTHY DONNELLY		ALEXANDER HALL	22	MELINDA SCHMITT	
HELEN LEMAY	53		RUTH BILLARD		MICHELE HUYETTE	26	LAKE LYTAL	2:01.62
LILLIAN FORMAN	58		GUS LANGNER		JAMES RUGGIERO	21	GORDON ANDREWS	34
RICHARD MERRITT	47		OREGON	2:41.20	CHABOT AQUATIC	2:25.88	GLORIA NEMET	30
C.A. HUTTON	44		GERALD HUESTIS	74	CHRIS HORVAT	22	PEER SNOEP	28
O*H*I*O MASTERS	2:38.14		PAULINE STANGEL	72	LAUREN RIDENOUR	19	KERRI ALTMAN	34
NANCY WAITE	60		EARL WALTER	73	ALISA O'NEAL	19	HOLMES LUMBER	2:06.63
DOUG BROGAN	62		PETEY SMITH	69	SHANNON TUCKER	22	JACK MCKEAN	30
MARIANNE BROGAN	59		OJAI/SANTA BARB	2:44.45	SAN DIEGO SWIM	2:31.95	BOB RUTH	41
JULIO APONTE	49		JOHN MELVILLE	74	ADRIENNE YEUNG	22	GINA AGUILAR	35
ES	2:46.12		GRACE ALTUS	70	ERIC NEILSEN	28	KATHY STEELE	30
BOB REIMERS	51		RUTH BAAR	71	LESLIE STOREY	23	WEST HOLLYWOOD	2:07.27
CECILE MANY	40		BOYD FORD	69	ROBERT GAETA	25	JAMES BALLARD	36
ROSEMARY KARIKER	75		SAN DIEGO SWIM	2:50.61			ROBERT FUENTES	30
GREG BAGBY	48		JERRY SIEFERT	77	100-119		PHRANC GOTTLIEB	36
			DIANA SILVA	72	R:CRAWFISH	94 1:59.33	MORRI SPANG	37
240-279			BOBBI TURCOTTE	67	NEIL HARPER		STRAWBERRY CANY	2:08.60
R:LOS ALTOS	92	2:12.98	DON HUBBARD	67	PAIGE HARPER		JOHAN STEINER	29
JOHN RICHARDS			SPM	2:58.47	BRIAN ZEILINSKI		LINDA BUCHANAN	37
JAY CRADDOCK			ROBERT PATTON	72	HEATHER HAGEMAN		STEVEN CZEKALA	34
DELLA SEHORN			DORIS MCEWAN	69	CRAW	1:59.33	GRANATE SOSNOFF	31
LAURA VAL			GLADYS OLSEN	68	NEIL HARPER	28	SACRAMENTO MAST	2:09.00
GOLD COAST	2:22.27		ABRASHA BRAININ	71	PAIGE HARPER	27	GLEN STEWART	29
ANNE MCGUIRE	60		HOLMES LUMBER	3:02.29	BRIAN ZIELINSKI	29	ANDREW BRENNAN	33
HERB KERN	62		RICHARD AVERY	71	HEATHER HAGEMAN	23	THERESA MUTH	36
WILLIAM DOLAN	65		FLORENCE CARR	69	SAN DIEGO SWIM	2:03.36	KERRY FREEMAN	31
MARGARET TIMMINS	64		GERTRUD ZINT	77	VICKY DAVIDSON	30	ORLM	2:09.53
SO CAL AQUATICS	2:24.67		DICK LYMAN	76	ALAN VOISARD	34	DEBRA HANSON	31
JURGEN SCHMIDT	71		LONG BEACH MAST	3:03.83	GARY FORTUNE	27	DAVID WESLEY	42
SYLVIA GLENN	56		BRION WINSHIP	76	JULIE SARKIN	27	P. FISCHER	29
BOB MERRICK	74		ROBERT SMITH	78	ORLM	2:04.48	EILEEN HARTLE	33
BONNIE ADAIR	42		MARGO BOUER	59	J. WILLIS	26	DIST. COLUMBIA	2:11.39
SAN DIEGO SWIM	2:28.19		MAURINE KORNFELD	73	F. CHARMFOROOSH	28	PETER GARRETT	33
LLOYD SKRAMSTAD	60		BOLT	3:29.19	C. BRANCATO	23	JOSE CUNNINGHAM	38
ADRIENNE PIPES	60		CLAIRE ROACH	67	VAN DER MOLEN	27	CAROL-ANN SMALLEY	37
LYNNE LUND	54		MARGARET BROU	72	LONG BEACH SWIM	2:04.66	MARIANNE HAEGELI	32

TOP TEN SHORT COURSE METERS

WEST HOLLYWOOD	2:13.89	WILLIAM MULLIKEN	SUSAN MUNN	55			
BRUCE HATTON	37	IRENE DAVID	JOYCE HAWORTH	57	320-359		
ERIN CHILDS	36	PAUL HUTINGER	EMORY HAWORTH	58	R:LONG BEACH 94 3:56.40		
GARY QUINN	36	SPM 2:29.38	STEVE CARLSON	75	MAXINE MERLINO		
KATHLEEN WALSH	33	PETER BETZER	52	ORLM 3:00.63	MADELEINE MILLER		
RINCONADA MASTE	2:13.99	JOANN HARRELSON	38	JACK BEATTIE	60		
CHRIS KANAZAWA	27	ANNE PAGE	46	ALYCE VOGEL	62		
DICK BALL	49	PAUL HUTINGER	69	E. BEATTIE	58		
JAMIE RAAB	24	RINCONADA 2:29.86	C. WEATHERBEE	61	WOODROW BOWERSOCK		
JIM WANDERER	28	FRED FARLEY	40	SPM 3:03.75	LONG BEACH 3:56.40		
SPM 2:14.38		JACK HALLIDAY	57	DORIS MCEWAN	69		
G. SALOMON	32	SUE KELLY	46	ABRASHA BRAININ	71		
LISA HUDAK	29	ANN KAY	60	HAROLD FERRIS	63		
W. SPECHT	36	SAN DIEGO SWIM 2:35.15	BARBARA ALLEN	61	*****		
JAYNE LAMBKE	55	BETSY JORDAN	57	OJAI/SANTA BARB 3:05.62	RELAYS: MIXED 400 M. FREE		
		PETER RIDDLE	56	GAY COLLINS	64	*****	
160-199		BILL EARLY	58	JOHN BLECK	61	76 - 99	
R:W HOLLYWOOD 94 2:01.59		PEGGY LEONG	50	MALCHIA OLSHAN	63	R:SANTA CLARA 94 4:08.78	
ANDREA DEVIUNO		HEARTLAND 2:44.81	ROBERT MAY	60	JOANNE MILLARD		
KAREN MELICK		DOUGLAS SELBY	49	HOLMES LUMBER	3:07.62	MIKE MOORE	
MICHAEL MEALIFFE		CAROL SING	53	M. NEWMAN	70	ANNE WATKINS	
THOMAS REUDY		DAVID SZUCH	51	DAVID GAULDIN	43	B.LICHTENWALTER	
WEST HOLLYWOOD 2:01.59		CHARLOTTE COWAN	54	TELFAR MAHAFFY	58	SANTA CLARA 4:08.78	
ANDREA DEVIUNO	32	O*H*I*O MASTERS 2:44.87	JUNE REYNOLDS	72	JOANNE MILLARD	19	
KAREN MELICK	37	JULIO APONTE	49	KNOXVILLE 3:22.20	MIKE MOORE	31	
MICHAEL MEALIFFE	53	DOUG BROGAN	62	JUANITA WILLARD	74	ANNE WATKINS	19
THOMAS REUDY	39	BETTY RUSS	67	H STOKER	64	B.LICHTENWALTER	28
EMPIRE STATE 2:10.67		MARIANNE BROGAN	59	WILLIAM LAUER	60	SANTA CLARA 4:25.23	
KAREN FARNSWORTH	38	HEARTLAND 2:47.12	WILLIAM LAUER	60	HILTON HEAD 3:25.73	E.THUNEN-FRENCH	19
RONALD LUCE	38	MARILYN RAMEY	53	D J MURRAY	64	FRED KOEHLER	35
CHARLES CARSON	40	GENE SAPPER	64	NANCY MCPHEE	61	LAURA VIALE	19
GWEN DEELY	44	STACY JOHNSON	31	KEN DAWSON	63	MARCO CAMPAGNE	23
LOS ALTOS 2:15.39		RON WILLIAMSON	55	JOE BONGIORNO	60	SOUTH WEST AQUA 4:28.81	
KRISTY KING	47	BOLT 2:50.49	BARBARA BOWER	57		ARAM NALBANDYAN	21
CAROLYN BOAK	49	HUGH FLEMING	44	280-319		TRISHA COMMONS	30
RANDY COX	32	VICKI BUCCINO	48	R:CONN 92 3:06.67		EUGENE ATANASIO	23
KEEFE LODWIG	51	DICK BOWER	64	NANCY PHILLIPS		TERESA FRIAS	22
ARIZONA MASTERS 2:15.61		ORLM 2:58.69	LYDIA THAMES	39	ROGER CHAMBERLAIN	CHABOT AQUATIC 4:45.13	
BRUCE JOHNSON	43	PENNY POTTER	47	RONNIE KAMPHAUSEN		CHERYL MILLER	32
MARY LIOTTA	42	GEORGE MANN	56	HARRY BARTLETT		CHRIS HORVAT	22
ROBERT LIOTTA	43	JACK PARNELLE	58	OREGON 3:08.35		LAURA RIDENOUR	19
BRENDA CRESWELL	32	HOLMES LUMBER 2:58.98	W. ABSTEIN	52	GERALD HUESTIS	74	
HOLMES LUMBER 2:19.27		JEAN STERLING	57	PAULINE STANGEL	72	100-119	
Laurie GRUBBS	42	BILL RODENFELS	52	EARL WALTER	73	R:EMPIRE STATE 94 4:02.30	
BILL PILLMORE	46	S. DINGFIELD	47	PETEE SMITH	69	MICHELE HUYETTE	
MARK EBEL	46	IEM 3:00.98	JAN SEVERTSON	56	SAN DIEGO SWIM 3:19.64	CATHY REDSON	
KATHRYN WINE	42	JAN SEVERTSON	56	DON HUBBARD	67	J ALAN SPEER	
LONG BEACH SWIM 2:20.25		DAVE DABOLL	58	BOBBI TURCOTTE	67	KAI HIRKATY	
ED SHAIMAN	45	CAROLYN KENT	49	HOLMES LUMBER 3:26.39		EMPIRE STATE 4:02.30	
MARK ELLIOT	41	BILL TRAVIS	46	RICHARD AVERY	71	MICHELE HUYETTE	26
MARK ELLIOT	41			GERTRUD ZINT	77	CATHY REDSON	32
MIMI FRANK	47	240-279		FLORENCE CARR	59	JOHN SPEER	24
THERESA BIXBY	36	R:LOS ALTOS 91 2:32.46		DICK LYMAN	76	KAI HINKATY	28
WEST HOLLYWOOD 2:20.84		DELLA SEHORN		LONG BEACH 3:30.38		WEST HOLLYWOOD 4:05.46	
MARK CHATFIELD	40	JOHN RICHARDS		MAURINE KORNFELD	72	ANDREA DEVIUNO	32
JESSICA SEATON	41	LAURA VAL		MARGO BOUER	59	KURT MURDOCH	28
ERROL GRAHAM	34	JAY CRADDOCK		WALTER PFEIFFER	81	AMY DANTZLER	29
KATHY CONTE	47	GOLD COAST 2:39.44		WOODROW BOWERSOCK	81	JIM RHYNE	28
PALMETTO 2:22.52		ANNE MCGUIRE	60	RALEIGH AREA 3:50.90		FINS AQUATIC CL 4:16.54	
JAN PESAVENTO	42	HERB KERN	62	BUZ CATLIN	80	MICHAEL BRAY	26
KATIE MCNAMARA	39	WILLIAM DOLAN	65	ARNIE FORMO	67	MICHELLE WENDT	27
CHARLES DUNAWAY	45	MARGARET TIMMINS	64	DICK WEBBER	65	ELIZABETH STORZ	30
DAVID PARLER	38	SO CAL AQUATICS 2:43.39		JUDY ANN KELLY	69	THOMAS CREECH	27
O*H*I*O MASTERS 2:24.40		SYLVIA GLENN	56	COLONIALS 1776 3:58.75		LA MESA MASTERS 4:20.08	
JOANNE BOWSER	40	BOB MERRICK	74	L.VAN REYMERSDAL	64	TRACY SEIDENVERG	24
TERRI SCHMELING	25	BONNIE ADAIR	42	J.VAN REYMERSDAL	66	LYNN KILLIAN	29
GORDON DE MEESTER	52	FRANK PIEMME	69	JANE DOUGHERTY	72	JOHN LAPP	26
DAN PER-LEE	51	SAN DIEGO SWIM 2:49.38		L.SCHERMERHORN	80	DARRILL ANDRIES	27
DIST. COLUMBIA 2:25.03		JOHN GOODE	61	BOLT 4:30.10		PACIFIC NW AQUA 4:24.04	
MARGARET MORRIS	35	ADRIENNE PIPES	60	ED STREETER	70	ROBERT WELCHER	25
JACK MARKEY	41	LYNNE LUND	54	MARGARET BROU	72	PAUL SHERMAN	30
DOUG WILSON	43	JIM JONES	66	CLAIRE ROACH	67	ELLEN FORNEY	26
CONSTANCE MECK	43	DAVIS AQUATIC 2:54.93		ELMER FROST	71	JENNIFER BATES	26
200-239						MICHIGAN MASTER 4:28.61	
R:LINCOLN 89 2:15.20						JENNIFER LAKINS	27
BETTY BENNETT						MARY DEBACKER	35

TOP TEN

SHORT COURSE METERS

STUART MARVIN	30	KERRY FALLA	40	JOHN BRICKER		CATHY REDSON	
KEVIN GRENIER	27	RACHEL GOLDEEN	27	CAROL MACPHERSON		MICHELE HUYETTE	
SANTA CLARA	4:34.61	CHRIS KANAZAWA	27	SUE KELLY		EMPIRE STATE	4:25.58
ANDY PLUEMER	37			RINCONADA	5:31.72	TONY MEINDL	26
CHELSEA KNAPP	24	160-199		ALDO DA ROSA	76	MATT CLARK	37
MICHELLE MCBRIDE	23	R:EMPIRE STATE	93 4:18.87	JOHN BRICKER	78	CATHY REDSON	32
DICK WESERDUNK	31	JON EINSIDLER		CAROL MACPHERSON	56	MICHELE HUYETTE	26
SAN DIEGO SWIM	4:42.60	KAREN FARNSWORTH		SUE KELLY	5	SACRAMENTO	4:44.37
ERIC NEILSEN	28	GWEN DEELY		DAVIS AQUATIC		GLEN STEWART	29
ROBERT GAETA	25	MATTHEW CLARK		EMORY HAWORTH	55	ANDREW BRENNAN	33
PAULA ASHBAUGH	28	LOS ALTOS	4:33.51	SUSAN MUNN	55	TERESA MUTH	36
LESLIE STOREY	23	KEEFE LODWIG	51	STEVE CARLSON	75	KERRY FREEMAN	31
HUMUNUKUAPUAA	4:43.61	CAROLYN BOAK	49	JOYCE HAWORTH	57	WEST HOLLYWOOD	4:46.17
DAVID BUCHER	29	KRISTY KING	45	LONG BEACH	6:55.69	JAMES BALLARD	36
JULIA NEFCZYK	25	DAVE SCHAECTER	41	MARGO BOUER	59	MATT KNIGHT	32
SHELLEY CARDEN	20	ARIZONA MASTERS	4:35.26	MAURINE KORNFELD	73	PHRANC GOTTLIEB	36
ROBERT WALKER	33	BRUCE JOHNSON	43	DON MCINTOSH	58	MORRI SPANG	37
ST LOUIS	5:00.91	ROBERT LIOTTA	43	EMILE ACHEE	67	STRAWBERRY CANY	4:51.53
ELIZABETH KELLY	35	MARY LIOTTA	42			PAUL CISKE	37
ELLEN DUBINSKY	34	BRENDA CRESWELL	32	280-319		JOHAN STEINER	29
ROLF RATHMANN	29	WEST HOLLYWOOD	4:51.81	R:SAN MATEO	89 6:26.07	KAREN OUELLETTE	33
JAMES GRINA JR.	21	PAULO FIGUEIREDO	48	AUDREY ETIENNE		MELANIE MOCIUN	41
		JESSICA SEATON	41	FRED TAIOLI		WEST HOLLYWOOD	4:51.89
120-159		BRUCE HATTON	37	HELEN ROUMASSET		JIM RHYNE	28
R:S CALIF AQ	89 4:05.98	KATHY HIX	38	RAY TAFT		ERIN CHILDS	36
MICHAEL HEATHER		SAN DIEGO SWIM	4:56.37	SO CAL AQUATICS	7:24.30	KURT SMITH	33
CLAY EVANS		RALPH ANDERS	43	KOTOKO KROESEN	70	KATHLEEN WALSH	33
DIANE GRANER		MARY ELLEN ANDERS	34	MARIE WALLACE	65	DIST. COLUMBIA	4:52.53
JOANNE BECK		ROGER FREEMAN	48	JURGEN SCHMIDT	71	MARIANNE HAEGELI	32
SO CAL AQUATICS	4:15.06	CATHY NEVILLE	37	BOB MERRICK	74	JOSE CUNNINGHAM	38
ALEX MIDAUGH	30	SAN FRANCISCO	5:23.47	*****		STAFFORD HEMMER	28
THOMAS KEATING	33	DIANA DUFF	50	RELAYS: MIXED 400 M. MEDLEY		CAROL-ANN SMALLEY	37
GREG SCHAFFER	24	NANCY LATTA	43	*****		ST LOUIS	5:30.44
DIANNA TATE	33	KRISTIAN MERGAARD	46	76 - 99		LAURA MCKEEVER	27
WEST HOLLYWOOD	4:15.70	ANDREW ZIVIC	24	R:CRAWFISH	94 4:52.99	CARL PENZEL	60
LISA BOVE	33	OREGON	5:49.69	WILLIAM YOUNG		SUSAN RICHMOND	33
JOHN PETER DOBSON	31	E. LAURENSEN	35	PAIGE HARPER		RANDALL ROTH	25
KATHLEEN WALSH	33	JILL SCHULDT	35	WADE RIDDICK		SAN DIEGO SWIM	5:31.31
GARY QUINN	36	JOSEPH CALLAN	51	HEATHER HAGEMAN		ANNETTE BERNIER	31
SACRAMENTO	4:16.18	FRED ECKHARDT	68	CRAW	4:52.99	NANCY KEMPER	36
GLEN STEWART	29	CONNECTICUT	6:12.79	WILLIAM YOUNG	21	DONALD SCHRAMM	30
THERESA MUTH	36	SAMMY CARR	61	PAIGE HARPER	27	BRIAN LEXMOND	29
SCOTT REUSS	32	SUSAN DENIS	45	WADE RIDDICK	24	FINS AQUATIC CL	5:34.58
KERRY FREEMAN	31	J. ARNALDO OSORIO	30	HEATHER HAGEMAN	23	JULIE SPANH	29
RINCONADA	4:16.32	CLIFF MORGAN	36			ROGER SHOCKEY	35
FRED FARLEY	40			100-119		R. LA FONTAINE	32
JUDITH SCHWARTZ	40	200-239		R:SAN DIEGO	93 4:29.74	ELIZABETH STORZ	30
JAMIE RAAB	24	R:SO CAL AQUATIC	94 4:27.29	ALAN VOISARD		SAN MATEO	5:36.80
JIM WANDERER	28	CLAY EVANS		LUKE SALERNO		SUSAN ANDERSON	34
STRAWBERRY CANY	4:17.89	BONNIE ADAIR		KARLYN PIPES		NITSA SWAIN	36
STEVEN CZEKALA	34	FRANK PIEMME		DIANE GLEASON		PETER SHOUWEILER	39
PAUL CISKE	37	DIANA TODD		WEST HOLLYWOOD	4:45.92	JIM KELLY	29
MARJORIE HEINRICH	33	SO CAL AQUATICS	4:27.29	KURT MURDOCH	28		
MELANIE MOCIUN	41	CLAY EVANS	41	DAVID NEWMAN	29	160-199	
DIST. COLUMBIA	4:22.57	BONNIE ADAIR	42	LISA BOVE	33	R:W HOLLYWOOD	94 4:35.15
BARBARA HILL	34	FRANK PIEMME	69	AMY DANTZLER	29	ANDREA DEVUONO	
CAROL-ANN SMALLEY	37	DIANA TODD	51	DIST. COLUMBIA	4:47.94	KAREN MELICK	
JOSE CUNNINGHAM	38	RINCONADA	5:24.92	SHEILA WALSH	23	MICHAEL MEALIFFE	
SCOTT BRINITZER	31	SUSAN SPRINGER	56	BRUCE BORNFLETH	27	THOMAS REUDY	
WEST HOLLYWOOD	4:22.69	AUGIE MOTMANS	67	DAVID MICHAELS	30	WEST HOLLYWOOD	4:35.15
ERIN CHILDS	36	RUTH PETERSON	48	BARBARA HILL	34	ANDREA DEVUONO	32
PHRANC GOTTLIEB	36	STEVE CALLENDER	52	MICHIGAN MASTER	4:59.96	KAREN MELICK	37
DAVID NEWMAN	29	O**I**O MASTERS	5:52.07	JENNIFER LAKINS	27	MICHAEL MEALIFFE	53
JAMES BALLARD	36	BETSY VOLOSHEN	47	KEVIN GRENIER	27	THOMAS REUDY	39
SAN FRANCISCO	4:30.43	DOUG BROGAN	62	STUART MARVIN	30	ARIZONA MASTERS	5:09.94
LAURA O'HEIR	31	MARIANNE BROGAN	59	LORI BESTERVELT	34	BRUCE JOHNSON	43
JESSIE HICKEL	35	JULIO APONTE	49	CHABOT AQUATIC	6:18.17	MARY LIOTTA	42
TOM HENTHORNE	30	MICHIGAN	5:59.30	MARLA PERLAS	35	ROBERT LIOTTA	43
CHRIS EHMKE	33	DONALD KROEGER	50	PHAT TIEU	21	BRENDA CRESWELL	32
MOUNTAIN VIEW	4:30.50	FREDERICKA RAPP	50	ALISA O'NEAL	19	WEST HOLLYWOOD	5:14.69
CHRIS CAMPBELL	33	THOMAS MOYER	46	MYLES JEFFERSON	42	MAURO BORDOVSKY	37
SUZANNE TOPP	27	MARY WILLIAMS	62			JESSICA SEATON	41
JULIE PAQUE	36			120-159		RICHARD WIENECKE	36
ERIC FORESTER	35	240-279		R:EMPIRE STATE	94 4:25.58	KATHY CONTE	47
RINCONADA	4:31.79	R:RINCONADA	94 5:31.72	TONY MEINDL		EMPIRE STATE	5:29.11
CHARLIE CASE	32	ALDO DA ROSA		MATT CLARK		GWEN DEELY	44

TOP TEN SHORT COURSE METERS

KAREN SAUVIGNE	46	LOIS NOCHMAN		STEVEN CZEKALA		DOUG WILSON	43
PAUL FORTOUL	36	EDITH GLUSAC		JOHAN STEINER		CONSTANCE MECK	43
MARK QUIGLEY	35	RAY GILLILAND		STRAWBERRY CANY	9:01.85	CAROL-ANN SMALLEY	37
SAN MATEO	5:31.68	MICHIGAN	7:28.57	MELANIE MOCIUN	41	WEST HOLLYWOOD	10:43.14
DON GALINE	48	CHARLES MOSS	66	LINDA BUCHANAN	37	PHRANC GOTTLIEB	36
DICK PETERSON	57	LOIS NOCHMAN	70	STEVEN CZEKALA	34	KATHY HIX	38
NANCY STERN	29	EDITH GLUSAC	75	JOHAN STEINER	29	MICHAEL MEALIFFE	53
DALE FINCH	44	RAY GILLILAND	71	SAN DIEGO SWIM	9:03.29	RICHARD WIENECKE	36
DIST. COLUMBIA	5:43.74			MATHILDE BOUWMA	26	GOLD COAST	11:39.39
MARGARET MORRIS	35	320-359		TOM GRADY	30	JOE HUTTO	43
JACK MARKEY	41	R:SAN MATEO	94 9:07.66	VICKY DAVIDSON	30	DON GRAFT	44
KEN BEIER	44	JOE KAUFMAN		DARRELL RUCKER	36	MERRELL WILLIAMS	45
CONSTANCE MECK	43	HELEN ROUMASSET		SAN DIEGO SWIM	9:30.75	KATHLEEN SCHWARTZ	28
OREGON	6:12.23	RAY TAFT		CHRIS DIXON	36	SAN FRANCISCO	11:59.85
JILL SCHULD	35	AUDREY ETIENNE		KARLYN PIPES	32	DIANA DUFF	50
JOSEPH CALLAN	51	SAN MATEO	9:07.66	CATHY NEVILLE	36	NANCY LATTA	43
FRED ECKHARDT	68	JOE KAUFMAN	89	ERIC NEILSEN	28	AUSTIN NEWSOM	31
E. LAURENSEN	35	HELEN ROUMASSET	79	LAKESIDE MASTER	9:31.90	BART MCDERMOTT	38
WEST HOLLYWOOD	6:13.83	RAY TAFT	75	PAM MARTIN	37	MICHIGAN MASTER	13:05.10
KATHY HIX	38	AUDREY ETIENNE	78	AMY POPE	34	LYNDEN KELLY	40
JAY OLSON	44	*****		JIMBO MARTIN	36	ERIC VAN DE VORT	47
ERROL GRAHAM	34	RELAYS: MIXED 800 M. FREE		CHRIS BURCKLE	37	SUE GERRITY	42
DIANE GABE	51	*****		WEST HOLLYWOOD	9:35.68	ROBERT LUNDY	43
SAN FRANCISCO	6:29.09	76 - 99		KATHLEEN WALSH	33	LA MESA MASTERS	13:17.93
NANCY LATTA	43	R:DAVIS AQUATIC	92 9:17.27	LISA BOVE	33	M'LISS HENSHAW	39
DIANA DUFF	50	BRIAN TIMMERMAN		GARY QUINN	36	MARIA O'CONNELL	47
KRISTIAN NERGAARD	46	SCOTT SHEA		BRUCE HATTON	37	BERNARD SPRIGGS	41
RICHARD SINKOFF	37	CHRISTINE WINN		SAN DIEGO SWIM	9:42.47	STEVE CLAY	41
SAN MATEO	6:53.29	CHRISSE CHICHE		NANCY KEMPER	36		
NANCY BARNES	65	CHABOT AQUATIC	12:24.86	ANNETTE BERNIER	31	200-239	
PHIL CUSSEN	40	PHAT TIEU	21	FRANK MACIEJEWSKI	33	R:SAN DIEGO	89 10:40.03
PAUL CARRICK	51	TY WILLENSON	35	DANA THOMASON	29	WILLIAM EARLEY	
PATRICIA TWETEN	32	ALISA O'NEAL	19	DIST. COLUMBIA	9:59.06	WILLIAM PHILLIPS	
		PENNY WHITWORTH	22	MARGARET MORRIS	35	BETSY JORDAN	
200-239				MARIANNE HAEGELI	32	BARBARA DUNBAR	
R:SAN DIEGO	91 5:13.60	100-119		PETER GARRETT	33	O*H*I*O MASTERS	13:08.18
BETSY JORDAN		R:HEARTLAND	93 9:00.09	G. HEUCHLING	34	DIANE ROTHENBERG	41
PETER RIDDLE		JEFF REILLY		LOUISVILLE Y	10:22.94	DOUG BROGAN	62
BARBARA DUNBAR		VICKY DAVIDSON		DENNIS DIXON	27	MARIANNE BROGAN	59
BILL EARLY		HEATHER WOLFENDEN		LARRY STRANGE	40	JULIO APONTE	49
OREGON	5:14.39	RANDALL EICKHOFF		JEFF MATTHIAS	45	GOLD COAST	13:10.76
ROBERT SMITH	51	WEST HOLLYWOOD	9:12.78	RANDALL SCHERER	33	MARGARET TIMMINS	64
GINGER PIERSON	48	ANDREA DEVUONO	32	SAN FRANCISCO	10:25.55	CARL HOUSE	55
STEVE JOHNSON	45	DAVID NEWMAN	29	JESSIE HICKEL	35	BEVERLEY TUCKER	55
PETEY SMITH	69	AMY DANTZLER	29	DENNIS TROYER	35	BRIAN KEENEY	45
HEARTLAND	6:50.35	JIM RHYNE	28	ANN DUNN	29	MICHIGAN	15:00.25
DOUGLAS SELBY	49	EMPIRE STATE	9:23.43	BRIAN FITZGIBBONS	37	MARY WILLIAMS	62
ELFRIEDE LEHTO	61	MARIE-H. CHARLAP	33	GOLD COAST	10:54.71	DONALD KROEGER	51
GEORGE DALL	39	KAI HINKATY	28	RON WIENDL	37	FREDERICKA RAPP	50
NANCY REED	67	MARCY YEISLEY	25	BOB DAVIDSON	51	RAY GILLILAND	72
		MARC WATREL	31	ROBYN SCHLEGEL	29		
240-279		DIST. COLUMBIA	9:33.04	PATRICIA HOGAN	25	240-279	
R:ST LOUIS	92 5:59.74	DAVID MICHAELS	30			R:RINCONADA	94 11:52.89
ED ROSENHAUER		DAVID CORAY	31	160-199		CAROL MACPHERSON	
CAROL TAYLOR		SHEILA WALSH	23	R:EMPIRE STATE	93 9:24.44	SUSAN SPRINGER	
ARDETH MUELLER		BARBARA HILL	34	JON EINSIDLER		ALDO DA ROSA	
ROBERT BLAKE		MICHIGAN MASTER	9:51.69	KAREN FARNSWORTH		JAMES SHAW	
RINCONADA	6:06.70	STUART MARVIN	30	MATTHEW CLARK		RINCONADA	11:52.89
ANN KAY	60	KEVIN GRENIER	27	GWEN DEELY		CAROL MACPHERSON	56
AUGUST MOTMANS	67	JENNIFER LAKINS	27	EMPIRE STATE	9:29.46	SUSAN SPRINGER	56
JAMES SHAW	53	LORI BESTERVELT	34	KAREN FARNSWORTH	38	ALDO DA ROSA	76
BARBARA CALLISON	61	LAKESIDE MASTER	10:37.90	GWEN DEELY	44	JAMES SHAW	53
SAN DIEGO SWIM	6:38.41	MIKE O'TOOLE	20	RICHARD MERRITT	47	SO CAL AQUATICS	12:13.15
BETSY JORDAN	57	TED LEE III	37	MATT CLARK	37	LEE ARTH	69
LLOYD SKRAMSTAD	60	JULIE BIRNBAUM	29	LAKESIDE MASTER	10:23.20	SYLVIA GLENN	56
JIM JONES	66	PAMELA HAEBERLIN	31	MARY CHRIS CURL	37	BOB MERRICK	74
ADRIENNE PIPES	60	VENICE MASTERS	11:07.72	DEBBIE UTZ	41	BONNIE ADAIR	42
SAN DIEGO SWIM	6:55.90	SEAN HACKNEY	26	WILLIAM TINGLEY	44	OJAI/SANTA BARB	13:32.13
DIANA SILVA	72	CAROLE SHIGAKI	39	THEODORE WATHEN	47	GAY COLLINS	64
SCOTT DAVIS	35	PATRICA DELGADO	26	WEST HOLLYWOOD	10:36.63	MALCHIA OLSHAN	63
WILLIAM PHILLIPS	66	ANTONIO SALCEDO	24	JESSICA SEATON	41	JOHN BLECK	61
BOBBI TURCOTTE	67			JAN LEVINRAD	46	JEFF FARRELL	57
				PHILIP HAYMAN	32		
280-319		120-159		PAULO FIGUEIREDO	48	280-319	
R:MICHIGAN	94 7:28.57	R:STRAWBERRY	94 9:01.85	DIST. COLUMBIA	10:38.80	R:OJAI VALLEY	94 14:35.74
CHARLES MOSS		MELANIE MOCIUN		JOSE CUNNINGHAM	38	RUTH BAAR	
		LINDA BUCHANAN					

TOP TEN SHORT COURSE METERS

GRACE ALTUS	
JOHN MELVILLE	
BOYD FORD	
OJAI/SANTA BARB	14:35.74
RUTH BAAR	71
GRACE ALTUS	70
JOHN MELVILLE	74
BOYD FORD	69

320-359

R:SAN MATEO	94 17:11.69
JOE KAUFMAN	
HELEN ROUMASSET	
RAY TAFT	
AUDREY ETIENNE	
SAN MATEO	17:11.69
JOE KAUFMAN	89
HELEN ROUMASSET	79
RAY TAFT	75
AUDREY ETIENNE	78

USMS TOP TEN

With Short Course Meters 1994, we enter our fourth year of Top Ten Subscriptions. This issue includes times performed Jan 1-Dec 31, 1994. Thanks for checking your label, and renewing promptly.

The U.S.M.S. Top Tens and National records are recorded under U.S.M.S. rules that a swimmer's age is as of the last day of the meet. This rule applies as well to Short and Long Course Meters. All competitions held in the United States, including our Long Course/Meters National Championships, will follow USMS Rules.

In 1995, **World Records** will be compiled under "FINA Age" (age on Dec. 31st is the swimmer's competitive age throughout the year). If a swimmer breaks a World Record under the "FINA age" it is **that swimmer's responsibility** to see that a World Record application is completed and forwarded to Walt Reid.

Your Top Ten Crew - Walt Reid, Betsy Durrant, Dorothy Donnelly and Gene Donner.

Published April 1995



**United States
Masters
Swimming**
211 - 66th Street
Virginia Beach, VA 23451

UNITED STATES MASTERS SWIMMING PUBLICATIONS

	QTY	TOTAL
1995 Rulebook.....	\$7.00	_____
Places to Swim/USA & Int'l.....	\$6.00	_____
Starting A Club: A to Z.....	\$5.00	_____
Cable Swim Guide (26 pages).....	\$5.00	_____
USMS Decals.....	4/\$1.00	_____

National Top Ten Times, National Records & World Records

SCY, LCM, and SCM.....	3 issues/\$12.00	_____	_____
2 Year subscription.....	6 issues/\$24.00	_____	_____
_____Renewal	_____New		
Single Issue.....	\$6.00		
<i>Back Issues Available</i>			
Short Course Yards (Sept. '94)		_____	_____
Long Course Meters (Dec. '94)		_____	_____
Short Course Meters (Apr. '94)		_____	_____

Canadian orders add \$1 per item, (\$3.00 per Top Ten Subscription)

Overseas orders add \$3.00

Check Payable to USMS

(Amount of Enclosed Check _____)

Send to: USMS National Office
2 Peter Avenue
Rutland, MA 01543

Name

Address

City, State, Zip

FIRST-CLASS
MAIL
US POSTAGE
PAID
HAMBURG, NY
Permit No. 356