

\$7.00

*United States  
Masters Swimming, Inc.*

**1995/1996  
Top Ten  
Short Course Yards**

and  
**World Records**

as of May 1, 1996

**Short Course Meters  
Long Course Meters**



Published September 1996



# TOP TEN - SHORT COURSE YARDS

1995-96 USMS TOP 10 SHORT COURSE YARDS

50 YD. FREE WOMEN 19-24	28.50 KATHLEEN HARTNETT 24	28.24 KRISTINA HARTUNG 24	24.97 NATALIE HITE 29
23.97 SUDI MILLER 91	28.70 CRISTY RYERSON 23	28.37 L MEADE 23	25.04 LISA SUMMERS 25
24.39 SHARON SCOTT 24	28.73 JERI RAMSBOTTOM 24	28.37 JERI RAMSBOTTOM 24	25.39 TINA SANDLIN 28
24.71 YV ROBLING-HOLDEN 24	29.08 SHARON SCOTT 24	28.44 KRISTEN ZUKOWSKI 24	25.43 SUSIE DEVLIN 29
24.85 LIZ REHRMANN 19	29.49 MARCIANN BODNER 23	28.50 CHRISTIE WOODRUFF 24	100 YD. FREE WOMEN 25-29
25.18 KATHLEEN HARTNETT 24	29.77 ALISON ECKENROAD 19	28.52 JENNIFER BARRERA 23	51.07 SARA SHAND 93
25.24 LISA RHODES 23	29.82 TATE BIRNIE 21	100 YD. FLY WOMEN 19-24	53.82 LISA SUMMERS 25
25.32 AMITY HALL 24	29.82 JENNY SADLER 24	57.39 SUDI MILLER 91	53.90 NATALIE HITE 29
25.41 STACY FINGALSON 23	30.08 JESSICA HANCHER 21	59.28 BONNIE FRYER 24	54.04 E.MACDONALD 29
25.52 HILARY PLUMMER 21	100 YD. BACK WOMEN 19-24	59.40 CINDY UNRUH 24	54.23 MICHELLE DAVID 25
25.58 SIONAINN MARCOUX 24	57.96 DEBBIE RISEN 90	59.63 AMITY HALL 24	54.62 LOUISE KEOGH 27
25.68 L MEADE 23	1:00.87 CRISTY RYERSON 23	1:01.55 LISA RHODES 23	55.30 TINA SANDLIN 28
100 YD. FREE WOMEN 19-24	1:01.81 KATHLEEN HARTNETT 24	1:01.98 KANA SHIBUYA 24	55.47 ANDREA BARDIN 27
52.08 SUDI MILLER 91	1:01.84 JERI RAMSBOTTOM 24	1:02.15 KRISTEN ZUKOWSKI 24	55.48 ROSIE SHEPARD 26
53.23 CINDY UNRUH 24	1:02.80 TATE BIRNIE 21	1:02.70 TERRY WENZINGER 23	55.76 DEBBIE LYNCH 27
53.56 SHARON SCOTT 24	1:02.83 CINDY UNRUH 24	1:03.15 MARY KELSEY 24	55.90 LIZ SEYMOUR 28
53.65 LIZ REHRMANN 19	1:02.91 LAURA BORGELT 23	1:03.28 ANNE OBERG 24	200 YD. FREE WOMEN 25-29
53.86 HILARY PLUMMER 21	1:03.26 MARCIANN BODNER 23	1:03.29 JENNY FAUBION 24	1:51.53 SARA SHAND 93
53.95 LISA SUMMERS 24	1:05.27 STEPHANIE WARFEL 23	200 YD. FLY WOMEN 19-24	1:56.62 LAUREL HILL 27
54.53 JENNY SADLER 24	1:05.65 TERRY WENZINGER 23	2:10.57 BONNIE FRYER 96	1:56.92 LISA SUMMERS 25
54.54 KATHLEEN HARTNETT 24	1:05.70 JESSICA HANCHER 21	2:10.57 BONNIE FRYER 24	1:58.36 ALISON ZAMANIAN 26
54.87 JERI RAMSBOTTOM 24	200 YD. BACK WOMEN 19-24	2:16.54 JENNIFER BISSELL 24	1:58.92 NATALIE HITE 29
54.88 KRISTINA HARTUNG 24	2:06.90 SUSIE BURT 93	2:24.20 MARY RYAN 24	2:00.03 JENNIFER RIDGE 27
55.14 SIONAINN MARCOUX 23	2:11.80 TATE BIRNIE 21	2:24.62 LISA RHODES 23	2:00.44 LORETTA SOFFE 29
200 YD. FREE WOMEN 19-24	2:14.45 ALISON ECKENROAD 19	2:25.60 H.CHRISTENSEN 24	2:00.62 NANCY NORTH 27
1:54.22 DIANE GRANER 89	2:14.92 KATHLEEN HARTNETT 24	2:26.64 KATE CONKLIN 21	2:00.86 TIFFANY FORBES 29
1:59.07 SIONAINN MARCOUX 23	2:15.20 S. HUTCHERN 24	2:27.32 CANDACE CHAM 23	2:02.27 S BARTHOLOMEW 26
1:59.19 M.HOLMQUIST 24	2:16.74 MARCIANN BODNER 23	2:30.25 KARA KELLY 19	2:02.66 MICHELLE HIGGERI 27
1:59.81 BONNIE FRYER 23	2:19.18 LAURA BORGELT 23	2:31.03 CHRISTINE SCHULTZ 24	500 YD. FREE WOMEN 25-29
2:00.77 LISA RHODES 23	2:20.05 JEAN KENYON 23	2:31.16 E.SANTANGELO 23	4:49.88 SHEILA TAORMINA 96
2:01.49 JENNIFER KENYON 23	2:20.27 JERI RAMSBOTTOM 24	100 YD. I.M. WOMEN 19-24	4:49.88 SHIELA TAORMINA 26
2:01.55 YV ROBLING-HOLDEN 24	2:22.69 SARAH HOWERTON 24	59.21 SUDI MILLER 91	5:13.40 ALISON ZAMANIAN 26
2:03.65 JENNY FAUBION 24	2:22.69 JENNIFER SEE 23	1:01.34 SHARON SCOTT 24	5:23.74 NANCY NORTH 27
2:04.06 SUSAN STRONG 24	50 YD. BRST WOMEN 19-24	1:01.66 LIZ REHRMANN 19	5:23.79 REBECCA FENSON 28
2:04.60 TATE BIRNIE 21	30.25 SUSIE MORTENSON 93	1:02.17 BONNIE FRYER 23	5:26.31 DONNA JOHNSON 28
2:05.02 KRISTEN ZUKOWSKI 24	31.42 L MEADE 23	1:02.22 LISA SUMMERS 24	5:27.75 JENNIFER RIDGE 27
500 YD. FREE WOMEN 19-24	32.32 SHARON SCOTT 24	1:02.29 KATHLEEN HARTNETT 24	5:30.87 SUSIE DEVLIN 29
4:56.93 EVA MORTENSEN 94	32.74 ELAINE WEIGAND 24	1:02.71 JERI RAMSBOTTOM 24	5:30.92 SUSAN LUCAS 25
5:16.69 M.HOLMQUIST 24	33.05 BONNIE FRYER 23	1:04.12 MARCIANN BODNER 23	5:31.74 BROOKE BOWMAN 29
5:17.27 BONNIE FRYER 24	33.23 T.GARRETT-ORNESS 23	1:04.15 STACY FINGALSON 23	5:31.77 TIFFANY FORBES 29
5:20.28 SIONAINN MARCOUX 23	33.46 KELLY MCGREW 24	1:04.39 KRISTEN ZUKOWSKI 24	1000 YD. FREE WOMEN 25-29
5:24.74 LISA RHODES 23	33.47 KAREN TEITSWORTH 23	1:04.67 K ANDERSSEN 24	10:12.34 LISA HAZEN 94
5:28.67 SUSAN STRONG 24	33.57 AMY SCHWARZ 20	200 YD. I.M. WOMEN 19-24	10:37.72 ALISON ZAMANIAN 25
5:30.14 JENNIFER KENYON 23	33.73 LEANNE FARMER 23	2:08.74 SUDI MILLER 91	10:59.66 DONNA JOHNSON 28
5:31.29 CRISTY RYERSON 23	33.95 JENNY VALET 24	2:10.96 BONNIE FRYER 24	11:21.01 JENNIFER RIDGE 27
5:32.87 KATRINA POPLAWSKI 23	100 YD. BRST WOMEN 19-24	2:13.93 LISA SUMMERS 24	11:21.56 BROOKE BOWMAN 29
5:33.67 ELAINE WEIGAND 24	1:06.74 SUSIE MORTENSON 93	2:15.39 CINDY UNRUH 24	11:25.85 TIFFANY FORBES 29
5:36.81 JENNY FAUBION 24	1:08.12 L MEADE 23	2:17.55 K ANDERSSEN 24	11:30.95 DEBORAH REED 26
1000 YD. FREE WOMEN 19-24	1:10.75 ELAINE WEIGAND 24	2:18.42 ELAINE WEIGAND 24	11:41.25 LAURA ANTONIETTA 25
10:33.71 ALISON ZAMANIAN 94	1:11.03 SHARON SCOTT 24	2:18.46 JENNIFER KENYON 23	11:48.26 KRISTEN TURNER 26
10:46.70 BONNIE FRYER 24	1:11.22 BETHANN SCHWARZ 20	2:18.87 TATE BIRNIE 21	11:53.52 VALERIE NELLEN 25
10:57.88 SIONAINN MARCOUX 23	1:11.75 LEANNE FARMER 23	2:18.98 KRISTEN ZUKOWSKI 24	11:58.45 EMILY WATTS 28
11:00.74 CRISTY RYERSON 23	1:11.86 SUSAN WOLFE 24	2:19.57 SUSAN STRONG 24	1650 YD. FREE WOMEN 25-29
11:38.73 SYLVIA BRANDI 23	1:12.13 BONNIE FRYER 24	2:19.96 TERRY WENZINGER 23	16:50.17 KAREN BURTON 91
11:46.30 JENNIFER WILSON 23	1:12.67 C.RADCLIFF 21	400 YD. I.M. WOMEN 19-24	17:39.32 ALISON ZAMANIAN 25
11:48.26 JERI RAMSBOTTOM 24	1:13.46 LISA SUMMERS 24	4:39.85 ALISON ZAMANIAN 94	18:10.63 DONNA JOHNSON 28
11:48.88 KATE CONKLIN 21	1:13.60 MONICA BULLARD 23	4:43.06 BONNIE FRYER 24	18:23.76 JOANNA ZEIGER 25
11:50.58 S.HUTCHERSON 24	200 YD. BRST WOMEN 19-24	4:47.68 M.HOLMQUIST 24	18:39.29 NANCY NORTH 27
12:04.06 HEIDI COLLIER 23	2:25.40 ANNE TWEEDY 87	4:58.53 JENNIFER BISSELL 24	18:50.97 S BARTHOLOMEW 26
12:04.41 CAMILLE JOHNSON 22	2:28.47 BONNIE FRYER 24	5:01.96 MARGARET BOLIVER 24	18:59.13 BROOKE BOWMAN 29
1650 YD. FREE WOMEN 19-24	2:29.45 L MEADE 23	5:02.08 CHRISTINE SCHULTZ 24	19:09.53 GILLIAN FUCIANA 28
17:31.70 KAREN BURTON 87	2:35.02 C.RADCLIFF 21	5:04.50 KATE CONKLIN 21	19:18.87 SAMANTHA ROYER 25
18:34.25 ELAINE WEIGAND 24	2:35.42 DUSTIN MATTHEW 24	5:10.42 K.POPLAWSKI 23	19:29.71 JENNIFER BROWN 29
19:39.14 KARA KELLY 19	2:37.00 JEAN KENYON 23	5:11.08 SYLVIA BRANDI 23	19:56.49 MICHELLE FRINK 25
19:48.44 E.SANTANGELO 23	2:37.62 BETHANN SCHWARZ 20	5:11.34 TERI HEITMEYER 22	50 YD. BACK WOMEN 25-29
20:01.11 GINA FRENCH 20	2:37.71 SUSAN WOLFE 24	5:13.19 SUSAN WOLFE 24	26.76 DIANE GRANER 89
20:13.01 MICHELLE CARTER 22	2:38.78 KATE CONKLIN 21	*****	28.05 GRETCHEN EBNER 29
20:31.32 TERI HEITMEYER 22	2:39.50 CHRISTINE SCHULTZ 24	50 YD. FREE WOMEN 25-29	28.35 JILL ROTHKOPF 29
20:31.85 CAMILLE JOHNSON 22	2:39.63 ANDREA SCHMIDT 23	23.20 ANNA PETTIS-SCOTT 92	28.53 E.MACDONALD 29
20:38.52 HEIDI SCHWARTZ 24	50 YD. FLY WOMEN 19-24	24.46 MICHELLE DAVID 25	28.61 DYNE BURRELL 29
22:21.33 DEBBY NEWMAN 22	26.20 JAMIE RAAB 95	24.54 CINDY UNRUH 25	28.64 KATHY UTLEY 25
22:21.62 KARIN FINN 22	27.03 STACY FINGALSON 23	24.83 E.MACDONALD 29	28.86 MICHELE DIXON 26
50 YD. BACK WOMEN 19-24	27.77 BONNIE FRYER 23	24.86 DYNE BURRELL 29	29.32 TINA SANDLIN 28
27.85 DEBBIE RISEN 90	27.83 LISA RHODES 23	24.87 DEBBIE LYNCH 27	29.34 CHRISTIE WOODRUFF 25
28.03 JENNIFER RUSSELL 21	28.00 SUSAN STRONG 24	24.91 LOUISE KEOGH 27	29.40 MARGARET BOLIVER 25

# TOP TEN - SHORT COURSE YARDS

29.46 JANICE RUSSELL 29	59.53 CINDY UNRUH 25	53.43 LAUREEN WELTING 30	1:01.44 SHELIA STOLARSKI 34
100 YD. BACK WOMEN 25-29	59.97 LAUREL HILL 27	54.29 LYNN WITTSTOCK 33	1:02.04 PENNY LEACH 33
56.70 DIANE GRANER 91	1:00.93 JULIE BILLS 27	54.71 CHRISTINE VESS 31	1:02.41 CINDY WATTS 34
59.68 GRETCHEN EBNER 29	1:00.95 TINA SANDLIN 28	54.85 VICKY DAVIDSON 31	1:02.69 PAMELA BOSCOVICH 33
1:00.98 JILL ROTHKOPF 29	1:01.09 KATHY UTLEY 25	55.12 STACY JONES 30	1:02.87 ANDREA DEVUONO 33
1:02.55 CHRISTIE WOODRUFF 25	1:01.15 TERRI WYELS 28	55.19 SHELIA STOLARSKI 34	200 YD. BACK WOMEN 30-34
1:02.55 MICHELE DIXON 26	1:01.26 ROSIE SHEPPARD 26	55.60 COLLETTE SAPPY 31	1:59.93 K.PIPES-NEILSEN 96
1:02.57 CINDY UNRUH 25	1:01.55 BARBARA MISENER 29	200 YD. FREE WOMEN 30-34	1:59.93 K.PIPES-NEILSEN 33
1:02.82 MARGARET BOLIVER 25	1:01.69 NATALIE HITE 29	1:51.99 K.PIPES-NEILSEN 96	2:04.99 DIANE GALLAS 32
1:03.49 KATHY UTLEY 25	1:01.75 RACHEL BUDD 25	1:51.99 K.PIPES-NEILSEN 34	2:08.88 MARTIE MCKINNEY 31
1:03.61 JANICE RUSSELL 29	200 YD. FLY WOMEN 25-29	1:55.04 DIANE GALLAS 32	2:12.44 ANDREA DEVUONO 33
1:03.68 LAURIE CYR 27	2:03.38 JUNE FORD 87	1:52.40 SARA SHAND 31	2:12.56 VICKY DAVIDSON 31
1:03.85 SOLVEI SULLIVAN 25	2:12.91 ALISON ZAMANIAN 26	1:54.71 LISA HAZEN 31	2:12.66 SHELIA STOLARSKI 34
200 YD. BACK WOMEN 25-29	2:14.77 LAUREL HILL 27	1:55.79 LAUREEN WELTING 30	2:13.37 PAMELA BOSCOVICH 33
2:01.29 DIANE GRANER 91	2:15.36 TIFFANY FORBES 29	1:55.89 DIANE GALLAS 32	2:14.03 VIBEKE SWANSON 34
2:09.98 GRETCHEN EBNER 29	2:15.88 JENNY MILLER 25	1:58.87 ELLEN FERGUSON 33	2:14.76 SHEILA MORTELL 33
2:13.27 ALISON ZAMANIAN 26	2:16.70 BROOKE BOWMAN 29	1:59.45 LYNN WITTSTOCK 33	2:15.07 CHRISTINE VESS 31
2:14.40 LORETTA SOFFE 29	2:16.86 E.MALKEMUS 26	1:59.80 CAROL OLSON 33	50 YD. BRST WOMEN 30-34
2:15.11 JILL ROTHKOPF 29	2:17.40 KRISTEN TURNER 26	2:00.04 JANE KLEINE 30	29.84 ROSEMARIE SEAMAN 89
2:16.93 E.MARESCA-ORTOF 29	2:17.46 PAMELA FRANKLIN 26	2:00.19 NANCY AUGLIERA 32	31.54 K.PIPES-NEILSEN 34
2:17.04 DYNE BURRELL 29	2:18.04 MARGARET PASEK 25	500 YD. FREE WOMEN 30-34	31.85 KATHRYN GELMAN 31
2:17.31 SOLVEI SULLIVAN 25	2:18.65 ROSIE SHEPPARD 26	4:59.08 K.PIPES-NEILSEN 96	32.49 MAUD ORLANDO 33
2:17.36 MARGARET BOLIVER 25	100 YD. I.M. WOMEN 25-29	4:59.08 K.PIPES-NEILSEN 34	32.50 SUSAN RICHMOND 34
2:17.42 CHRISTIE WOODRUFF 25	58.84 SARA SHAND 93	5:03.04 LISA HAZEN 31	32.53 BETH SCHEIMANN 33
2:17.63 JENNY MILLER 25	1:01.69 GRETCHEN EBNER 29	5:03.97 SARA SHAND 31	32.67 AMY FLEMING 33
50 YD. BRST WOMEN 25-29	1:02.34 LISA SUMMERS 25	5:14.91 JUNE FORD 34	32.67 ELLEN ATKINSON 33
29.78 KELLI KING-BEDNAR96	1:02.55 KELLI KING-BEDNAR 25	5:15.12 JANE KLEINE 30	32.84 HEATHER HAWTHORNE 30
29.78 KELLI KING-BEDNAR 25	1:02.55 JENNIFER TONON 25	5:18.17 KAREN BURTON 33	33.11 MERIT GREAVES 32
30.86 LOUISE KEOGH 27	1:02.76 E.MACDONALD 29	5:19.33 SUSAN GARDENAL 30	33.17 CAROLYN KOSTER 34
30.88 SUSIE MORTENSON 27	1:02.88 CINDY UNRUH 25	5:23.51 LAURIE HUG 30	100 YD. BRST WOMEN 30-34
31.67 LIZ SEYMOUR 28	1:02.94 NATALIE HITE 29	5:23.73 LIZ DILLMANN 31	1:05.05 ROSEMARIE SEAMAN 89
31.81 CHERYL CONLIN 28	1:03.11 LORETTA SOFFE 29	5:24.41 ELLEN FERGUSON 33	1:09.85 K.PIPES-NEILSEN 33
32.47 DEBBIE LYNCH 27	1:03.11 LIZ SEYMOUR 28	1000 YD. FREE WOMEN 30-34	1:10.57 ELLEN ATKINSON 33
32.53 DEBBIE SCHULTZ 27	1:03.19 SUSIE MORTENSON 27	10:20.10 SUSAN PORTER 94	1:10.62 KATHLEEN SCHWARTZ 30
32.60 BETH ALTCEK 29	200 YD. I.M. WOMEN 25-29	10:30.44 LISA HAZEN 31	1:10.66 KATHRYN GELMAN 31
32.63 ERIN BAKEY 27	2:05.98 SARA SHAND 93	10:32.30 K.PIPES-NEILSEN 34	1:11.06 MAUD ORLANDO 33
32.69 JENNIFER TONON 25	2:13.44 LISA SUMMERS 25	10:38.98 JANE KLEINE 30	1:11.95 SUSAN RICHMOND 34
100 YD. BRST WOMEN 25-29	2:13.55 GRETCHEN EBNER 29	10:49.97 KAREN BURTON 33	1:12.33 LISA FLANAGAN 33
1:05.88 KELLI KING-BEDNAR96	2:15.34 E.MARESCA-ORTOF 29	11:01.46 JUNE FORD 34	1:12.49 MICHELE ROY 32
1:05.88 KELLI KING-BEDNAR 25	2:15.58 HELEN WALSH 27	11:14.58 MARCIA CLEVELAND 32	1:12.71 CORRIN POPPIS 31
1:07.05 LOUISE KEOGH 27	2:16.02 JENNIFER RIDGE 27	11:17.44 ELLEN FERGUSON 33	1:12.84 CAROLYN KOSTER 34
1:08.30 LAUREL HILL 27	2:16.11 LOUISE KEOGH 27	11:17.56 NANCY ROSE 34	200 YD. BRST WOMEN 30-34
1:08.59 SUSIE MORTENSON 27	2:16.62 ALISON ZAMANIAN 25	11:20.64 P.SEPULVADO 31	2:27.83 K.PIPES-NEILSEN 96
1:09.79 CHERYL CONLIN 27	2:16.89 DYNE BURRELL 29	11:22.36 PENNY LEACH 32	2:27.83 K.PIPES-NEILSEN 33
1:09.90 HELEN WALSH 27	2:17.20 PAMELA FRANKLIN 26	1650 YD. FREE WOMEN 30-34	2:32.94 JUNE FORD 34
1:10.04 KAREN DUGGAN 25	2:17.71 CARMEN BRUN 29	17:07.52 KAREN BURTON 93	2:33.45 MAUD ORLANDO 33
1:10.34 DEBBIE LYNCH 27	400 YD. I.M. WOMEN 25-29	17:25.02 LISA HAZEN 31	2:33.63 ELLEN ATKINSON 33
1:10.63 BETH ALTCEK 29	4:28.40 SARA SHAND 91	17:47.36 JUNE FORD 34	2:34.70 SUSAN RICHMOND 34
1:10.80 LIZ SEYMOUR 28	4:42.79 ALISON ZAMANIAN 25	18:05.08 KAREN BURTON 33	2:37.95 ELLEN FERGUSON 33
200 YD. BRST WOMEN 25-29	4:44.59 LORETTA SOFFE 29	18:05.54 MARGEE CURRAN 34	2:38.25 CHERYL BARANY 31
2:23.59 LOUISE KEOGH 94	4:50.24 JENNIFER RIDGE 27	18:29.18 NANCY ROSE 34	2:38.34 BEVERLY ACKER 30
2:25.45 LOUISE KEOGH 27	4:54.56 CARMEN BRUN 29	18:35.30 MARCIA CLEVELAND 32	2:38.46 BETH SCHEIMANN 33
2:25.91 KELLI KING-BEDNAR 25	4:54.77 E.MARESCA-ORTOF 29	18:53.09 LAURIE HUG 30	2:38.52 SUSANNE DIVELBISS 30
2:28.37 LAUREL HILL 27	4:55.00 JENNY MILLER 25	19:04.36 P.SEPULVADO 31	50 YD. FLY WOMEN 30-34
2:29.30 KAREN DUGGAN 25	4:56.32 KERSTEN ANNEGERS 27	19:07.98 DEBORAH ZIMIC 33	25.62 ROSEMARIE SEAMAN 89
2:33.09 KERSTEN ANNEGERS 27	4:56.45 JILL LEMONE 29	19:12.37 SUSIE BLAKE 30	26.79 K.PIPES-NEILSEN 33
2:33.26 BETH ALTCEK 29	4:56.61 JOANNA ZEIGER 25	50 YD. BACK WOMEN 30-34	27.16 MARTIE MCKINNEY 31
2:33.85 LISA SUMMERS 25	4:56.88 KAREN DUGGAN 25	27.15 K.PIPES-NEILSEN 96	27.16 CINDY WATTS 34
2:34.31 E.MALKEMUS 26	*****	27.15 M.PIPES-NEILSEN 34	27.77 MARGARET MONTESI 31
2:34.46 JENNIFER RIDGE 27	50 YD. FREE WOMEN 30-34	27.80 VICKY DAVIDSON 31	27.84 KATHLEEN SCHWARTZ 30
2:34.60 CHERYL CONLIN 27	23.04 S NEILSON-BELL 88	27.85 DIANE GALLAS 32	27.87 SUSAN MENDEZ 33
50 YD. FLY WOMEN 25-29	23.92 SARA SHAND 31	28.58 MARIKA JOHNSON 33	27.99 IRINA POLOUEKTOVA 31
25.68 LINDA LANINI 87	24.40 K.PIPES-NEILSEN 33	28.67 LIZ HOBBS 34	28.04 MAGGIE ROEPKE 33
26.52 MICHELLE DAVID 25	25.14 LIZ HOBBS 34	28.96 CHRISTINE VESS 31	28.07 CAROL OLSON 33
27.01 TERRI WYELS 27	25.15 SHELIA STOLARSKI 34	29.09 CINDY WATTS 34	28.09 LIZ HOBBS 34
27.19 NATALIE HITE 29	25.25 IRINA POLOUEKTOVA 31	29.16 PENNY LEACH 33	100 YD. FLY WOMEN 30-34
27.31 TINA SANDLIN 28	25.29 COLLETTE SAPPY 31	29.23 SHELIA STOLARSKI 34	55.68 ROSEMARIE SEAMAN 89
27.69 JULIE BILLS 27	25.37 MELANIE MENEZES 32	29.37 ANDREA DEVUONO 33	57.17 MARTIE MCKINNEY 31
27.82 KELLY RELLINGER 29	25.37 MARGARET MONTESI 32	100 YD. BACK WOMEN 30-34	57.28 K.PIPES-NEILSEN 34
27.86 BARBARA MISENER 29	25.43 CAROL OLSON 33	57.13 K.PIPES-NEILSEN 96	59.98 CINDY WATTS 34
27.92 GRETCHEN EBNER 29	25.44 MARY MUETING 31	57.13 K.PIPES-NEILSEN 34	1:00.52 LAUREEN WELTING 30
28.04 BROOKE BOWMAN 28	100 YD. FREE WOMEN 30-34	58.43 DIANE GALLAS 32	1:00.77 MARGARET MONTESI 32
28.07 JENNIFER TONON 25	50.83 SANDY NEILSON 87	59.56 MARTIE MCKINNEY 31	1:01.63 CHERYL BARANY 31
100 YD. FLY WOMEN 25-29	51.63 K.PIPES-NEILSEN 33	1:01.08 VIBEKE SWANSON 34	1:01.69 PAM LAZZAROTTO 34
57.01 DIANE GRANER 91	51.77 SARA SHAND 31	1:01.11 CHRISTINE VESS 31	1:02.20 CAROL OLSON 33

# TOP TEN - SHORT COURSE YARDS

1:02.28 M.DONAHUE 33	200 YD. FREE WOMEN 35-39	2:14.00 KIMBERLY CARLISLE 35	2:25.15 THERESA VILLA 39
1:02.34 SUSAN MENDEZ 33	1:52.79 SUSAN HALFACRE 88	2:15.84 LINDLEY DOUGHTY 37	2:25.80 CHARLENE O'BRIEN 39
200 YD. FLY WOMEN 30-34	1:58.10 MARGEE CURRAN 35	2:16.87 KAREN FARNSWORTH 39	2:27.08 AMY POPE 35
2:03.46 K.PIPES-NEILSEN 96	1:59.99 ROBYNN MASTERS 37	2:18.11 PAULA LANDERS 39	2:27.95 NANCY LEWIS 36
2:03.46 K.PIPES-NEILSEN 34	2:01.76 SUZANNE HEIM 37	2:20.56 BONNIE BILICH 38	2:28.49 CYNTHIA HYLAND 35
2:06.17 MARTIE MCKINNEY 31	2:01.86 B.BARTLETTE 35	2:20.59 LYNN DEGEORGE 35	2:29.34 LORRAINE SOMMERS 39
2:12.82 LAUREEN WELTING 30	2:03.25 MARGUERITE MEYER 37	2:21.12 MARGARET LLOYD 35	100 YD. I.M. WOMEN 35-39
2:16.46 SARA SHAND 31	2:03.85 C.E. SHONKWILER 35	2:21.17 PAULA ROEMER 35	1:00.22 SUSAN HALFACRE 88
2:18.07 PAM LAZZAROTTO 34	2:03.88 PEGGY KRATZ 35	2:21.32 MEGAN DAMERON 37	1:02.09 KIMBERLY CARLISLE 35
2:18.27 DEBORAH ZIMIC 33	2:04.08 JUDY NELSON 35	50 YD. BRST WOMEN 35-39	1:03.41 BETH O'CONNOR 35
2:18.43 C.CHICHESTER 32	2:04.08 ELAINE WIMER 36	30.85 LESLIE OSBORNE 89	1:04.36 LINDLEY DOUGHTY 37
2:18.49 JUNE FORD 34	2:04.08 LYNN DE GEORGE 35	32.49 DEA JOSLIN 37	1:04.53 SIMONE LAPAY 35
2:19.02 CORY MACKIE 32	500 YD. FREE WOMEN 35-39	33.00 PATTY POWIS 35	1:04.77 DEA JOSLIN 37
2:19.30 KAREN BURTON 33	5:01.04 SUSAN HALFACRE 88	33.09 HILARY MAIN 36	1:05.02 ELAINE WIMER 36
100 YD. I.M. WOMEN 30-34	5:15.13 MARGEE CURRAN 35	33.19 JUDY LALLIER 36	1:05.73 G WETTACH 39
58.78 ROSEMARIE SEAMAN 89	5:19.91 ROBYNN MASTERS 37	33.29 KAREN MELICK 39	1:05.90 CARLA DROPO 36
59.28 K.PIPES-NEILSEN 34	5:25.39 SUZANNE HEIM 37	33.39 LISA BENNETT 39	1:06.05 KAREN SING 39
59.92 SARA SHAND 31	5:27.61 BETH KNIGHT 36	33.49 ELAINE WIMER 36	1:06.53 CAREN MCNAMARA 35
1:03.85 SHELIA STOLARSKI 34	5:27.87 MARGUERITE MEYER 37	33.50 JANE ROBIE 37	200 YD. I.M. WOMEN 35-39
1:03.86 MARTIE MCKINNEY 31	5:29.50 AMY POPE 35	33.85 JUDY TIBMA 39	2:11.77 JUDITH LALLIER 96
1:04.01 CINDY WATTS 34	5:30.88 KATHERINE BRANCH 38	33.90 CARLA DROPO 36	2:11.77 JUDITH LALLIER 36
1:04.02 MARGARET MONTESI 31	5:30.89 LYNN DEGEORGE 35	100 YD. BRST WOMEN 35-39	2:17.57 KIMBERLY CARLISLE 35
1:04.17 ANDREA DEVIUNO 33	5:33.10 JUDY NELSON 35	1:07.58 LESLIE OSBORNE 89	2:17.66 S.NEILSON-BELL 39
1:04.18 ELLEN ATKINSON 33	5:34.06 PEGGY KRATZ 35	1:11.27 JUDY LALLIER 36	2:17.89 BETH O'CONNOR 35
1:04.26 VIBEKE SWANSON 34	1000 YD. FREE WOMEN 35-39	1:12.60 CARLA DROPO 36	2:21.69 LYNN DEGEORGE 35
1:04.36 BETH SCHEIMANN 33	10:39.87 SUSAN HALFACRE 88	1:12.81 COKIE LEPINSKI 36	2:22.03 MARGARET LLOYD 35
200 YD. I.M. WOMEN 30-34	10:43.03 MARGEE CURRAN 35	1:13.15 HILARY MAIN 36	2:22.59 KAREN FARNSWORTH 39
2:04.30 K.PIPES-NEILSEN 96	10:58.84 SUZANNE HEIM 37	1:13.21 ELAINE WIMER 36	2:23.19 CARLA DROPO 36
2:04.30 K.PIPES-NEILSEN 34	10:59.89 MARGUERITE MEYER 37	1:13.33 PATTY POWIS 35	2:23.84 LYNN DE GEORGE 35
2:06.16 SARA SHAND 31	11:20.41 SIMONE LAPAY 35	1:13.73 JUDY TIBMA 39	2:24.52 CORINNA SEIBT 35
2:10.99 MARTIE MCKINNEY 31	11:26.46 LYNN DEGEORGE 35	1:13.84 EILEEN WALL 38	400 YD. I.M. WOMEN 35-39
2:16.29 ANDREA DEVIUNO 33	11:35.59 KAREN FARNSWORTH 39	1:14.36 KAREN MELICK 39	4:44.51 JUDITH LALLIER 96
2:17.09 CHERYL BARANY 31	11:35.95 JUDY NELSON 35	1:14.51 WENDY RYAN 38	4:44.51 JUDITH LALLIER 36
2:17.28 MARGARET MONTESI 32	11:36.91 MAUREEN MENDOZA 35	200 YD. BRST WOMEN 35-39	4:54.14 B.BARTLETTE 35
2:17.84 KAREN BURTON 33	11:37.14 PEGGY KRATZ 35	2:30.53 KAREN MELICK 92	4:58.81 KAREN FARNSWORTH 39
2:17.90 SUSAN GARDENAL 30	11:37.70 NANCY LEWIS 36	2:31.58 DEA JOSLIN 37	4:59.31 LYNN DE GEORGE 35
2:18.01 LIZ DILLMANN 31	1650 YD. FREE WOMEN 35-39	2:36.41 CARLA DROPO 36	4:59.82 SIMONE LAPAY 35
2:18.22 STACY JONES 30	17:15.23 SUSAN HALFACRE 88	2:37.37 COKIE LEPINSKI 36	5:00.48 KIMBERLY CARLISLE 35
400 YD. I.M. WOMEN 30-34	17:47.38 ROBYNN MASTERS 37	2:38.25 EILEEN WALL 38	5:03.99 SUZANNE HEIM 37
4:25.68 KARLYN PIPES 95	18:10.09 MARGUERITE MEYER 37	2:39.54 JUDY TIBMA 39	5:04.93 MARGARET LLOYD 35
4:26.35 K.PIPES-NEILSEN 33	18:51.76 SIMONE LAPAY 35	2:40.86 PATTY POWIS 35	5:05.90 AMY POPE 35
4:28.43 RANDY COX 33	18:53.58 SUZANNE HEIM 37	2:41.74 KAREN MELICK 39	5:09.39 CARLA DROPO 36
4:32.77 SARA SHAND 31	19:06.20 NANCY LEWIS 36	2:42.65 DIANNA TATE 35	*****
4:46.14 JUNE FORD 34	19:33.83 TARA KELLY 35	2:44.66 WENDY RYAN 38	50 YD. FREE WOMEN 40-44
4:47.25 KAREN BURTON 33	19:41.08 PEGGY KRATZ 35	2:45.49 JANE ROBIE 37	24.29 S.NEILSON-BELL 96
4:48.18 LAUREEN WELTING 30	19:42.03 CATHY PHILPOT 39	50 YD. FLY WOMEN 35-39	24.29 S.NEILSON-BELL 40
4:52.26 LAURIE HUG 30	19:52.77 MARY SWEAT 38	26.68 LAURA VAL 87	25.12 LAURA VAL 44
4:52.74 C.CHICHESTER 32	20:04.98 THERESA VILLA 39	27.12 CATHY SHONKWILER 36	25.70 JANE ZIEGLER 42
4:53.91 ANDREA DEVIUNO 33	50 YD. BACK WOMEN 35-39	27.62 BETH O'CONNOR 35	25.71 NANCY FISHER 44
4:56.70 DEBORAH ZIMIC 33	27.82 LAURA VAL 91	27.82 JANICE GILLIES 37	26.05 JOEL FELDMANN 44
*****	28.45 KIMBERLY CARLISLE 35	27.85 THERESA VILLA 39	26.21 C.STONESIFER 43
50 YD. FREE WOMEN 35-39	28.63 LINDLEY DOUGHTY 37	28.04 JENNIFER LUKER 39	26.22 JO MOORE 41
23.53 S.NEILSON-BELL 96	28.91 JUDY LALLIER 36	28.28 LINDLEY DOUGHTY 37	26.32 DANIELLE OGIER 43
23.53 S.NEILSON-BELL 39	29.47 C.E. SHONKWILER 35	28.40 CAREN MCNAMARA 35	26.68 LO KNAPP 41
25.11 C.E. SHONKWILER 35	29.61 BETH O'CONNOR 35	28.62 BARBARA CROWDER 38	26.75 KARLENE WISE 42
25.21 SIMONE LAPAY 35	29.87 KAREN SING 39	28.73 MARGEE CURRAN 35	100 YD. FREE WOMEN 40-44
25.25 G WETTACH 39	29.92 SIMONE LAPAY 35	28.87 ELAINE WIMER 36	53.37 S.NEILSON-BELL 96
25.41 ELAINE WIMER 36	30.08 PATTY LANDERS 39	100 YD. FLY WOMEN 35-39	53.37 S.NEILSON-BELL 40
25.58 JENNIFER LUKER 39	30.24 PAULA ROEMER 35	56.90 SUSAN HALFACRE 88	54.80 LAURA VAL 44
25.97 PAULA ROEMER 35	30.33 CORINNA SEIBT 35	1:00.87 C.E. SHONKWILER 35	56.19 JANE ZIEGLER 42
26.10 SHERI SCHNEIDER 37	100 YD. BACK WOMEN 35-39	1:01.08 BETH O'CONNOR 35	56.34 DANIELLE OGIER 43
26.13 KATHIE FURGELE 36	59.83 ZENA HERRMANN 95	1:01.78 THERESA VILLA 39	56.52 JO MOORE 41
26.14 MARGEE CURRAN 35	1:00.23 JUDY LALLIER 36	1:02.60 LINDLEY DOUGHTY 37	56.97 NANCY FISHER 44
100 YD. FREE WOMEN 35-39	1:01.32 KIMBERLY CARLISLE 35	1:02.91 MARGEE CURRAN 35	57.90 SUSAN HALFACRE 43
51.54 S.NEILSON-BELL 95	1:01.73 LINDLEY DOUGHTY 37	1:03.14 PAULA ROEMER 35	58.80 RITCHIE SONNER 40
51.54 S.NEILSON-BELL 39	1:02.41 BETH O'CONNOR 35	1:03.81 ROBYNN MASTERS 36	58.90 JOEL FELDMANN 44
55.08 SIMONE LAPAY 35	1:03.81 PATTY LANDERS 39	1:04.07 PEGGY KRATZ 35	58.95 KATHY GUINN 41
55.87 CATHY SHONKWILER 36	1:05.12 KAREN FARNSWORTH 39	1:04.76 BARBARA CROWDER 38	200 YD. FREE WOMEN 40-44
55.90 ELAINE WIMER 36	1:05.18 L.HASSELQUIST 38	1:04.84 CHARLENE O'BRIEN 39	1:58.79 LAURA VAL 94
56.05 ROBYNN MASTERS 37	1:05.33 BONNIE BILICH 38	200 YD. FLY WOMEN 35-39	2:00.68 S.NEILSON-BELL 40
56.05 PAULA ROEMER 35	1:05.41 PAULA ROEMER 35	2:10.80 LAURA VAL 87	2:02.82 DANIELLE OGIER 43
56.56 JENNIFER LUKER 39	1:05.53 C.E. SHONKWILER 35	2:18.59 SUZANNE HEIM 37	2:05.53 NANCY FISHER 44
56.81 G WETTACH 39	200 YD. BACK WOMEN 35-39	2:18.82 ROBYNN MASTERS 37	2:06.88 LO KNAPP 41
57.38 BARBARA CROWDER 38	2:08.54 JUDITH LALLIER 96	2:19.27 B.BARTLETTE 35	2:07.91 JULIE WYNN 40
57.45 SHERI SCHNEIDER 37	2:08.54 JUDY LALLIER 36	2:24.94 PEGGY KRATZ 35	2:07.99 DOT MUNGER 44

# TOP TEN - SHORT COURSE YARDS

2:10.51 DEBBIE FLANSBURG 40	2:33.40 EVELYN LYNCH 43	1:03.05 S.NEILSON-BELL 40	6:05.38 TERRY GAULT 45
2:10.71 HEIDI ERNST 43	50 YD. BRST WOMEN 40-44	1:04.48 LAURA VAL 43	6:11.24 P.KAWAKAMI 45
2:10.76 MARY ANN STEVENS 42	32.73 LISA BENNETT 96	1:05.03 DANIELLE OGIER 43	6:12.88 MARCIA BARRY 47
2:12.77 ELAINE FINCHAM 40	32.73 LISA BENNETT 40	1:07.03 SUSAN HALFACRE 43	6:13.37 JONELLE SCHMIDT 45
500 YD. FREE WOMEN 40-44	33.93 DOT MUNGER 44	1:07.20 ANDRA JAUNZEME 43	6:13.72 ANN LYTTLE 48
5:23.35 LAURA VAL 94	34.21 DEB WALKER 44	1:07.31 CAMILLE THOMPSON 41	6:15.61 F.WILLIAMSON 48
5:24.71 LAURA VAL 44	34.27 LO KNAPP 41	1:07.58 JOEL FELDMANN 44	6:21.83 ANNE GRAMS 48
5:30.24 SUSAN HALFACRE 43	34.35 GAYLE BENTY 43	1:08.02 C.STONESIFER 43	6:21.90 SHARON WISE 49
5:35.32 NANCY FISHER 44	34.52 DIANE HEINSON 40	1:08.11 LISA BENNETT 40	1000 YD. FREE WOMEN 45-49
5:37.28 DANIELLE OGIER 43	34.68 MARICA MOREY 40	1:08.16 MARYANN STEVENS 42	11:32.82 BARBARA DUNBAR 94
5:39.01 KAREN FARNSWORTH 40	34.68 CAROLE SHIGAKI 40	200 YD. I.M. WOMEN 40-44	11:34.08 BARBARA DUNBAR 47
5:40.95 B.MORSE-GILLHAM 40	34.94 DANIELLE OGIER 43	2:17.08 S.NEILSON-BELL 96	11:50.40 CELESTE MILLER 46
5:40.99 DOT MUNGER 44	35.15 DONNA NEARY 40	2:17.08 S.NEILSON-BELL 40	12:28.80 TERRY SUE GAULT 45
5:43.32 LAURIE SAMUELSON 40	100 YD. BRST WOMEN 40-44	2:22.12 DANIELLE OGIER 43	12:33.50 P.KAWAKAMI 45
5:44.56 LO KNAPP 41	1:11.73 DOT MUNGER 92	2:22.45 CAMILLE THOMPSON 41	12:50.35 MARCIA BARRY 47
5:48.22 HEIDI ERNST 43	1:13.48 LO KNAPP 41	2:23.95 KAREN FARNSWORTH 40	12:58.72 NANCY MILLER 46
1000 YD. FREE WOMEN 40-44	1:13.93 DOT MUNGER 44	2:24.52 LO KNAPP 41	13:00.38 ANN LYTTLE 48
11:20.18 BARBARA DUNBAR 90	1:13.99 GAYLE BENTY 43	2:25.92 MARY ANN STEVENS 42	13:27.36 SUZANNE RAGUE 45
11:23.85 KAREN FARNSWORTH 40	1:14.41 LISA BENNETT 40	2:27.61 ANDRA JAUNZEME 43	13:31.88 CATHY MANCINO 46
11:34.87 DANIELLE OGIER 43	1:14.65 DEB WALKER 44	2:29.62 LISA BENNETT 40	13:33.25 PHYLLIS SPRINGER 46
11:40.47 NANCY FISHER 44	1:14.87 ANDRA JAUNZEME 43	2:30.55 MELON DASH 41	1650 YD. FREE WOMEN 45-49
11:41.00 MARICA MOREY 40	1:15.17 CAROLE SHIGAKI 40	2:31.27 MARILYN FINK 41	19:12.36 BARBARA DUNBAR 94
11:53.65 HEIDI ERNST 43	1:16.24 DIANE HEINSON 40	400 YD. I.M. WOMEN 40-44	19:35.75 BARBARA DUNBAR 47
11:53.94 DOT MUNGER 44	1:16.43 DANIELLE OGIER 43	4:55.16 LAURA VAL 96	20:24.04 TERRY GAULT 45
12:02.38 ELAINE FINCHAM 40	1:16.67 MELON DASH 41	4:55.16 LAURA VAL 44	21:33.98 CYNTHIA JONES 45
12:03.50 JUDY HELLER 40	200 YD. BRST WOMEN 40-44	5:00.51 KAREN FARNSWORTH 40	21:41.86 JEANNETTE BAUER 46
12:05.10 DONNA NEARY 40	2:37.37 GAYLE BENTY 93	5:03.39 DANIELLE OGIER 43	21:54.75 KATHRINE CASEY 47
12:06.01 DEBBIE FLANSBURG 40	2:40.32 GAYLE BENTY 43	5:10.84 MARY ANN STEVENS 42	22:46.80 CATHY MANCINO 46
1650 YD. FREE WOMEN 40-44	2:40.66 LO KNAPP 41	5:13.78 ANDRA JAUNZEME 43	23:25.52 CHRISTINE ZIMMET 48
18:58.23 BARBARA DUNBAR 89	2:40.95 DEB WALKER 44	5:17.48 ELAINE FINCHAM 40	23:44.23 ANN SVANSON 49
19:19.27 LAURIE SAMUELSON 40	2:41.37 DOT MUNGER 44	5:20.90 KARLENE WISE 42	23:47.45 LAURA CALWELL 45
19:50.19 DANIELLE OGIER 43	2:41.46 ANDRA JAUNZEME 43	5:25.87 JOANNE WAINWRIGHT 40	23:59.83 KATHY KRUCKER 47
20:01.61 B.MORSE-GILLHAM 40	2:41.89 LISA BENNETT 40	5:26.51 DENISE EVERITT 43	50 YD. BACK WOMEN 45-49
20:04.02 JUDY HELLER 40	2:44.77 DANIELLE OGIER 43	5:27.51 LO KNAPP 41	30.30 CECILA MCCLOSKEY 95
20:27.90 ELAINE FINCHAM 40	2:48.93 KRISSE MACCUDY 43	*****	33.15 RUTH SHAPS 48
20:28.63 JO MOORE 41	2:49.19 MERRY FINCH 41	50 YD. FREE WOMEN 45-49	33.40 MARTI BETZ 46
20:45.49 PHYLLIS QUINN 40	2:51.09 MARY ANN STEVENS 42	25.98 ARDETH MUELLER 88	33.78 CHARLOTTE DAVIS 45
20:48.96 CATHY SCHULBACH 42	50 YD. FLY WOMEN 40-44	27.79 CHARLOTTE DAVIS 45	35.00 SUZANNE COOPER 46
20:49.30 JOANNE WAINWRIGHT 40	26.46 LAURA VAL 93	28.18 F.WILLIAMSON 48	35.01 MARGUERITE HANSEN 46
20:51.40 KARLENE WISE 42	27.40 LAURA VAL 44	28.27 CELESTE MILLER 46	35.24 ELLEN ROCKHOLM 47
50 YD. BACK WOMEN 40-44	28.55 CAMILLE THOMPSON 41	28.30 M.MILANO-MOREY 45	35.29 PATRICE HIRR 46
27.91 LAURA VAL 92	28.63 DEBBIE FLANSBURG 40	28.54 RUTH SHAPS 48	35.43 JEANNIE MITCHELL 49
28.28 LAURA VAL 44	28.72 MARYANN STEVENS 42	28.55 SHARON WISE 49	35.47 B.EDELMAIER 49
29.52 NANCY FISHER 44	28.80 JOEL FELDMANN 44	28.68 P.HALSEY-SHERMAN 49	35.57 TERRY SUE GAULT 45
30.15 JOEL FELDMANN 44	29.06 ELAINE FINCHAM 40	28.78 ANNE PAGE 47	100 YD. BACK WOMEN 45-49
30.17 KATHY GUINN 41	29.23 BONNIE ADAIR 43	28.86 GERRE JONES 47	1:06.27 CECILA MCCLOSKEY 95
30.20 CAROLE SHIGAKI 40	29.27 CAROLE SHIGAKI 40	28.88 M.DIAZ-MACARTNEY 47	1:06.32 CECILIA MCCLOSKEY 46
30.51 JANE ZIEGLER 42	29.42 DEBBIE GLASSMAN 42	100 YD. FREE WOMEN 45-49	1:09.61 JONELLE SCHMIDT 45
30.58 KAREN FARNSWORTH 40	29.49 R.BRITTINGHAM 44	57.91 ARDETH MUELLER 87	1:10.96 RUTH SHAPS 48
30.62 DIANE MORINI 43	100 YD. FLY WOMEN 40-44	59.87 JONELLE SCHMIDT 45	1:11.49 CHARLOTTE DAVIS 45
30.63 NANCY RENO 40	59.22 LAURA VAL 92	1:00.31 CELESTE MILLER 46	1:13.78 MARTI BETZ 46
31.46 SUSAN HALFACRE 43	1:00.06 LAURA VAL 44	1:00.60 CHARLOTTE DAVIS 45	1:14.78 KATHRINE CASEY 47
100 YD. BACK WOMEN 40-44	1:02.42 DEBBIE FLANSBURG 40	1:01.77 P.KAWAKAMI 45	1:15.10 JUDY LEE 46
1:01.38 LAURA VAL 96	1:02.83 CAMILLE THOMPSON 41	1:01.97 CECILIA MCCLOSKEY 46	1:15.55 JEANNIE MITCHELL 49
1:01.38 LAURA VAL 44	1:03.86 MARY ANN STEVENS 42	1:02.08 F.WILLIAMSON 48	1:16.31 HOLLY MACMURRAY 45
1:04.32 NANCY FISHER 44	1:04.41 SUSAN HALFACRE 43	1:03.59 TERRY SUE GAULT 45	1:16.74 P.KAWAKAMI 45
1:04.77 KAREN FARNSWORTH 40	1:05.68 ELAINE FINCHAM 40	1:03.63 ANN LYTTLE 48	200 YD. BACK WOMEN 45-49
1:05.01 JANE ZIEGLER 42	1:06.62 ANDRA JAUNZEME 43	1:03.66 SHARON WISE 49	2:22.64 CECILA MCCLOSKEY 96
1:05.80 NANCY RENO 40	1:06.66 KARLENE WISE 42	1:04.05 P.HALSEY-SHERMAN 49	2:22.64 CECILIA MCCLOSKEY 46
1:05.83 CAROLE SHIGAKI 40	1:06.82 MELON DASH 41	200 YD. FREE WOMEN 45-49	2:27.54 JONELLE SCHMIDT 45
1:06.43 DIANE MORINI 43	1:07.21 R.BRITTINGHAM 44	2:05.71 ARDETH MUELLER 88	2:39.13 RUTH SHAPS 48
1:06.54 KATHY GUINN 41	200 YD. FLY WOMEN 40-44	2:09.45 CELESTE MILLER 46	2:42.41 MARTI BETZ 46
1:06.66 JOEL FELDMANN 44	2:11.08 LAURA VAL 92	2:09.66 JONELLE SCHMIDT 45	2:42.83 JUDY LEE 46
1:08.01 MARY ANN STEVENS 42	2:12.54 LAURA VAL 44	2:10.00 BARBARA DUNBAR 47	2:44.13 KATHRINE CASEY 47
200 YD. BACK WOMEN 40-44	2:15.98 DEBBIE FLANSBURG 40	2:15.06 F.WILLIAMSON 48	2:45.55 JEANNIE MITCHELL 49
2:17.23 KAREN FARNSWORTH 96	2:18.99 CAMILLE THOMPSON 41	2:16.67 P.KAWAKAMI 45	2:46.53 PHYLLIS SPRINGER 46
2:17.23 KAREN FARNSWORTH 40	2:22.01 MARY ANN STEVENS 42	2:18.64 ANN LYTTLE 48	2:46.87 GINGER PIERSON 49
2:19.12 LAURA VAL 44	2:29.41 ELAINE FINCHAM 40	2:20.24 SHARON WISE 49	2:48.21 SUSAN BEHLER 46
2:21.12 NANCY FISHER 44	2:30.46 JOANNE WAINWRIGHT 40	2:20.55 MARCIA BARRY 47	50 YD. BRST WOMEN 45-49
2:22.86 JANE ZIEGLER 42	2:32.08 DENISE EVERITT 42	2:20.89 ANNE GRAMS 48	32.82 SUSAN ROY 94
2:23.17 NANCY RENO 40	2:32.68 MELON DASH 41	2:21.32 TERRY SUE GAULT 45	34.13 A.WRIGHT-BELKNAP 45
2:23.73 KATHY GUINN 41	2:33.22 KARLENE WISE 42	500 YD. FREE WOMEN 45-49	35.23 GINGER PIERSON 49
2:28.28 MARY ANN STEVENS 42	2:33.62 LAURIE SAMUELSON 40	5:36.53 BARBARA DUNBAR 94	36.29 HOLLY MACMURRAY 45
2:30.87 BARB GUNDRED 44	100 YD. I.M. WOMEN 40-44	5:38.70 BARBARA DUNBAR 47	36.98 M.MILANO-MOREY 45
2:31.78 A JAUNZEME 43	1:03.05 S.NEILSON-BELL 96	5:46.31 CELESTE MILLER 46	37.20 MARGUERITE HANSEN 46

# TOP TEN - SHORT COURSE YARDS

37.34 KATHRINE CASEY 47	1:14.93 KATHRINE CASEY 47	1000 YD. FREE WOMEN 50-54	1:16.56 CAROLYN BOAK 51
37.49 GERRE JONES 47	1:15.07 ANN LYTTLE 48	12:04.45 ARDETH MUELLER 94	1:20.08 ELAINE BROMWICH 52
37.90 JOZEFA MUSZYNSKI 49	200 YD. I.M. WOMEN 45-49	13:21.14 MARCY WOODROW 52	1:23.04 NANCY BROOKS 52
38.12 MEEGAN WILSON 47	2:24.53 ARDETH MUELLER 88	14:00.66 BARBARA FRID 54	1:23.63 DANIELA BARNEA 51
38.13 SALLY DILLON 49	2:25.19 CECILIA MCCLOSKEY 46	14:04.81 MARY POHLMANN 51	1:24.99 MAUREEN KIKUT 51
100 YD. BRST WOMEN 45-49	2:27.21 JONELLE SCHMIDT 45	14:16.92 ANN SVANSON 50	1:26.17 CAROL LAIRD 53
1:11.83 SUSAN ROY 94	2:29.94 CELESTE MILLER 46	14:18.71 KAREN AYDELOTT 50	1:27.01 BETSY DURRANT 54
1:17.57 A.WRIGHT-BELKNAP 45	2:34.10 CHARLOTTE DAVIS 45	14:20.02 SUSAN GARFIN 53	1:27.31 MARGE BURLEY 50
1:17.69 GINGER PIERSON 49	2:36.16 BARBARA DUNBAR 46	14:39.92 VICKI BUCCINO 50	1:28.07 BEA HACKETT 51
1:18.86 HOLLY MACMURRAY 45	2:37.78 STEPHANIE WALSH 46	14:48.08 GINGER PIERSON 50	200 YD. BRST WOMEN 50-54
1:20.91 STEPHANIE WALSH 46	2:38.07 P.KAWAKAMI 45	14:56.72 CORNELIA LOVETTE 52	2:45.26 GINGER PIERSON 96
1:21.36 MEEGAN WILSON 47	2:39.10 RUTH SHAPS 48	15:08.68 SARA SACHS 50	2:45.26 GINGER PIERSON 50
1:21.46 GERRE JONES 47	2:41.64 GINGER PIERSON 49	1650 YD. FREE WOMEN 50-54	2:50.63 CAROLYN BOAK 51
1:21.59 MARGUERITE HANSEN 46	2:42.03 JUDY LEE 46	20:08.79 ARDETH MUELLER 92	2:55.23 ELAINE BROMWICH 52
1:22.81 JEANNETTE BAUER 46	400 YD. I.M. WOMEN 45-49	21:58.05 MARCY WOODROW 53	3:01.04 DANIELA BARNEA 51
1:22.87 SALLY DILLON 49	5:10.24 ARDETH MUELLER 87	22:32.07 NANCY RIDOUT 54	3:05.27 MAUREEN KIKUT 51
1:23.37 JOZEFA MUSZYNSKI 49	5:20.69 BARBARA DUNBAR 47	23:13.83 SUSAN GARFIN 53	3:06.99 NANCY BROOKS 52
200 YD. BRST WOMEN 45-49	5:33.35 STEPHANIE WALSH 46	23:29.33 KAREN AYDELOTT 50	3:08.27 MARGE BURLEY 50
2:38.38 SUSAN ROY 94	5:42.57 TERRY SUE GAULT 45	23:29.55 BARBARA FRID 53	3:10.65 CAROL LAIRD 53
2:50.10 GINGER PIERSON 49	5:43.33 P.KAWAKAMI 45	24:11.29 MARY POHLMANN 51	3:12.15 BETSY DURRANT 54
2:50.81 HOLLY MACMURRAY 45	5:46.49 ANNE GRAMS 48	24:21.37 VICKI BUCCINO 50	3:12.71 AAGJE CARON 54
2:52.78 STEPHANIE WALSH 46	5:51.23 GINGER PIERSON 49	24:27.53 BETSY DURRANT 54	50 YD. FLY WOMEN 50-54
2:54.78 A.WRIGHT-BELKNAP 45	5:51.42 JUDY LEE 46	24:30.00 CAROLYN MAGEE 50	28.64 DIANA TODD TAFT 94
2:56.63 MEEGAN WILSON 47	6:00.74 CATHY MANCINO 46	25:49.50 SALLY ILIFF 50	30.86 DIANA TODD 52
3:01.07 LESLIE TREAT 47	6:02.05 CHRISTINE ZIMMET 48	50 YD. BACK WOMEN 50-54	30.98 NANCY RIDOUT 54
3:04.83 LYNN CARTEE 48	6:04.87 MARTI BETZ 46	32.66 BETTY BENNETT 94	31.55 JUDY REED 52
3:05.34 KATHRINE CASEY 47	*****	33.80 BETTY BENNETT 52	32.08 GINGER PIERSON 50
3:05.43 NANCY MILLER 46	50 YD. FREE WOMEN 50-54	34.81 GINGER PIERSON 50	32.23 CAROLYN BOAK 50
3:05.53 JEAN WOOD 48	27.02 DIANE TODD 94	35.39 JUDY REED 52	32.33 MARGE BURLEY 50
50 YD. FLY WOMEN 45-49	27.66 NANCY RIDOUT 54	35.44 EVELYN HAUSBERGER 51	32.44 SARAH BROUGHER 54
28.26 ARDETH MUELLER 88	27.91 JUDY REED 52	36.43 MARY POHLMANN 51	33.20 BETTY BENNETT 52
29.28 CECILIA MCCLOSKEY 46	28.09 DIANA TODD 52	36.46 J.CHASTAIN-ARVIDS 50	33.20 BARBARA FRID 54
30.16 CHARLOTTE DAVIS 45	28.81 CAROLYN BOAK 50	36.95 CAROL LAIRD 53	34.20 CAROLYN MAGEE 50
30.64 SUZANNE COOPER 46	29.14 CYNTHIA O'HARE 52	37.52 JACKIE MARR 52	100 YD. FLY WOMEN 50-54
30.82 ANNE GRAMS 48	29.45 GINGER PIERSON 50	37.66 BETSY DURRANT 54	1:05.69 ARDETH MUELLER 92
30.93 RUTH SHAPS 48	29.69 JACKIE MARR 52	37.66 PINKY WALKER 53	1:10.88 DIANA TODD 52
31.19 SHARON WISE 49	30.17 BETTY BENNETT 52	100 YD. BACK WOMEN 50-54	1:11.85 ARDETH MUELLER 54
31.26 TERRY GAULT 45	30.51 EVELYN HAUSBERGER 51	1:10.58 BETTY BENNETT 94	1:13.13 NANCY RIDOUT 54
31.28 BARBARA DUNBAR 46	30.58 MARGE BURLEY 50	1:13.75 BETTY BENNETT 52	1:14.35 GINGER PIERSON 50
31.65 M.MILANO-MOREY 45	100 YD. FREE WOMEN 50-54	1:14.33 GINGER PIERSON 50	1:18.83 JACKIE MARR 52
31.84 JUDY LEE 46	59.05 ARDETH MUELLER 93	1:17.51 JACKIE MARR 52	1:19.35 CAROLYN MAGEE 50
100 YD. FLY WOMEN 45-49	1:01.41 NANCY RIDOUT 54	1:18.11 JUDY REED 52	1:24.56 MARY POHLMANN 51
1:03.08 ARDETH MUELLER 88	1:01.94 JUDY REED 52	1:18.14 EVELYN HAUSBERGER 51	1:26.32 KATHLEEN DANFORD 52
1:08.83 TERRY GAULT 45	1:02.52 CAROLYN BOAK 50	1:19.38 MARY POHLMANN 51	1:27.59 NANCY KRANPITZ 51
1:09.06 BARBARA DUNBAR 46	1:04.18 DIANA TODD 52	1:20.26 JUDY MARTIN 53	1:28.85 JACKIE MURPHY 52
1:09.41 ANNE GRAMS 48	1:06.01 CYNTHIA O'HARE 52	1:20.62 J.CHASTAIN-ARVIDS 50	200 YD. FLY WOMEN 50-54
1:09.58 STEPHANIE WALSH 46	1:06.41 GINGER PIERSON 50	1:20.87 BARBARA FRID 54	2:25.73 ARDETH MUELLER 92
1:10.96 JUDY LEE 46	1:06.66 MARCY WOODROW 52	1:22.96 CAROL LAIRD 53	2:42.74 GINGER PIERSON 50
1:11.95 SHARON WISE 49	1:08.07 EVELYN HAUSBERGER 51	200 YD. BACK WOMEN 50-54	2:58.01 JACKIE MARR 52
1:13.90 CATHERINE QUILL 46	1:10.28 SUSAN GARFIN 53	2:37.19 BETTY BENNETT 94	2:58.49 CAROLYN MAGEE 50
1:15.46 SANDI ROUSSEAU 48	1:10.83 BETTY DUGAN 54	2:40.21 BETTY BENNETT 52	3:01.95 ELAINE BROMWICH 52
1:15.55 CATHY MANCINO 46	200 YD. FREE WOMEN 50-54	2:44.36 GINGER PIERSON 50	3:13.34 MARY POHLMANN 51
1:16.78 B.EDELMAIER 49	2:11.99 ARDETH MUELLER 94	2:46.73 JACKIE MARR 52	3:15.32 SALLY ILIFF 50
200 YD. FLY WOMEN 45-49	2:18.72 CAROLYN BOAK 50	2:50.36 MARY POHLMANN 51	3:15.82 CAROLYN BEHSE 52
2:20.14 ARDETH MUELLER 88	2:18.83 NANCY RIDOUT 54	2:50.46 EVELYN HAUSBERGER 51	3:17.75 NANCY KRANPITZ 51
2:32.79 BARBARA DUNBAR 47	2:19.22 ARDETH MUELLER 54	2:56.87 J.CHASTAIN-ARVIDS 50	3:21.28 EVELYN HAUSBERGER 51
2:36.21 TERRY GAULT 45	2:22.06 JUDY REED 52	2:57.26 JUDY MARTIN 53	3:29.24 TRISH LEWIS 50
2:38.96 CATHY MANCINO 46	2:25.43 JACKIE MARR 52	2:58.95 ANN SVANSON 50	100 YD. I.M. WOMEN 50-54
2:41.50 ANNE GRAMS 48	2:28.62 GINGER PIERSON 50	3:02.98 BETSY DURRANT 54	1:08.59 DIANA TODD 94
2:51.23 CATHERINE QUILL 46	2:28.86 EVELYN HAUSBERGER 51	3:04.28 CHRIS GILLIGAN 52	1:10.11 CAROLYN BOAK 51
2:52.20 GINGER PIERSON 49	2:29.66 BETTY BENNETT 52	50 YD. BRST WOMEN 50-54	1:11.63 GINGER PIERSON 50
2:54.30 VIKI ALTOMONTE 46	2:32.03 CYNTHIA O'HARE 52	34.89 DIANA TODD TAFT 94	1:13.33 DIANA TODD 52
2:55.47 CHRISTINE ZIMMET 47	2:32.55 SARAH BROUGHER 54	35.06 GINGER PIERSON 50	1:14.35 BETTY BENNETT 52
2:58.37 SUZANNE RAGUE 45	500 YD. FREE WOMEN 50-54	36.10 CAROLYN BOAK 50	1:15.44 NANCY RIDOUT 54
3:02.48 MARSH HEINIG 49	5:53.05 ARDETH MUELLER 92	36.80 ELAINE BROMWICH 52	1:16.56 JUDY REED 52
100 YD. I.M. WOMEN 45-49	6:06.19 CAROLYN BOAK 50	37.22 DIANA TODD 52	1:17.64 JACKIE MARR 52
1:07.25 SUSAN ROY 94	6:08.90 ARDETH MUELLER 54	37.36 NANCY BROOKS 53	1:17.86 MAUREEN KIKUT 51
1:07.91 CECILIA MCCLOSKEY 46	6:27.12 NANCY RIDOUT 54	38.52 DANIELA BARNEA 51	1:19.06 NANCY BROOKS 53
1:09.53 CHARLOTTE DAVIS 45	6:28.24 JACKIE MARR 52	38.93 MAUREEN KIKUT 51	1:19.39 MARGE BURLEY 50
1:10.08 CELESTE MILLER 46	6:28.78 MARCY WOODROW 52	39.41 BEA HACKETT 51	200 YD. I.M. WOMEN 50-54
1:13.36 SHARON WISE 49	6:47.35 MARY POHLMANN 51	39.45 JACKIE MURPHY 51	2:32.49 ARDETH MUELLER 94
1:13.60 HOLLY MACMURRAY 45	6:49.52 ELAINE BROMWICH 52	39.93 MARILYN BLISS 50	2:37.11 CAROLYN BOAK 51
1:13.70 RUTH SHAPS 48	6:57.28 CYNTHIA O'HARE 52	100 YD. BRST WOMEN 50-54	2:43.34 GINGER PIERSON 50
1:14.45 MARGUERITE HANSEN 46	6:58.71 BETSY DURRANT 54	1:15.73 GINGER PIERSON 96	2:44.13 JACKIE MARR 52
1:14.91 MARTI BETZ 46	6:59.31 SUSAN GARFIN 53	1:15.73 GINGER PIERSON 50	2:46.31 BETTY BENNETT 52

# TOP TEN - SHORT COURSE YARDS

2:53.74 ELAINE BROMWICH	52	14:48.08 BARBARA JORDAN	58	1:34.60 P.MCDOWELL-CRAMER	55	6:09.64 JOANN LEILICH	57
2:54.22 CYNTHIA O'HARE	52	14:49.85 SUSAN LIVINGSTON	57	200 YD. BRST WOMEN 55-59		6:23.59 SUSAN MUNN	57
2:54.86 EVELYN HAUSBERGER	51	15:02.07 BARBARA ZAREMSKI	58	2:55.76 JOANN LEILICH	94	6:28.45 SUSAN LIVINGSTON	57
2:54.98 MAUREEN KIKUT	51	15:14.59 SUSAN SPRINGER	57	3:00.63 JOANN LEILICH	57	6:33.27 BETSY JORDAN	59
2:56.62 MARY POHLMANN	51	1650 YD. FREE WOMEN 55-59		3:14.39 SALLY NEWELL	58	6:36.93 BARB ZAREMSKI	58
2:56.95 MARGE BURLEY	50	21:22.63 LAVELLE STOINOFF	89	3:15.90 MARGIT JEBE	57	6:44.57 CLAIRE O'BRIEN	57
400 YD. I.M. WOMEN 50-54		23:15.71 SUSAN MUNN	57	3:16.56 ELIZABETH JOHNSON	56	6:46.03 ELIZABETH JOHNSON	56
5:22.42 ARDETH MUELLER	92	23:50.43 SUSAN BRADLEY-COX	58	3:19.02 CAROL MACPHERSON	57	6:51.06 SUSAN SPRINGER	57
5:31.14 CAROLYN BOAK	50	23:53.69 CLAIRE O'BRIEN	57	3:22.22 J.G. PIPER	58	6:55.69 JANICE MILLER	57
5:50.03 GINGER PIERSON	50	24:07.16 JAYNE LAMBKE	56	3:23.63 M.VAN EVERY	55	7:06.35 MARYLOU SCHULZ	56
6:00.37 JACKIE MARR	52	24:43.88 SUSAN LIVINGSTON	57	3:25.00 P.MCDOWELL-CRAMER	55	*****	
6:03.07 ELAINE BROMWICH	52	25:08.80 BARBARA ZAREMSKI	58	3:25.75 BARBARA ZAREMSKI	58	50 YD. FREE WOMEN 60-64	
6:05.31 BETTY BENNETT	52	25:09.31 BETSY JORDAN	59	3:26.58 BETSY JORDAN	59	28.79 JAYNE BRUNER	95
6:07.27 CAROLYN MAGEE	50	25:29.97 SUSAN SPRINGER	57	50 YD. FLY WOMEN 55-59		29.02 JAYNE BRUNER	61
6:10.68 MARGE BURLEY	50	25:35.92 ELIZABETH JOHNSON	56	31.76 GAIL ROPER	85	30.69 JOHNNIE DETRICK	60
6:17.52 EVELYN HAUSBERGER	51	26:32.22 MARGIE HEINEMAN	58	35.52 JAYNE LAMBKE	56	31.84 DORIS KLITZKE	60
6:20.47 ANN SVANSON	50	50 YD. BACK WOMEN 55-59		35.76 BETSY JORDAN	58	31.93 BEVERLY MYERS	60
6:28.25 MARY POHLMANN	51	32.97 BETSY JORDAN	93	35.95 JEANNE LITTLE	59	32.12 RONNIE KAMPHAUSEN	61
*****		34.48 BETSY JORDAN	59	37.33 LYNNE LUND	55	32.68 DIANE STOWELL	61
50 YD. FREE WOMEN 55-59		36.73 LESLIE SMITH	55	37.50 JOANN LEILICH	57	32.69 LAVELLE STOINOFF	62
28.03 JAYNE BRUNER	90	37.31 BARBARA JORDAN	58	37.64 MARY PAT MOELLER	55	33.09 ANN KAY	62
30.51 JAYNE LAMBKE	56	38.71 JOANN LEILICH	57	38.13 JUDY BENDORF	56	33.23 DIANE REED	64
30.58 LESLIE SMITH	55	39.20 CEIL BLACKWELL	55	38.30 MARGIE HEINEMAN	58	33.34 BARBARA JOHNSON	63
31.38 JEANNE LITTLE	59	39.95 SUSAN LIVINGSTON	57	38.38 S LIVINGSTON	57	100 YD. FREE WOMEN 60-64	
31.76 CLAIRE O'BRIEN	57	40.18 M.VAN EVERY	55	38.60 MIDGE KRAETZER	57	1:05.73 JAYNE BRUNER	96
31.90 CAROL MACPHERSON	57	40.25 CLAIRE O'BRIEN	57	100 YD. FLY WOMEN 55-59		1:05.73 JAYNE BRUNER	61
32.01 SALLY NEWELL	58	40.96 JAYNE LAMBKE	56	1:15.18 JAYNE BRUNER	91	1:09.58 LAVELLE STOINOFF	63
32.16 BARB ZAREMSKI	58	41.21 JUDY KENNEDY	58	1:23.28 LYNNE LUND	55	1:09.63 JOHNNIE DETRICK	60
32.24 SUSAN BRADLEY-COX	58	100 YD. BACK WOMEN 55-59		1:23.63 JAYNE LAMBKE	56	1:11.21 RONNIE KAMPHAUSEN	61
32.74 BETSY JORDAN	58	1:11.11 BETSY JORDAN	92	1:25.72 JOANN LEILICH	56	1:11.48 DIANE STOWELL	62
33.03 MIDGE KRAETZER	57	1:17.29 BETSY JORDAN	59	1:27.26 MIDGE KRAETZER	57	1:13.31 ANN KAY	61
100 YD. FREE WOMEN 55-59		1:20.32 BARBARA JORDAN	58	1:28.01 BETSY JORDAN	58	1:14.10 DIANE REED	64
1:02.38 JAYNE BRUNER	90	1:23.31 CAROL MACPHERSON	57	1:29.20 LUCILLE GRIFFIN	57	1:14.15 BEVERLY MYERS	60
1:06.92 JAYNE LAMBKE	56	1:23.62 NANCY BROWN	59	1:30.60 MARGIT JEBE	57	1:17.10 DENA MANN	64
1:08.75 CAROL MACPHERSON	57	1:23.97 SUSAN LIVINGSTON	57	1:32.48 S LIVINGSTON	57	1:17.41 JEAN FOX	61
1:09.72 LESLIE SMITH	55	1:26.34 CEIL BLACKWELL	55	1:34.17 JEANNE LITTLE	59	200 YD. FREE WOMEN 60-64	
1:10.07 SUSAN BRADLEY-COX	58	1:28.04 LYNNE LUND	55	1:34.56 MARGIE HEINEMAN	58	2:25.85 LAVELLE STOINOFF	95
1:10.64 CLAIRE O'BRIEN	57	1:28.70 LUCILLE GRIFFIN	57	200 YD. FLY WOMEN 55-59		2:29.16 LAVELLE STOINOFF	63
1:11.02 JEANNE LITTLE	59	1:28.73 SUSAN SPRINGER	57	2:51.18 GAIL ROPER	86	2:35.42 JAYNE BRUNER	61
1:11.93 BETSY JORDAN	58	1:28.87 JOANN LEILICH	56	3:12.56 NANCY BROWN	59	2:37.17 DIANE STOWELL	61
1:12.61 JOANN LEILICH	57	200 YD. BACK WOMEN 55-59		3:16.67 JAYNE LAMBKE	56	2:38.69 RONNIE KAMPHAUSEN	61
1:14.71 SALLY NEWELL	58	2:34.80 BETSY JORDAN	92	3:18.01 BETSY JORDAN	58	2:40.01 ANN KAY	62
1:15.10 ANN MCDONNELL	57	2:46.33 BETSY JORDAN	59	3:19.03 SUSAN LIVINGSTON	57	2:46.85 BEVERLY MYERS	60
200 YD. FREE WOMEN 55-59		2:52.93 BARBARA JORDAN	58	3:19.06 JOANN LEILICH	57	2:48.52 ANNE MCGUIRE	61
2:22.66 LAVELLE STOINOFF	88	2:57.48 NANCY BROWN	59	3:22.15 MARILYN RAMEY	55	2:49.42 JOHNNIE DETRICK	60
2:31.32 JAYNE LAMBKE	56	2:59.24 SUSAN LIVINGSTON	57	3:25.85 JANICE MILLER	57	2:50.39 DENA MANN	64
2:33.75 SUSAN MUNN	57	3:05.47 JOANN LEILICH	57	3:31.87 ELIZABETH JOHNSON	56	2:52.21 DIANE REED	64
2:33.97 CLAIRE O'BRIEN	57	3:07.13 JAYNE LAMBKE	56	3:32.09 MIDGE KRAETZER	57	500 YD. FREE WOMEN 60-64	
2:34.28 CAROL MACPHERSON	57	3:08.00 CEIL BLACKWELL	55	3:33.13 LUCILLE GRIFFIN	57	6:22.62 LAVELLE STOINOFF	93
2:36.74 SUSAN BRADLEY-COX	58	3:08.99 SUSAN MUNN	57	100 YD. I.M. WOMEN 55-59		6:40.81 LAVELLE STOINOFF	62
2:39.11 BETSY JORDAN	59	3:10.55 LUCILLE GRIFFIN	57	1:12.56 JAYNE BRUNER	92	6:59.81 NANCY BROWN	60
2:40.19 BARBARA JORDAN	58	3:11.64 SUSAN SPRINGER	57	1:19.16 LESLIE SMITH	55	7:08.71 JAYNE BRUNER	61
2:41.89 JEANNE LITTLE	59	50 YD. BRST WOMEN 55-59		1:20.25 JOANN LEILICH	57	7:09.34 RONNIE KAMPHAUSEN	61
2:42.69 JOANN LEILICH	56	35.16 JAYNE BRUNER	91	1:20.43 BETSY JORDAN	58	7:25.30 ANNE MCGUIRE	61
2:42.83 BARBARA ZAREMSKI	58	37.47 JOANN LEILICH	57	1:22.44 NANCY BROWN	59	7:34.77 TESSIE BRANSCOMB	60
500 YD. FREE WOMEN 55-59		39.83 SALLY NEWELL	58	1:22.88 SUSAN MUNN	57	7:34.83 BEVERLY MYERS	60
6:09.83 LAVELLE STOINOFF	88	40.97 MARGIT JEBE	57	1:23.00 CLAIRE O'BRIEN	57	7:37.48 CLARINE ANDERSON	60
6:47.77 SUSAN MUNN	57	41.08 LESLIE SMITH	55	1:23.14 JAYNE LAMBKE	56	7:41.99 DIANE REED	64
6:48.85 JAYNE LAMBKE	56	41.46 DOROTHY BURKE	55	1:23.95 CEIL BLACKWELL	55	7:47.05 DONNA MONROE	62
6:50.86 CAROL MACPHERSON	57	41.64 M.VAN EVERY	55	1:24.53 MARGIT JEBE	57	1000 YD. FREE WOMEN 60-64	
6:53.74 SUSAN BRADLEY-COX	58	41.78 MARGIE HEINEMAN	58	1:25.63 LYNNE LUND	55	13:12.73 LAVELLE STOINOFF	93
6:56.53 BETSY JORDAN	58	41.98 J.G. PIPER	58	200 YD. I.M. WOMEN 55-59		13:42.85 LAVELLE STOINOFF	63
7:00.53 CLAIRE O'BRIEN	57	42.30 ELIZABETH JOHNSON	56	2:44.30 BETSY JORDAN	92	14:19.72 NANCY BROWN	60
7:09.87 BARBARA JORDAN	58	43.07 CAROL MACPHERSON	57	2:53.25 BETSY JORDAN	59	14:45.13 RONNIE KAMPHAUSEN	62
7:11.13 BARB ZAREMSKI	58	100 YD. BRST WOMEN 55-59		2:57.91 SUSAN MUNN	57	15:02.26 ANNE MCGUIRE	61
7:16.50 JOANN LEILICH	57	1:18.52 JAYNE BRUNER	91	2:59.64 NANCY BROWN	59	15:12.74 BEVERLY MYERS	60
7:25.03 SUSAN SPRINGER	57	1:22.36 JOANN LEILICH	57	2:59.81 JOANN LEILICH	57	15:14.05 CLARINE ANDERSON	60
1000 YD. FREE WOMEN 55-59		1:27.96 MARGIT JEBE	57	3:05.76 SUSAN LIVINGSTON	57	15:20.11 TESSIE BRANSCOMB	60
12:45.02 LAVELLE STOINOFF	88	1:28.58 SALLY NEWELL	58	3:06.85 MARGIT JEBE	57	16:02.51 DONNA MONROE	62
13:43.98 SUSAN BRADLEY-COX	58	1:28.86 DOROTHY BURKE	55	3:08.28 JAYNE LAMBKE	56	16:13.15 BARBARA CALLISON	63
14:01.90 CAROL MACPHERSON	57	1:29.89 CAROL MACPHERSON	57	3:08.79 CLAIRE O'BRIEN	57	16:18.34 JOHNNIE DETRICK	60
14:06.58 SUSAN MUNN	57	1:31.02 ELIZABETH JOHNSON	56	3:09.59 LYNNE LUND	55	1650 YD. FREE WOMEN 60-64	
14:15.03 CLAIRE O'BRIEN	57	1:32.39 J.G. PIPER	59	3:10.05 BARB ZAREMSKI	58	22:13.13 LAVELLE STOINOFF	93
14:25.07 BETSY JORDAN	59	1:32.67 M.VAN EVERY	55	400 YD. I.M. WOMEN 55-59		22:47.10 LAVELLE STOINOFF	63
14:30.36 JOANN LEILICH	57	1:32.99 SUSAN MUNN	57	5:54.24 NANCY BROWN	91	23:38.25 NANCY BROWN	60



# TOP TEN - SHORT COURSE YARDS

24:08.32	DIANE STOWELL	61	3:19.94	JOHNNIE DETRICK	60	7:16.61	LILLY KRON	63	50	YD. BACK WOMEN 65-69
25:33.51	ANNE MCGUIRE	61	3:21.47	LILLY KRON	63	7:36.21	MARIA YUNDEL	64	36:03	CLARA WALKER
25:39.59	TESSIE BRANSCOMB	60	3:28.62	BARBARA CALLISON	63	*****			39.24	JUDY CHADIMA
26:42.35	DONNA MONROE	62	3:34.91	ANN JOHNSEN	60	50	YD. FREE WOMEN 65-69		40.28	CYNTHIA BRUCE
27:41.22	KATE KNIGHT-PERRY	60	3:39.53	JOAN ALEXANDER	64	30.52	GAIL ROPER	96	40.62	NANCY MACBETH
27:46.22	BARBARA CALLISON	63	50	YD. FLY WOMEN 60-64		30.52	GAIL ROPER	66	42.26	DELLA SEHORN
28:52.27	A ATWOOD	60	33.07	JAYNE BRUNER	95	31.80	MARGARET TIMMINS	65	43.42	JUNE KRAUSER
30:18.66	MARTY BARRY	63	33.82	JAYNE BRUNER	61	33.26	DIANE REED	65	44.56	SYLVIA EISELE
50	YD. BACK WOMEN 60-64		36.23	ANN KAY	62	33.98	NANCY MACBETH	67	45.14	JILL COLEMAN
35.27	CLARA WALKER	91	37.41	RONNIE KAMPHAUSEN	61	34.21	JEAN TROY	68	45.25	ANN HIRSCH
36.61	JAYNE BRUNER	61	37.44	BEVERLY MYERS	60	34.34	CYNTHIA BRUCE	67	45.62	DIANE REED
37.31	NANCY BROWN	60	37.88	BARBARA CALLISON	63	34.82	JUNE KRAUSER	69	46.05	NAN BOHL
38.68	BEVERLY MYERS	60	38.38	DORIS KLITZKE	60	36.02	DELLA SEHORN	68	100	YD. BACK WOMEN 65-69
38.77	ANN CHAMP	60	39.15	ANNE MCGUIRE	61	36.31	BERNA BENNETT	68	1:21.36	CLARA WALKER
38.88	ANN KAY	62	40.24	DIANE STOWELL	61	36.33	JOAN CAMPBELL	66	1:28.33	GAIL ROPER
39.26	DORIS KLITZKE	60	41.81	JEAN FOX	61	100	YD. FREE WOMEN 65-69		1:31.09	NANCY MACBETH
39.50	RONNIE KAMPHAUSEN	61	42.19	ADRIENNE PIPES	61	1:08.78	GAIL ROPER	96	1:32.57	JUNE KRAUSER
40.38	SUZANNE ROBBINS	62	100	YD. FLY WOMEN 60-64		1:08.78	GAIL ROPER	66	1:33.36	CYNTHIA BRUCE
40.43	DOROTHY WHITEHEAD	60	1:20.63	JAYNE BRUNER	95	1:13.79	DIANE REED	65	1:34.06	DELLA SEHORN
40.48	LAVELLE STOINOFF	62	1:24.39	JAYNE BRUNER	61	1:16.15	JEAN TROY	68	1:34.35	JUDY CHADIMA
100	YD. BACK WOMEN 60-64		1:27.72	ANNE MCGUIRE	61	1:17.26	NANCY MACBETH	67	1:37.86	ANN HIRSCH
1:17.94	CLARA WALKER	91	1:30.13	DORIS KLITZKE	60	1:17.63	JUNE KRAUSER	69	1:38.74	SYLVIA EISELE
1:21.27	ANN CHAMP	60	1:33.02	BARBARA CALLISON	63	1:20.11	ANN HIRSCH	65	1:39.44	JILL COLEMAN
1:21.48	JAYNE BRUNER	61	1:33.94	DIANE STOWELL	61	1:23.01	MALCHIA OLSHAN	65	1:40.61	JOAN MCINTYRE
1:22.82	NANCY BROWN	60	1:37.04	JOAN ALEXANDER	64	1:23.39	DELLA SEHORN	68	200	YD. BACK WOMEN 65-69
1:24.16	BEVERLY MYERS	60	1:40.89	ANN JOHNSEN	60	1:24.01	ANITA HAZEN	68	2:58.87	CLARA WALKER
1:26.54	ANN KAY	62	1:45.71	D EDELBAUM	62	1:24.09	JOAN CAMPBELL	66	3:08.13	GAIL ROPER
1:27.63	DIANE STOWELL	61	1:49.70	JANET MOELLER	61	200	YD. FREE WOMEN 65-69		3:11.94	NANCY MACBETH
1:27.72	DORIS KLITZKE	60	1:49.84	SHIRLEY BEHELER	61	2:34.79	GAIL ROPER	96	3:16.48	JUNE KRAUSER
1:29.63	DOROTHY WHITEHEAD	60	200	YD. FLY WOMEN 60-64		2:34.79	GAIL ROPER	66	3:23.19	DELLA SEHORN
1:30.74	SUZANNE ROBBINS	62	3:06.99	NANCY BROWN	96	2:44.31	JUNE KRAUSER	69	3:25.06	JUDY CHADIMA
1:32.69	DENA MANN	64	3:06.99	NANCY BROWN	60	2:45.48	JEAN TROY	68	3:26.23	SYLVIA EISELE
200	YD. BACK WOMEN 60-64		3:14.24	ANNE MCGUIRE	61	2:48.48	DIANE REED	65	3:33.00	ANN HIRSCH
2:51.80	LAVELLE STOINOFF	95	3:28.51	DIANE STOWELL	61	2:54.45	ANN HIRSCH	65	3:35.67	PATRICIA DOTSON
2:52.67	ANN CHAMP	60	3:36.82	JOAN ALEXANDER	64	2:58.89	MALCHIA OLSHAN	65	3:36.37	JOAN MCINTYRE
2:53.30	NANCY BROWN	60	3:52.53	BARBARA CALLISON	63	3:02.70	ANITA HAZEN	68	3:38.40	NANCY DURSTEIN
2:54.23	LAVELLE STOINOFF	63	3:53.54	DORIS PROKOPI	60	3:06.12	JUDY CHADIMA	65	50	YD. BRST WOMEN 65-69
3:01.47	ANN KAY	62	3:56.62	D EDELBAUM	62	3:06.29	BETTY BARABASH	67	40.79	CLARA WALKER
3:05.26	JAYNE BRUNER	61	4:18.10	A ATWOOD	60	3:07.99	JOAN CAMPBELL	66	41.61	ANN HIRSCH
3:05.74	DIANE STOWELL	61	4:37.95	NANCY MCPHEE	62	500	YD. FREE WOMEN 65-69		42.42	CAROL TAYLOR
3:06.81	RONNIE KAMPHAUSEN	61	5:16.07	RUTH HERTZBERG	63	6:49.80	CLARA WALKER	92	42.79	GAIL ROPER
3:16.12	DOROTHY WHITEHEAD	60	100	YD. I.M. WOMEN 60-64		7:08.14	GAIL ROPER	66	43.29	CLARA WALKER
3:23.60	BARBARA CALLISON	63	1:17.38	JAYNE BRUNER	95	7:16.01	JUNE KRAUSER	69	43.34	SYLVIA EISELE
3:26.23	SUZANNE ROBBINS	62	1:20.00	JAYNE BRUNER	61	7:30.26	DIANE REED	65	45.67	JUNE KRAUSER
50	YD. BRST WOMEN 60-64		1:21.77	BEVERLY MYERS	60	7:30.58	JEAN TROY	68	46.44	JOAN MORRIS
37.66	JAYNE BRUNER	94	1:22.48	DIANE STOWELL	62	7:42.14	ANN HIRSCH	65	48.12	MICKY SHOCKLEY
37.30	JAYNE BRUNER	61NV	1:23.61	DORIS KLITZKE	60	7:50.26	MALCHIA OLSHAN	65	48.75	SUZANNE GRAHAM
39.95	ANNE MCGUIRE	61	1:23.90	LAVELLE STOINOFF	62	7:57.55	ANITA HAZEN	67	49.69	DELLA SEHORN
40.08	JOHNNIE DETRICK	60	1:25.31	RONNIE KAMPHAUSEN	61	8:04.78	BETTY RUSS	68	100	YD. BRST WOMEN 65-69
41.77	DIANE STOWELL	61	1:26.86	ANN KAY	62	8:10.89	BETTY BARABASH	67	1:29.00	CLARA WALKER
41.88	BEVERLY MYERS	60	1:27.28	ANNE MCGUIRE	61	8:13.53	NANCY DURSTEIN	66	1:31.87	ANN HIRSCH
43.92	IDA SMITH	62	1:27.32	BARBARA CALLISON	63	1000	YD. FREE WOMEN 65-69		1:34.70	CAROL TAYLOR
43.92	LILLY KRON	63	1:33.39	JEAN GARBUS	61	14:04.18	CLARA WALKER	93	1:35.78	SYLVIA EISELE
44.16	IRMA REIMER	64	200	YD. I.M. WOMEN 60-64		14:44.17	GAIL ROPER	66	1:36.55	CLARA WALKER
44.32	M HOMANS	63	2:52.50	CLARA WALKER	91	14:59.91	JUNE KRAUSER	69	1:37.36	JUNE KRAUSER
44.79	BEVERLY TUCKER	61	2:57.43	JAYNE BRUNER	61	15:39.45	JEAN TROY	68	1:41.40	JOAN MORRIS
100	YD. BRST WOMEN 60-64		2:59.97	DIANE STOWELL	62	16:00.14	ANN HIRSCH	65	1:44.68	MICKY SHOCKLEY
1:24.84	JAYNE BRUNER	96	3:00.53	BEVERLY MYERS	60	16:33.05	ANITA HAZEN	68	1:47.84	SUZANNE GRAHAM
1:24.84	JAYNE BRUNER	61	3:06.03	RONNIE KAMPHAUSEN	61	16:41.84	CAROL TAYLOR	66	1:48.05	JOAN CAMPBELL
1:28.26	JOHNNIE DETRICK	60	3:08.77	ANNE MCGUIRE	61	16:50.18	NANCY DURSTEIN	66	1:51.04	JILL COLEMAN
1:28.51	ANNE MCGUIRE	61	3:08.94	DORIS KLITZKE	60	17:01.30	BETTY BARABASH	67	200	YD. BRST WOMEN 65-69
1:32.98	DIANE STOWELL	61	3:10.63	BARBARA CALLISON	63	17:16.73	JOAN CAMPBELL	65	3:15.96	CLARA WALKER
1:33.64	LILLY KRON	63	3:11.93	ANN STEVENS	62	17:18.97	ALICE LAWRENCE	66	3:18.23	ANN HIRSCH
1:35.32	BARBARA CALLISON	63	3:27.35	JOAN ALEXANDER	64	1650	YD. FREE WOMEN 65-69		3:21.39	GAIL ROPER
1:37.43	IDA SMITH	62	3:29.43	JEAN GARBUS	61	23:46.31	CLARA WALKER	93	3:26.39	SYLVIA EISELE
1:37.55	CINDY BAXTER	63	400	YD. I.M. WOMEN 60-64		24:48.67	JUNE KRAUSER	69	3:28.06	JUNE KRAUSER
1:37.56	IRMA REIMER	64	6:14.54	NANCY BROWN	96	25:08.90	GAIL ROPER	66	3:31.26	CAROL TAYLOR
1:38.65	ANN JOHNSEN	60	6:14.54	NANCY BROWN	60	26:25.85	MALCHIA OLSHAN	65	3:45.94	MICKY SHOCKLEY
200	YD. BRST WOMEN 60-64		6:26.18	JAYNE BRUNER	61	27:03.67	ANN HIRSCH	65	3:51.20	BARB OWENS
3:03.44	JAYNE BRUNER	96	6:36.81	DIANE STOWELL	61	27:44.30	NANCY DURSTEIN	66	3:51.67	JOAN CAMPBELL
3:03.44	JAYNE BRUNER	61	6:38.34	ANNE MCGUIRE	61	28:18.68	ANITA HAZEN	68	3:57.11	BUNNY DAWSON
3:11.61	ANNE MCGUIRE	61	6:38.72	R KAMPHAUSEN	61	28:30.65	ALICE LAWRENCE	66	4:05.73	HANNELORE SNYDER
3:13.85	LAVELLE STOINOFF	63	6:56.25	BARBARA CALLISON	63	28:56.89	RUTH AARON	67	50	YD. FLY WOMEN 65-69
3:13.96	DIANE STOWELL	61	7:08.31	JOHNNIE DETRICK	60	29:01.75	BETTY RUSS	68	34.45	GAIL ROPER
3:19.75	BEVERLY MYERS	60	7:16.38	JOAN ALEXANDER	64	29:11.43	PARKIE COPELAND	66	34.45	GAIL ROPER

# TOP TEN - SHORT COURSE YARDS

39.58 JUNE KRAUSER 69	37.18 JEANNE MERRYMAN 73	45.30 MARGE BOWDON 72	52.46 PETEY SMITH 71
40.94 NANCY MACBETH 67	37.25 DOROTHY DONNELLY 74	45.58 DORIS MCEWAN 71	100 YD. FLY WOMEN 70-74
42.03 PATRICIA DOTSON 69	37.36 RUTH BAAR 73	45.98 M.J. AMSBARY 70	1:39.32 LOIS NOCHMAN 95
42.93 ANN HIRSCH 65	37.45 MARGE BOWDON 72	46.23 LOIS NOCHMAN 71	1:45.36 LOIS NOCHMAN 71
43.08 DELLA SEHORN 68	37.62 ELLA CARMICHAEL 72	100 YD. BACK WOMEN 70-74	1:49.68 FLORENCE CARR 70
43.69 CAROL TAYLOR 67	38.00 LOIS NOCHMAN 71	1:24.70 DORIS STEADMAN 95	1:54.02 DIANA SILVA 73
43.72 SYLVIA EISELE 66	38.20 DORIS MCEWAN 71	1:26.19 DORIS STEADMAN 71	1:59.25 RUTH MANFREDI 72
44.02 JEAN TROY 68	100 YD. FREE WOMEN 70-74	1:39.79 BUNNY CEDERLUND 74	2:00.23 JAE HOWELL 73
44.06 CYNTHIA BRUCE 67	1:15.98 DOROTHY DONNELLY 92	1:40.34 JEANNE MERRYMAN 73	2:00.29 JUNE REYNOLDS 74
100 YD. FLY WOMEN 65-69	1:16.87 PETEY MH SMITH 71	1:41.20 M.J. AMSBARY 70	2:03.18 BETTY DUNN 70
1:23.49 GAIL ROPER 96	1:17.31 FLORENCE CARR 70	1:41.71 PATSY WEISS 73	2:11.84 MARY WIXTED 73
1:23.49 GAIL ROPER 66	1:19.44 MARGERY MEYER 73	1:41.76 LOIS NOCHMAN 71	2:11.84 GLADYS OLSEN 70
1:28.43 JUNE KRAUSER 69	1:24.44 DOROTHY DONNELLY 74	1:41.84 DIANA SILVA 74	2:13.09 GRACE ALTUS 72
1:32.53 ANN HIRSCH 65	1:25.28 RUTH BAAR 73	1:42.57 DORIS MCEWAN 71	200 YD. FLY WOMEN 70-74
1:40.18 SYLVIA EISELE 66	1:25.77 JEANNE MERRYMAN 73	1:42.67 C.WILLIAMS 71	3:41.61 LOIS NOCHMAN 95
1:40.73 CAROL TAYLOR 67	1:26.21 DORIS MCEWAN 71	1:44.07 SARAH ALLNUTT 71	3:51.41 LOIS NOCHMAN 71
1:40.96 JEAN TROY 68	1:28.30 ELLA CARMICHAEL 72	200 YD. BACK WOMEN 70-74	4:12.00 DIANA SILVA 74
1:48.84 ANN DALLAM 65	1:29.51 BARBARA BOLEY 71	3:10.78 DORIS STEADMAN 95	4:16.54 JAE HOWELL 73
1:55.74 ELFRIEDE ROGERS 68	1:31.02 LOIS NOCHMAN 71	3:11.04 DORIS STEADMAN 71	4:22.58 JUNE REYNOLDS 73
1:59.90 ANGIE SINACORE 65	200 YD. FREE WOMEN 70-74	3:28.98 PETEY SMITH 71	4:27.90 GLADYS OLSEN 70
2:00.06 BETTY MC MILLAN 67	2:51.42 PETEY MH SMITH 93	3:31.96 LOIS NOCHMAN 71	4:37.98 B BOLEY 71
200 YD. FLY WOMEN 65-69	2:50.05 PETEY MH SMITH 71NV	3:38.31 MARGERY MEYER 73	6:43.48 ELFIE STEVENIN 74
3:11.22 JUNE KRAUSER 94	2:54.49 FLORENCE CARR 70	3:38.72 BUNNY CEDERLUND 74	100 YD. I.M. WOMEN 70-74
3:13.15 JUNE KRAUSER 69	2:54.92 MARGERY MEYER 73	3:45.58 JEANNE MERRYMAN 73	1:29.37 FLORENCE CARR 95
3:17.94 GAIL ROPER 66	3:08.43 RUTH BAAR 73	3:46.21 C.WILLIAMS 71	1:29.37 FLORENCE CARR 70
3:30.01 ANN HIRSCH 65	3:15.77 RUTH MANFREDI 71	3:47.45 DIANA SILVA 74	1:35.41 DORIS MCEWAN 71
3:38.36 JEAN TROY 68	3:16.01 LOIS NOCHMAN 70	3:47.74 NAN BLACKLEDGE 71	1:35.57 LOIS NOCHMAN 70
3:42.35 SYLVIA EISELE 66	3:16.04 ELLA CARMICHAEL 72	3:50.75 M.J. AMSBARY 70	1:42.45 DIANA SILVA 73
3:48.33 MALCHIA OLSHAN 65	3:16.55 BETTY CHRISTIAN 73	50 YD. BRST WOMEN 70-74	1:43.60 JEANNE MERRYMAN 73
3:53.55 CAROL TAYLOR 66	3:18.12 DOROTHY DONNELLY 74	43.90 BETTY CHRISTIAN 93	1:44.72 C.WILLIAMS 71
4:02.51 NANCY DURSTEIN 66	3:18.89 BARBARA BOLEY 71	45.51 M.J. AMSBARY 70	1:44.99 PATSY WEISS 73
4:20.19 ELFRIEDE ROGERS 68	500 YD. FREE WOMEN 70-74	45.88 ALICIA COLEMAN 70	1:45.01 PETEY SMITH 71
4:20.89 GLADYS OLSEN 69	7:42.57 PETEY MH SMITH 95	46.73 BETTY CHRISTIAN 73	1:45.66 DOROTHY DONNELLY 74
100 YD. I.M. WOMEN 65-69	7:43.30 PETEY MH SMITH 71	46.95 FLORENCE CARR 70	1:45.80 ALICIA COLEMAN 70
1:19.21 GAIL ROPER 96	7:50.18 MARGERY MEYER 73	47.87 LOIS NOCHMAN 70	200 YD. I.M. WOMEN 70-74
1:19.21 GAIL ROPER 66	7:55.52 FLORENCE CARR 70	48.41 DORIS MCEWAN 71	3:31.04 DOROTHY DONNELLY 92
1:26.71 JUNE KRAUSER 69	8:35.96 GRACE ALTUS 72	50.25 JAE HOWELL 72	3:26.12 FLORENCE CARR 70NV
1:28.55 NANCY MACBETH 67	8:46.56 BARBARA BOLEY 71	50.31 MIRIAM TUOVILA 70	3:32.25 LOIS NOCHMAN 70
1:28.74 ANN HIRSCH 65	8:51.11 LOIS NOCHMAN 70	50.42 PATSY WEISS 73	3:43.83 JOAN WAYNE 70
1:32.66 JEAN TROY 68	8:57.63 NAN BLACKLEDGE 71	52.36 ESTHER PELLETIER 71	3:46.20 PETEY SMITH 71
1:32.75 CYNTHIA BRUCE 67	9:02.45 CLARA SOTAK 71	100 YD. BRST WOMEN 70-74	3:48.42 MARGERY MEYER 73
1:33.23 DELLA SEHORN 68	9:05.92 ELLA CARMICHAEL 72	1:39.18 BETTY CHRISTIAN 92	3:49.65 C.WILLIAMS 71
1:33.54 DIANE REED 65	9:12.67 MAJORIE STONE 72	1:42.67 M.J. AMSBARY 70	3:51.79 ELLA CARMICHAEL 72
1:34.09 BETTY RUSS 68	1000 YD. FREE WOMEN 70-74	1:43.32 BETTY CHRISTIAN 74	3:54.73 ALICIA COLEMAN 70
1:35.20 SYLVIA EISELE 66	15:53.86 PETEY MH SMITH 95	1:47.66 DORIS MCEWAN 71	4:00.77 NAN BLACKLEDGE 71
200 YD. I.M. WOMEN 65-69	16:03.88 MARGERY MEYER 73	1:47.88 ALICIA COLEMAN 70	4:01.66 DIANA SILVA 73
2:54.51 CLARA WALKER 92	16:05.48 PETEY MH SMITH 71	1:48.44 LOIS NOCHMAN 71	400 YD. I.M. WOMEN 70-74
2:56.89 GAIL ROPER 66	17:10.34 FLORENCE CARR 70	1:49.72 FLORENCE CARR 70	7:31.72 LOIS NOCHMAN 95
3:08.93 JUNE KRAUSER 69	18:08.42 LOIS NOCHMAN 71	1:52.79 MURIEL FLYNN 73	7:41.25 LOIS NOCHMAN 71
3:12.90 NANCY MACBETH 67	18:40.84 BARBARA BOLEY 71	1:53.08 JOAN WAYNE 70	7:53.59 FLORENCE CARR 70
3:16.02 ANN HIRSCH 65	18:47.65 NAN BLACKLEDGE 71	1:54.72 MIRIAM TUOVILA 70	8:15.28 RUTH MANFREDI 72
3:23.46 DELLA SEHORN 68	19:18.23 CLARA SOTAK 71	1:55.69 JAE HOWELL 73	8:18.00 DIANA SILVA 73
3:23.59 JEAN TROY 68	19:23.57 BUNNY CEDERLUND 74	200 YD. BRST WOMEN 70-74	8:24.09 JAE HOWELL 73
3:24.58 CAROL TAYLOR 67	19:39.75 SYLVIA HILL 74	3:36.00 BETTY CHRISTIAN 92	8:27.16 MARGERY MEYER 73
3:31.91 DIANE REED 65	20:30.38 M NEWMAN 72	3:48.12 M.J. AMSBARY 70	8:58.63 JUNE REYNOLDS 74
3:31.92 BETTY RUSS 68	1650 YD. FREE WOMEN 70-74	3:49.80 LOIS NOCHMAN 71	9:02.47 GLADYS OLSEN 70
3:40.00 PATRICIA DOTSON 69	26:39.20 MARGERY MEYER 96	3:53.39 BETTY CHRISTIAN 74	9:59.67 M NEWMAN 72
400 YD. I.M. WOMEN 65-69	26:21.16 PETEY MH SMITH 71NV	4:05.08 PATSY WEISS 73	10:38.85 CAROL KNEPP 70
6:24.09 CLARA WALKER 93	26:39.20 MARGERY MEYER 73	4:06.53 MURIEL FLYNN 72	*****
6:30.01 JUNE KRAUSER 69	27:56.95 FLORENCE CARR 70	4:11.45 GLADYS OLSEN 70	50 YD. FREE WOMEN 75-79
6:56.53 ANN HIRSCH 65	29:13.26 GRACE ALTUS 72	4:11.73 JAE HOWELL 73	36.17 LENORE WINGARD 87
7:07.08 NANCY MACBETH 67	29:30.06 RUTH MANFREDI 72	4:16.18 MIRIAM TUOVILA 70	39.31 SUE MARVEL 76
7:15.83 JEAN TROY 68	29:38.45 LOIS NOCHMAN 71	4:28.33 NAN BLACKLEDGE 71	40.06 DORIS RUSSELL 75
7:17.92 CAROL TAYLOR 66	30:34.98 NAN BLACKLEDGE 71	4:33.09 JUNE REYNOLDS 74	40.75 B.ANN BURRILL 75
7:18.82 SYLVIA EISELE 66	32:41.80 SYLVIA HILL 74	50 YD. FLY WOMEN 70-74	41.22 MARJORIE SHARPE 79
7:29.74 BETTY RUSS 68	35:58.73 JANE ROSSELL 73	39.95 LOIS NOCHMAN 95	41.95 AUDREY ETIENNE 79
7:33.05 MALCHIA OLSHAN 65	36:32.75 BEA HEIM 70	41.12 FLORENCE CARR 70	42.51 RITA EVANS 76
7:41.26 NANCY DURSTEIN 66	50 YD. BACK WOMEN 70-74	41.19 LOIS KIVI NOCHMAN 71	43.41 BETTY KENDALL 75
8:16.17 JILL COLEMAN 65	38.00 DORIS STEADMAN 95	46.88 BETTY KERCEVAL 71	45.11 BETTY BRERETON 77
*****	38.36 DORIS STEADMAN 71	46.91 JOAN WAYNE 70	45.24 MARGARET NAGLE 79
50 YD. FREE WOMEN 70-74	41.79 BUNNY CEDERLUND 74	47.51 C.WILLIAMS 71	46.25 NATE O'CONNELL 79
33.44 DOROTHY DONNELLY 94	42.43 MARGERY MEYER 73	48.16 DIANA SILVA 74	100 YD. FREE WOMEN 75-79
33.67 FLORENCE CARR 70	43.64 FLORENCE CARR 70	48.82 DORIS MCEWAN 71	1:21.57 LENORE WINGARD 86
34.68 PETEY MH SMITH 71	44.72 JEANNE MERRYMAN 72	49.07 JEANNE MERRYMAN 73	1:27.48 SUE MARVEL 76
36.58 MARGERY MEYER 73	44.84 BETTY CHRISTIAN 74	50.27 ALICIA COLEMAN 70	1:30.65 MARJORIE SHARPE 79



# TOP TEN - SHORT COURSE YARDS

4:42.55	JEAN DURSTON	96	100 YD. FREE WOMEN 85-89	8:23.54	SALLY SCOTT	88	48.72	CASEY PEARCE	24		
4:42.55	JEAN DURSTON	81	1:45.80	JULIA DOLCE	95	400 YD. I.M. WOMEN 85-89	48.89	DANIEL WEGNER	24		
5:36.19	HELEN ROUMASSET	80	2:07.96	PATIENCE MILLER	85	12:00.94	JEWEL COOKE	95	48.96	ROSS FELDMAN	23
6:08.14	HILDA BUEL	82	2:12.95	AILEEN SOULE	89	12:18.61	JEWEL COOKE	87	49.29	KENT ANDERSON	24
6:21.03	MARY WENTWORTH	80	2:22.91	ELLEN TAIT	85	12:50.48	EDIE GOLDMAN	85	200 YD. FREE M E N 19-24		
6:37.06	HELENA HOFFMAN	80	2:29.20	EDITH HENDRY	85	19:22.06	SALLY SCOTT	88	1:41.34	BRAD WINSOR	96
6:40.89	ANNE WILDER	82	3:01.92	SALLY SCOTT	88	*****			1:41.34	BRAD WINSOR	24
7:44.21	HEDY PULLMAN	84	200 YD. FREE WOMEN 85-89	4:08.61	JULIA DOLCE	95	50 YD. FREE WOMEN 90-94	1:43.58	CHRISTOPHER ROAT	21	
50 YD. FLY WOMEN 80-84			4:08.61	JULIA DOLCE	95	49.68	AILEEN SOULE	96	1:46.29	PAUL FRANCO	22
56.60	MARIA LENK	95	4:59.90	PATIENCE MILLER	85	49.68	AILEEN SOULE	90	1:46.85	K.PAOMAHANAKA	19
1:00.96	JEAN DURSTON	81	5:12.09	ELLEN TAIT	85	2:04.99	MAMIE BROWN	91	1:47.04	NICK O'HARE	23
1:11.61	HELEN ROUMASSET	80	5:34.46	EDITH HENDRY	85	100 YD. FREE WOMEN 90-94			1:47.14	LUKE WILLIAMS	23
1:14.14	MARIE KELLEHER	83	7:09.47	SALLY SCOTT	88	2:12.13	AILEEN SOULE	96	1:47.77	C BARRETT	24
1:15.85	ANNE WILDER	82	500 YD. FREE WOMEN 85-89			2:12.13	AILEEN SOULE	90	1:49.28	ERIC PETERSON	24
1:23.47	IVY BROWNE	80	11:24.79	JULIA DOLCE	95	3:17.62	ANNA BAUSCHER	93	1:49.40	STEVEN SAKADALES	23
1:23.49	HILDA BUEL	82	12:13.13	ELLEN TAIT	85	200 YD. FREE WOMEN 90-94			1:49.48	DANIEL WEGNER	24
1:24.01	EVA MULLER	83	16:25.98	SALLY SCOTT	88	4:56.80	AILEEN SOULE	96	500 YD. FREE M E N 19-24		
1:30.76	HELENA HOFFMAN	80	1000 YD. FREE WOMEN 85-89			4:56.80	AILEEN SOULE	90	4:33.88	BRAD WINSOR	96
1:42.57	BETTY TAYLOR	80	24:04.52	JULIA DOLCE	95	6:47.41	ANNA BAUSCHER	93	4:33.88	BRAD WINSOR	24
1:50.26	BUZ CATLIN	81	NO SWIMMERS			500 YD. FREE WOMEN 90-94			4:48.62	CHRISTOPHER ROAT	21
100 YD. FLY WOMEN 80-84			1650 YD. FREE WOMEN 85-89			15:48.03	ANNA BAUSCHER	92	4:53.48	PAUL FRANCO	22
2:11.60	JEAN DURSTON	95	50:54.73	ELLA PECKHAM	85	16:57.86	ANNA BAUSCHER	93	4:54.24	MATTHEW GRAHN	23
2:15.21	JEAN DURSTON	81	NO SWIMMERS			1000 YD. FREE WOMEN 90-94			4:54.90	LUKE WILLIAMS	23
2:40.24	HELEN ROUMASSET	80	50 YD. BACK WOMEN 85-89			32:53.76	ANNA BAUSCHER	93	4:55.30	ERIC PETERSON	24
2:48.15	MARY WENTWORTH	80	49.59	AILEEN SOULE	91	NO SWIMMERS			4:59.41	C BARRETT	24
2:53.90	HELENA HOFFMAN	80	1:06.58	EDITH HENDRY	85	50 YD. BACK WOMEN 90-94			5:02.98	JACK TAYLOR	22
2:54.86	ANNE WILDER	82	1:09.51	EDIE GOLDMAN	85	1:01.93	AILEEN SOULE	96	5:04.09	STEVEN SAKADALES	23
3:32.80	HILDA BUEL	82	1:10.83	JEWEL COOKE	87	1:01.93	AILEEN SOULE	90	5:05.26	CHRIS REDDAM	23
200 YD. FLY WOMEN 80-84			1:18.55	SALLY SCOTT	88	2:09.05	MAMIE BROWN	91	1000 YD. FREE M E N 19-24		
4:40.17	JEAN DURSTON	95	1:26.51	PATIENCE MILLER	85	100 YD. BACK WOMEN 90-94			9:29.54	BRAD WINSOR	96
4:49.01	JEAN DURSTON	81	1:28.76	ELIZABETH DZADUS	85	2:14.66	AILEEN SOULE	96	9:29.54	BRAD WINSOR	24
5:57.64	MARY WENTWORTH	80	2:11.37	G HIDDLESON	87	2:14.66	AILEEN SOULE	90	10:14.07	ERIC BURTON	21
6:25.98	ANNE WILDER	82	100 YD. BACK WOMEN 85-89			200 YD. BACK WOMEN 90-94			10:15.36	LUKE WILLIAMS	23
7:18.45	HELENA HOFFMAN	80	1:55.84	AILEEN SOULE	91	4:42.55	AILEEN SOULE	96	10:39.27	TODD RADEL	23
100 YD. I.M. WOMEN 80-84			2:34.43	EDITH HENDRY	85	4:42.55	AILEEN SOULE	90	10:50.24	BEN MORSE	24
1:53.57	MARIA LENK	95	2:58.00	SALLY SCOTT	88	50 YD. BRST WOMEN 90-94			10:54.67	SEAN BONITO	19
2:03.27	JEAN DURSTON	81	3:16.85	PATIENCE MILLER	85	2:26.52	LUELLA TYRA	84	11:02.56	MARCO CAMPAGNA	24
2:20.54	HELEN ROUMASSET	80	200 YD. BACK WOMEN 85-89			NO SWIMMERS			11:06.84	MICHAEL LEMONS	24
2:24.74	MARIE KELLEHER	83	4:09.33	AILEEN SOULE	91	100 YD. BRST WOMEN 90-94			11:07.35	JEROME SNEED	24
2:51.70	MARIE HEIKKINEN	84	4:39.43	AILEEN SOULE	89	5:30.32	LUELLA TYRA	83	11:13.40	JOHN CASTELLANO	24
2:53.92	PEARL SOBEL	84	5:25.75	SALLY SCOTT	88	NO SWIMMERS			1650 YD. FREE M E N 19-24		
2:57.11	ANNE WILDER	82	5:50.82	EDITH HENDRY	85	200 YD. BRST WOMEN 90-94			16:20.39	BRAD WINSOR	96
2:58.63	BUZ CATLIN	81	50 YD. BRST WOMEN 85-89			11:48.36	LUELLA TYRA	83	16:20.39	BRAD WINSOR	24
3:03.25	HELENA HOFFMAN	80	1:04.39	MARTI GOGNIAT	96	NO SWIMMERS			16:55.53	ERIC PETERSON	24
3:03.79	BETTY TAYLOR	80	1:20.75	PATIENCE MILLER	85	50 YD. FLY WOMEN 90-94			16:55.99	MATTHEW GRAHN	23
3:20.37	RUTH RIDENOUR	81	1:24.26	EDIE GOLDMAN	85	3:47.79	ANNA BAUSCHER	93	17:44.33	BRAD BUDNEY	24
200 YD. I.M. WOMEN 80-84			2:05.78	SALLY SCOTT	88	NO SWIMMERS			17:49.13	JOHN CASTELLANO	24
4:14.08	MARIA LENK	95	2:26.42	G HIDDLESON	87	100 YD. I.M. WOMEN 90-94			17:57.42	BEN MORSE	24
4:25.27	JEAN DURSTON	81	100 YD. BRST WOMEN 85-89			5:05.96	ANNA BAUSCHER	93	18:17.01	MARCO CAMPAGNA	24
5:07.72	HELEN ROUMASSET	80	2:46.49	MADELEINE MILLER	96	NO SWIMMERS			18:29.96	JEROME SNEED	24
5:17.52	EVA MULLER	83	3:39.95	PATIENCE MILLER	85	200 YD. I.M. WOMEN 90-94			18:32.67	MICHAEL LEMONS	24
5:20.94	MARIE KELLEHER	83	5:18.65	G HIDDLESON	87	10:43.74	ANNA BAUSCHER	93	18:43.35	CHRIS YORK	19
5:46.32	MARY WENTWORTH	80	200 YD. BRST WOMEN 85-89			NO SWIMMERS			50 YD. BACK M E N 19-24		
6:07.80	ANNE WILDER	82	6:12.44	KATHERINE PELTON	91	*****			23.44	JEFF THIBAUT	95
6:25.28	HELENA HOFFMAN	80	9:41.45	SALLY SCOTT	88	*****			24.28	TIMOTHY O'MARA	24
6:45.98	HILDA BUEL	82	50 YD. FLY WOMEN 85-89			50 YD. FREE M E N 19-24			24.30	BRAD BUNDEY	24
6:49.39	PEARL SOBEL	84	1:16.00	ELLA PECKHAM	85	20.25	ERIC MAUER	94	24.67	JEFFREY FELTZER	24
400 YD. I.M. WOMEN 80-84			1:19.17	EDIE GOLDMAN	85	21.01	ED WAGNER	24	25.51	CHRIS JOHN	23
8:59.27	JEAN DURSTON	95	2:07.17	PATIENCE MILLER	85	21.15	GARY HALL JR.	21	25.56	BRAD BUDNEY	24
9:15.48	JEAN DURSTON	81	100 YD. FLY WOMEN 85-89			21.23	DWIGHT FENTON	24	25.66	GEOFF CRONIN	24
11:03.17	HELEN ROUMASSET	80	3:01.71	ELLA PECKHAM	84	21.23	CHRISTOPHER ROAT	21	26.03	SETH REETZ	24
11:43.39	MARY WENTWORTH	80	6:21.25	SALLY SCOTT	88	21.68	NICK O'HARE	23	26.07	SEAN GOULDSON	23
13:31.21	ANNE WILDER	82	200 YD. FLY WOMEN 85-89			21.82	JASON BAKER	23	26.20	CHESTER LOY	20
13:31.72	HELENA HOFFMAN	80	6:39.85	KATHERINE PELTON	91	21.96	JASON HANSEN	22	26.30	YUSUKE BANNAI	24
*****			13:17.96	SALLY SCOTT	88	22.12	SHANNON TUCKER	24	100 YD. BACK M E N 19-24		
50 YD. FREE WOMEN 85-89			100 YD. I.M. WOMEN 85-89			22.22	K.PAOMAHANAKA	19	50.58	JEFF THIBAUT	95
45.72	JULIA DOLCE	95	2:40.44	EDIE GOLDMAN	96	22.24	BILLY CLARATY	20	53.60	BRAD BUNDEY	24
53.86	AILEEN SOULE	89	2:40.42	JEWEL COOKE	87NV	100 YD. FREE M E N 19-24			53.77	SEAN GOULDSON	23
55.73	PATIENCE MILLER	85	2:40.44	EDIE GOLDMAN	85	45.11	ERIC MAUER	94	54.51	ERIC BURTON	21
1:01.06	ELLEN TAIT	85	3:02.37	PATIENCE MILLER	85	46.61	CHRISTOPHER ROAT	21	54.99	SETH REETZ	24
1:01.95	EDIE GOLDMAN	85	3:59.51	SALLY SCOTT	88	46.63	GARY HALL JR.	21	55.62	BRAD WINSOR	24
1:04.76	EDITH HENDRY	85	200 YD. I.M. WOMEN 85-89			46.80	DWIGHT FENTON	24	55.90	CHRIS JOHN	23
1:30.12	SALLY SCOTT	88	5:38.74	JEWEL COOKE	95	47.74	NICK O'HARE	23	56.69	GREG KEYES	21
1:36.86	ELIZABETH DZIADUS	85	5:39.27	JEWEL COOKE	87	47.77	BRAD WINSOR	24	56.78	JOHN TOBEY	24
2:35.00	G HIDDLESON	87	5:52.00	EDIE GOLDMAN	85	48.65	JASON BAKER	23	57.39	CHRIS HORNE	23

# TOP TEN - SHORT COURSE YARDS

57.79 YUSUKE BANNAI 24	1:51.29 BRAD BUNDEY 24	1:41.40 JEFFREY UTSCH 28	1:58:88 MIKE GONZALES 29
200 YD. BACK M E N 19-24	1:58.48 CHRIS MACK 20	1:44.24 JASON NIELSEN 29	1:58.93 B.LICHTENWALTER 29
1:50.28 JOHN KEPPELER 92	1:59.05 KAREL-G SMIT 22	1:44.32 STEVE REED 27	2:00.10 ROBERT BERRY 28
1:54.21 TIMOTHY O'MARA 24	1:59.68 TIMOTHY O'MARA 24	1:45.57 JEFFREY RODGERS 29	2:00.16 CHIP HOBSON 28
2:00.45 BRAD WINSOR 24	2:00.27 LUKE WILLIAMS 23	1:45.95 RICK GRAVES 28	2:00.85 JAMES HAMRICK 25
2:01.12 GREG KEYES 21	2:01.18 TODD RADEL 23	1:46.18 BERT BERGEN 29	50 YD. BRST M E N 25-29
2:01.15 PAUL FRANCO 22	2:01.80 BRAD WINSOR 24	1:46.87 CHRIS BARRETT 25	25.34 GREG RHODENBAUGH 91
2:02.40 CHRIS REDDAM 23	2:02.46 CHRIS HORNE 23	1:47.01 JAMIE PATRICK 25	26.55 NEILL WILLIAMS 28
2:02.81 BRAD BUDNEY 24	2:03.46 JOHN TOBEY 24	500 YD. FREE M E N 25-29	27.01 JAMIE PATRICK 25
2:03.33 JOHN TOBEY 24	2:05.04 TRENTIN KRAUSS 19	4:30.25 CHIP HOBSON 94	27.14 JOE THOMAS 26
2:03.66 SETH REETZ 24	100 YD. I.M. M E N 19-24	4:33.72 JASON NIELSEN 29	27.16 ROQUE SANTOS 28
2:04.03 CHRIS HORNE 23	52.01 ADAM WERTH 92	4:33.88 JEFFREY UTSCH 28	27.38 GREG LARSON 26
2:07.75 MATT BOLES 23	54.68 BRAD BUNDEY 24	4:36.68 CHIP HOBSON 28	27.56 JAMES BERGEN 28
50 YD. BRST M E N 19-24	55.08 ED WAGNER 24	4:53.42 KEVIN CASSON 29	27.63 ABRAHAM SOLANO 26
26.14 BRUCE CROCK 96	56.09 JEFFREY FELTZER 24	4:54.43 STEVE REED 27	27.91 EVAN DAVIS 28
26.14 BRUCE CROCK 22	56.30 JASON HANSEN 22	4:54.46 JONATHAN MELTON 27	28.34 DAVID BAKER 26
26.95 TODD RADEL 23	56.40 JUSTIN SLADE 23	4:56.76 JAMES ELWYN 29	28.40 STEWART WEAVER 26
27.67 BILLY CLARATY 20	56.46 JACK THOMAS 24	4:57.58 MATT KELLER 26	100 YD. BRST M E N 25-29
27.79 DALE HOGGINS 23	56.55 DANIEL WEGNER 24	4:58.59 PAUL LOWENGRUB 25	56.21 DAVID LUNDBERG 90
28.03 ROB BUTCHER 23	56.56 SCOTT EVANS 24	5:00.02 NENAD RODIC 25	57.96 ROQUE SANTOS 28
28.07 ROBERT SMAYDA 19	56.73 VIJAY LATHI 23	1000 YD. FREE M E N 25-29	58.00 NEILL WILLIAMS 28
28.11 DARREN GORMAN 24	56.83 TODD RADEL 23	9:26.67 CHIP HOBSON 94	58.47 ABRAHAM SOLANO 26
28.43 JEFF FELTZER 24	200 YD. I.M. M E N 19-24	9:29.88 JEFFREY UTSCH 28	59.27 CARL ABRAMS 29
28.66 GUS SMYERS 20	1:52.82 SIMON PERCY 94	9:30.68 JASON NIELSEN 29	59.93 ROB LEYSHON 26
28.84 CHRIS REDDAM 23	1:58.01 TODD RADEL 23	10:18.14 ERIK MAURER 25	1:00.06 JAMIE PATRICK 25
100 YD. BRST M E N 19-24	1:59.25 BRAD WINSOR 24	10:18.61 JAY O'CONNOR 27	1:00.17 JOE THOMAS 26
57.85 TODD RADEL 95	2:01.22 CHRIS REDDAM 23	10:32.16 WILLIAM ZOLNA 26	1:00.93 JAMES BERGEN 28
58.25 TODD RADEL 23	2:01.79 K.PAOMAHANAKA 19	10:34.51 BRADLEY HECHT 26	1:01.37 JEFFREY RODDIN 27
1:00.29 BILLY CLARATY 20	2:02.85 C.BENEDICK 24	10:34.52 B.LICHTENWALTER 29	1:01.48 ANDREW KELLY 27
1:01.19 K.PAOMAHANAKA 19	2:04.97 DANIEL WEGNER 24	10:38.60 JAMES WOLFE 27	200 YD. BRST M E N 25-29
1:01.67 DALE HOGGINS 23	2:05.36 JACK THOMAS 24	10:39.23 JEFFREY RODDIN 27	2:03.69 DOUGLAS SOLTIS 88
1:01.72 ROB BUTCHER 23	2:05.88 JASON LINDO 22	10:39.33 JEFF JOTZ 26	2:05.31 ABRAHAM SOLANO 26
1:02.21 DARREN GORMAN 24	2:06.51 STEVE SAKADALES 23	1650 YD. FREE M E N 25-29	2:08.53 NEILL WILLIAMS 28
1:02.38 ROBERT SMAYDA 19	2:06.88 CHRIS HORNE 23	15:46.91 BOBBY PATTEN 90	2:14.38 ROB LEYSHON 26
1:02.45 CHRIS REDDAM 23	400 YD. I.M. M E N 19-24	16:08.69 JASON NIELSEN 29	2:16.57 BRIAN HAYES 28
1:02.46 GUS SMYERS 20	4:04.34 JOHN KEPPELER 92	17:43.34 P SMALL 26	2:17.51 DAVID BAKER 26
1:02.55 NATHAN LINSCHIED 23	4:12.08 BRAD WINSOR 24	17:55.80 JEFFREY RODDIN 27	2:19.08 DALE MERCKER 29
200 YD. BRST M E N 19-24	4:14.32 TODD RADEL 23	18:21.05 CARL ABRAMS 29	2:19.65 PHILLIP KING 29
2:06.35 TODD RADEL 96	4:22.63 C BARRETT 24	18:25.23 BRANDON CARTER 25	2:20.07 JEFF JOTZ 26
2:06.35 TODD RADEL 23	4:22.99 CHRIS REDDAM 23	18:27.69 TODD WALSH 26	2:20.10 BILL MATZ 28
2:08.63 BRUCE CROCK 22	4:26.35 ERIC BURTON 21	18:32.30 JEROME SNEED 25	2:20.50 MATTHEW KINNEY 25
2:12.12 CHRIS REDDAM 23	4:26.72 CHRIS HORNE 23	18:44.08 PAUL EURE 29	50 YD. FLY M E N 25-29
2:17.01 DALE HOGGINS 23	4:30.88 ADAM DAWKINS 20	18:47.34 ANDREW FARRELL 25	22.27 COY COBB 91
2:18.32 ROB BUTCHER 23	4:32.32 MATTHEW GRAHN 23	18:59.86 SCOTT SHEA 25	23.39 MARTIN HERRMANN 26
2:19.76 JACK THOMAS 24	4:35.46 ERIC PETERSON 24	50 YD. BACK M E N 25-29	23.52 TROY DALBEY 27
2:20.15 C BARRETT 24	4:38.43 JOSH BIRDSALL 22	23.21 MICHAEL KANNER 95	23.53 JOHN KEPPELER 28
2:22.28 DARREN GORMAN 24	*****	23.27 MICHAEL KANNER 27	23.58 JON PAUOLE 26
2:23.11 MICHAEL HOLTHE 23	50 YD. FREE M E N 25-29	23.87 GREG LARSON 26	23.62 ART SANCHEZ 25
2:23.53 ROBERT SCHAEFER 23	19.83 ROBERT PEEL 91	24.14 MARTIN HERRMANN 26	23.66 MAURICE STEWART 25
50 YD. FLY M E N 19-24	20.75 CHIP HOBSON 28	24.36 JOHN KEPPELER 28	23.71 RICK SHINNICK 29
22.64 ED RIDDLE 95	21.18 ART SANCHEZ 25	24.81 TROY DALBEY 27	23.79 CHRIS MAYFIELD 26
22.66 BRAD BUNDEY 24	21.36 JOE THOMAS 26	25.18 WILLIAM EVISON 28	23.88 ERIK MAURER 25
23.39 JASON HANSEN 22	21.37 TROY DALBEY 27	25.41 TIM VELASCO 29	23.97 STEVE REED 27
23.57 JASON BAKER 23	21.58 DAVID LAWSON 25	25.41 MIKE GONZALES 29	100 YD. FLY M E N 25-29
23.70 JEFFREY FELTZER 24	21.67 JOHN KEPPELER 28	25.43 DAVID LAWSON 25	49.71 STUART KNOWLES 91
23.93 K.PAOMAHANAKA 19	21.72 GREG LARSON 26	25.45 ERIK MAURER 25	50.71 MARTIN HERRMANN 26
24.03 BRIAN HOLM 24	21.73 KEITH MCKUNE 25	100 YD. BACK M E N 25-29	51.00 STEVE REED 27
24.31 KAREL-G SMIT 22	21.76 STEVE REED 27	49.83 ANDREW GILL 92	51.75 CHRIS MAYFIELD 26
24.33 SETH REETZ 24	21.80 TOM MONTOYA 29	50.47 JOHN KEPPELER 29	51.80 JEFFREY RODDIN 27
24.34 RC HANISCH 24	100 YD. FREE M E N 25-29	51.55 MARTIN HERRMANN 26	51.81 GAVIN HOLLES 29
24.34 JUSTIN SLADE 23	44.39 ROBERT PEEL 91	51.70 MICHAEL KANNER 27	51.85 ART SANCHEZ 25
100 YD. FLY M E N 19-24	45.41 JOHN KEPPELER 29	53.44 JEFF PRIOR 29	52.31 MICHAEL SORENSEN 28
49.91 BRAD BUNDEY 96	46.43 TROY DALBEY 27	54.01 JEFFREY RODDIN 27	52.61 KELLY HACKETT 25
49.91 BRAD BUNDEY 24	46.87 JEFF PRIOR 29	54.43 STEVE REED 27	52.73 WILLIAM ZOLNA 26
52.40 ED WAGNER 24	46.89 CHIP HOBSON 28	54.57 DARRELL GLASER 25	53.02 JEFFREY RODGERS 29
52.57 JASON BAKER 23	47.16 B.LICHTENWALTER 29	54.67 TIM VELASCO 29	200 YD. FLY M E N 25-29
52.61 KAREL-G SMIT 22	47.20 ANDREW BILLINGS 27	54.68 NEILL WILLIAMS 28	1:49.21 BOBBY PATTEN 90
52.88 K.PAOMAHANAKA 19	47.36 GREG LARSON 26	54.75 NENAD RODIC 25	1:52.69 STEVE REED 27
52.96 JASON HANSEN 22	47.39 STEVE REED 27	200 YD. BACK M E N 25-29	1:54.00 MARTIN HERRMANN 26
53.06 JOHN TOBEY 24	47.92 PAUL MCQUAID 25	1:48.47 JOHN KEPPELER 95	1:55.61 WILLIAM ZOLNA 26
53.09 BRAD WINSOR 24	48.07 KEITH MCKUNE 25	1:53.46 JEFF PRIOR 29	1:58.22 GAVIN HOLLES 29
53.49 JACK TAYLOR 22	200 YD. FREE M E N 25-29	1:53.51 MICHAEL KANNER 27	1:58.26 JAMES WOLFE 27
53.92 SETH REETZ 24	1:38.14 JOHN KEPPELER 96	1:56.85 RICK GRAVES 28	1:59.84 JEFFREY RODGERS 29
200 YD. FLY M E N 19-24	1:38.14 JOHN KEPPELER 28	1:57.59 NENAD RODIC 25	2:02.59 STEPHEN GRANT 26
1:51.04 STEVEN REED 93	1:41.18 CHIP HOBSON 28	1:58.38 JEFFREY RODDIN 27	2:03.34 KARL KRIEGSMANN 26

# TOP TEN - SHORT COURSE YARDS

2:03.71 WILLIAM COBB	25	500 YD. FREE M E N 30-34	27.32 JOHN MURPHY	32	54.90 TOM NORTHCUTT	30
2:04.71 DOUG FADEL	27	4:29.49 MATTHEW CETLINSKI	27.45 DAVE DOLL	32	54.90 PATRICK DUGGAN	32
100 YD. I.M. M E N 25-29		4:29.49 MATTHEW CETLINSKI	27.69 DAVID OLSON	32	55.18 BRIAN SCOTTOLINE	31
50.47 MOOK RHODENBAUGH	91	4:43.11 JUAN VALLEJO	27.80 TERRY DIXON	31	55.36 THOMAS REDIG	34
52.07 NEILL WILLIAMS	28	4:45.11 DENNIS TESCH	28.11 MATT McDONALD	34	55.55 RICHARD SWOBODA	30
52.97 JEFF PRIOR	29	4:45.84 DANIEL VEATCH	28.27 BORIS TALAN	30	55.63 ALEC CAMPBELL	30
53.79 ROQUE SANTOS	28	4:46.60 CHRISTOPHER BLACK	28.28 CHRISTOPHER BAKER	30	200 YD. I.M. M E N 30-34	
54.12 ANDREW BILLINGS	27	4:48.11 STEVEN FISHER	28.32 TOM NORTHCUTT	30	1:50.45 DAVID LUNDBERG	91
54.30 B.LICHTENWALTER	29	4:48.75 STEPHEN STAHL	28.43 ROB CHENAULT	33	1:56.31 STEVEN ENNIS	32
54.34 RICK GRAVES	28	4:51.13 MICHAEL MOORE	100 YD. BRST M E N 30-34		1:56.55 C.CAVANAUGH	33
54.78 JAMIE PATRICK	25	4:54.18 SEAN MURPHY	56.58 DAVID LUNDBERG	91	1:56.96 DANIEL VEATCH	30
55.06 JOHN KEPPELER	28	4:54.53 AVERY KINTNER	59.95 DAVE DOLL	32	1:57.53 JON BIDLMAN	30
55.06 ANDREW KELLY	27	1000 YD. FREE M E N 30-34	1:00.45 DIETRICH LAWRENCE	30	1:57.76 PATRICK DUGGAN	32
55.20 GAVIN HOLLES	29	9:34.15 JEFF ERWIN	1:00.52 JOHN MURPHY	32	1:57.95 MICHAEL GREEN	32
200 YD. I.M. M E N 25-29		9:43.17 JUAN VALLEJO	1:00.56 WALLY DICKS	33	1:58.47 CHRISTOPHER BLACK	30
1:52.02 JAN BIDRMAN	95	9:57.24 GERRY RODRIGUES	1:00.84 DAVID OLSON	32	1:59.31 DIETRICH LAWRENCE	30
1:52.58 JOHN KEPPELER	29	10:09.66 STEVEN FISHER	1:01.14 TERRY DIXON	31	1:59.62 GARY BINFIELD	30
1:54.88 JEFF PRIOR	29	10:10.39 CHRISTOPHE BLACK	1:01.39 TOM NORTHCUTT	30	1:59.92 DAVID CADEMATORI	30
1:57.04 NEILL WILLIAMS	28	10:19.11 DENNIS TESCH	1:01.72 RANDY COX	33	400 YD. I.M. M E N 30-34	
1:58.02 JEFFREY RODDIN	27	10:22.31 JOE VRUDNY	1:01.82 GEORGE MILLER	31	4:00.04 TOM FRISTOE	91
1:58.12 RICK GRAVES	28	10:25.84 JOHN SHEWELL	1:01.95 S.VANKUILENBURG	31	4:08.76 SEAN MURPHY	32
1:59.78 JAMIE PATRICK	25	10:30.19 DAVE SWENSON	200 YD. BRST M E N 30-34		4:11.41 CHRISTOPHER BLACK	30
2:00.03 GAVIN HOLLES	29	10:31.36 TIMOTHY NELSON	2:02.32 DAVID LUNDBERG	91	4:16.05 PATRICK DUGGAN	32
2:00.03 WILLIAM ZOLNA	26	10:31.88 MICHAEL MOORE	2:10.71 DIETRICH LAWRENCE	30	4:17.32 DENNIS TESCH	30
2:00.37 DOUG WAGNER	29	1650 YD. FREE M E N 30-34	2:11.84 PATRICK DUGGAN	32	4:18.23 C.CAVANAUGH	33
2:00.53 JAMES WOLFLE	27	15:51.57 JEFF ERWIN	2:13.17 JOHN MURPHY	32	4:21.18 DIETRICH LAWRENCE	30
400 YD. I.M. M E N 25-29		15:51.57 JEFF ERWIN	2:14.87 DAVE DOLL	32	4:22.05 JOE VRUDNY	31
3:59.73 CAMERON REID	88	16:15.70 DANIEL VEATCH	2:15.09 STEPHEN KIRKLAND	30	4:24.95 GERRY RODRIGUES	33
4:10.32 JASON NIELSEN	29	16:39.38 GREG HOLLES	2:15.98 WALLY DICKS	33	4:25.11 NIEL FISCHER	31
4:11.43 CHIP HOBSON	28	16:46.63 MICHAEL MOORE	2:16.84 TOM NORTHCUTT	30	4:25.20 STEVEN FISHER	33
4:13.51 RICK GRAVES	28	16:56.53 DIETRICH LAWRENCE	2:17.08 CHRISTOPHER BLACK	30	*****	
4:17.15 WILLIAM ZOLNA	26	16:58.10 CHRISTOPHE BLACK	2:17.32 NIEL FISCHER	31	50 YD. FREE M E N 35-39	
4:17.84 JEFFREY RODDIN	27	17:09.38 CHRIS MCGIFFIN	2:17.36 ROB CHENAULT	33	20.73 KEVIN DEFORREST	94
4:18.30 DOUG WAGNER	29	17:17.92 ROBERT HUDEK	50 YD. FLY M E N 30-34		21.45 KEVIN DEFORREST	37
4:18.90 KEVIN CASSON	29	17:19.64 AVERY KINTNER	22.52 STEPHEN CROCKER	96	21.89 CLAY BRITT	35
4:21.48 JAY O'CONNOR	27	17:23.34 BILL CASAZZA	22.52 STEPHEN CROCKER	33	22.17 JOHN RING	37
4:24.01 BRADLEY HECHT	26	50 YD. BACK M E N 30-34	23.29 GARY BINFIELD	30	22.24 KIRK KOZLOWSKI	38
4:25.26 JAMES WOLFLE	27	23.39 CLAY BRITT	23.62 BOBBY PATTEN	33	22.26 KEVIN LADD	35
*****		23.79 SEAN MURPHY	23.70 DOUGLAS BOYD	31	22.36 BRIAN CROWLEY	38
50 YD. FREE M E N 30-34		24.61 ANDERS RASMUSSEN	23.85 THOMAS REDIG	34	22.36 RANDY RANDOLPH	37
20.33 STEPHEN CROCKER	96	25.28 STEPHEN CROCKER	23.97 BRYANT LUM	34	22.40 JAMES LILLEY	35
20.33 STEPHEN CROCKER	33	25.30 RICHARD SHINNICK	24.16 PAUL FRENTSOS	34	22.43 TOM KATSOULEAS	38
21.17 DOUGLAS BOYD	31	25.40 PATRICK DUGGAN	24.17 ED GENDREAU	33	22.49 JEFF STUART	35
21.46 ANDERS RASMUSSEN	32	25.44 DAVID KASTIGAR	24.17 BRIAN SCOTTOLINE	31	22.49 SKIP GRANTHAM	35
21.46 CARR PHILLIPS	30	25.56 CARR PHILLIPS	24.34 BILL HARRIS	31	100 YD. FREE M E N 35-39	
21.47 MARK NOETZEL	33	25.70 JOE REINHARDT	100 YD. FLY M E N 30-34		46.43 STU MARVIN	91
21.66 C.CAVANAUGH	33	25.74 RICHARD SWOBODA	49.16 PETER EGAN	94	47.93 JAMES LILLEY	36
21.80 JAY MORRISSETTEE	32	25.96 CHRIS EMIG	50.25 STEPHEN CROCKER	33	48.29 ROBERT PLACAK	37
21.81 PAT KEATING	31	100 YD. BACK M E N 30-34	51.61 BOBBY PATTEN	33	48.65 TOM KATSOULEAS	38
21.81 JOE REINHARDT	34	50.21 CLAY BRITT	51.75 STEVEN ENNIS	32	48.70 JOHN RING	37
21.85 RANDY COX	33	51.33 SEAN MURPHY	52.40 EDMUND GENDREAU	33	48.89 KIRK KOZLOWSKI	38
100 YD. FREE M E N 30-34		52.79 ANDERS RASMUSSEN	53.02 ALEC CAMPBELL	30	48.99 JOSEPH TACK	38
45.06 STEPHEN CROCKER	96	53.47 DANIEL VEATCH	53.10 IGOR VAZHENIN	32	49.01 HOLDEN BANK	36
45.06 STEPHEN CROCKER	33	54.08 STEVEN ENNIS	53.24 PAUL FRENTSOS	34	49.11 SKIP GRANTHAM	35
45.57 DOUGLAS BOYD	31	54.94 DAVID KASTIGAR	53.59 THOMAS REDIG	34	49.15 CRAIG PETERSEN	36
46.76 MICHAEL GREEN	32	55.16 JOE REINHARDT	54.06 DAVID EVERHART	31	49.24 PETER NUNAN	38
46.79 ANDERS RASMUSSEN	32	55.16 RICHARD SWOBODA	54.07 RANDY COX	33	200 YD. FREE M E N 35-39	
46.85 C.CAVANAUGH	33	55.26 TOM NORTHCUTT	200 YD. FLY M E N 30-34		1:42.78 JAMES MONTGOMERY	90
47.41 STEPHEN STAHL	31	56.07 CHRIS EMIG	1:49.52 PETER EGAN	94	1:45.23 JAMES LILLEY	36
47.53 CARR PHILLIPS	30	56.23 JOE VRUDNY	1:56.23 JON BIDLMAN	30	1:46.08 MIKE KECK	36
47.86 THOMAS REDIG	34	200 YD. BACK M E N 30-34	1:56.34 BOBBY PATTEN	33	1:46.21 ROBERT PLACAK	37
47.91 STEVEN ENNIS	32	1:49.26 SEAN MURPHY	1:57.05 IGOR VAZHENIN	32	1:46.38 CRAIG PETERSEN	36
47.92 JAY MORRISSETTEE	32	1:49.26 SEAN MURPHY	1:58.32 EDMUND GENDREAU	33	1:47.16 BILL PALMER	35
200 YD. FREE M E N 30-34		1:54.42 STEVEN ENNIS	1:58.98 STEPHEN STAHL	31	1:49.39 JOHN LOWE	35
1:39.97 JIM MONTGOMERY	88	1:56.66 JON BIDLMAN	2:00.37 TOM NORTHCUTT	30	1:49.70 BOB EBERWINE	35
1:43.83 STEPHEN STAHL	31	1:58.03 DAVID KASTIGAR	2:02.83 STEPHEN LAIRD	30	1:50.09 HOLDEN BANK	36
1:43.97 JUAN VALLEJO	32	1:59.30 NIEL FISCHER	2:02.98 STEVEN FISHER	33	1:50.31 PAUL SIMS	35
1:44.35 MICHAEL GREEN	32	1:59.53 PATRICK DUGGAN	2:03.16 MATT STAUFFER	32	1:50.53 JOHN RING	37
1:44.54 IGOR VAZHENIN	32	1:59.55 DENNIS TESCH	2:03.62 VICTOR CASTILLO	31	1:50.53 RANDY RANDOLPH	37
1:45.70 BOBBY PATTEN	33	2:02.48 KENNETH FITCH	100 YD. I.M. M E N 30-34		500 YD. FREE M E N 35-39	
1:45.94 CHRISTOPHER BLACK	30	2:03.05 CARR PHILLIPS	50.98 DAVID LUNDBERG	91	4:41.53 HESS YNTEMA	91
1:46.56 DENNIS TESCH	30	2:04.21 BOB JONES	53.76 STEVEN ENNIS	32	4:48.74 BILL PALMER	35
1:46.71 ALEC CAMPBELL	30	50 YD. BRST M E N 30-34	53.79 DAVID CADEMATORI	30	4:50.67 MIKE KECK	36
1:47.45 STEPHEN LAIRD	30	25.88 DAVID LUNDBERG	54.37 ANDERS RASMUSSEN	32	4:50.81 CRAIG PETERSEN	36
1:47.68 MICHAEL MOORE	32	27.12 BRIAN SCOTTOLINE	54.80 DIETRICH LAWRENCE	30	4:51.33 JAMES LILLEY	36

# TOP TEN - SHORT COURSE YARDS

4:54.91 JOHN LOWE	35	28.59 RON SCHAFER	38	200 YD. I.M. M E N 35-39		10:14.25 SANDY MACDONALD	40
4:57.82 RON FINLEY	37	28.66 GARY PATTERSON	36	1:57.44 MIKE DREWS	91	10:15.95 RANDY WILLIAMS	44
4:59.02 GARY QUINN	38	28.67 MORI PAULSEN	38	1:58.99 MIKE KECK	36	10:29.38 JAMES MONTGOMERY	41
4:59.47 WILLIAM SPECHT	37	100 YD. BRST M E N 35-39		1:59.03 ROBERT PLACAK	37	10:31.35 DAVID SHEPHERD	40
5:01.76 L.MEISENHEIMER	38	59.07 MARK SCHUMAN	91	1:59.74 DAVID SANTOS	37	10:39.20 HOWARD COYE	41
5:01.76 WILLIAM OLIVER	35	1:00.81 RON SCHAFER	38	2:01.56 BRIAN KELCA	35	10:41.42 LARRY WOOD	42
1000 YD. FREE M E N 35-39		1:00.95 STEVE BOONE	37	2:02.98 MICHAEL MAKARCZYK	36	10:42.60 FRED FERROGGIARO	42
9:53.91 MIKE KECK	96	1:00.95 HOLDEN BANK	36	2:03.00 GARY QUINN	38	10:51.77 JOHN NEEDHAM	42
9:53.91 MIKE KECK	36	1:01.03 BENN DOYLE	37	2:03.36 CAMERON REID	35	10:53.60 PAUL WINDRATH	42
9:53.93 BILL PALMER	35	1:01.67 MORI PAULSEN	38	2:03.75 HOLDEN BANK	36	10:55.02 PAUL WISE	40
9:59.80 CRAIG PETERSEN	36	1:01.79 GARY PATTERSON	36	2:04.32 R FORRESTEL	38	1650 YD. FREE M E N 40-44	
10:13.95 JEFFREY STUART	35	1:02.09 BRUCE HOWELL	39	2:04.61 BRENDAN MCNULTY	36	16:18.14 HESS YNTEMA	94
10:20.44 JOHN LOWE	35	1:02.62 SPENCER ELDRED	39	400 YD. I.M. M E N 35-39		16:52.78 HOWARD JAY	40
10:22.37 JOHN HATHAWAY	38	1:03.23 KEVIN LADD	35	4:15.20 HESS YNTEMA	91	17:18.66 SANDY MAC DONALD	40
10:22.50 DAN GROBECK	36	1:03.30 MICHAEL HAMM	38	4:15.97 MIKE KECK	36	17:31.11 DAVID SHEPHERD	40
10:24.42 JOE RHYNE	37	200 YD. BRST M E N 35-39		4:20.60 CAMERON REID	35	17:34.88 FRED FERROGGIARO	42
10:24.76 SCOTT RABALAIS	37	2:10.41 MARK SCHUMAN	91	4:21.05 DAVID SANTOS	37	17:41.02 NED MAGGIORA	41
10:30.29 JAMES STEWART	39	2:10.94 RON SCHAFER	38	4:25.05 BRENDAN MCNULTY	36	17:45.04 MIKE MCCAFFERY	42
1650 YD. FREE M E N 35-39		2:13.49 BENN DOYLE	37	4:28.23 GARY QUINN	38	18:04.02 NEIL WASSERMAN	40
16:21.14 HESS YNTEMA	91	2:15.83 DAVID HOLLAND	37	4:28.57 R FORRESTEL	38	18:09.83 PAUL WISE	40
16:54.47 MIKE KECK	36	2:15.84 BRIAN KELCA	35	4:29.38 SCOTT SHAKE	38	18:15.99 ROBERT STRAUSS	43
17:05.61 STEVEN WRIGHT	35	2:16.43 GARY PATTERSON	36	4:30.72 BRAD WILLIAMS	37	18:28.24 JOHN NEEDHAM	41
17:09.54 SCOTT SHAKE	38	2:16.76 MORI PAULSEN	38	4:30.76 MARK AMBERSON	35	50 YD. BACK M E N 40-44	
17:13.17 JOHN LOWE	35	2:18.40 MICHAEL HAMM	38	4:31.22 ANDREAS SEIBT	38	24.59 CRAIG SCHWARTZ	96
17:15.67 WILLIAM OLIVER	35	2:18.72 SPENCER ELDRED	39	*****		25.39 CLAY EVANS	42
17:17.26 GARY QUINN	38	2:19.96 MICHAEL CASCIATO	36	50 YD. FREE M E N 40-44		25.65 STU MARVIN	40
17:18.35 ROBERT PLACAK	36	2:22.26 ANDREW BRENAN	35	21.66 CHARLES NORELLI	95	26.37 CARL COLVARD	40
17:24.04 HOWARD JAY	39	50 YD. FLY M E N 35-39		21.72 CHARLES NORELLI	40	26.60 DAN'L LEWIN	42
17:32.16 JAMES STEWART	39	22.93 SPECHT/DEFORREST	94	21.98 RICK ABBOTT	41	26.74 JEFF PEROUT	43
17:38.26 JAMES KEGLEY	38	23.46 WILLIAM SPECHT	38	22.02 STU MARVIN	40	26.93 TOM WOLF	41
50 YD. BACK M E N 35-39		23.81 SKIP GRANTHAM	35	22.07 TRIP HEDRICK	42	27.04 GARY HALL	44
23.75 CLAY BRITT	96	23.86 ROBERT PLACAK	37	22.24 JACK GROSELLE	41	27.07 RICK ABBOTT	41
23.75 CLAY BRITT	35	23.88 MICHAEL MAKARCZYK	36	22.34 RICHARD HESS	41	27.08 JAMIE BAIRD	41
24.63 WILLIAM SPECHT	38	23.97 JEFFREY STUART	35	22.51 LOUIS TUDOR	40	27.09 B CROWDER	40
25.54 CHARLES GROEN	36	24.06 BRIAN KELCA	35	22.64 ROBERT CROWDER	40	100 YD. BACK M E N 40-44	
25.88 PAUL SIGFUSSON	38	24.07 CLAY BRITT	35	22.69 ERIC VAN BOER	41	52.58 CRAIG SCHWARTZ	96
25.95 DEAN PRZYMUS	35	24.13 JAMES LILLEY	36	22.71 BRIAN LINDEROTH	40	54.95 CLAY EVANS	42
25.99 BOB BURESH	37	24.14 ROBERT GOLDBLOOM	36	100 YD. FREE M E N 40-44		56.87 STU MARVIN	40
26.01 SCOTT SHAKE	38	24.25 KEVIN DEFORREST	37	47.65 NORELLI/MONTGOMER95		57.35 ROBERT CROWDER	40
26.02 RON FINLEY	37	100 YD. FLY M E N 35-39		47.66 CHARLES NORELLI	40	57.36 TOM WOLF	41
26.12 CURT LA COUNT	37	50.08 WILLIAM SPECHT	95	47.67 STU MARVIN	40	57.51 CARL COLVARD	40
26.16 KIRK JENSEN	35	50.86 WILLIAM SPECHT	37	48.17 RICK ABBOTT	41	57.97 DAN'L LEWIN	42
100 YD. BACK M E N 35-39		51.59 BRIAN KELCA	35	48.43 JACK GROSELLE	41	58.11 JAMIE BAIRD	41
51.03 CLAY BRITT	96	51.78 JEFFREY STUART	35	48.90 RICHARD HESS	41	58.52 STEVE MUNDSCHAU	42
51.03 CLAY BRITT	35	52.45 MICHAEL MAKARCZYK	36	48.97 TRIP HEDRICK	42	58.75 FRED FERROGGIARO	42
52.75 WILLIAM SPECHT	38	52.69 SKIP GRANTHAM	35	49.57 JEFF PEROUT	43	58.80 KENT FORD	42
53.78 JAMES BALLARD	38	53.87 ROBERT PLACAK	37	49.83 LOUIS TUDOR	40	200 YD. BACK M E N 40-44	
55.87 SCOTT SHAKE	38	54.05 BRENDAN MCNULTY	36	49.97 ROBERT CROWDER	40	1:58.16 CRAIG SCHWARTZ	96
55.94 BOB BURESH	37	54.07 TED SOLTYS	35	50.12 BRIAN LINDEROTH	40	2:03.76 FRED FERROGGIARO	42
56.06 CHARLES GROEN	36	54.08 MICHAEL BRUNER	39	200 YD. FREE M E N 40-44		2:03.93 CLAY EVANS	42
56.25 MIKE FRAZER	35	54.44 KERRY O'BRIEN	39	1:46.00 HESS YNTEMA	94	2:04.53 BRUCE DICKSON	42
56.29 JEFFREY STUART	35	200 YD. FLY M E N 35-39		1:46.21 STU MARVIN	40	2:04.70 ROBERT CROWDER	40
56.45 THOMAS DAVIS	38	1:51.38 WILLIAM SPECHT	95	1:48.85 JAMES MONTGOMERY	41	2:06.69 SCOTT MCMILLEN	42
56.61 JOHN MONTESI	36	1:52.26 WILLIAM SPECHT	38	1:49.20 SANDY MACDONALD	40	2:07.64 JEFF PEROUT	43
200 YD. BACK M E N 35-39		1:55.56 JEFFREY STUART	35	1:49.29 BRAD HORNER	41	2:08.19 JAMIE BAIRD	41
1:53.30 CLAY BRITT	96	1:56.65 MICHAEL MAKARCZYK	36	1:49.39 RICK ABBOTT	40	2:08.20 DAVID BARNES	40
1:53.30 CLAY BRITT	35	1:58.12 BRIAN KELCA	35	1:49.59 JACK GROSELLE	41	2:08.23 TOM WOLF	41
1:55.04 WILLIAM SPECHT	38	1:58.98 MICHAEL BRUNER	39	1:50.71 HOWARD JAY	40	2:09.00 KENT FORD	42
1:58.81 SCOTT SHAKE	38	1:59.72 BRENDAN MCNULTY	36	1:50.80 DAVID SHEPHERD	40	50 YD. BRST M E N 40-44	
1:58.89 JEFFREY STUART	35	2:00.47 DAVID SANTOS	37	1:51.18 LARRY WOOD	42	27.45 C MILTENBERGER	92
2:01.03 CRAIG PETERSEN	36	2:01.46 KERRY O'BRIEN	38	1:51.82 ROBERT CROWDER	40	28.21 JOHN ROEMER	40
2:01.78 THOMAS DAVIS	38	2:02.56 R FORRESTEL	38	500 YD. FREE M E N 40-44		28.25 STUART CORLESS	40
2:01.80 DOUG PORTELANCE	37	2:04.09 MARK AMBERSON	35	4:46.59 JIM MCCONICA	94	28.27 C.MILTENBERGER	44
2:01.88 TOD PICKETT	35	100 YD. I.M. M E N 35-39		4:52.60 HOWARD JAY	40	28.43 JACK GROSELLE	41
2:02.28 WILLIAM OLIVER	35	52.79 ROBERT PLACAK	94	4:53.66 SANDY MACDONALD	40	28.68 DOUGLAS RYERSON	42
2:02.60 BOB BURESH	37	52.93 CLAY BRITT	35	5:01.52 RANDY WILLIAMS	44	28.83 MARK SCHUMAN	40
50 YD. BRST M E N 35-39		53.10 DAVID LUNDBERG	35	5:01.95 DAVID SHEPHERD	40	29.16 KARL KAZMAIER	40
26.61 BENN DOYLE	94	55.07 HOLDEN BANK	36	5:03.16 NATE LEIGH	40	29.21 JAMIE HEMMARK	40
27.29 DAVID LUNDBERG	35	55.52 BRIAN KELCA	35	5:03.56 JAMES MONTGOMERY	41	29.26 CARL COLVARD	40
27.47 HOLDEN BANK	36	55.98 TOM KATSOULEAS	38	5:03.91 NED MAGGIORA	41	29.38 MARC KELLY	41
27.54 KEVIN LADD	35	56.29 ROBERT GOLDBLOOM	36	5:09.11 FRED FERROGGIARO	42	100 YD. BRST M E N 40-44	
27.56 BENN DOYLE	37	56.64 JAMES LILLEY	35	5:09.91 JEFF PEROUT	43	59.40 C MILTENBERGER	93
27.81 BRUCE HOWELL	39	56.65 MICHAEL MAKARCZYK	36	5:10.21 MIKE MCCAFFERY	42	1:01.00 C.MILTENBERGER	44
27.98 STEVE BOONE	37	56.68 MIKE KECK	36	1000 YD. FREE M E N 40-44		1:02.00 STUART CORLESS	40
28.52 MARC SCHLATTER	37	56.71 CHARLES GROEN	36	9:47.73 HESS YNTEMA	94	1:02.29 JOHN ROEMER	40

# TOP TEN - SHORT COURSE YARDS

1:02.48	MARK SCHUMAN	40	2:07.48	JAMIE HEMMARK	40	11:05.98	TOM EICHE	45	2:15.89	ROBERT STRAND	94
1:02.98	JACK GROSELLE	41	2:07.96	SCOTT MCMILLEN	42	11:22.82	JOHN EDWARDS	47	2:21.46	TIM BRODERICK	45
1:03.35	DOUGLAS RYERSON	42	2:08.30	DAVID TOLER	41	1650 YD. FREE M E N 45-49			2:24.68	ROBERT WHITLEY	46
1:03.84	JAMIE HEMMARK	40	2:08.64	GARY HALL	44	17:12.43	JIM MCCONICA	96	2:25.01	STEVEN HECK	46
1:03.96	KARL KAZMAIER	40	400 YD. I.M. M E N 40-44			17:12.43	JIM MCCONICA	45	2:26.33	MAL JESTER	47
1:04.00	TOM REUDY	41	4:20.57	CLAY EVANS	94	17:28.57	TIM BRODERICK	45	2:26.42	JIM CLEMMONS	45
1:04.11	RICHARD BOHAN	44	4:27.29	CLAY EVANS	42	17:54.43	JIM CLEMMONS	46	2:27.58	BOB SELTZER	45
200 YD. BRST M E N 40-44			4:28.06	HOWARD JAY	40	18:15.89	STEVE CRAVEN	46	2:27.82	PAUL HENNE	49
2:12.85	RICK COLELLA	92	4:29.15	DAVID SHEPHERD	40	18:22.50	NICK LECLERCQ	49	2:27.85	DANIEL ROGACKI	48
2:17.38	JOHN ROEMER	40	4:29.63	TOM REUDY	41	18:25.36	KEITH BELL	47	2:28.30	BILL GRIFFITH	49
2:18.03	GREGORY HARRISON	44	4:32.04	DONALD GILCHRIST	42	18:29.69	R. TOD SPIEKER	47	2:30.06	RICK WALKER	45
2:19.59	JAMIE HEMMARK	40	4:32.51	RANDY WILLIAMS	44	18:57.74	WILLIAM CERNY	48	2:30.06	TERRENCE LEE	46
2:20.88	KARL KAZMAIER	40	4:34.42	NEIL WASSERMAN	40	19:06.64	TOM EICHE	45	50 YD. FLY M E N 45-49		
2:20.99	TOM REUDY	41	4:38.59	NED MAGGIORA	41	19:27.45	JIM MERCHANT	49	24.05	DAN THOMPSON	94
2:21.49	MARK SCHUMAN	40	4:40.29	JOHN MCCONNOCHIE	42	50 YD. BACK M E N 45-49			24.65	DAN THOMPSON	49
2:22.29	RICHARD BOHAN	44	4:41.38	JIMMY WELLBORN	41	25.65	ROBERT SMITH	88	24.67	TOM PERRIN	45
2:22.75	GARY KRAGE	40	*****			25.57	DAN ROGACKI	48NV	25.29	JOHN FOOTE	45
2:22.79	PATRICK DIBIASE	40	50 YD. FREE M E N 45-49			26.04	PETER O'KEEFFE	45	25.71	JOHN DERR	47
2:23.02	DOUGLAS RYERSON	42	21.87	RICHARD ABRAHAMS	90	26.44	ANDREW MCPHERSON	49	25.78	LARRY WRIGHT	47
50 YD. FLY M E N 40-44			22.69	TIM BRODERICK	45	27.11	DICK THOMAS	48	25.80	JERRY HEIDENREICH	46
23.63	DAN THOMPSON	91	22.89	L SHULMAN	46	27.44	HUGH WILDER	48	25.89	STEVE BOSTER	45
23.90	CHARLES NORELLI	40	22.99	ANDREW MC PHERSON	49	27.53	JOHN PHILLIPS	49	25.92	BOB SLAMA	45
23.92	TRIP HEDRICK	42	23.11	ANDREW MENZIE	46	27.59	WILLIAM TINGLEY	45	26.03	JOEL BURNS	49
24.05	RICHARD HESS	41	23.19	THOMAS PEEK	48	27.79	WILLIAM DORNEY	48	26.03	DICK THOMAS	48
24.59	RICK ABBOTT	41	23.31	DANIEL ROGACKI	48	27.81	JERRY HEIDENREICH	46	100 YD. FLY M E N 45-49		
24.67	SANDY MACDONALD	40	23.35	TOM PERRIN	45	27.90	TOD SPIEKER	47	54.27	MARTIN HULL	89
24.68	CLAY EVANS	42	23.61	MIKE SHERRILL	46	100 YD. BACK M E N 45-49			54.60	TOM PERRIN	45
24.69	MARK SCHUMAN	40	23.67	HOMER LANE	46	56.14	ROBERT SMITH	88	54.74	ANDREW MCPHERSON	49
24.71	LOUIS TUDOR	40	23.74	RANDY SIMONS	47	56.67	PETER O'KEEFFE	45	56.68	PETER O'KEEFFE	45
24.75	JIM O'CONNOR	42	100 YD. FREE M E N 45-49			59.04	TOD SPIEKER	47	56.82	JOHN DERR	47
24.79	JACK GROSELLE	41	48.13	ANDREW MCPHERSON	92	59.65	JOHN PHILLIPS	49	57.10	STEVE BOSTER	45
100 YD. FLY M E N 40-44			49.93	TIM BRODERICK	45	1:00.14	DANIEL ROGACKI	48	57.28	BOO GRANER GALLAS	48
51.89	CHARLES NORELLI	96	49.93	ANDREW MCPHERSON	49	1:00.15	HUGH WILDER	48	58.09	DAVID TANNER	46
51.89	CHARLES NORELLI	40	50.99	TOM PERRIN	45	1:00.28	DICK THOMAS	48	58.17	STEVE CRAVEN	46
53.18	SANDY MACDONALD	40	51.43	JIM MCCONICA	45	1:00.76	TOM EICHE	45	58.29	ARTHUR DEFFAA	47
53.33	RICHARD HESS	41	51.80	STEVEN HECK	46	1:01.00	STEVE HECK	45	58.45	STEVE HECK	45
53.57	BRAD HORNER	41	51.99	DANIEL ROGACKI	48	1:01.65	JOHN FITZGERALD	47	200 YD. FLY M E N 45-49		
53.74	TRIP HEDRICK	42	52.27	HOMER LANE	46	1:01.77	J NATHAN LEECH	47	2:03.96	B GRANER-GALLAS	93
53.88	JIM O'CONNOR	42	52.44	PAUL MCCORMICK	49	200 YD. BACK M E N 45-49			2:09.14	BOO GRANER GALLAS	48
54.90	GARY HALL	44	52.51	LEONARD BROCKHAHN	45	2:02.18	PETER O'KEEFE	96	2:09.76	NICK LECLERCQ	49
54.92	MARK SCHUMAN	40	52.70	ANDREW MENZIE	46	2:02.18	PETER O'KEEFFE	45	2:10.17	DAVID TANNER	46
55.06	LOUIS TUDOR	40	200 YD. FREE M E N 45-49			2:06.09	TOD SPIEKER	47	2:11.97	JIM CLEMMONS	46
55.10	STUART CORLESS	40	1:47.93	TIM BRODERICK	96	2:10.29	TOM EICHE	45	2:13.21	ARTHUR DEFFAA	47
200 YD. FLY M E N 40-44			1:47.93	TIM BRODERICK	45	2:12.17	WILLIAM DORNEY	48	2:13.76	TOM EICHE	45
1:55.26	HESS YNTEMA	94	1:51.40	ANDREW MCPHERSON	49	2:12.92	DANIEL ROGACKI	48	2:14.53	STEVE BOSTER	45
1:58.26	BRAD HORNER	41	1:52.73	MIKE SHERRILL	46	2:13.62	JOHN PHILLIPS	49	2:14.68	JOHN FLANAGAN	49
1:58.70	CHARLES NORELLI	40	1:53.35	TODD BRYAN	45	2:14.04	TODD BRYAN	45	2:14.73	KEITH BELL	47
1:59.69	SANDY MACDONALD	40	1:53.41	PETER O'KEEFFE	45	2:15.37	WILLIAM TINGLEY	45	2:15.10	JOEL WILSON	47
2:01.08	JIM O'CONNOR	42	1:53.83	LEONARD BROCKHAHN	45	2:15.98	J NATHAN LEECH	47	100 YD. I.M. M E N 45-49		
2:02.56	HOWARD JAY	40	1:54.27	TOD SPIEKER	47	2:16.35	EDWIN PYLE	46	56.23	ROBERT SMITH	88
2:03.24	DAVID NATALI	41	1:54.50	PAUL MCCORMICK	49	50 YD. BRST M E N 45-49			56.82	ANDREW MCPHERSON	49
2:04.75	DAVID BARNES	40	1:55.39	TOM PERRIN	45	28.12	PAUL HENNE	94	57.59	TOM PERRIN	45
2:04.77	RANDY WILLIAMS	44	1:55.72	STEVE HECK	46	28.60	PAUL HENNE	49	57.97	TIM BRODERICK	45
2:05.79	ROBERT CROWDER	40	500 YD. FREE M E N 45-49			29.34	DON MCKENZIE	49	58.81	STEVEN HECK	46
2:06.34	DAVID VANDAM	40	4:57.39	JIM MCCONICA	96	30.02	ANDREW MENZIE	46	59.02	DANIEL ROGACKI	48
100 YD. I.M. M E N 40-44			4:57.39	JIM MCCONICA	45	30.07	DANIEL ROGACKI	48	1:00.04	PAUL HENNE	49
54.88	CLAY EVANS	94	4:57.94	TIM BRODERICK	45	30.07	PETER DAHLBERG	45	1:00.56	J NATHAN LEECH	47
55.41	CLAY EVANS	42	5:02.54	TODD BRYAN	45	30.12	WAYNE MCCAULEY	47	1:00.77	DICK THOMAS	48
55.91	RICK ABBOTT	41	5:07.81	TOD SPIEKER	47	30.26	PAUL MENYHARTH	49	1:01.20	LARRY WRIGHT	47
56.17	STU MARVIN	40	5:09.03	MIKE SHERRILL	46	30.43	PEDER DAHLBERG	46	1:01.81	ROBERT WHITLEY	46
56.26	STUART CORLESS	40	5:11.14	PAUL MCCORMICK	49	30.46	STEVE HECK	46	200 YD. I.M. M E N 45-49		
56.33	RICHARD HESS	41	5:11.66	ANDREW MC PHERSON	49	30.58	TERRENCE LEE	46	2:03.80	ANDREW MCPHERSON	94
56.67	MARK SCHUMAN	40	5:13.45	JIM CLEMMONS	46	100 YD. BRST M E N 45-49			2:05.93	TIM BRODERICK	45
57.07	C.MILTENBERGER	44	5:21.58	KEITH BELL	47	1:01.92	ROBERT STRAND	95	2:07.80	PETER O'KEEFFE	45
57.18	JACK GROSELLE	41	5:23.51	WILLIAM REID	45	1:03.94	PAUL HENNE	49	2:09.58	STEVE HECK	46
57.18	CARL COLVARD	40	1000 YD. FREE M E N 45-49			1:04.32	DON MCKENZIE	49	2:12.63	JIM CLEMMONS	45
57.31	BRAD HORNER	41	10:20.88	MIKE SHERRILL	95	1:05.38	ROBERT WHITLEY	46	2:12.89	MIKE SHERRILL	46
200 YD. I.M. M E N 40-44			10:27.24	TIM BRODERICK	45	1:06.21	DANIEL ROGACKI	48	2:13.58	JOEL WILSON	47
2:00.49	CLAY EVANS	94	10:28.09	TODD BRYAN	45	1:06.77	PEDER DAHLBERG	46	2:14.89	TED LEDVICH	47
2:02.31	CLAY EVANS	42	10:34.57	TOD SPIEKER	47	1:06.95	BILL GRIFFITH	49	2:15.26	MAL JESTER	47
2:03.67	RICHARD HESS	41	10:37.98	MIKE SHERRILL	46	1:07.20	MAL JESTER	47	2:15.50	LARRY WRIGHT	47
2:03.93	TOM REUDY	41	10:43.81	PAUL MCCORMICK	49	1:07.28	STEVE HECK	45	2:15.57	BOB SELTZER	45
2:05.31	DONALD GILCHRIST	42	10:53.35	STEVE CRAVEN	46	1:07.28	TERRENCE LEE	46	400 YD. I.M. M E N 45-49		
2:06.39	STEVEN STRONG	41	10:54.51	NICK LECLERCQ	49	1:07.34	PAUL MENYHARTH	49	4:31.40	TIMOTHY GARTON	88
2:06.70	DAVID BARNES	40	10:55.27	JIM CLEMMONS	45	200 YD. BRST M E N 45-49			4:31.75	TIM BRODERICK	45



# TOP TEN - SHORT COURSE YARDS

4:33.44 ANDREW MCPHERSON	49	19:55.37 JOHN SELMER	51	2:37.44 PHILLIP WHITTEN	52	5:15.24 E JENSEN	54
4:40.72 JIM CLEMMONS	46	20:10.85 BILL ARTHUR	50	2:37.82 MICHAEL LAUX	54	*****	
4:41.66 WILLIAM DORNEY	48	20:24.84 STEVEN THRASHER	54	2:37.92 EDWARD NESSEL	50	50 YD. FREE M E N 55-59	
4:42.40 STEVE CRAVEN	46	20:26.17 THOMAS MCCARTY	50	2:38.29 STEVE BARNDEN	50	23.41 DONALD HILL	87
4:43.48 JOEL WILSON	47	20:35.21 DON DAVIS	51	50 YD. FLY M E N 50-54		23.81 JEFF FARRELL	59
4:45.01 TOM EICHE	45	20:48.59 PAUL HEBERT	50	25.49 KEEFE LODWIG	95	24.60 CHARLES RAVEN	57
4:48.54 MAL JESTER	47	21:05.84 JOHN LADD	50	25.72 RICHARD WOODROW	52	24.98 BOB LIEB	55
4:49.96 STEVEN HECK	46	50 YD. BACK M E N 50-54		25.86 KEEFE LODWIG	52	25.34 MIKE MACLEAN	55
4:53.07 KEITH BELL	47	26.24 ROBERT SMITH	93	26.02 STEPHEN CLARK	52	25.68 TOM ANGELL	56
*****		27.03 TIM BIRNIE	50	26.34 JAMES WHITE	53	25.70 JERRY CLARK	58
50 YD. FREE M E N 50-54		27.09 ROBERT SMITH	52	26.46 JOHN FLANAGAN	50	25.76 BRUCE HUNTER	56
22.84 ROBERT SMITH	93	28.22 RICHARD BURNS	52	26.56 CHRIS OSTROM	50	25.83 JAMES KRUEGER	57
23.19 STEPHEN CLARK	52	28.59 JACK GEOGHEGAN	53	26.60 ROBERT SMITH	52	25.84 JOHN GORMLY	55
23.23 KEEFE LODWIG	52	28.69 STEPHEN CLARK	52	26.75 RICHARD ARLUCK	50	25.91 WILLIAM VAN HORN	57
23.40 JAMES ELDER	53	28.91 JACK ZALIM	50	26.94 RICHARD STACH	50	100 YD. FREE M E N 55-59	
23.65 ROBERT SMITH	52	28.93 STEVEN THRASHER	54	27.16 JAMES ELDER	52	52.59 DONALD HILL	87
23.70 RICHARD WOODROW	52	29.10 FRANS NELSON	53	100 YD. FLY M E N 50-54		52.84 JEFF FARRELL	59
23.74 ROBERT STRAND	50	29.11 GREG NASH	50	56.54 RICHARD WOODROW	94	55.44 BOB LIEB	55
23.84 JACK GEOGHEGAN	53	29.25 DAVID QUIGGIN	51	58.74 JOHN FLANAGAN	50	55.78 CHARLES RAVEN	57
23.96 RICHARD ARLUCK	50	100 YD. BACK M E N 50-54		58.76 RICHARD WOODROW	52	56.32 RICHARD BASSI	55
24.10 JOHN STEARNS	50	58.57 TIM BIRNIE	96	59.13 TIMOTHY GARTON	53	56.87 WILLIAM VAN HORN	57
24.12 MIKE GARIBALDI	50	58.57 TIM BIRNIE	50	59.96 STEPHEN CLARK	52	57.35 JERRY CLARK	58
100 YD. FREE M E N 50-54		59.21 ROBERT SMITH	52	1:00.06 RICHARD ARLUCK	50	57.35 MIKE FRESHLEY	55
50.98 TIMOTHY GARTON	94	1:00.68 RICHARD BURNS	52	1:00.19 JAMES ELDER	53	57.44 BRUCE HUNTER	56
51.53 JACK GEOGHEGAN	53	1:02.18 STEVEN THRASHER	54	1:00.29 ROBERT POILETMAN	52	57.60 ANDY MORROW	57
51.78 TIMOTHY GARTON	53	1:02.37 JACK GEOGHEGAN	53	1:01.05 JOHN CALVERT	50	57.84 JOHN GORMLY	55
51.92 STEPHEN CLARK	52	1:02.99 JOHN CALVERT	50	1:01.06 JACK GEOGHEGAN	53	200 YD. FREE M E N 55-59	
52.14 RICHARD WOODROW	52	1:03.02 EDWARD CAZALET	53	1:01.18 GARY LANGENDOEN	50	1:59.25 JEFF FARRELL	95
52.34 KEEFE LODWIG	52	1:03.28 PAUL BOGGS	51	200 YD. FLY M E N 50-54		2:00.72 JEFF FARRELL	59
52.49 RICHARD ARLUCK	50	1:04.74 GREG NASH	50	2:11.97 ROBERT POILETMAN	96	2:04.98 WILLIAM VAN HORN	57
52.55 JAMES ELDER	53	1:05.15 DONALD GALINE	50	2:11.97 ROBERT POILETMAN	52	2:05.23 DAVID HARRISON	58
52.56 MIKE GARIBALDI	50	200 YD. BACK M E N 50-54		2:13.17 JOHN FLANAGAN	50	2:07.82 BOB LIEB	55
52.92 DAVID QUIGGIN	51	2:07.88 TIM BIRNIE	96	2:14.05 JACK GEOGHEGAN	53	2:07.91 CHARLES RAVEN	57
53.47 ROBERT STRAND	50	2:07.88 TIM BIRNIE	50	2:18.06 GARY LANGENDOEN	50	2:09.43 MURRAY MC LACHLAN	55
200 YD. FREE M E N 50-54		2:12.93 JOHN CALVERT	50	2:23.36 PAULO FIGUEIEREDO	50	2:10.95 LAWRENCE NORDELL	55
1:53.25 TIMOTHY GARTON	94	2:14.27 EDWARD CAZALET	53	2:23.61 ALLAN CARTWRIGHT	54	2:11.38 HENRY SOUTHALL	55
1:53.34 TIM BIRNIE	50	2:14.63 RICHARD BURNS	52	2:26.60 WILLIAM GONZALEZ	52	2:13.18 BILL PAGE	55
1:55.52 TIMOTHY GARTON	53	2:15.10 STEVEN THRASHER	54	2:27.95 JAMES ELDER	53	2:13.34 MEL GOLDSTEIN	57
1:55.66 KEEFE LODWIG	52	2:19.06 ROBERT SMITH	52	2:28.42 JOHN SELMER	51	500 YD. FREE M E N 55-59	
1:55.81 RICHARD ARLUCK	50	2:19.29 GREG NASH	50	2:30.37 WILLIAM BROWN	50	5:32.17 BURWELL JONES	88
1:58.15 EDWARD CAZALET	53	2:21.72 MICHAEL MCCOLLY	50	100 YD. I.M. M E N 50-54		5:40.17 DAVID HARRISON	58
1:58.16 MIKE GARIBALDI	50	2:21.79 ALLAN CARTWRIGHT	54	58.14 ROBERT STRAND	96	5:47.30 WILLIAM VAN HORN	57
1:58.22 JACK GEOGHEGAN	53	2:23.42 BILL BELDING	51	58.14 ROBERT STRAND	50	5:55.17 CHARLES RAVEN	57
1:58.24 RICHARD WOODROW	52	50 YD. BRST M E N 50-54		59.02 TIMOTHY GARTON	53	5:56.87 BILL STEUART	59
1:59.74 JOHN FLANAGAN	50	28.40 ROBERT STRAND	96	1:00.14 ROBERT SMITH	52	6:00.53 MURRAY MC LACHLAN	55
1:59.79 JOHN CALVERT	50	28.40 ROBERT STRAND	50	1:01.26 STEPHEN CLARK	52	6:00.91 ERNIE LESKOVITZ	58
500 YD. FREE M E N 50-54		30.86 PETE ANDERSEN	52	1:01.68 JAMES ELDER	53	6:08.06 GEORGE MANN	58
5:13.63 TIM BIRNIE	96	30.99 ROBERT SMITH	52	1:02.32 CHRIS OSTROM	50	6:08.10 JAMES SHAW	55
5:13.63 TIM BIRNIE	50	31.19 CHRIS OSTROM	50	1:02.39 RICHARD BURNS	52	6:11.13 EMERSON CHRISTOFF	56
5:23.80 JOHN CALVERT	50	31.48 KEN FROST	51	1:02.48 EDWARD CAZALET	53	6:13.63 JERRY CLARK	58
5:25.45 JOHN FLANAGAN	50	31.64 DAN PER-LEE	52	1:02.81 JOHN CALVERT	50	1000 YD. FREE M E N 55-59	
5:25.45 MIKE GARIBALDI	50	31.79 KING BOYD	52	1:03.30 PAUL JEFFERS	50	11:26.99 BURWELL JONES	90
5:27.76 EDWARD CAZALET	53	31.83 KENNETH SHAW	50	200 YD. I.M. M E N 50-54		11:47.39 DAVID HARRISON	58
5:33.45 SANDY GALLETTY	53	31.92 EDWARD NESSEL	50	2:08.36 TIMOTHY GARTON	93	12:02.72 WILLIAM VAN HORN	57
5:39.71 JACK GEOGHEGAN	53	32.11 CHARLES LEE	51	2:10.15 TIMOTHY GARTON	53	12:21.57 BILL STEUART	59
5:41.20 JOHN SELMER	51	100 YD. BRST M E N 50-54		2:10.85 ROBERT STRAND	50	12:26.56 ERNIE LESKOVITZ	59
5:43.36 ROBERT POILETMAN	52	1:01.87 ROBERT STRAND	96	2:14.79 JOHN CALVERT	50	12:27.84 BILL PAGE	55
5:43.69 MICHAEL MCCOLLY	50	1:01.87 ROBERT STRAND	50	2:15.02 BRUCE MOHL	50	12:33.38 MURRAY MC LACHLAN	55
1000 YD. FREE M E N 50-54		1:08.45 BRUCE MOHL	50	2:16.92 JACK GEOGHEGAN	54	12:47.34 JAMES SHAW	55
11:00.03 EDWARD HINSHAW	87	1:09.11 ROBERT SMITH	52	2:19.80 BILL BROWN	52	12:53.46 CARL WOOLLEY	59
11:05.03 JOHN FLANAGAN	50	1:09.22 CHRIS OSTROM	50	2:19.81 RICHARD BURNS	52	12:55.97 GEORGE MANN	58
11:18.91 JACK GEOGHEGAN	54	1:09.36 PAUL JEFFERS	50	2:19.81 ALLAN CARTWRIGHT	54	13:07.03 A. EMORY HAWORTH	59
11:20.14 EDWARD CAZALET	53	1:09.38 SCOTT GUTHRIE	51	2:19.85 CHRIS OSTROM	50	1650 YD. FREE M E N 55-59	
11:49.24 JOHN SELMER	51	1:09.85 KEN FROST	51	2:21.06 PAUL JEFFERS	50	19:02.45 BURWELL JONES	88
11:55.38 MICHAEL MCCOLLY	50	1:09.94 PHILLIP WHITTEN	52	400 YD. I.M. M E N 50-54		19:52.33 WILLIAM VAN HORN	57
11:56.00 KEEFE LODWIG	52	1:10.24 PETE ANDERSEN	52	4:39.70 TIMOTHY GARTON	93	20:05.92 DAVID HARRISON	58
12:02.50 TIMOTHY GRIFFIN	52	1:10.75 MICHAEL LAUX	54	4:42.46 JOHN CALVERT	50	21:00.57 BILL STEUART	59
12:06.44 DON DAVIS	51	200 YD. BRST M E N 50-54		4:49.30 TIMOTHY GARTON	53	21:10.24 MURRAY MCLACHLAN	55
12:06.56 STEVEN THRASHER	54	2:17.16 ROBERT STRAND	96	4:55.38 EDWARD CAZALET	53	21:22.11 CHARLES RAVEN	57
12:13.14 BILL ARTHUR	50	2:17.16 ROBERT STRAND	50	4:57.59 ROBERT POILETMAN	52	21:47.65 GEORGE MANN	58
1650 YD. FREE M E N 50-54		2:35.36 ROBERT POILETMAN	52	5:00.13 JACK GEOGHEGAN	54	21:58.03 LEE FITZHUGH	58
18:28.45 SANDY GALLETTY	93	2:36.70 PAUL JEFFERS	50	5:03.53 ALLAN CARTWRIGHT	54	21:58.23 DAVID GIFFORD	55
18:58.51 JOHN FLANAGAN	50	2:36.88 KEN FROST	51	5:07.35 JOHN SELMER	51	21:59.35 KENT PRICE	57
19:12.95 SANDY GALLETTY	53	2:37.15 DAVID GILDEA	52	5:07.53 MICHAEL MCCOLLY	50	22:43.31 MIKE CALWELL	55
19:42.21 JACK GEOGHEGAN	53	2:37.30 CHARLES LEE	51	5:10.49 SANDY GALLETTY	53	50 YD. BACK M E N 55-59	

# TOP TEN - SHORT COURSE YARDS

28.15 YOSHI OYAKAWA	91	27.46 JEFF FARRELL	59	26.13 RONALD JOHNSON	64	33.30 GEORGE THAYER	60
29.34 MIKE MACLEAN	55	27.47 BERT PETERSEN	57	26.44 RICHARD HANLEY	60	33.43 JOHN MCGILL	60
30.81 JEFF FARRELL	59	27.75 DRURY GALLAGHER	57	26.48 DAVID RADCLIFF	61	33.92 L SKRAMSTAD	61
31.03 BILL EARLEY	59	27.97 JOHN FULOP	55	26.49 JACK BEATTIE	61	34.12 SID HALL	60
31.12 DRURY GALLAGHER	57	28.20 JOSEPH LAMMERT	56	26.77 PETER TAFT	60	100 YD. BACK M E N 60-64	
31.14 LEWIS COOK	58	28.31 JOHN GORMLY	55	26.84 GEORGE THAYER	60	1:05.09 DON BROWN	94
31.49 RICHARD BASSI	55	28.43 JAMES KRUEGER	57	26.95 SID HALL	60	1:06.94 JACK BEATTIE	61
31.63 JAMES SHAW	55	28.45 BOB LIEB	55	100 YD. FREE M E N 60-64		1:07.34 DONALD BROWN	62
31.83 CARL CHRISTENSEN	58	29.03 BRUCE HUNTER	56	54.49 DONALD HILL	93	1:07.56 RICHARD HANLEY	60
31.95 F.WENDELKEN	57	100 YD. FLY M E N 55-59		55.38 BOB BAILIE	60	1:09.20 YOSHI OYAKAWA	62
32.11 JERRY GLANCY	58	1:00.88 WALLY DOBLER	89	57.28 CAV CAVANAUGH	60	1:10.00 BARR CLAYSON	60
100 YD. BACK M E N 55-59		1:03.88 DRURY GALLAGHER	57	58.82 PETER TAFT	60	1:10.41 DAVID COSTILL	60
1:02.56 YOSHI OYAKAWA	91	1:04.93 RICHARD BASSI	55	59.42 RICHARD HANLEY	60	1:11.95 JOHN MCGILL	60
1:04.83 MIKE MACLEAN	55	1:05.41 WILLIAM TIMKEN	57	59.45 DAVID RADCLIFF	62	1:12.01 GRAHAM JOHNSTON	64
1:05.47 RICHARD BASSI	55	1:06.50 JAMES SHAW	55	1:00.24 RON JOHNSON	64	1:12.13 LARRY GOOD	62
1:06.98 JERRY GLANCY	58	1:06.83 BRUCE HUNTER	56	1:00.28 JACK BEATTIE	61	1:13.98 GEORGE THAYER	60
1:07.96 DRURY GALLAGHER	57	1:07.81 MEL GOLDSTEIN	57	1:00.93 DONALD BAKER	64	200 YD. BACK M E N 60-64	
1:09.24 GEORGE QUIGLEY	55	1:08.09 JAMES KRUEGER	57	1:00.94 SID HALL	60	2:23.30 DON BROWN	94
1:09.75 BILL EARLEY	59	1:08.11 ERNIE LESKOVITZ	58	1:01.40 JOE ILLICK	61	2:25.25 DONALD BROWN	62
1:10.01 LEWIS COOK	58	1:08.68 JOHN FULOP	55	200 YD. FREE M E N 60-64		2:25.76 RICHARD HANLEY	60
1:10.13 LEE BETTIS	58	1:08.80 LAWRENCE NORDELL	55	2:06.46 DAVID COSTILL	96	2:27.91 JACK BEATTIE	61
1:10.42 F.WENDELKEN	57	200 YD. FLY M E N 55-59		2:06.46 DAVID COSTILL	60	2:33.96 LARRY GOOD	62
1:10.92 EMERSON CHRISTOFF	56	2:21.48 ROBERT PROEBSTING	93	2:07.49 GRAHAM JOHNSTON	64	2:36.97 BARR CLAYSON	60
200 YD. BACK M E N 55-59		2:30.55 DRURY GALLAGHER	57	2:10.60 DAVID RADCLIFF	62	2:42.64 CLARKE MITCHELL	63
2:20.56 DON BROWN	91	2:32.84 WILLIAM TIMKEN	57	2:11.91 CAV CAVANAUGH	60	2:44.42 ALAN RAPPERPORT	62
2:22.39 MIKE MACLEAN	55	2:34.25 BILL PAGE	55	2:16.46 WILLIAM LAUER	61	2:45.21 GRAHAM JOHNSTON	64
2:25.68 JERRY GLANCY	58	2:36.10 LAWRENCE NORDELL	55	2:16.93 RICHARD HANLEY	60	2:45.99 GEORGE NORDBLOM	61
2:26.06 RICHARD BASSI	55	2:38.99 MEL GOLDSTEIN	56	2:18.66 A. EMORY HAWORTH	60	2:49.10 MIKE MILLIMAN	61
2:26.90 DRURY GALLAGHER	57	2:44.47 BARRY FASBENDER	58	2:18.74 JOHN KALAS	62	50 YD. BRST M E N 60-64	
2:33.67 GEORGE QUIGLEY	55	2:45.88 JAMES SHAW	55	2:18.76 SAM JONES	60	31.34 MANUEL SANGUILY	93
2:33.82 BILL PAGE	55	2:47.13 ERNIE LESKOVITZ	58	2:19.09 BILL KING	62	33.73 JOHN KORTHEUER	64
2:35.10 MURRAY MC LACHLAN	55	2:49.65 BERT PETERSEN	57	500 YD. FREE M E N 60-64		34.14 DAVID COSTILL	60
2:38.31 LEE BETTIS	58	2:52.58 JACK HALLIDAY	59	5:36.90 GRAHAM JOHNSTON	95	34.35 STAN MORNER	61
2:38.75 JAMES DULEY	57	100 YD. I.M. M E N 55-59		5:51.30 DAVID COSTILL	60	34.36 BOB BEST	63
2:38.85 F.WENDELKEN	57	1:01.21 DRURY GALLAGHER	95	5:56.57 GRAHAM JOHNSTON	64	34.57 BARR CLAYSON	60
50 YD. BRST M E N 55-59		1:02.85 JEFF FARRELL	59	6:06.86 DAVID RADCLIFF	62	34.60 BOB PATTEN	61
30.18 MANUEL SANGUILY	89	1:05.81 JACK MCCOY	55	6:13.19 RICHARD HANLEY	60	34.68 THOMAS KOENIG	64
31.65 JACK MCCOY	55	1:07.09 MURRAY MCLACHLAN	55	6:14.38 SAM JONES	60	35.04 GEORGE THAYER	60
32.17 DAVID DABOLL	59	1:07.67 MIKE FRESHLEY	55	6:16.96 JOHN KALAS	62	35.42 J.VAN LANDINGHAM	62
33.07 GARDINER GREEN	55	1:08.02 BILL STEUART	59	6:21.27 CAV CAVANAUGH	60	35.73 RON JOHNSON	64
33.47 MIKE MACLEAN	55	1:08.24 WILLIAM TIMKEN	57	6:23.20 SAM KOOISTRA	60	100 YD. BRST M E N 60-64	
34.07 MILTON GEE	59	1:08.30 MURRAY MC LACHLAN	55	6:24.35 WAYNE LEENGRAN	64	1:10.08 MANUEL SANGUILY	93
34.23 WALTER REID	55	1:08.34 BILL PAGE	55	6:24.81 BUZ BRENTON	61	1:11.95 DAVID COSTILL	60
34.30 BOB JOHNSTON	59	1:08.60 JOHN FULOP	55	1000 YD. FREE M E N 60-64		1:14.99 BOB PATTEN	61
34.32 BILL MULLIKEN	56	1:08.61 DICK PETERSON	59	11:46.48 GRAHAM JOHNSTON	95	1:15.33 JOHN KORTHEUER	64
34.65 CHARLIE KILBOURNE	56	200 YD. I.M. M E N 55-59		11:52.82 GRAHAM JOHNSTON	64	1:17.68 STAN MORNER	61
34.75 ALLEN WHITCOMB	55	2:14.98 DRURY GALLAGHER	95	12:37.75 DAVID RADCLIFF	62	1:17.73 BOB BEST	63
34.75 JACK HALLIDAY	59	2:26.00 MURRAY MC LACHLAN	55	13:00.93 SAM JONES	60	1:17.92 BARR CLAYSON	60
100 YD. BRST M E N 55-59		2:30.47 DICK PETERSON	59	13:01.40 RICHARD HANLEY	60	1:18.07 THOMAS KOENIG	64
1:06.67 DRURY GALLAGHER	95	2:31.71 BILL PAGE	55	13:05.73 WALLIE JEFFERIES	64	1:18.98 A. EMORY HAWORTH	60
1:09.57 JACK MCCOY	55	2:32.27 MEL GOLDSTEIN	57	13:09.47 CAV CAVANAUGH	60	1:20.21 RON JOHNSON	60
1:11.24 DAVID DABOLL	59	2:32.54 WILLIAM TIMKEN	57	13:24.86 WAYNE LEENGRAN	64	1:21.12 GEORGE THAYER	64
1:14.54 BILL MULLIKEN	56	2:35.09 MIKE MACLEAN	55	13:25.31 GEORGE BRUNSTAD	61	200 YD. BRST M E N 60-64	
1:14.66 MIKE FRESHLEY	55	2:35.68 A. EMORY HAWORTH	59	13:28.48 JACK BEATTIE	61	2:39.95 MANUEL SANGUILY	93
1:15.50 JACK HALLIDAY	59	2:37.33 F.WENDELKEN	57	13:36.39 ARTHUR WELCH	63	2:43.17 DAVID COSTILL	60
1:15.84 CHARLIE KILBOURNE	56	2:37.63 BILL MULLIKEN	56	1650 YD. FREE M E N 60-64		2:44.68 BOB PATTEN	61
1:16.40 JERRY MYERS	57	2:38.70 GEORGE QUIGLEY	55	19:28.49 GRAHAM JOHNSTON	95	2:51.44 BARR CLAYSON	60
1:16.68 BOB JOHNSTON	59	400 YD. I.M. M E N 55-59		19:43.63 GRAHAM JOHNSTON	64	2:53.44 JOHN KORTHEUER	64
1:17.29 DICK PETERSON	59	4:59.10 DRURY GALLAGHER	95	22:00.89 EMORY HAWORTH	60	2:56.08 BOB BEST	63
1:17.58 MILTON GEE	59	5:20.60 BILL PAGE	55	22:06.69 BUZ BRENTON	61	2:59.04 STAN MORNER	61
200 YD. BRST M E N 55-59		5:27.69 JACK MCCOY	55	22:37.35 WAYNE LEENGRAN	64	3:00.63 LARRY GOOD	61
2:31.23 DRURY GALLAGHER	95	5:33.27 MEL GOLDSTEIN	57	22:45.48 BUDDY BELSHE	62	3:03.15 JOEL JACOBS	60
2:38.72 JACK MCCOY	55	5:33.59 WILLIAM TIMKEN	57	22:49.97 DAVE ANDERSON	64	3:04.26 SID HALL	60
2:45.98 BILL MULLIKEN	56	5:36.92 DICK PETERSON	59	23:00.90 ARTHUR WELCH	63	3:06.91 BILL ROUS	62
2:46.15 DAVID DABOLL	59	5:38.68 DAVID GIFFORD	55	23:02.16 DAVE DRUM	60	50 YD. FLY M E N 60-64	
2:46.75 MIKE FRESHLEY	55	5:46.85 JAMES DULEY	57	23:13.76 JOHN COOPER	63	27.16 BOB BAILIE	95
2:47.43 JACK HALLIDAY	59	5:52.32 A. EMORY HAWORTH	59	23:16.11 DANIEL OSBORNE	62	27.16 BOB BAILIE	60
2:47.78 DICK PETERSON	59	5:55.31 DAVID DABOLL	59	50 YD. BACK M E N 60-64		28.09 DAVID COSTILL	60
2:49.07 CHARLIE KILBOURNE	56	5:56.35 JOSEPH TESMER	56	29.62 YOSHI OYAKAWA	94	28.26 RICHARD HANLEY	60
2:50.02 WILLIAM TIMKEN	57	*****		30.60 RONALD JOHNSON	64	29.07 RON JOHNSON	64
2:52.05 DAVID GIFFORD	55	50 YD. FREE M E N 60-64		30.89 DONALD BROWN	62	29.28 A. EMORY HAWORTH	60
2:53.17 JERRY MYERS	57	24.52 DONALD HILL	93	31.03 RICHARD HANLEY	60	29.36 CAV CAVANAUGH	60
50 YD. FLY M E N 55-59		24.66 BOB BAILIE	60	31.14 BARR CLAYSON	60	29.47 WALLY DOBLER	62
26.58 ROBERT PROEBSTING	93	25.22 CAV CAVANAUGH	60	31.53 JACK BEATTIE	61	29.49 PETER TAFT	60
26.77 RICHARD BASSI	55	26.13 DAVID COSTILL	60	32.58 CLARKE MITCHELL	63	30.32 DENNIS O'BRIEN	60

# TOP TEN - SHORT COURSE YARDS

30.35 JOHN MCGILL 60	56.24 PETER POWLISON 87	1:13.84 HORACE KNOWLTON 66	1:19.21 ROBERT KUENY 65
100 YD. FLY M E N 60-64	1:00.43 CHUCK BALDWIN 65	1:15.18 ROBERT MILLER 67	1:19.78 DICK WEBBER 66
1:03.21 DAVID COSTILL 96	1:00.96 RICHARD BENNETT 65	1:15.50 DUANE DRAVES 69	1:20.78 THOMAS SMITH 68
1:03.21 DAVID COSTILL 60	1:01.85 DONALD BAKER 65	1:15.67 THOMAS SMITH 68	1:21.25 WILLIAM IRWIN 68
1:06.51 DENNIS O'BRIEN 60	1:02.31 WILLIAM PHILLIPS 68	1:18.45 KENNETH KIMBALL 65	1:22.51 DONALD HUBBARD 68
1:08.47 EMORY HAWORTH 60	1:02.35 HAL BEGEL 66	1:18.75 FORREST SULLIVAN 66	200 YD. FLY M E N 65-69
1:10.50 RICHARD HANLEY 60	1:02.89 PHILIP CHAPMAN 65	1:20.07 PIERRE HATHAWAY 65	2:41.99 CHARLES MOSS 93
1:12.88 BOB BAILIE 60	1:03.24 DICK WEBBER 66	1:20.65 WILLIAM HAYNES 69	2:57.64 JOHN MASTERS 65
1:13.09 WILLIAM LAUER 61	1:03.30 DICK BOWER 65	200 YD. BACK M E N 65-69	3:00.01 THOMAS SMITH 68
1:13.58 STAN MORNER 61	1:03.80 WAYNE LEENGRAN 65	2:30.53 ROGER FRANKS 93	3:01.33 LENROD GOLDSTONE 66
1:13.94 CLARKE MITCHELL 63	1:03.86 WALLACE WOLF 65	2:34.68 RICHARD BENNETT 65	3:03.73 ROBERT KUENY 65
1:16.74 RON JOHNSON 64	200 YD. FREE M E N 65-69	2:37.15 ROBERT MILLER 67	3:09.08 JOSEPH KURTZMAN 69
1:16.78 JAMES DAVIES 61	2:10.80 PETER POWLISON 87	2:39.23 ROGER FRANKS 69	3:11.77 MIKE TORSNEY 65
200 YD. FLY M E N 60-64	2:17.74 WILLIAM PHILLIPS 68	2:39.58 HORACE KNOWLTON 66	3:12.43 WILLIAM IRWIN 68
2:29.92 DAVID COSTILL 96	2:20.81 WAYNE LEENGRAN 65	2:48.79 DUANE DRAVES 69	3:20.74 GEORGE LUSTIG 65
2:29.92 DAVID COSTILL 60	2:22.02 RICHARD BENNETT 65	2:50.80 KENNETH KIMBALL 65	3:20.87 LARRY SVANE 66
2:37.44 DENNIS O'BRIEN 60	2:22.36 ROBERT MILLER 67	2:51.77 JIM SEEGER 66	3:21.74 DUDLEY TARLTON 65
2:53.20 RICHARD HANLEY 60	2:22.99 WALTER BECKER 65	2:52.71 THOMAS SMITH 68	100 YD. I.M. M E N 65-69
2:55.75 RICHARD ROUSE 62	2:23.34 ROGER FRANKS 69	3:00.82 RALPH PERRY 69	1:06.74 PETER POWLISON 87
2:56.63 STAN MORNER 61	2:26.53 DICK BOWER 65	3:02.14 LUMAN SUTTON 69	1:09.35 JOHN KORTHEUER 65
2:57.08 WILLIAM LAUER 61	2:26.68 WIN WILSON 69	50 YD. BRST M E N 65-69	1:11.52 CHUCK BALDWIN 65
2:58.59 GEORGE BRUNSTAD 61	2:27.35 DONALD BAKER 65	33.24 JOSEPH KURTZMAN 91	1:14.03 THOMAS SMITH 68
3:01.12 HERB KERN 64	2:29.02 ROBERT HERITIER 67	33.52 JOHN KORTHEUER 65	1:14.17 LENROD GOLDSTONE 66
3:04.19 BUDDY BELSHE 62	500 YD. FREE M E N 65-69	35.63 THOMAS TAYLOR 65	1:14.52 WALLACE WOLF 65
3:04.23 DICK SLAWSON 60	6:11.96 WILLIAM PHILLIPS 96	35.72 PHILIP CHAPMAN 65	1:14.59 FRED LEIPZIGER 67
100 YD. I.M. M E N 60-64	6:11.96 WILLIAM PHILLIPS 68	35.98 FRED LEIPZIGER 68	1:15.47 HAL BEGEL 66
1:04.15 DAVID COSTILL 96	6:18.98 ROBERT MILLER 67	36.12 MILTON MARKS 65	1:15.95 DONALD BAKER 65
1:04.15 DAVID COSTILL 60	6:23.91 ROGER FRANKS 69	36.29 CHUCK BALDWIN 65	1:15.97 ROBERT MACDONALD 67
1:06.94 BOB BAILIE 60	6:26.05 WAYNE LEENGRAN 65	36.69 JOHN MASTERS 65	1:16.62 TED HAARTZ 68
1:08.25 RONALD JOHNSON 64	6:32.14 WIN WILSON 69	36.73 ROBERT MACDONALD 67	200 YD. I.M. M E N 65-69
1:08.33 WALLY DOBLER 62	6:33.66 WALTER BECKER 65	37.20 TED HAARTZ 67	2:35.07 CHARLES MOSS 93
1:09.87 CAV CAVANAUGH 60	6:42.36 ROGER CAMPBELL 65	37.54 HORACE KNOWLTON 66	2:42.88 ROBERT MILLER 67
1:09.97 GRAHAM JOHNSTON 64	6:42.38 KENNETH KIMBALL 65	100 YD. BRST M E N 65-69	2:46.28 HORACE KNOWLTON 66
1:10.01 DONALD BROWN 62	6:49.69 ROBERT HERITIER 67	1:14.44 JOHN KORTHEUR 96	2:47.93 ROGER FRANKS 69
1:10.72 JACK BEATTIE 61	6:51.39 THOMAS TAYLOR 65	1:14.44 JOHN KORTHEUR 65	2:48.24 LENROD GOLDSTONE 66
1:11.15 A. EMORY HAWORTH 60	1000 YD. FREE M E N 65-69	1:19.07 CHUCK BALDWIN 65	2:49.44 JOHN KORTHEUR 65
1:11.16 GEORGE THAYER 60	12:54.98 WILLIAM PHILLIPS 96	1:21.09 ROBERT MACDONALD 67	2:52.03 JOHN MASTERS 65
200 YD. I.M. M E N 60-64	12:54.98 WILLIAM PHILLIPS 68	1:21.31 FRED LEIPZIGER 68	2:52.05 THOMAS SMITH 68
2:23.94 DAVID COSTILL 96	13:13.09 WIN WILSON 69	1:21.63 THOMAS TAYLOR 65	2:52.74 CHUCK BALDWIN 65
2:23.94 DAVID COSTILL 60	13:18.31 ROGER FRANKS 69	1:24.12 HORACE KNOWLTON 66	2:57.23 GORDON GILLIN 65
2:30.37 GRAHAM JOHNSTON 64	13:57.00 ROBERT HERITIER 67	1:24.58 MILTON MARKS 65	3:01.02 DON KORTEN 69
2:31.78 DONALD BROWN 62	14:04.09 THOMAS TAYLOR 65	1:24.73 KENNETH FLYNN 66	400 YD. I.M. M E N 65-69
2:34.06 EMORY HAWORTH 60	14:16.80 ED KERSWILL 69	1:25.13 TED HAARTZ 68	5:34.61 CHARLES MOSS 93
2:35.28 LARRY GOOD 62	14:33.88 ROGER CAMPBELL 65	1:25.44 DONALD BAKER 65	6:04.02 LENROD GOLDSTONE 66
2:35.66 DENNIS O'BRIEN 60	14:36.30 KEN KIMBALL 65	200 YD. BRST M E N 65-69	6:09.86 ROGER FRANKS 69
2:35.78 JOHN MCGILL 60	14:58.02 FRED LEHMAN 65	2:50.91 JOHN KORTHEUR 96	6:10.38 HORACE KNOWLTON 66
2:36.91 BOB BAILIE 60	15:01.78 JAMES PITTS 65	2:50.91 JOHN KORTHEUR 65	6:10.98 JOHN MASTERS 65
2:39.59 BUZ BRENTON 61	1650 YD. FREE M E N 65-69	3:02.03 ROBERT MACDONALD 67	6:31.16 THOMAS SMITH 68
2:41.22 CAV CAVANAUGH 60	21:39.42 ROGER FRANKS 93	3:04.47 FRED LEIPZIGER 68	6:34.08 MILTON MARKS 65
400 YD. I.M. M E N 60-64	22:12.63 WIN WILSON 69	3:05.70 TED HAARTZ 68	6:35.29 DON KORTEN 69
5:18.48 DAVID COSTILL 96	22:14.65 ROGER FRANKS 69	3:06.73 ROBERT KUENY 65	6:36.97 FRED BARTLETT 65
5:18.48 DAVID COSTILL 60	22:28.35 WAYNE LEENGRAN 65	3:07.06 THOMAS TAYLOR 65	6:41.11 MIKE TORSNEY 65
5:27.14 GRAHAM JOHNSTON 64	22:49.05 THOMAS TAYLOR 65	3:11.98 KENNETH FLYNN 66	6:41.72 LUMAN SUTTON 69
5:42.69 LARRY GOOD 62	23:21.10 KENNETH KIMBALL 65	3:13.59 MILTON MARKS 65	*****
5:43.15 BUZ BRENTON 61	23:54.01 ROGER CAMPBELL 65	3:17.63 ALAN MALONEY 67	50 YD. FREE M E N 70-74
5:51.40 DENNIS O'BRIEN 60	24:24.53 FRED TRASK 68	3:18.09 LARRY SVANE 65	26.90 FRANK PIEMME 95
5:53.64 SAM JONES 60	24:48.10 FRED LEHMAN 65	50 YD. FLY M E N 65-69	27.96 FRANK PIEMME 71
5:55.16 WILLIAM LAUER 61	25:21.75 ROBERT BEACH 65	29.42 FRANK PIEMME 91	28.18 PAUL HUTINGER 71
5:57.14 JAMES JOHNSEN 60	25:28.70 ART TEBBENS 66	29.53 JOHN KORTHEUR 65	29.29 ROBERT BLAKE 71
6:02.28 GEORGE BRUNSTAD 61	50 YD. BACK M E N 65-69	30.67 HAL BEGEL 66	29.71 JURGEN SCHMIDT 73
6:02.87 DICK SLAWSON 60	31.26 PAUL HUTINGER 93	30.74 CHUCK BALDWIN 65	29.91 DUANE DRAVES 70
*****	31.91 RICHARD BENNETT 65	31.84 DICK WEBBER 66	30.77 JOHN FLORANCE 72
50 YD. FREE M E N 65-69	32.94 HORACE KNOWLTON 66	32.22 WIN WILSON 69	31.02 JOHN WOODS 72
25.62 PETER POWLISON 87	33.33 WALLACE WOLF 65	32.43 THOMAS SMITH 68	31.06 FRANK GRANNIS 71
26.82 CHUCK BALDWIN 65	33.78 THOMAS SMITH 68	32.65 DONALD HUBBARD 68	31.21 D BROWN 70
26.86 PHILIP CHAPMAN 65	34.04 FORREST SULLIVAN 66	32.98 WALLACE WOLF 65	31.33 BENEDICT REYNOLDS 70
27.02 RICHARD BENNETT 65	34.08 HAL BEGEL 66	33.07 LENROD GOLDSTONE 66	100 YD. FREE M E N 70-74
27.29 JOHN KORTHEUER 65	34.16 JIM SEEGER 66	33.26 JOHN MASTERS 65	1:00.80 FRANK PIEMME 95
27.48 WALLACE WOLF 65	34.96 DUANE DRAVES 69	100 YD. FLY M E N 65-69	1:01.93 FRANK PIEMME 71
27.70 DICK BOWER 65	35.48 PIERRE HATHAWAY 65	1:09.77 JOSEPH KURTZMAN 91	1:07.22 ED KERSWILL 70
27.77 HAL BEGEL 66	35.55 KENNETH KIMBALL 65	1:12.22 JOHN KORTHEUR 65	1:07.71 ROBERT BLAKE 71
27.83 DICK WEBBER 66	100 YD. BACK M E N 65-69	1:13.08 WIN WILSON 69	1:10.74 JOHN FLORANCE 72
27.87 KENNETH KIMBALL 65	1:09.79 RICHARD BENNETT 96	1:15.20 HAL BEGEL 66	1:11.44 JOHN WOODS 72
27.88 DONALD BAKER 65	1:09.79 RICHARD BENNETT 65	1:18.07 JOHN MASTERS 65	1:12.13 WAYNE SHADBOLT 71
100 YD. FREE M E N 65-69	1:13.52 ROGER FRANKS 69	1:18.87 LENROD GOLDSTONE 66	1:12.29 FRANK GRANNIS 71

# TOP TEN - SHORT COURSE YARDS

1:14.37 F PILCH	71	200 YD. BACK M E N 70-74	3:14.75 LEE ARTH	71	2:54.56 FRED TAIOLI	75
1:14.94 KEITH CARTER	71	2:42.35 PAUL HUTINGER	3:21.77 KEITH CARTER	71	2:57.27 RICHARD SMITH	75
1:15.07 D BROWN	70	2:49.02 PAUL HUTINGER	3:29.63 ARTHUR KOBLISH	72	3:00.69 L GIBERSON	75
200 YD. FREE M E N 70-74		2:49.10 DUANE DRAVES	3:31.44 ART KELLEY	70	3:01.49 PETE OKUMOTO	79
2:17.64 FRANK PIEMME	95	2:59.24 LEE ARTH	3:39.50 JOHN CRANCH	73	3:04.90 ROBERT JOHNSTON	78
2:28.12 ED KERSWILL	70	3:08.09 CALVIN BARNES	3:54.88 BILL STADIG	73	3:09.67 BARNET PHILLIPS	78
2:33.67 JURGEN SCHMIDT	73	3:08.66 GEORGE BRINTON	4:12.35 WARREN FOSTER	70	3:15.44 ED LAMBERT	75
2:37.59 DUANE DRAVES	70	3:14.17 DALE WEBSTER	4:12.86 ALEX MCINTOSH	72	500 YD. FREE M E N 75-79	
2:38.90 ROBERT BLAKE	71	3:15.82 JAMES EDWARDS	4:16.38 DOUG STRONG	71	7:00.88 RAY TAFT	95
2:39.95 WAYNE SHADBOLT	71	3:16.51 GAETANO PAVONE	100 YD. I.M. M E N 70-74		7:15.27 RAYMOND TAFT	76
2:40.42 BENEDICT REYNOLDS	70	3:17.98 JOHN WOODS	1:11.72 FRANK PIEMME	95	7:26.31 ALDO DA ROSA	78
2:45.53 ARTHUR KOBLISH	72	3:19.53 WILFORD DOLPHIN	1:15.44 DUANE DRAVES	70	7:35.78 STEVE CARLSON	76
2:46.26 JOHN WOODS	72	50 YD. BRST M E N 70-74	1:17.63 PAUL HUTINGER	71	7:45.36 RICHARD SMITH	75
2:46.90 JAMES EDWARDS	73	35.35 BARTON GREENBERG	1:19.76 M.FLANAGAN (JR.)	71	7:49.36 DAN MILES	75
2:48.08 GILBERT YOUNG	74	35.68 JOSEPH KURTZMAN	1:21.79 KEITH CARTER	71	7:49.84 FRED TAIOLI	75
500 YD. FREE M E N 70-74		36.01 BARTON GREENBERG	1:26.06 JOHN WOODS	72	8:17.77 ROBERT JOHNSTON	79
6:25.12 FRANK PIEMME	95	38.19 M.FLANAGAN (JR.)	1:27.07 EARL WALTER	74	8:31.13 JOHN MERRILL	79
6:46.62 ED KERSWILL	70	39.01 E.RUDLOFF	1:27.65 FRANK GRANNIS	71	8:31.39 L GIBERSON	75
7:03.95 JURGEN SCHMIDT	73	39.02 PAUL HUTINGER	1:28.02 WAYNE SHADBOLT	71	9:00.88 ED LAMBERT	75
7:23.63 WAYNE SHADBOLT	71	40.11 LAWRENCE GALLAHER	1:28.10 JOHN EMANUEL	71	1000 YD. FREE M E N 75-79	
7:30.38 DICK UPSALL	71	40.68 GEORGE MELICK	1:30.79 RAYMOND HAKOMAKI	74	14:14.46 RAY TAFT	95
7:32.84 ROBERT BLAKE	71	41.14 KEITH CARTER	200 YD. I.M. M E N 70-74		14:45.94 RAYMOND TAFT	76
7:40.53 BENEDICT REYNOLDS	70	41.19 A.EREMCHUK	2:47.68 BIRCH DAVIDSON	89	15:08.15 ALDO DA ROSA	78
7:41.09 GILBERT YOUNG	73	41.32 JOHN EMANUEL	2:47.74 FRANK PIEMME	71	16:11.95 RICHARD SMITH	76
7:49.76 WILLIAM BLANCHARD	72	100 YD. BRST M E N 70-74	2:57.21 LEE ARTH	71	16:22.28 ROBERT JOHNSTON	78
7:51.08 JAMES EDWARDS	73	1:19.95 BARTON GREENBERG	3:05.15 JURGEN SCHMIDT	73	16:33.80 DAN MILES	75
7:52.20 DOUG STRONG	71	1:20.89 BARTON GREENBERG	3:11.90 ED KERSWILL	70	16:48.49 FRED TAIOLI	75
1000 YD. FREE M E N 70-74		1:27.31 M.FLANAGAN (JR.)	3:18.29 ARTHUR KOBLISH	72	18:16.04 BUD JACKSON	76
13:11.09 FRANK PIEMME	95	1:28.72 PAUL HUTINGER	3:19.78 JOHN WOODS	72	18:20.04 EDWARD MORAN	78
13:16.03 FRANK PIEMME	71	1:28.76 E.RUDLOFF	3:20.12 JOHN EMANUEL	71	18:30.56 L GIBERSON	75
14:24.44 ED KERSWILL	70	1:31.58 KEITH CARTER	3:21.75 EARL WALTER	74	19:37.08 JOHN WOODS	78
14:43.26 JURGEN SCHMIDT	73	1:34.19 JOHN STERN	3:24.28 ROBERT BLAKE	71	1650 YD. FREE M E N 75-79	
15:33.45 WAYNE SHADBOLT	71	1:34.61 GEORGE MELICK	3:27.59 ART KELLEY	70	24:40.71 RAY TAFT	95
15:35.68 DICK UPSALL	71	1:34.74 JOHN EMANUEL	400 YD. I.M. M E N 70-74		24:48.87 RAYMOND TAFT	76
15:35.87 ROBERT BLAKE	71	1:34.94 LAWRENCE GALLAHER	6:05.24 FRANK PIEMME	95	25:58.93 ALDO DA ROSA	78
15:45.21 GILBERT YOUNG	74	1:35.88 RAYMOND HAKOMAKI	6:10.00 FRANK PIEMME	71	26:36.29 DAN MILES	75
16:04.00 WILLIAM BLANCHARD	72	200 YD. BRST M E N 70-74	6:32.19 LEE ARTH	71	26:45.82 FRED TAIOLI	75
16:04.32 JAMES EDWARDS	73	3:01.23 FRANK PIEMME	7:03.12 KEITH CARTER	71	26:46.15 RICHARD SMITH	75
16:16.52 DOUG STRONG	71	3:02.98 BARTON GREENBERG	7:07.71 ARTHUR KOBLISH	72	27:28.09 ROBERT JOHNSTON	79
1650 YD. FREE M E N 70-74		3:04.49 FRANK PIEMME	7:23.15 ART KELLEY	70	29:45.68 JOHN MERRILL	79
22:18.56 FRANK PIEMME	96	3:14.16 PAUL HUTINGER	7:26.41 CALVIN BARNES	72	29:47.45 EDWARD MORAN	78
23:55.74 ED KERSWILL	70	3:25.33 E.RUDLOFF	7:43.61 ROBERT BLAKE	71	30:30.77 BILL ODMAN	76
24:18.35 LEE ARTH	71	3:27.48 JOHN EMANUEL	7:51.46 BILL STADIG	73	30:39.91 ED LAMBERT	75
26:52.87 WILLIAM BLANCHARD	72	3:35.78 GEORGE MELICK	7:52.22 JK EDWARDS	72	50 YD. BACK M E N 75-79	
26:55.07 GILBERT YOUNG	73	3:40.49 JOHN STERN	7:54.01 DOUG STRONG	71	34.84 RAY TAFT	95
26:59.72 ROBERT BLAKE	71	3:41.07 NORMAN GARSOE	*****		35.72 RAYMOND TAFT	76
27:14.66 GLYNN JONES	71	3:41.15 JIM MORREL	50 YD. FREE M E N 75-79		39.32 ALDO DA ROSA	78
27:24.33 JK EDWARDS	72	3:43.19 TOM MC CALL	28.73 KELLEY LEMMON	87	39.58 JOHN BRICKER	75
27:37.02 CALVIN BARNES	72	50 YD. FLY M E N 70-74	29.95 RAYMOND TAFT	76	40.05 JOHN MERRILL	79
28:34.16 WARREN KAYE	72	30.59 FRANK PIEMME	30.90 JAY CRADDOCK	75	40.35 C EDWARD JOHNSON	77
29:06.07 ELLIOTT SCHOFIELD	73	32.45 JOSEPH KURTZMAN	32.05 BIRCH DAVIDSON	77	40.68 RAYMOND HAKOMAKI	75
50 YD. BACK M E N 70-74		33.03 DUANE DRAVES	32.13 L GIBERSON	75	40.79 BIRCH DAVIDSON	77
31.84 PAUL HUTINGER	95	33.09 PAUL HUTINGER	32.31 S WILEY	75	41.44 BILL WOOSLEY	78
33.28 PAUL HUTINGER	71	33.95 KEITH CARTER	32.65 STEVE CARLSON	76	42.73 A.WEGHE	79
35.03 DUANE DRAVES	70	34.15 JURGEN SCHMIDT	32.75 ALDO DA ROSA	78	43.15 WHITNEY PEARSON	75
36.31 BARTON GREENBERG	70	35.59 M.FLANAGAN (JR.)	32.88 WHITNEY PEARSON	75	100 YD. BACK M E N 75-79	
37.33 DALE WEBSTER	70	38.88 JOHN PANDAK	32.98 RICHARD LOIZEAUX	76	1:17.67 RAYMOND TAFT	95
38.02 JOHN WOODS	72	39.57 EARL WALTER	33.12 WILLIAM JOHNSTON	77	1:23.20 RAYMOND TAFT	76
38.25 GEORGE BRINTON	71	39.58 FRANK GRANNIS	100 YD. FREE M E N 75-79		1:28.55 JOHN MERRILL	79
38.40 JACK TRUBY	71	39.88 PIERCE BRAY	1:04.28 KELLEY LEMMON	88	1:29.24 JOHN BRICKER	75
38.88 GAETANO PAVONE	72	100 YD. FLY M E N 70-74	1:09.29 RAYMOND TAFT	76	1:29.27 ALDO DA ROSA	78
38.92 EARL WALTER	74	1:15.97 FRANK PIEMME	1:09.64 JAY CRADDOCK	75	1:31.66 RAYMOND HAKOMAKI	75
39.06 JOHN MURPHY	71	1:16.54 JOSEPH KURTZMAN	1:12.00 ALDO DA ROSA	78	1:34.61 BILL WOOSLEY	78
100 YD. BACK M E N 70-74		1:20.06 KEITH CARTER	1:13.18 STEVE CARLSON	76	1:34.87 WHITNEY PEARSON	75
1:11.56 PAUL HUTINGER	95	1:28.41 LEE ARTH	1:15.70 L GIBERSON	75	1:35.59 A.WEGHE	79
1:14.86 PAUL HUTINGER	71	1:32.77 ART KELLEY	1:17.45 RICHARD SMITH	75	1:38.37 JOHN WHITE	79
1:16.23 DUANE DRAVES	70	1:34.97 FRANK GRANNIS	1:17.90 WHITNEY PEARSON	75	1:40.91 DAN MILES	75
1:23.62 DALE WEBSTER	70	1:36.62 PIERCE BRAY	1:18.70 RICHARD LOIZEAUX	76	200 YD. BACK M E N 75-79	
1:26.26 GEORGE BRINTON	71	1:38.70 JOHN STERN	1:20.27 LYNN SURLS	78	2:54.21 RAYMOND TAFT	95
1:27.55 JOHN WOODS	72	1:41.10 EARL WALTER	1:22.16 CALVIN SCHAEFFER	78	3:00.83 RAYMOND TAFT	76
1:27.75 CALVIN BARNES	72	1:43.65 ROBERT HARRIS	200 YD. FREE M E N 75-79		3:11.88 ALDO DA ROSA	78
1:27.99 JACK TRUBY	71	1:49.24 WARREN FOSTER	2:27.09 RAY TAFT	95	3:16.24 JOHN MERRILL	79
1:28.37 JOHN MURPHY	71	200 YD. FLY M E N 70-74	2:43.35 ALDO DA ROSA	78	3:24.44 RAYMOND HAKOMAKI	75
1:28.41 GAETANO PAVONE	72	2:53.57 JOSEPH KURTZMAN	2:45.58 STEVE CARLSON	76	3:25.66 B MCCARTHY	78
1:29.75 JAMES EDWARDS	73	2:53.57 JOSEPH KURTZMAN	2:52.76 DAN MILES	75	3:39.68 BILL EIBL	78

# TOP TEN - SHORT COURSE YARDS

3:41.56 JOHN WHITE	79	1:16.12 RAY TAFT	95	9:32.15 JIM TRIOLO	82	1:32.72 KELLEY LEMMON	92
3:43.96 EDWARD MORAN	78	1:17.84 RAYMOND TAFT	76	9:32.94 HARRY BARTLETT	80	1:42.79 DON MCCULLOUGH	80
3:46.17 NORRIS FLUKE	78	1:21.68 BIRCH DAVIDSON	77	9:43.40 GENE CROSSETT	82	2:03.11 MIKE OFFNER	81
3:50.24 JOHN HAAKE	76	1:24.84 BOB MERRICK	75	9:46.99 J MATTINGLY	81	2:05.47 JOHN JOHNSTON	80
50 YD. BRST M E N 75-79		1:26.76 RAYMOND HAKOMAKI	75	10:00.82 DES SESSINGHAUS	81	2:11.29 WILLIAM GRANT	82
37.59 PAUL KRUP	93	1:28.81 MAX VONISSER	76	10:15.05 FRED WALBOLT	83	2:12.25 DEXTER WOODFORD	82
40.31 MAX VONISSER	76	1:31.01 DAN MILES	75	1000 YD. FREE M E N 80-84		2:16.79 FRANK TILLOTSON	80
40.36 ALDO DA ROSA	78	1:32.99 PAUL KRUP	78	16:53.27 DEXTER WOODFORD	94	2:21.04 C.J. HAMILTON	82
40.73 BIRCH DAVIDSON	77	1:33.35 WHITNEY PEARSON	75	17:15.61 PETE OKUMOTO	80	2:25.79 RAYMOND EDELHOFF	83
40.94 PAUL KRUP	78	1:35.17 RICHARD SMITH	75	17:43.77 DEXTER WOODFORD	82	2:26.41 JAMES PEARCE	82
41.01 BOB MERRICK	75	1:38.10 CALVIN SCHAEFFER	78	18:07.13 OBEL JAMES	80	2:29.16 CR YONAKA	80
41.36 RAYMOND TAFT	76	200 YD. I.M. M E N 75-79		19:39.12 JIM TRIOLO	82	200 YD. BRST M E N 80-84	
41.68 RAYMOND HAKOMAKI	75	2:54.67 RAYMOND TAFT	95	19:39.58 GENE CROSSETT	82	3:42.42 E DON MCCULLOUGH	96
43.63 CALVIN SCHAEFFER	78	2:57.41 RAYMOND TAFT	76	19:46.88 J MATTINGLY	81	3:42.42 DON MCCULLOUGH	80
43.88 BRUD CLEAVELAND	78	3:11.30 ALDO DA ROSA	78	20:16.66 JOHN JOHNSTON	80	4:29.45 DEXTER WOODFORD	82
45.57 CAL SCHAEFFER	78	3:16.87 BOB MERRICK	75	20:55.58 DES SESSINGHAUS	81	4:38.53 JOHN JOHNSTON	80
100 YD. BRST M E N 75-79		3:17.33 ANTON CERER	79	22:06.06 TREVOR ROE	81	5:08.44 F.H. TILLOTSON	80
1:25.80 ALDO DA ROSA	93	3:22.06 DAN MILES	75	23:04.79 FRANK TILLOTSON	80	5:37.07 EVERETT CASSELL	82
1:29.34 MAX VONISSER	76	3:27.86 RICHARD SMITH	75	1650 YD. FREE M E N 80-84		6:20.88 JERRY DONOVAN	82
1:29.62 ALDO DA ROSA	78	3:44.44 GEORGE HUBBELL	76	27:57.27 DEXTER WOODFORD	94	6:32.22 GEORGE BATKI	83
1:30.19 BOB MERRICK	75	3:57.85 BILL UHRICH	75	29:53.80 EDWARD NAKAMURA	81	6:33.27 R FLETCHER	80
1:31.20 BIRCH DAVIDSON	77	4:06.19 BRUD CLEAVLAND	78	33:32.30 JOHN JOHNSTON	80	6:57.27 G. DANENHOWER	81
1:33.89 RAYMOND HAKOMAKI	75	4:07.68 WILLIAM JOHNSTON	77	33:48.11 DES SESSINGHAUS	81	6:59.75 HENRY STEINBISS	83
1:35.07 PAUL KRUP	78	400 YD. I.M. M E N 75-79		37:06.66 TREVOR ROE	81	50 YD. FLY M E N 80-84	
1:40.91 BRUD CLEAVELAND	78	6:21.48 RAYMOND TAFT	95	37:22.93 CHARLES WOOLLS	80	40.94 JESSE COON	90
1:46.49 MURRAY EAGER	79	6:36.11 RAYMOND TAFT	76	39:29.58 DOC SCHOFIELD	82	45.16 EDWIN WOLPAW	80
1:46.95 BUD JACKSON	76	6:56.14 ALDO DA ROSA	78	50 YD. BACK M E N 80-84		47.97 JACK MATTINGLY	81
1:49.50 R WRIGHT	75	7:15.37 DAN MILES	75	39.51 EDWARD SHEA	95	48.95 WODDY BOWERSOCK	82
200 YD. BRST M E N 75-79		7:16.46 RICHARD SMITH	75	40.80 EDWARD SHEA	81	49.91 E.DON MCCULLOUGH	80
3:13.37 ALDO DA ROSA	93	8:51.73 J MERRILL	79	43.80 GARY WEISENTHAL	82	50.16 WILLIAM GRANT	81
3:24.06 ALDO DA ROSA	78	8:57.31 WILLIAM JOHNSTON	77	44.92 WODDY BOWERSOCK	82	1:00.37 JOHN JOHNSTON	80
3:26.15 BOB MERRICK	75	9:00.29 ROBERT STRINGHAM	76	46.58 DAVE MALBROUGH	83	1:24.46 C.J. HAMILTON	82
3:29.04 RAYMOND HAKOMAKI	75	*****		47.14 OBEL JAMES	80	1:33.55 RICHARD KANE	84
3:33.06 DAN MILES	75	50 YD. FREE M E N 80-84		48.45 JIM TRIOLO	82	1:34.21 GEORGE WHITE	81
3:33.41 ANTON CERER	79	31.09 WOODROW BOWERSOCK	94	49.69 ALLAN DE LAY	80	100 YD. FLY M E N 80-84	
3:36.27 PAUL KRUP	78	31.93 WODDY BOWERSOCK	82	49.87 N SEAGRAVE	80	1:39.74 WALTER PFEIFFER	94
3:36.44 RAYMOND TAFT	76	33.38 PETE OKUMOTO	80	50.29 DEXTER WOODFORD	82	1:53.81 DON MCCULLOUGH	80
3:48.90 BRUD CLEAVELAND	78	35.32 EDWARD NAKAMURA	81	51.47 CHARLES BREEDING	80	2:09.49 WILLIAM GRANT JR.	82
3:49.44 BUD JACKSON	76	36.04 ALLAN DE LAY	80	100 YD. BACK M E N 80-84		2:12.09 JOHN JOHNSTON	80
3:52.85 MURRAY EAGER	79	36.37 EDWIN WOLPAW	80	1:27.58 EDWARD SHEA	95	2:19.42 J MATTINGLY	81
50 YD. FLY M E N 75-79		36.52 WILLIAM GRANT	82	1:31.51 EDWARD SHEA	81	200 YD. FLY M E N 80-84	
33.17 BIRCH DAVIDSON	94	36.67 CHARLES BREEDING	80	1:46.58 OBEL JAMES	80	3:54.09 WALTER PFEIFFER	94
34.13 RAYMOND TAFT	76	37.43 JAMES PEARCE	82	1:46.83 DAVE MALBROUGH	83	4:51.57 JOHN JOHNSTON	80
35.99 BIRCH DAVIDSON	77	37.87 DES SESSINGHAUS	80	1:48.13 DEXTER WOODFORD	82	100 YD. I.M. M E N 80-84	
36.51 F ROBERTSON	75	38.47 DEXTER WOODFORD	82	1:48.81 JIM TRIOLO	82	1:30.08 ROBERT CHRISTIANS	96
37.13 MAX VONISSER	76	100 YD. FREE M E N 80-84		1:49.17 WALTER SOMPAYRAC	82	1:42.09 WODDY BOWERSOCK	82
39.38 L GIBERSON	75	1:12.18 WOODROW BOWERSOCK	94	1:50.14 CHARLES SALIE	83	1:42.31 DON MCCULLOUGH	80
40.09 PAUL KRUP	78	1:16.16 WODDY BOWERSOCK	82	1:53.56 F.H. TILLOTSON	81	1:43.25 JACK MATTINGLY	81
40.62 CALVIN SCHAEFFER	78	1:18.98 OBEL JAMES	80	1:55.45 WILLIAM GRANT JR.	82	1:43.73 EDWIN WOLPAW	80
41.38 ALDO DA ROSA	78	1:19.94 PETE OKUMOTO	80	1:57.52 WODDY BOWERSOCK	82	1:48.66 WILLIAM GRANT JR.	82
41.65 JOHN BRICKER	75	1:25.00 EDWARD NAKAMURA	81	200 YD. BACK M E N 80-84		1:53.69 JOHN JOHNSTON	80
43.05 R WRIGHT	75	1:26.61 DEXTER WOODFORD	82	3:12.35 EDWARD SHEA	95	2:10.03 F.H. TILLOTSON	81
100 YD. FLY M E N 75-79		1:29.22 WILLIAM GRANT JR.	82	3:20.29 EDWARD SHEA	81	2:12.03 CHARLES WOOLLS	80
1:23.77 ANDREW HOLDEN	94	1:29.35 ALLAN DE LAY	80	3:52.20 JIM TRIOLO	82	2:18.67 GIL SPEAR	81
1:36.98 PAUL KRUP	78	1:29.37 HARRY BARTLETT	80	3:55.98 DEXTER WOODFORD	82	2:21.45 WALTER SOMPAYRAC	82
1:38.22 BOB MERRICK	75	1:31.68 CHARLES BREEDING	80	3:59.69 WALTER SOMPAYRAC	82	200 YD. I.M. M E N 80-84	
1:38.24 ALDO DA ROSA	78	1:31.81 DES SESSINGHAUS	81	4:02.60 CHARLES SALIE	83	3:33.66 WALTER PFEIFFER	94
1:38.67 RICHARD SMITH	75	200 YD. FREE M E N 80-84		4:09.39 F.H. TILLOTSON	81	3:45.31 DON MCCULLOUGH	80
1:41.65 DAN MILES	75	2:49.94 KELLEY LEMMON	92	4:47.33 ROY ERLANDSON	82	4:16.22 JACK MATTINGLY	81
1:46.71 WILLIAM JOHNSTON	77	2:58.33 PETE OKUMOTO	80	4:59.65 JERRY DONOVAN	82	4:16.80 JOHN JOHNSTON	80
1:49.87 R WRIGHT	75	3:00.49 EDWARD NAKAMURA	81	5:02.20 C.J. HAMILTON	82	4:27.18 WILLIAM GRANT JR.	82
2:03.00 HERMAN FOREST	75	3:08.16 OBEL JAMES	80	5:16.00 FRED WALBOLT	83	4:48.60 GIL SPEAR	81
2:11.40 HOWARD ROSSMOORE	75	3:13.06 DEXTER WOODFORD	82	50 YD. BRST M E N 80-84		5:55.88 GEORGE WHITE	81
2:22.26 ROBERT STRINGHAM	76	3:20.53 HARRY BARTLETT	80	41.39 KELLEY LEMMON	92	7:37.33 HENRY STEINBISS	83
200 YD. FLY M E N 75-79		3:26.89 GENE CROSSETT	82	47.27 DON MCCULLOUGH	80	400 YD. I.M. M E N 80-84	
3:17.53 ANTON CERER	92	3:30.50 JOHN JOHNSTON	80	48.94 EDWIN WOLPAW	80	7:38.27 WALTER PFEIFFER	94
3:27.88 ANTON CERER	79	3:38.67 DES SESSINGHAUS	80	49.37 EDWARD NAKAMURA	81	8:10.25 E.DON MCCULLOUGH	80
3:38.39 RICHARD SMITH	76	3:40.07 CHARLES BREEDING	80	50.65 WILLIAM GRANT JR.	82	9:24.89 JOHN JOHNSTON	80
3:38.78 RAYMOND TAFT	76	3:41.18 WALTER SOMPAYRAC	82	51.91 JOHN GLENN	84	10:13.61 WILLIAM GRANT JR.	82
3:45.07 DAN MILES	75	500 YD. FREE M E N 80-84		52.76 MIKE OFFNER	81	10:27.53 GIL SPEAR	81
3:45.36 PAUL KRUP	78	8:00.65 DEXTER WOODFORD	94	53.34 JAMES PEARCE	82	*****	
4:01.11 JOHN BRICKER	75	8:20.39 PETE OKUMOTO	80	54.57 ALLAN DE LAY	80	50 YD. FREE M E N 85-89	
4:46.96 WILLIAM JOHNSTON	77	8:30.93 DEXTER WOODFORD	82	54.87 JOHN JOHNSTON	80	36.86 GERSON SOBEL	96
6:56.24 FRANK SCARANO	76	8:31.26 EDWARD NAKAMURA	81	59.57 RAYMOND EDELHOFF	82	36.86 GERSON SOBEL	85
100 YD. I.M. M E N 75-79		8:33.93 OBEL JAMES	80	100 YD. BRST M E N 80-84		41.15 FRANK BELLAIRE	85

# TOP TEN - SHORT COURSE YARDS

41.44	BILL MOLLOY	85	200 YD. BRST M E N 85-89	100 YD. BRST M E N 90-94
41.67	JOE IRVINE	85	4:34.29 AL KALLUNKI 90	2:37.23 ANDREW KALLUNKI 95
43.48	FRANK BRASINGTON	88	4:46.92 BILL MOLLOY 85	2:44.61 ANDREW KALLUNKI 91
43.62	TEX ROBERTSON	87	50 YD. FLY M E N 85-89	2:50.59 GUS LANGNER 92
43.74	DAVID MC AFEE	86	49.74 JESSE COON 95	200 YD. BRST M E N 90-94
46.86	JIM PENFIELD	87	49.74 JESSE COON 85	6:00.90 ANDREW KALLUNKI 94
50.11	JOHN MAXWELL	87	1:11.97 ROY BODINE 85	6:21.68 GUS LANGNER 92
58.30	DON NEEFE	86	100 YD. FLY M E N 85-89	6:33.45 ANDREW KALLUNKI 91
100 YD. FREE M E N 85-89			2:12.18 JESSE COON 95	50 YD. FLY M E N 90-94
1:25.24	GERSON SOBEL	95	2:12.18 JESSE COON 85	NO RECORD
1:29.38	GERSON SOBEL	85	2:49.85 ROY BODINE 85	1:35.70 PETER JURCZYK 90NV
1:40.09	FRANK BELLAIRE	85	200 YD. FLY M E N 85-89	100 YD. I.M. M E N 90-94
1:41.14	DAVID MC AFEE	86	5:29.95 JESSE COON 95	2:41.43 ANDREW KALLUNKI 95
1:41.89	TEX ROBERTSON	87	5:29.95 JESSE COON 85	2:37.44 PETER JURCZYK 90NV
1:42.87	JOE IRVINE	85	5:44.34 ROY BODINE 85	2:49.76 ANDREW KALLUNKI 91
1:50.32	FRANK BRASINGTON	88	100 YD. I.M. M E N 85-89	200 YD. I.M. M E N 90-94
1:57.99	JIM PENFIELD	87	2:00.04 AL KALLUNKI 90	6:05.72 PETER JURCZYK 96
2:12.06	JOHN MAXWELL	87	1:58.64 JESSE COON 85NV	6:05.72 PETER JURCZYK 90
2:22.95	RALPH HOYLE	86	2:09.18 JIM PENFIELD 88	*****
2:25.87	DON NEEFE	86	2:16.72 ROY BODINE 85	50 YD. FREE M E N 95-99
200 YD. FREE M E N 85-89			200 YD. I.M. M E N 85-89	1:14.35 TOM LANE 90
3:17.83	GUS LANGNER	90	4:40.51 TOM CURETON 87	NO SWIMMERS
3:29.64	GERSON SOBEL	85	4:45.56 JESSE COON 85	100 YD. FREE M E N 95-99
3:42.81	DAVID MC AFEE	86	5:01.23 ROY BODINE 85	3:20.38 TOM LANE 90
3:46.10	TEX ROBERTSON	87	5:21.40 JIM PENFIELD 87	NO SWIMMERS
4:05.08	JOE IRVINE	85	400 YD. I.M. M E N 85-89	50 YD. BACK M E N 95-99
5:21.88	DON NEEFE	86	9:47.85 HERB EISENSCHMIDT92	1:08.20 TOM LANE 89
500 YD. FREE M E N 85-89			10:18.92 JESSE COON 85	NO SWIMMERS
9:00.31	GUS LANGNER	90	11:05.59 ROY BODINE 85	100 YD. BACK M E N 95-99
10:59.59	JOE IRVINE	85	*****	3:05.81 TOM LANE 92
11:02.55	TEX ROBERTSON	86	50 YD. FREE M E N 90-94	NO SWIMMERS
16:00.48	BILL REEDER	85	46.53 JOSEPH REINERS 92	50 YD. BRST M E N 95-99
1000 YD. FREE M E N 85-89			50.68 GUS LANGNER 92	1:27.94 TOM LANE 89
18:18.29	GUS LANGNER	89	52.75 PETER JURCZYK 90	NO SWIMMERS
23:42.51	JOE IRVINE	85	53.22 JOE KAUFMAN 91	*****
32:48.74	BILL REEDER	85	100 YD. FREE M E N 90-94	50 YD. FREE M E N 100-104
1650 YD. FREE M E N 85-89			1:49.69 GUS LANGNER 95	1:31.03 TOM LANE 94
31:02.36	GUS LANGNER	90	2:00.22 GUS LANGNER 92	NO SWIMMERS
38:44.96	JOE IRVINE	85	2:09.35 JOE KAUFMAN 91	100 YD. FREE M E N 100-104
50 YD. BACK M E N 85-89			2:18.96 A.KALLUNKI 92	3:21.86 TOM LANE 94
51.65	JIM PENFIELD	94	200 YD. FREE M E N 90-94	NO SWIMMERS
56.95	JIM PENFIELD	87	3:52.04 GUS LANGNER 93	200 YD. FREE M E N 100-104
59.24	TEX ROBERTSON	86	4:29.80 GUS LANGNER 92	6:56.32 TOM LANE 94
1:00.05	JOE IRVINE	85	4:41.36 JOE KAUFMAN 91	NO SWIMMERS
1:05.67	WILLIAM MARQUETTE	87	5:07.48 PETER JURCZYK 90	
1:10.01	VARNUM PAUL	87	500 YD. FREE M E N 90-94	
1:11.75	DON NEEFE	86	10:20.59 GUS LANGNER 93	
1:21.14	JOHN MAXWELL	87	11:59.43 GUS LANGNER 92	
1:23.42	BILL REEDER	85	1000 YD. FREE M E N 90-94	
1:33.76	JAMES GREENWOOD	87	24:18.33 GUS LANGNER 95	
1:36.10	GLENN CARTER	86	25:26.59 GUS LANGNER 92	
100 YD. BACK M E N 85-89			1650 YD. FREE M E N 90-94	
1:54.21	PETER JURCZYK	90	35:31.28 GUS LANGNER 93	
2:05.43	TEX ROBERTSON	86	NO SWIMMERS	
2:06.63	JIM PENFIELD	88	50 YD. BACK M E N 90-94	
2:49.43	DON NEEFE	86	1:04.22 PETER JURCZYK 95	
2:58.97	BILL REEDER	85	1:02.86 PETER JURCZYK 90NV	
3:07.30	JOHN MAXWELL	87	1:06.34 JOE KAUFMAN 91	
200 YD. BACK M E N 85-89			1:09.16 A.KALLUNKI 92	
4:13.75	JIM PENFIELD	93	1:12.69 GUS LANGNER 92	
4:33.01	TEX ROBERTSON	86	100 YD. BACK M E N 90-94	
5:10.05	ROY BODINE	85	2:18.42 JOE KAUFMAN 95	
6:01.40	BILL REEDER	85	2:17.30 PETER JURCZYK 90NV	
50 YD. BRST M E N 85-89			2:19.32 JOE KAUFMAN 91	
52.09	JIM PENFIELD	93	2:39.32 A.KALLUNKI 92	
54.37	BILL MOLLOY	85	200 YD. BACK M E N 90-94	
54.82	JIM PENFIELD	88	4:47.96 JOE KAUFMAN 96	
1:25.08	JOHN MAXWELL	87	4:47.96 JOE KAUFMAN 91	
1:33.41	RALPH HOYLE	86	5:00.74 PETER JURCZYK 90	
2:16.98	DON NEEFE	86	6:32.23 GUS LANGNER 92	
100 YD. BRST M E N 85-89			50 YD. BRST M E N 90-94	
2:03.10	JIM PENFIELD	93	1:08.24 ANDREW KALLUNKI 94	
2:04.36	BILL MOLLOY	85	1:10.16 A.KALLUNKI 92	
2:14.32	JIM PENFIELD	87	1:10.53 ANDREW KALLUNKI 91	
3:42.47	RALPH HOYLE	86	1:16.87 GUS LANGNER 92	

# TOP TEN - SHORT COURSE YARDS

*****		SARA SHAND	31	ROBYNN MASTERS	37	USF	2:24.83
RELAYS: WOMEN 200 YD. FREE		RMM	1:44.77	KAREN OLIVER	36	JAN BREWER	46
*****		SHELLE MARSH	31	CATHY PHILPOT	39	B.BRINKERHOFF	45
19 +		LAURA MCKEEVER	28	DSMC	1:48.11	SUSAN LOMBARDI	47
R:HOLMES LUMBER 92	1:38.68	TIFFANY FORBES	29	ANDREA NAUTA	36	MARTHA CAMPBELL	47
KIMBERLY BEATTIE		KIMBERLY GEIL	26	JUDY TIBMA	39		
MARY ROEBUCK		EMP	1:45.15	CHRIS KELLY	41	55 +	
LINDA NEARY		ROBERTA BERNET	30	CATHY SHONKWILER	36	R:D.C. MASTERS 95	2:04.38
SUDI MILLER		KAREN FARNSWORTH	40	PNA	1:49.16	BARBARA ZAREMSKI	
SDSM	1:43.02	CHERYL BARANY	31	DEBBIE GLASSMAN	42	BETTY BREY	
D.MORTENSEN	24	MARGARET MONTESI	32	ROBIN O'LEARY	38	JOANN LEILICH	
NANCY NORTH	27	USF	1:45.17	MARY LIPPOLD	40	JAYNE BRUNER	
MICHELE DIXON	26	C.FLORKOWSKI	28	CHARLOTTE DAVIS	46	RINC	2:13.59
VICKY DAVIDSON	31	SUZANNE THOMSON	30	WCM	1:51.99	ANN KAY	62
WCM	1:44.06	SARAH QUICK	32	DIANE HEINSON	40	SUSAN SPRINGER	57
ANN OBERG	24	DEA FREDERICK	32	DEBBIE FLANSBURG	40	BARBARA CALLISON	63
KATHLEEN HARTNETT	23	ARIZ	1:45.63	CHARLENE O'BRIEN	39	CAROL MACPHERSON	57
SUSAN STRONG	24	MARIKA JOHNSON	33	PATTY LANDERS	39	SDSM	2:19.15
SARA GARDENAL	31	KAREN ANDREWS	33	USF	1:52.78	BETSY JORDAN	59
USF	1:44.76	RANE STITES	32	MARLA MCGOWAN	41	ANN DALLAM	65
JENNIFER COLLINS	24	LIZ HOBBS	34	LINDA STANLEY	39	LYNNE LUND	55
PAMELA FRANKLIN	26	USF	1:46.29	S.WINCKLER	35	JEANNE LITTLE	59
KRISTA KENNEL	23	NATALIE EFFA	28	LYNN DE GEORGE	35	SPM	2:19.56
L.CLAVADETSCHER	25	ANWAR YASMIN	25			JAYNE LAMBKE	56
FCMC	1:46.21	JILL ROTHKOPF	29	45 +		SANDY STEER	56
CANDICE CHAM	23	CORY MACKIE	32	R:LOS ALTOS 94	1:53.98	M.EVERY	55
ELKE HOFFMAN	24	SCAQ	1:47.04	ARLENE PROEBSTING		FLORENCE CARR	70
STEPHANIE BEISER	27	ANDREA BARDIN	27	SUSAN ROY		WCM	2:22.73
SLONAINN MARCOUX	23	KATIE PITKIN	33	KRISTINA KING		MIDGE KRAETZER	57
RMM	1:47.79	PAM LAZZAROTTO	34	CAROLYN BOAK		JOAN ALEXANDER	64
M.HOLMQUIST	24	ANDREA BENNETT	29	LAM	1:59.40	DONNA MONROE	62
E.ZENTGRAF	27	BEAC	1:47.65	MARGUERITE HANSEN	46	BARBARA JORDAN	58
KIM CROUCH	34	PATRICIA MITCHELL	27	ARLENE PROEBSTING	53	SDSM	2:24.16
ROSIE SHEPPARD	26	JILL KEENAN	27	KRISTINA KING	48	SANDRA VICKERS	56
SNM	1:48.52	S.MUNATONES	31	CAROLYN BOAK	51	DUDLEY WOOD	57
KAREN LEFEBRE	28	KATHY UTLEY	25	SNM	2:01.63	JANET LAMOTT	59
NANCY ROSE	34	UTAH	1:47.94	SALLY DILLON	49	DEBORAH PECKHAM	56
GWEN SHONKWILER	38	STACEY TOBEY	27	SUSAN TYLER	47	NEM	2:26.13
BONNIE FRYER	24	JULIE BILLS	27	SARAH TYLER	51	MARIAN COAKLEY	58
TOC	1:48.71	JENNIFER WILLIAMS	27	CELESTE MILLER	46	DIANE REED	65
SHARON SCOTT	24	CARYL BROWN	31	ARIZ	2:01.89	PAT PETERSEN	60
C.HELIMAN	29			JACKIE MARR	52	CLAIRE O'BRIEN	57
PHYLLIS QUINN	40	35 +		KATHY KRUCKER	47	MARY	2:27.11
LAURA RANDALL	28	R:NEW ENGLAND 95	1:42.61	JUDY GILLIES	48	MARJORIE PEARSALL	57
NEM	1:48.79	JENNIFER LUKER		JONELLE SCHMIDT	45	FRANCES HAYWOOD	64
BROOKE KUFFEL	22	JOEL FELDMANN		MARY	2:03.40	FRANCES WESTON	56
GILLIAN FUCIANA	28	CONSTAN HALLETT		MARTI BETZ	46	NANCY BROWN	60
BETH ALTCEK	29	GAYLE WETTACH		MARGE BURLEY	50	USF	2:29.00
PAULA POLLARD	32	WCM	1:45.05	LYNNE BRAGG	49	SUSAN LANGDON	55
STAN	1:48.92	KATHY GUINN	41	KAREN WILLIAMS	48	NANCY STRETCH	56
CHRISTINA WONG	22	MINDY HAMWAY	37	RINC	2:04.63	TANAKO HAGIWARA	57
KANA SHIBUYA	24	CAREN MCNAMARA	35	MARIANNE BREMS	47	CAROL REQUADT	58
JANE WORDEN	32	PAULA ROEMER	35	NANCY BROOKS	53	CATM	2:51.45
C.CHICHESTER	32	NEM	1:45.35	RUTH PETERSON	49	MARYLYN ORETO	62
CRUZ	1:49.30	BARBARA CROWDER	38	SUE KELLY	48	NANCY DURSTEIN	66
SHERRY COOK	31	K.NISLEY-BLACK	40	RMM	2:09.79	WINNIE WALTER	74
JESSICA HANCHER	21	JOEL FELDMANN	44	JUDY REED	52	JOAN CAMPBELL	65
HEIDI SUSSMAN	27	JENNIFER LUKER	39	ANNE OAKLEY	50	SWSM	2:56.22
ELAINE WIMER	36	TOC	1:46.50	JEAN WOOD	48	BARBARA GREEN	55
		DANIELLE OGIER	43	TRUDY KLATT	46	GAYE JOHNSON	64
25 +		CAROL BADGER	36	OREG	2:12.52	JO ANN VOGEL	57
R:LONE STAR 89	1:37.40	MARGUERITE MEYER	37	J.CHASTAIN-ARVIDS	50	ALICE LAWRENCE	66
LISA JACKSON		CORINNA SEIBT	35	PEGGY WHITER	52		
BRIGITTE HEUER		MARY	1:46.69	SUZANNE RAGUE	45	65 +	
L.MORRISON-CASEY		SUSAN MARINZEL	43	SANDI ROUSSEAU	48	R:GOLD COAST 95	2:17.37
AMY PLESS		JILL SPRINGER	37	NEM	2:14.26	BLANCHE GRAVER	
RMM	1:40.16	GLADNEY MCKAY	35	CONSTANCE SASSER	49	JUNE KRAUSER	
COLLETTE SAPPEY	31	L HASSELQUIST	38	CLAIRE O'BRIEN	57	MARGARE TIMMINS	
ELLEN ATKINSON	33	STAN	1:47.05	CAROL ADAMS	52	CYNTHIA BRUCE	
LAUREEN WELTING	30	EILEEN WALL	38	DIANE REED	65	WCM	2:36.00
CHRISTY LIPSON	26	NANCY LEWIS	36	DAM	2:14.27	BETTY MCMILLAN	67
WCM	1:40.92	MARGARET LLOYD	35	SUSAN MUNN	57	BETTY BARABASH	67
MICHELLE GHIGGERI	27	KIMBERLY CARLISLE	35	MARY HORTON	53	ELFRIEDE ROGERS	68
WENDY INGRAHAM	32	UTAH	1:47.56	GAYLE BONDURANT	49	ANN HIRSCH	65
PENNY LEACH	33	LO KNAPP	41	BETTY DUGAN	54	OSB	2:40.53

# TOP TEN - SHORT COURSE YARDS

MALCHIA OLSHAN	65	GCMT	2:00.98	SUSIE BLAKE	30	C.SCHROEDER	
RUTH FARNHAM	66	C WOODRUFF	25	THERESA HESSLER	43	LAM	2:15.75
GRACE ALTUS	72	ANDREA SCHMIDT	24	ARIZ	2:01.71	MARGUERITE HANSEN	46
RUTH BAAR	73	ANDREA PALMER	36	JOAN AMBROSE	36	CAROLYN BOAK	51
RINC	2:53.99	CAREN MACLEAN	24	LAURA WINSLOW	36	KRISTINA KING	48
NAN BLACKLEDGE	71	DAM	2:01.03	MARIKA JOHNSON	33	ARLENE PROEBSTING	53
TERRY ACHELIS	72	TATE BIRNIE	21	LIZ HOBBS	34	MARY	2:19.05
SALLY SCHOLER	72	CHRISTINE SCHULTZ	24	RMM	2:03.15	MARTI BETZ	46
PATSY WEISS	73	STEPHANIE KOOP	32	LAURA MCKEEVER	28	MARGE BURLEY	50
WCM	3:10.53	LAURA THIRION	20	CHRISTY LIPSON	26	VIKI ALTOMONTE	46
SALLY JOY	79	UTAH	2:01.08	MARY HAAN	42	KAREN WILLIAMS	48
JEAN DURSTON	81	AMY SHARP	23	KIMBERLY GEIL	26	NEM	2:19.45
FLORENCE LINKE	65	LISA KUWAHARA	33			CAROL ADAMS	52
JAE HOWELL	73	JULIE BILLS	27	35 +		CONNIE SASSER	49
MARY	3:19.19	STACEY TOBEY	27	R:WALNUT CREEK	96 1:56.99	EVELYN HAUSBERGER	51
JANE ROSSELL	74	NEM	2:01.26	PATTY LANDERS		AAGJE CARON	54
DORIS RUSSELL	75	JEAN KENYON	23	DIANE HEINSON		VMST	2:23.56
MARGARET GAIL	76	KARLA DROPO	36	CAREN MONAMARA		JUDY MARTIN	53
CAROL KNEPP	70	NANCY THOMPSON	31	PAULA ROEMER		BETSY DURRANT	54
OREG	4:12.28	LORI SHEEHAN	24	WCM	1:56.99	TERRY SUE GAULT	45
KATHLEEN HUGHES	69	CRUZ	2:01.31	PATTY LANDERS	39	NANCY MILLER	46
ELFIE STEVENIN	74	JESSICA HANCHER	21	DIANE HEINSON	40	RMM	2:23.88
HELENA HOFFMAN	80	HEIDI SUSSMAN	27	CAREN MCNAMARA	35	JUDY REED	52
JUDY MELCHER	75	SHERRY COOK	31	PAULA ROEMER	35	J.SCHREIBER	49
75 +		ELAINE WIMER	36	NEM	1:58.44	JEAN WOOD	48
R:WALNUT CREEK	96 3:19.18	RMM	2:03.53	JOEL FELDMANN	44	ANNE OAKLEY	50
SALLY JOY		JENNIFER ROCKE	30	ANDRA JAUNZEME	43	OREG	2:25.58
MARY JANE REEVES		JENNIFER THOMPSON	29	JENNIFER LUKER	39	J.CHASTAIN-ARVIDS	50
JEAN DURSTON		M.HOLMQUIST	24	TRACY GRILLI	39	SANDI ROUSSEAU	48
PAT PREVETZ		E.ZENTGRAF	27	TAM	2:00.03	SUZANNE RAGUE	45
SMHM	3:13.33NV	25 +		LESLIE ULEN	38	PEGGY WHITER	52
AUDREY ETIENNE	79	R:HOUSTONIAN	91 1:49.19	HILARY MAIN	36	EMP	2:25.88
HILDA BUEL	82	TORI SMITH		R.BRITTINGHAM	44	CHRISTINE ZIMMET	48
ZADA TAFT	76	CORRIN CONVIS		CINDY CLEMENTS	35	PHYLLIS SPRINGER	46
EDIE GOLDMAN	85	DEBBIE RISEN		ANDREA NAUTA	36	JOZEFA MUSZYNSKI	49
WCM	3:19.18	BRIGITTE HEVER		JUDY TIBMA	39	ANN MCDONNELL	57
SALLY JOY	79	RMM	1:52.74	CATHY SHONKWILER	36	RINC	2:32.55
MARY REEVES	79	SHELLE MARSH	31	CHRIS KELLY	41	SUSAN SPRINGER	57
JEAN DURSTON	81	ELLEN ATKINSON	33	UTAH	2:01.32	NANCY BROOKS	53
PATRICIA PREVETZ	75	LAUREEN WELTING	30	KAREN OLIVER	36	SUE KELLY	48
PNA	4:28.81	COLLETTE SAPPEY	31	LO KNAPP	41	SUE MCGLENNON	45
MARION MUELLER	84	WCM	1:53.38	ROBYNN MASTERS	37	SCAM	2:36.56
PAT MATTHIESON	79	PENNY LEACH	33	CATHY PHILPOT	39	JOAN SPANGLER	50
LEE HOLM	81	LIZ SEYMOUR	28	WCM	2:01.39	CAROL RIDDELL	48
MAXINE CARLSON	76	SARA SHAND	31	KATHY GUINN	41	SUSAN GARFIN	52
*****		MICHELLE GHIGGERI	27	S.SOTELO-OSBORNE	35	KJERSTEN WALKER	47
RELAYS: WOMEN 200 YD. MEDLEY		STAN	1:54.09	DEBBIE FLANSBURG	40	SDSM	2:43.23
*****		GRETCHEN EBNER	29	MINDY HAMWAY	37	DIANA SILVA	73
19 +		KATHRYN GELMAN	31	MARY	2:01.78	ANN DALLAM	64
R:RALEIGH	92 1:52.20	JANE WORDEN	32	L HASSELQUIST	38	BARBARA DUNBAR	46
COURTNEY SEARCY		C.CHICHESTER	32	GLADNEY MCKAY	35	BETSY JORDAN	58
LISA BROWN		EMP	1:57.34	JILL SPRINGER	37	55 +	
SHELLIE JOANIS		KAREN FARNSWORTH	40	SUSAN MARINZEL	43	R:D.C.MASTERS	95 2:22.03
JILL BENDA		CHERYL BARANY	31	TOC	2:04.23	JAYNE BRUNER	
SDSM	1:52.75	MARGARET MONTESI	32	CORINNA SEIBT	35	JOANN LEILICH	
VICKY DAVIDSON	31	ROBERTA BERNET	30	CAROL BADGER	36	BETTY BREY	
MARGARET MATTHEWS	32	WCM	1:59.01	MARGUERITE MEYER	37	BARBARA ZAREMSKI	
K.PIPES-NEILSEN	34	PAMELA BOSCOVICH	33	DANIELLE OGIER	43	RINC	2:28.84
D.MORTENSEN	24	KIRA MCDONOUGH	29	PNA	2:05.56	ANN KAY	62
TOC	1:55.44	KAREN DUGGAN	25	MARY PAT LAWLOR	35	CAROL MACPHERSON	57
JOAN SCHRIGER	31	WENDY INGRAHAM	32	ROBIN O'LEARY	38	BARBARA CALLISON	63
ELAINE WEIGAND	24	IM	2:00.72	MARY LIPPOLD	40	W.CAVANAUGH-BALL	55
LAURA RANDALL	28	S. SULLIVAN	25	DEBBIE GLASSMAN	42	WCM	2:41.21
SHARON SCOTT	24	CINDY SCHAUM	29	VMST	2:06.21	BARBARA JORDAN	58
WCM	1:55.89	LIZ DILLMANN	31	TERRY GAULT	45	JOAN ALEXANDER	64
KATHLEEN HARTNETT	24	BECKY HELLER	32	PATTY POWIS	35	MIDGE KRAETZER	57
KIMBERLEY MORGAN	29	RINC	2:00.82	KITTEN BRAATEN	40	DONNA MONROE	62
SUSAN STRONG	24	DEANNA LIN	26	LISA BENNETT	40	SDSM	2:47.40
ANNE OBERG	24	KAI-CHING CHA	25	45 +		SANDRA VICKERS	56
AAM	2:00.48	JAMIE RAAB	25	R:COLONIAL-1776	95 2:09.99	ALICIA COLEMAN	70
JANICE RUSSELL	28	C.KANAZAWA	29	CECELIA MCCLOSKEY		JANET LAMOTT	59
HEATHER SOOS	23	SCM	2:01.04	J.GREYLIICK-BYRON		DEBORAH PECKHAM	56
SHARON BEENE	33	LAURA VAL	44	STEPHANIE WALSH		SDSM	2:49.63
KRISTI HARTUNG	24	KATHRIN LAMMERS	26			DIANA SILVA	74



# TOP TEN - SHORT COURSE YARDS

ANN DALLAM	65	JEAN DURSTON	81	PAULA ROEMER	34	AAM	4:53.62
LYNNE LUND	55	MARY REEVES	79	KAREN DUGGAN	25	G. BUCKLEY	39
BETSY JORDAN	59	PNA	4:52.44	MICHELLE GHIGGERI	27	M. MC CLELLAN	41
VMST	2:52.99	MARION MUELLER	84	EMP	3:55.13	M. WHEELER	39
LUCILLE GRIFFIN	57	PAT MATTHIESON	79	KAREN FARNSWORTH	39	M. BLISS	40
JOHNNIE DETRICK	60	MAXINE CARLSON	76	R BERNET	29	AAM	5:10.15
RHEA WILKINS	55	LEE HOLM	81	CHERYL BARANY	31	JERRI HOLAN	36
JOAN AVERETTE	59	*****		M MONTESTI	32	BLYTHE LUCERO	39
MARY	2:53.15	RELAYS: WOMEN 400 YD. FREE		SCAM	4:07.90	SHERRI DEMING	38
NANCY BROWN	60	*****		ARIANA SELDMAN	27	PHOEBE HOWARD	48
CAROLOU HURLBERT	57	19 +		RACHEL HANSON	30		
FRANCES WESTON	56	R:U OF SAN FRAN 93	3:46.29	DANIELLE LEVITAN	26	45 +	
FRANCES HAYWOOD	64	JENNY TOLON		LYNN WITTSTOCK	33	R:DC MASTERS 93	4:21.71
SPM	2:56.02	CYNTHIA HINSHAW		AAM	4:07.98	RUTH BENNETT	
MARGARET VANEVERY	55	JANET HAUER		AMY HOLLAND	27	BARBARA FRID	
J.G. PIPER	59	BRENDA WICKLUND		JANICE RUSSELL	28	ANN SVANSON	
FLORENCE CARR	70	WCM	3:59.34	D. SIEGFRIED	25	ANN LYTTLE	
KATE KNIGHT-PERRY	60	SUSAN STRONG	24	SHARON BEENE	33	LAM	4:57.00
C1776	2:56.73	KATHLEEN HARTNETT	24	SCSM	4:13.91	MARGUERITE HANSEN	45
JEANNE MERRYMAN	73	KIM MORGAN	29	KATHRIN LAMMERS	26	DELLA SEHORN	68
ELIZABETH KRUPKA	58	ANNE OBERG	24	SUSIE BLAKE	34	CLARINE ANDERSON	60
PATRICIA TULLMAN	59	STAN	4:08.25	ROISIN DAWES	27	CAROLYN BOAK	50
JANET MOELLER	61	LINDA LIPINSKI	36	DEBBY ELLIS	37	SCAM	4:59.63
NEM	2:57.03	S.LISTERGARTEN	30	BRAT	4:23.83	JOAN SPANGLER	50
JOAN MCINTYRE	56	CHRISTINA WONG	21	ANN MARIE MORSE	27	CAROL RIDDELL	48
MARIAN COAKLEY	58	C.CHICHESTER	32	SARAH WILLIAMS	31	KJERSTEN WALKER	47
PAT PETERSEN	60	NEM	4:11.68	LAURIE GRUBBS	44	SUSAN GARFIN	52
CLAIRE O'BRIEN	57	MELISSA BRAISTED	24	KAREN SADLER	33	NCAM	5:14.38
SPM	3:04.56	PAM ANDERSON	23	ELSM	4:23.99	PENNY	61
BARBARA ALLEN	62	LISA NATKIN	24	JULIET COX	28	SANDRA CATHEY	46
DORIS MCEWAN	71	COLLEEN CROSSMAN	22	MARYBETH KOLDING	37	CEIL BLACKWELL	55
DORIS PROKOPI	60	AAM	4:25.17	MARJORIE MOORE	28	JEANNIE MITCHELL	49
SANDY STEER	56	J. HEATH	24	JOAN ZAKEL	30	WCM	6:56.91
		H. POWELL	23	NCAM	4:25.02	JOYCE SWOBODA	54
65 +		H. SOOS	23	DAWN REYNOLDS	34	LISA CHIN	52
R:GOLD COAST 95	2:41.79	K. HARTUNG	24	SUE HAUGH	34	J.DESBARATS	52
BLANCHE GRAUER		GOST	4:35.42	BARBARA WALSTON	30	DONNA MONROE	62
CYNTHIA BRUCE		MARY BETH BAUER	20	SHARON BARRELL	34	AAM	7:16.24
JUNE KRAUSER		MARILYN HEID	30	NCAM	4:39.70	P. RASALA	49
MARGARET TIMMONS		ANN GUINS	42	M.CROCKETT	29	N. SHAW	49
WCM	3:00.63	JAN HARBOUR	35	JENNIFER POPE	26	M. SMITH	50
BETTY MCMILLAN	66	LAM	4:40.40	SIAN WHITE	29	G. VANDERKAM	48
ELFRIEDE ROGERS	67	LUCILLE GLASSMAN	32	LINDA PRATT	45		
ANN HIRSCH	65	JENNIFER JOHNSON	24	AAM	5:02.29	55 +	
BETTY BARABASH	67	TARA SMITH	34	J. GUERRA	30	R:RINCONADA 95	5:05.08
RINC	3:21.89	STEPHANIE FRYBERG	25	K. KAERCHER	28	BOBBIE CALLISON	
TERRY ACHELIS	72	MARY	4:45.02	K. HOYLE	29	CAROL MACPHERSON	
PATSY WEISS	73	COLLEEN WINANS	34	S. DALE	33	SUE SPRINGER	
NAN BLACKLEDGE	71	LINDA LEICHLITER	34			ANN KAY	
SALLY SCHOLER	72	MARYANN STOTT	22	35 +		WCM	5:43.12
OSB	3:31.62	CARLA MAZYCK	35	R:UTAH 95	3:53.23	JOAN ALEXANDER	62
PEGGY SANBORN	68	WCM	4:46.78	ROBYNN MASTERS		SALLY MORNER	60
GRACE ALTUS	72	JENNIFER LARSON	23	CATHY PHILPOT		MIDGE KRAETZER	58
RUTH FARNHAM	66	JAMIE BAKER	24	CATHY COBURN		BARBARA JORDAN	58
RUTH BAAR	73	S.SOTELO-OSBORNE	30	LO KNAPP			
WCM	3:44.05	KELLY KENTFIELD	30	WCM	4:12.10	65 +	
PAT PREVETZ	74	SMM	4:48.45	DEBBIE FLANSBURG	40	R:SANTA BARBARA 89	5:32.88
JEAN DURSTON	81	DENISE CRAWFORD	23	JULIE MCKINLEY	38	SHIRLEY ERICKSON	
FLORENCE LINKE	65	JILL FLEMING	32	PATTY LANDERS	39	GRACE ALTUS	
PAT WHEATON	67	PATTY LYNN TWETEN	33	MINDY HAMWAY	37	RUTH BAAR	
MARY	4:11.53	LEANN ENSMIGER	32	LAM	4:27.99	DOROTHY LA CHASSE	
CAROL KNEPP	70	MARY	5:21.85	KATHY ENGLAR	38	WCM	5:57.65
MARGARET GAIL	76	RAELLA KOBIN	22	MIRA DABROWSKI	38	BETTY BARABASH	67
DORIS RUSSELL	75	PAMELA GONZALEZ	34	WENDY JOHNSON	40	ELFRIEDE ROGERS	67
BETTY TAYLOR	80	CATHY BROKAW	28	CATHY SCHULBACH	42	BETTY MCMILLAN	66
		LINDA COLE	41	SANR	4:38.46	ANN HIRSCH	65
75 +				ANN SPARREY	40	WCM	6:59.69
R:WALNUT CREEK 93	3:47.25	25 +		KRISTY FAURE	36	FLORENCE LINKE	65
FRIEDA SIDORSKY		R:WALNUT CREEK 91	3:37.75	JUDY BRACKEN	38	PAT PREVETZ	74
SALLY JOY		CAREN LEWIS		TINA TALBOT	35	PAT WHEATON	67
MARY JAN REEVES		PAULA KOGNER		SMM	4:46.49	JEAN DURSTON	81
JEAN DURSTON		WENDY INGRAHM		SUSAN ANDERSON	36		
WCM	3:48.01	SARA SHAND		DALE FINCH	38	75 +	
PATRICIA PREVETZ	75	WCM	3:52.90	NITSA SWAIN	38	R:D.C. MASTERS 94	7:24.14
SALLY JOY	79	PENNY LEACH	32	VICKI CUTTING	37	NANCY CLARK	

# TOP TEN - SHORT COURSE YARDS

MARY LATHRAM	EMP	4:23.29	RUTH PETERSON	49	NO RELAY TEAMS
JEAN CHENAUX	KAREN FARNSWORTH	39	KATHY CARL	41	*****
ANNE WALKER	CHERYL BARANY	31	USF	5:45.74	RELAYS: WOMEN 800 YD. FREE
NO RELAY TEAMS	MARGARET MONTESI	31	MARILYN BUZOLICH	41	*****
*****	ROBERTA BERNET	29	CELIA DEMARTINI	44	19 +
RELAYS: WOMEN 400 YD. MEDLEY	USF	4:32.02	LISA CAMOZZI	41	R:U OF SAN FRAN 94 8:07.90
*****	DEA FREDERIC	33	KIMBERLY KOVASALA	37	PAM FRANKLIN
19 +	KAREN BIRD	32	45 +		CYNTHIA HINSHAW
R:U OF SAN FRAN 94 4:06.73	NATALIE EFFA	28	R:D C MASTERS 93 5:08.96		JANET HAUER
KATIE WELCH	SARAH QUICK	32			KATIE WELCH
JENNY TONOT	MAM	4:43.15	BARBARA FRID		DAM 8:48.07
PAM FRANKLIN	RUTH SHAPS	48	ANN LYTTLE		CHRISSEY SCHULTZ 24
CYNTHIA HINSHAW	MICHELLE LEARY	29	RUTH BENNETT		LAURA THIRION 20
WCM 4:14.52	SUZANNE DIVELBISS	30	JOANN LEILICH		TRACY KNORR 26
KATHLEEN HARTNETT 23	LAURA BROWN	30	LAM 5:36.40		JENNY LUNDMARK 29
SUSAN GARDENAL 31	TAM 4:52.67		DELLA SEHORN 68		WILD 9:07.59
ANN OEBERG 23	DIANE GARCIA 44		MARGO HANSEN 45		JULIE PAULY 31
SUSAN STRONG 24	THERESA OWEN 38		CAROLYN BOAK 50		CAROLINE WAITE 29
USF 4:17.29	KATIE KELLY 26		CLARINE ANDERSON 60		LISBETH OLSEN 30
JILL ROTHKOPF 29	CINDY CLEMENTS 34		USF 6:41.03		KARA KELLY 19
YASMIN ANWAR 23	NASTI 6:26.96		SUSAN LOMBARDI 47		CHBS 9:44.90
CORY MACKIE 32	JULIE BICKEL 34		LISA CITRON 51		BRIDGET NASTASI 29
L.CLAVEDETCHER 25	LESLIE SLUTZ 36		JAN BREWER 45		MICHELLE WARD 27
USF 4:20.19	DIANE SIDNER 35		B.BRINKERHOFF 45		MEG CHISHOLM 28
KRISTA KENNEL 23	LISA WRIGHT 38		USF 6:59.22		FLAVIA BERETTA 23
JENNIFER COLLINS 24	35 +		MARTHA CAMPBELL 47		USF 10:14.49
PAMELA FRANKLIN 26	R:STANFORD 96 4:21.26		ILA CHALE 54		BRENDA CEDRA 19
C.FLORKOWSKI 28	KIM CARLISLE 96		DOROTHY REMINGTON 50		EMILY ANICICH 24
STAN 4:24.04	EILEEN WALL		LAUREN CHAITKIN 51		LORI CALLEN 33
C.CHICHESTER 32	MEG LLOYD		WCM 7:08.07		JENNIFER HART 29
CHRISTINA WONG 23	NANCY LEWIS		CAROL LAIRD 50		GOST 11:25.83
JANE WORDEN 31	STAN 4:21.26		J.DESBARATS 52		RUTH PERRY 26
KANA SHIBUYA 23	KIM CARLISLE 35		SALLY MORNOR 59		MARILYN HEID 30
FCMC 4:35.10	EILEEN WALL 37		JEAN DUNCAN 58		JENNIFER BRISKER 30
MARY LEE 26	MEG LLOYD 35		55 +		MARY BETH BAUER 20
AMY NOGA 24	NANCY LEWIS 36		R:RINCONADA 96 5:50.26		25 +
STEPHANIE BEISER 26	UTAH 4:26.61		ANN KAY		R:WALNUT CREEK 96 7:59.38
SIONAINN MURCOUX 23	KAREN OLIVER 35		CAROL MACPHERSON		PENNY LEACH
DAM 4:39.26	LO KNAPP 41		BOBBIE CALLISON		WENDY INGRAHAM
TATE BIRNIE 21	ROBYNN MASTERS 37		SUSAN SPRINGER		MICHELLE GHIGGERI
JENNY LUNDMARK 29	CATHY PHILPOT 39		RINC 5:50.26		SARA SHAND
ANNETTA TICE 32	WCM 4:28.49		ANN KAY 62		WCM 7:59.38
JENNIFER COLLINS 27	PATTY LANDERS 39		CAROL MACPHERSON 57		PENNY LEACH 33
FCMC 4:47.46	DIANE HEINSON 40		BOBBIE CALLISON 63		WENDY INGRAHAM 32
SARAH EASTERLING 34	DEBBIE FLANSBURG 40		SUE SPRINGER 57		MICHELLE GHIGGERI 27
CANDICE CHAM 23	MINDY HAMWAY 37		USF 6:26.83		SARA SHAND 32
KAT TRIGG 25	TOC 4:33.25		SUSAN LANGDON 55		MARY 8:53.65
ELKE HOFFMAN 24	CORRINA SEIBT 35		CAROL REQUADT 58		JOANNA ZEIGER 25
USF 4:52.71	DANIELLE OGIER 43		NANCY STRETCH 56		NATALIE EVANS 32
K.LINIECKI 32	CAROL BADGER 36		TANAKO HAGIAWARA 57		KRISSEY CORBETT 29
CATHY SOLOMON 28	MARGUERITE MEYER 37		1776 7:03.49		DEBORAH ZIMIC 33
BRENDA CEDRA 19	USF 4:44.19		JEANNE MERRYMAN 73		CONN 9:00.92
JULIA VINALL 27	LYNN DEGEORGE 35		JANET MOELLER 61		KELLY ANN BRENNAN 28
MARY 4:53.99	CATHY HUANG 40		PATRICIA TULLMAN 59		BARBARA BAKER 35
CAROL WESTCOTT 30	LINDA STANLEY 37		ELIZABETH KRUPKA 58		JENNIFER BROWN 29
ANN MCCORMAC 32	S.WINCKLER 35		65 +		MARCIA CLEVELAND 32
SARAH HOWERTON 24	TERA 5:03.97		R:SANTA BARBARA 89 6:47.55		USF 9:09.93
GAIL KROVITZ 24	SANDY CONROY 36		DOROTHY LACHASSE		CATHY FLORKOWSKI 28
MARY 5:14.24	KAREN TUKUA 48		SHIRLEY ERICKSON		JULIA VINALL 27
NATALIE EVANS 31	SUZANNE HEIM 38		GRACE ALTUS		SUZANNE THOMSON 30
COLLEEN WINANS 34	JEANNE NAKAGAKI 42		RUTH BAAR		LISA KABOT 31
COLLEEN WINANS 34	DAM 5:12.54		WCM 6:56.99		GOST 9:32.92
LINDA LEICHLITER 34	LISA KRAUSS 37		BETTY MCMILLAN 65		BARTLEY PRATT 27
MARYANN STOTT 22	KRISTEN ROGERS 38		ANN HIRSCH 65		MARY LAMB 27
25 +	KRISTINE HARVEY 37		ELFRIEDE ROGERS 65		LISA SORN 34
R:U OF SAN FRAN 92 4:09.85	J. HIGGINS 41		BETTY BARABASH 67		MARGIE BOLIVER 25
JILL ROTHKOPF	MARY 5:38.34		75 +		LAKE 10:23.67
BETHANNE LAMBERT	CARLA MAZYCK 35		R:ST.PETE 94 10:03.90		DEBBIE UTZ 42
LORETTA SOFFE	CONNIE LINDSEY 43		MARIAN MCKECHNIE		WENDY MEDLEY 42
KELLY ASPLUND	PATTY DEVANNY 36		WIN KENNEDY		MARGARET DUNCAN 33
WCM 4:23.06	VIKI ALTOMONTE 45		KAY SCHIMPF		LESLIE ENANDER 35
PAM BOSCOVICH 33	RINC 5:39.46		FRANCES CICHANSKI		MARY 10:33.07
PENNY LEACH 33	SUE KELLY 48				CARLA MAZYCK 35
CAREN MCNAMARA 34	JUDITH SCHWARTZ 41				K.KIESSLING 32
PAULA ROEMER 34					

# TOP TEN - SHORT COURSE YARDS

LINDA LEICHLITER	34	MARY HORTON	53	SEAN LILLE	30	BRIAN SCOTTOLINE	31
COLLEEN WINANS	34	USF	11:47.73	MATTHEW RANKIN	29	RANDY COX	33
DAM	10:39.93	MARTHA CAMPBELL	47	STAN	1:27.46	SAM WORDEN	33
KRISTEN ROGERS	38	SUNNY BLENDE	45	C.MORGAN	24	CARR PHILLIPS	30
ELIZABETH BISHAY	32	SUSAN LOMBARDI	47	VIJAY LATHI	23	DOC	1:28.93
LISA KRAUSS	37	B.BRINKERHOFF	45	SHANNON TUCKER	24	JOHN DISALLE	31
ROSWITA NORRIS	53			CHRISTOPHER ROAT	21	JUAN VALLEJO	32
		55 +		USF	1:27.64	CHRIS BONEHAM	31
35 +		R:RINCONADA	96 11:02.50	DWIGHT FENTON	24	DOUGLAS BOYD	31
R:LAKESIDE	96 8:38.48	CAROL MACPHERSON		DOUGLAS DAWKINS	33	USF	1:29.55
MELINDA SCHMITT		BOBBIE CALLISON		ANDREW GELLER	27	JONATHAN MELTON	27
MARY CHRIS CURT		SUE SPRINGER		K.PAOMAHANAKA	19	RICHARD ROLL	29
AMY POPE		ANN KAY		SNM	1:28.20	DAN VEATCH	30
PAM MARTIN		RINC	11:02.50	CHIP HOBSON	28	VICTOR CASTILLO	31
LAKE	8:38.48	CAROL MACPHERSON	57	NENAD RODIC	25	NASA	1:29.97
MELINDA SCHMITT	37	BOBBIE CALLISON	63	TIMOTHY O'MARA	24	ERIK MAURER	25
MARY CHRIS CURL	39	SUE SPRINGER	57	SCOTT EVANS	24	D. EVERHART	31
PAM MARTIN	38	ANNY KAY	62	TOC	1:30.18	MARC WISENOODLE	27
AMY POPE	35	WCM	11:42.98	MICHAEL COOLEY	25	KARL KRIEGSMANN	26
WCM	8:41.05	JOAN ALEXANDER	64	ERIC TARBELL	24	RUBA	1:30.45
MINDY HAMWAY	37	DONNA MONROE	62	GAVIN HOLLES	29	CHRIS MCGIFFIN	30
DEBBIE FLANSBURG	40	MIDGE KRAETZER	57	JOHN FELIX	33	KENNETH FITCH	31
CHARLENE OEBRIEN	37	BARBARA JORDAN	58	UTAH	1:31.28	BENN DOYLE	37
PATTY LANDERS	39	USF	13:47.61	JOHN TOBEY	24	TERENCE DONNELLY	27
STAN	8:45.44	NANCY STETCH	56	SHANE EVA	22	WCM	1:30.90
KIM CARLISLE	35	TANAKO HAGIWARA	57	CHRIS HORNE	23	GREG REMMERT	33
JUDY HELLER	40	MARY ALLEN	63	MARK ZORTMAN	19	JOHN MURPHY	32
NANCY LEWIS	35	ILA CHALE	57	DAM	1:32.01	PATRICK DUGGAN	32
EILEEN WALL	35	MARY	14:53.11	BRAD WINSOR	24	TERRY DIXON	31
TOC	8:46.56	LESLEY FRANCIS	64	MATT GRAHN	23		
DANIELLE OGIER	43	MARIAN BRENNAN	63	ERNIE HOFTYZER	25	35 +	
PHYLLIS QUINN	40	JILL COLEMAN	65	ANDREW KELLY	27	R:LONE STAR	90 1:25.72
KATE HUDDLESTON	36	FRANCES WESTON	55	CHBS	1:32.06	JAMES MONTGOMERY	
MARGUERITE MEYER	37	SPM	15:04.38	DALE MERCKER	29	RICHARD HESS	
USF	9:16.28	DORIS PROKOPI	60	JOHN HENDERSON	23	TRIP HEDRICK	
S.WINCKLER	35	JUNE REYNOLDS	74	CHRIS JOHN	23	DAVID HAGUE	
LYNN DE GEORGE	35	MARGIE HUTINGER	55	JEFFREY FELTZER	24	1776	1:27.10
LINDA STANLEY	37	FLORENCE CARR	70	TOC	1:32.71	STU MARVIN	40
CATHY HUANG	40			BRAD BUNDEY	24	CHARLES NORELLI	40
GCMT	9:25.63	65 +		STEPHEN GRANT	26	MARK SCHUMAN	40
MANDY SHUMAKER	40	R:SANTA BARBARA	89 12:14.80	MATT RODGERS	26	TRIP HEDRICK	42
PAM ALLEN	40	SHIRLEY ERICKSON		JIM MURRAY	26	RMM	1:28.29
PAM BECK	38	GRACE ALTUS		CRESCENT HILL	1:33.66	JAMES LILLEY	36
PAIGE LINSKER	43	RUTH BAAR		PAUL WIDMAN	23	HOLDEN BANK	36
USF	10:43.51	DOROTHY LA CHASSE		MICHAEL GOODWIN	25	VANCE HOWARD	35
BARBARA BYRNES	39	WCM	12:45.66	MICHAEL NEAL	32	CRAIG PETERSEN	36
KIMBERLY KOVASALA	37	BETTY MCMILLAN	65	ABRAHAM SOLANO	26	TOC	1:28.64
NANCY CUTLER	42	ELFRIEDE ROGERS	68			ROBERT PLACAK	37
MICHELE SHIELDS	39	BETTY BARABASH	67	25 +		DAVID LUNDBERG	35
WILD	11:34.32	ANN HIRSCH	65	R:HOUSTONIAN CLUB90	1:23.34	KIRK JENSEN	35
SARAJANE DOTY	40	USF	16:38.24	JOHN SMITH		JAMES GRIFFITH	43
MEG SMATH	39	MARGARET VORHEES	67	JEFF FREY		WCM	1:30.78
JANICE KREGOR	39	MARY GREER	74	CLAY BRITT		GERALD FERRIS	35
GAIL O'MALLEY	41	SARAH DABIS	72	SAM SEIPLE		JOHN ROEMER	40
GNV	11:40.05	ANNA-LISA RECHIA	73	CMS	1:25.53	DAVID COOL	35
SUSAN WALKER	40			JEFF PRIOR	29	JOHN RING	37
KIM FISCHER	36	75 +		AVERY KINTNER	34	TOC	1:32.19
MONICA DECHERING	36	R:WALNUT CREEK	93 17:31.22	DAVID PADGETT	27	STUART CORLESS	40
KAREN ROKICH	37	FRIEDE SIDORSKY		STEPHEN CROCKER	33	MIKE KECK	36
WILD	11:43.21	MARY JANE REEVES		WCM	1:25.78	JAMES PURCELL	40
TITA ARNOLD	54	JEAN DURSTON		STEPHEN STAHL	31	K.BOGART	41
NANCY WILLIAMS	41	SALLY JOY		TOM MONTOYA	29	NASA	1:32.19
JEAN TURNER	46	NO RELAY TEAMS		JEFFREY RODGERS	29	THOMAS MCCABE	38
SUSAN BRADLEY-COX	58	*****		JAMES LAWRENCE	30	JOSEPH MAGIERA	39
		RELAYS: M E N 200 YD. FREE		TOC	1:27.45	ANDREAS SEIBT	38
		*****		MARTIN HERRMANN	26	TIMOTHY ROURKE	41
45 +		19 +		SEAN MURPHY	32	DOC	1:32.24
R:DC MASTERS	93 9:42.96	R:TEXAS SWIMMING	95 1:24.72	GREG LARSON	26	JAMES MONTGOMERY	41
RUTH BENNETT		JEFF THIBAUT		JAMIE PATRICK	25	JOEL STAGER	43
BARBARA FRID		DEAN PUTTERMAN		BEAC	1:27.51	TOM HICKCOX	43
ANN SVANSON		REED DUNNE		BERT BERGEN	29	JACK STAVROS	36
ANN LYTTLE		ROBERT KILLEEN		DOUG WAGNER	29	SCAQ	1:32.35
DAM	11:11.41	ARIZ	1:26.57	MICHAEL KANNER	27	TOM KATSIOULEAS	38
GAYLE BONDURANT	49	GARY HALL JR	21	JAMES BERGEN	28	CLAY EVANS	42
SUSAN MUNN	57	TROY DALBEY	27	STAN	1:27.98	BRIAN JOHNSON	40
BETTY DUGAN	54						

# TOP TEN - SHORT COURSE YARDS

MIKE FRAZER	35	TOC	1:39.62	E.RUDLOFF	72	JAMIE PATRICK	25
WCM	1:33.04	CHARLES RAVEN	57	PHILIP CHAPMAN	65	BRAD BUNDEY	24
WILLIAM DRULIAS	44	JAMES KRUEGER	57	O*H*I*O	2:25.09	MARTIN HERRMANN	26
JOHN CUSTER	35	RICHARD BASSI	55	KEITH CARTER	71	ARIZ	1:37.59
JOSEPH TACK	38	DONALD HILL	64	PIERCE BRAY	71	TROY DALBEY	27
GARY PATTERSON	36	SDSM	1:47.61	PAUL KRUP	78	ROGUE SANTOS	28
USF	1:33.56	BILL EARLEY	59	DEXTER WOODFORD	82	MATTHEW RANKIN	29
DEAN PRZYMUS	35	DONALD HUBBARD	68	USF	2:32.61	GARY JR. HALL	21
EVAN MARKIEWICZ	39	GEORGE WOTHINGTON	58	JAMES FRANKEL	72	SNM	1:38.93
JACK HALLAHAN	35	MIKE FRESHLEY	55	BOB DANIELSON	66	TIMOTHY O'MARA	24
RICHARD GARRETT	42	DOC	1:48.40	RICHARD SCHOMBURG	69	SCOTT EVANS	24
		LEWIS COOK	58	VICTOR DEKALB	70	NENAD RODIC	25
45 +		TOM VERTH	57	OREG	2:33.41	CHIP HOBSON	28
R:OLYMPIC CLUB	95	MEL GOLDSTEIN	57	JOSEPH MALLON	74	STAN	1:40.61
MIKE GARIBALDI		GEORGE QUIGLEY	55	ERIC GUEST	66	VIJAY LATHI	23
ROBERT STRAND		RMM	1:52.32	MIKE POPOVICH	68	SHANNON TUCKER	24
TIM BIRNIE		BOB LIEB	55	GILBERT YOUNG	73	C.MORGAN	24
STEPHEN CLARK		F.WENDELKEN	57	TOC	2:36.10	CHRISTOPHER ROAT	21
TOC	1:32.80	DENNIS O'BRIEN	60	GLYNN JONES	71	WCM	1:40.93
ROBERT STRAND	50	BILL KING	62	WILLIAM CALLENDER	67	C.OSHIRO	39
BILL BARTHOLD	47	NCMS	1:52.34	JAMES MADDEN	66	BILLY CLARATY	20
JAMES ELDER	53	ROLFFS PINKERTON	56	MARTIN TERPLAN	65	KENT ANDERSON	24
STEPHEN CLARK	52	JOHN KORTHEUER	64	MARY	2:36.35	BRIAN HOLM	24
TOC	1:34.51	MILTON GEE	59	CECIL HULL	74	CHBS	1:41.66
MIKE GARIBALDI	50	JERRY CLARK	58	WALTER SOMPAYRAC	82	CHRIS JOHN	23
TIM BIRNIE	50	MARY	1:52.57	JOHN COLLINGS	68	DALE MERCKER	29
JOHN FOOTE	45	CARL CHRISTENSEN	58	JIM GRONSETH	69	JEFFREY FELTZER	24
MIKE SHERRILL	46	DONALD RICE	62	SPCO	2:42.69	JOHN HENDERSON	23
DOC	1:36.89	JAMES FORSYTHE	58	R.E. SIGERSMITH	71	UTAH	1:41.95
STEVE BOROWSKI	48	BOB JOHNSTON	59	R.H. FLETCHER	80	MARK ZORTMAN	19
LYNN OLSON	49	USF	1:53.37	AL ROGERSON	70	SHANE EVA	22
BOB OLSON	51	JOE ILLICK	61	R.H. ROBECKI	66	CHRIS HORNE	23
RICHARD BURNS	52	C.SAUNDERS	57	75 +		JOHN TOBEY	24
SNM	1:36.95	ROBERT FEWSTER	57	R:D C MASTERS	91	WCM	1:42.92
STEVEN LINTZ	45	DANIEL OSBORNE	62	BERT KASELL	2:24.77	MATTHEW MUNDELIUS	23
FRANS NELSON	53	TOC	1:55.94	CHARLES ROY		CHRIS REDDAM	23
BUTCH NELSON	48	WILLIAM VAN HORN	57	DAVID MCAFEE		STEPHEN STAHL	31
KENNETH KRUEGER	50	WILLIAM TIMKEN	57	KELLEY LEMMON		SETH HAYNES	19
SCAQ	1:37.65	DONALD WUDTKE	61	RINC	2:30.90	AAM	1:44.28
PETER O'KEEFFE	45	DENIS RICE	63	ALDO DA ROSA	78	BRAD RUSSELL	24
GARY LANGENDOEN	50	WCM	1:55.99	JOE IRVINE	85	KRIS KEUSER	22
W.MONTGOMERY	47	BOB KAHL	62	DAR WHEELER	79	JASON BAKER	23
JOHN QUINN	45	STAN MORNER	61	JAY CRADDOCK	75	ERIC FUCHS	28
WCM	1:39.19	BILL MCIVOR	63	SPM	2:51.49	JAM	1:45.46
MAL JESTER	47	DON BROWN	62	BILL UHRICH	75	JAMES SMITH	26
JAMES KING	49	SMMM	1:57.40	JOHN JOHNSTON	80	DANIEL WEGNER	24
PAUL JEFFERS	50	ROGER CAMPBELL	65	FRED WALBOLT	83	RON COLLINS	33
JAMES DELACY	49	DON STUFFELD	68	ROBERT ATWOOD	75	NICK MINA	23
DAM	1:40.01	BILL STEUART	59	MARY	3:00.65	25 +	
ANDREW MCPHERSON	49	DICK PETERSON	59	NORRIS FLUKE	78	R:LONE STAR	91
PAUL LANDERS	46	65 +		WALTER SOMPAYRAC	82	MOOK RHODENBAUGH	1:31.54
JOHN MILLS	49	R:SAN DIEGO	96	RAYMOND EDELHOFF	82	GREG RHODENBAUGH	
RON DEGILER	58	DONALD BAKER	1:52.53	GEORGE SZEGO	76	BOBBY PATTEN	
MARY	1:40.57	JIM JONES		WCM	3:25.51	TRIP HEDRICK	
JOHN FLANAGAN	50	WILLIAM PHILLIPS		AL KALLUNKI	92	BEAC	1:35.86
DAVID FULLER	47	KENNETH KIMBALL		ROY ERLANDSON	81	MICHAEL KANNER	27
JACK ILIFF	51	SDSM	1:52.53	BOB STRINGHAM	76	BRUCE HOWELL	39
CHRIS OSTROM	50	DONALD BAKER	65	BILL JOHNSTON	77	ALEC CAMPBELL	30
WCM	1:41.10	JIM JONES	68	TOC	4:48.66	JAMES BERGEN	28
DON DAVIS	51	WILLIAM PHILLIPS	68	VARNUM PAUL	87	WCM	1:36.64
JOHN DOWNER	45	KENNETH KIMBALL	65	NICHOLAS ZOLLER	79	STEVEN ENNIS	32
JACK RIDLEY	51	OSB	1:53.20	LOUIS ROSENAUR	82	JOHN MURPHY	32
JESSE SMYERS	49	FRANK PIEMME	71	JOHN GIBBS	81	DAVID CADEMATORI	30
USF	1:41.47	JURGEN SCHMIDT	73	*****		JAMES LAWRENCE	30
DUKE DAHLIN	47	BOYD JOHNSON	68	RELAYS: M E N 200 YD. MEDLEY		STAN	1:37.12
RICHARD ATONDO	46	WALLACE WOLF	65	*****		CARR PHILLIPS	30
JOHN LADD	50	SPM	1:58.00	19 +		BRIAN SCOTTOLINE	31
JULIUS YOUNG	49	R.C. MACDONALD	67	R:TEXAS SWIMMING	95	RANDY COX	33
55 +		HAROLD FERRIS	65	JEFF THIBAUT	1:33.18	SAM WORDEN	33
R:OLYMPIC CLUB	96	THOMAS SMITH	68	DEAN PUTTERMAN		CMS	1:37.75
CHARLES RAVEN		PAUL HUTINGER	71	MICHAEL DUNNE		MIKE BROWN	32
JAMES KRUEGER		TOC	2:03.48	ROBERT KILLEEN		JEFF PRIOR	29
RICHARD BASSI		FRANK GRANNIS	71	TOC	1:33.46	STEPHEN CROCKER	33
DONALD HILL		RALPH PERRY	69	GREG LARSON	26	AVERY KINTNER	34

# TOP TEN - SHORT COURSE YARDS

WCM	1:38.43	GARY GIBSON	38	CHARLES RAVEN		JOHN EMANUEL	71
PATRICK DUGGAN	32	F. MITCHELL	43	TOC	1:58.43	HAL BEGEL	66
TERRY DIXON	31	WMAC	1:44.90	RICHARD BASSI	55	ROBERT HARRIS	70
JEFFREY RODGERS	29	CRAIG MONROE	45	JAMES KRUEGER	57	CONN	2:39.89
TOM MONTOYA	29	DAVID HOLLAND	37	CHARLES RAVEN	57	WAYNE SHADBOLT	71
RUBA	1:40.85	BRAD HORNER	41	DONALD HILL	64	HARRY ALBINGER	69
KENNETH FITCH	31	TONY ARNESON	37	SDSM	2:01.16	LENROD GOLDSTONE	66
BENN DOYLE	37	CRUZ	1:45.09	BILL EARLEY	59	JOE COVEY	69
CHRIS MCGIFFIN	30	BRENDAN MCNULTY	36	PETER RIDDLE	58	O*H*1*O	2:41.07
TERENCE DONNELLY	27	GARY KRAGE	40	GEORGE WOTHINGTON	58	PIERCE BRAY	71
TOC	1:41.19	DONALD BACCI	43	MIKE FRESHLEY	55	PAUL KRUP	78
STEPHEN GRANT	26	JOHN SULTAN	48	DOC	2:01.90	KEITH CARTER	71
MATT RODGERS	26	45 +		LEWIS COOK	58	DEXTER WOODFORD	82
GAVIN HOLLES	29	R:THE OLYMPIC CLB96	1:42.64	GEORGE QUIGLEY	55	SMMM	2:42.39
JIM MURRAY	26	TIM BIRNIE		MEL GOLDSTEIN	57	DON STUPFELD	68
SCSC	1:41.40	ROBERT STRAND		TOM VERTH	57	ROGER CAMPBELL	65
B.LICHTENWALTER	29	JOHN FOOTE		MARY	2:08.73	RAY TAFT	76
AL MOSER	31	STEPHEN CLARK		JAMES FORSYTHE	58	LLOYD WALKER	79
MICHAEL MOORE	32	TOC	1:42.64	BOB JOHNSTON	59	MARY	2:52.07
JOHN GRAF	28	TIM BIRNIE	50	DONALD RICE	62	JIM GRONSETH	69
DAM	1:41.76	ROBERT STRAND	50	CARL CHRISTENSEN	58	GEORGE SZEGO	76
ANDREW MCPHERSON	49	JOHN FOOTE	45	NCAM	2:09.67	JOHN COLLINGS	68
ANDREW KELLY	27	STEPHEN CLARK	52	ROLFFS PINKERTON	56	CECIL HULL	74
ERNIE HOFTYZER	26	SCAQ	1:44.25	MILTON GEE	59	VMST	3:04.00
TIM LYNCH	25	PETER O'KEEFFE	45	JOHN KORTHEUER	64	FORREST SULLIVAN	66
VMST	1:41.78	PAUL HENNE	49	JERRY CLARK	58	CALVIN BARNES	72
MARK GILL	27	GARY LANGENDOEN	50	SCAQ	2:10.47	NORMAN RAINER	67
JERRY SMITH	30	JOHN QUINN	45	GEORGE BRINTON	71	BILLIE MILLNER	66
JAMES WOLFE	27	DOC	1:47.50	RICHARD ROUSE	62	ULTA	3:18.49
CHRISTOPHER FLOOD	33	RICHARD BURNS	52	GEORGE VAN-NOY	56	ED STREETER	71
35 +		PETE ANDERSEN	52	TOM ANGELL	56	MIKE OFFNER	81
R:COLONIALS 1776 91	1:36.66	CHARLES HICKCOX	49	WCM	2:11.08	RICHARD DANIEL	70
STU MARVIN		BOB OLSON	51	MIKE MILLIMAN	61	DICK BOWER	65
DAVE SCHMINKE		SNM	1:48.77	STAN MORNER	61	75 +	
MARK SCHUMAN		FRANS NELSON	53	DONALD BROWN	62	R:COAST MASTERS 95	2:48.32
CHARLES NORELLI		DON MCKENZIE	49	WILLIAM PECKHAM	67	BRION WINSHIP	
1776	1:37.89	KENNETH KRUEGER	50	RINC	2:12.98	WALTER PFEIFFER	
STU MARVIN	40	STEVEN LINTZ	45	RICHARD BENNETT	65	ROBERT CHRISTIANS	
MARK SCHUMAN	40	TOC	1:50.39	ED KERSWILL	70	WOODROW BOWERSOCK	
TRIP HEDRICK	42	TOD SPIEKER	47	JAMES SHAW	55	SMMM	2:51.03
CHARLES NORELLI	40	BOB MOMSEN	49	EMERSON CHRISTOFF	56	EDWARD MORAN	78
TOC	1:39.82	JAMES ELDER	53	TOC	2:13.37	WALTER WELLS	78
KIRK JENSEN	35	MIKE SHERRILL	46	WILLIAM VAN HORN	57	RAYMOND TAFT	76
DAVID LUNDBERG	35	MARY	1:52.39	WILLIAM TIMKEN	57	FRED TAIOLI	75
JAMES GRIFFITH	43	JACK ILISS	51	DONALD WUDTKE	61	SPM	3:34.69
K. BOGART	41	CHRIS OSTROM	50	DENIS RICE	63	ROBERT ATWOOD	75
WCM	1:41.37	JOHN FLANAGAN	50	DAM	2:13.54	BILL UHRICH	75
GENE HART	43	DAVID FULLER	47	RON DEGLER	58	JOHN JOHNSTON	80
JOHN ROEMER	40	WCM	1:52.69	EMORY HAWORTH	60	FRED WALBOLT	83
KERRY O'BRIEN	39	JAMES KING	49	ROBERT NORRIS	57	MARY	3:48.37
JOHN RING	37	PAUL JEFFERS	50	STEVE CARLSON	76	WALTER SOMPAYRAC	82
SCAQ	1:42.16	MAL JESTER	47	65 +		RAYMOND EDELHOFF	82
CLAY EVANS	42	JOHN DOWNER	45	R:S. CAL AQUATIC 93	2:09.02	GEORGE SZEGO	76
CHRISTOPHER DALE	39	CONN	1:52.99	BOYD JOHNSON		NORRIS FLUKE	78
BRIAN JOHNSON	40	JOHN PHILLIPS	49	DONALD HESTER		*****	
TOM KATSOULEAS	38	JACK MCCOY	55	FRANK PIEMME		RELAYS: M E N 400 YD. FREE	
TOC	1:42.68	JOSEPH COPLAN	50	JURGEN SCHMIDT		*****	
MIKE KECK	36	JACK GEOGHEGAN	54	SDSM	2:13.87	19 +	
STUART CORLESS	40	RMM	1:53.64	KENNETH KIMBALL	65	R:COLONIALS 1776 93	3:15.05
JAMES PURCELL	40	ROGER HENDERSHOT	46	DONALD BAKER	65	ANDREW ELLIS	
JOE DIETRICH	43	TIM VARNER	45	DONALD HUBBARD	68	JOESPH THIER	
RMM	1:42.99	PAUL MCCORMICK	49	JIM JONES	68	JOHN GAROFOLO	
HOLDEN BANK	36	TODD BRYAN	45	SPM	2:16.03	EDGAR BORJA	
RUSSELL MARSH	40	DOC	1:54.41	PAUL HUTINGER	71	STAN	3:23.35
CRAIG PETERSEN	36	CHARLES RICHARDS	51	ALAN MALONEY	67	STEVE ATKINS	32
VANCE HOWARD	35	KEN FROST	51	THOMAS SMITH	68	RANDY COX	33
NASA	1:43.12	DAVID TANNER	46	HAROLD FERRIS	65	CHRIS ROAT	21
ANDREAS SEIBT	38	RALPH KENDRICK	52	TOC	2:22.62	TIM BRODERICK	45
JOSEPH MAGIERA	39	55 +		RALPH PERRY	69	AAM	3:30.90
THOMAS MCCABE	38	R:OLYMPIC CLUB 95	1:57.39	E. RUDLOFF	72	E. FUCHS	28
TIMOTHY ROURKE	41	LEWIS COOK		PHILIP CHAPMAN	65	B. RUSSELL	24
RINC	1:44.22	WILLIAM TIMKIN		FRANK GRANNIS	71	S. MACHADO	25
WILLIAM OLIVER	35	JAMES KRUEGER		1776	2:28.38	J. BAKER	23
FRED FARLEY	42			LARRY SVANE	66	WCM	3:31.32

# TOP TEN - SHORT COURSE YARDS

MATT MUNDELIUS	23	E. PIETERS-KWEIRS	33	SMMM	3:56.20	FRANK PIEMME	
JIM GORDEN	34			GARY BRENNER	46	BOB MERRICK	
KERRY O'BRIEN	38	35 +		MATT OLIVER	45	JURGEN SCHMIDT	
PAT DUGGAN	32	R:MINNESOTA	96	BILL STEUART	59	LEE ARTH	
NCAM	3:38.99	PAUL WINDRATH		DON GALINE	50	SMMM	5:18.66
EDDY HOUCHEIN	39	JEFF LUKENS		CONN	3:59.05	ROGER CAMPBELL	65
DAN REED	23	DENNIS MATTAI		MICHAEL LAUX	54	LLOYD WALKER	79
ANDREW FARRELL	25	NATE LEIGH		JOHN PHILLIPS	49	DON STUFFELD	68
SCOTT FULLER	30	MINN	3:19.38	JOSEPH COPLAN	50	RAY TAFT	76
EL CERRITO/ALBA	3:43.48	PAUL WINDRATH	42	JERRY THIMME	51		
JOEL ABELSON	19	JEFFREY LUKENS	42	GCMT	4:20.89	75 +	
MARK HICKMAN	30	DENNIS MATTAI	38	ROBERT JOYCE	47	R:ST. PETE	91 6:02.78
STEPHEN DUNKLE	30	NATE LEIGH	40	TOM HERR	49	JOHN JOHNSTON	
BRIAN SAY	23	IM	3:23.01	S ELBERT	48	FRANK TILLOTSON	
ART	3:46.42	TOM MCCABE	38	D SCHLEGEL	46	KERMIT HOTVEDT	
BILL BURROWS	28	DAVE GIBSON	35	NCAM	4:24.59	WILLIAM MOLLOY	
DAVID ELLIS	33	ANDY SEIBT	37	TERRENCE LEE	46	NO RELAY TEAMS	
BRIAN MCCARTHY	23	TED SOLTYS	35	JAMES GREEN	51	*****	
JAMES BODIE	28	CONN	3:28.56	ROLFFS PINKERTON	57	RELAYS: M E N 400 YD. MEDLEY	
		JEFF STUART	35	LARRY FOLINSBEE	50	*****	
25 +		ROB NATHAN	36	GOST	4:34.42	19 +	
R:SO.CALIF AQU	92 3:14.35	STEVE HAMMER	35	TOM MCTERNAN	52	R:U OF SAN FRAN	92 3:34.08
CHRIS CAVANAUGH		DAVID LEWIS	39	JOE PESCHEL	51	GARY YANG	
KEITH KAPLAN		WCM	3:32.22	JOE LAMMERT	56	JOHN HARLOW	
PETER MCCLAFFERTY		JOHN RING	37	ANDY MORROW	57	MARK FIORITO	
GERRY RODRIGUES		JOE TACK	37	MARY	4:45.67	GREG MACKEM	
NEM	3:21.68	TOM DUGGAN	37	RAND VAILLANCOURT	49	TOC	3:34.81
JAY MORRISSETTEE	32	DAVE COOL	35	MIKE SENA	49	MARTIN HERRMANN	26
MARK REEVES	26	NCAM	3:49.82	JIM SANDISON	58	JAMIE PATRICK	25
TIM SHERIDAN	30	STEVE WEATHERMAN	40	JOHN MILLER	51	BRAD BUDNEY	24
PAT KEATING	31	BRENT SCHWEITZER	43	AAM	4:50.80	MIKE KECK	36
WCM	3:26.10	DAN FUCHS	38	F. VERDUZCO	45	NEM	3:35.61
STEVE STAHL	31	ALAN GODFREY	39	G. SCOTT	55	SEAN GOULDSON	23
GREG REMMERT	33	LAM	3:50.53	R. GURICH	56	S.VANKUILENBURG	31
TERRY DIXON	30	RICH LACAMPAGNE	41	J. BECKER	50	ED GENDREAU	33
JOHN SCHWENGER	30	MARK GOLAN	35	LAM	5:15.00	CHRIS BARRETT	25
EMP	3:35.08	DSTEVE GLASSMAN	40	JIM MCCOY	53	USF	3:38.14
M RITTER	32	JOHN COOPER	39	TOM TISCH	56	DARRELL GLASER	25
TIMOTHY HYNES	30	MCSM	3:52.07	DOUG SCHAEFFER	49	K.PAOMAHANAKA	19
JOHN NEEDHAM	42	MARK TOMMERHAHL	37	NEAL SHEA	57	RICHARD ROLL	29
STEVEN FISHER	33	DOUG ASBURY	36			DWIGHT FENTON	24
SCSM	3:35.93	THOMAS DAVIS	38	55 +		STAN	3:48.58
MIKE MOORE	33	JONATHAN KLEIN	38	R:GRIN	95 4:03.06	CHET LOY	20
DREW HALE	27	ART	3:54.34	DAVID COSTILL		TIM BRODERICK	45
TOM ARNOLD	41	JOHN LADKY	44	MEL GOLDSTEIN		ROSS FELDMAN	23
BOB DUGAN	33	JOHN ORRISON	39	FRAN MCAREE		CHRIS ROAT	21
ART	3:37.11	CARTER ELLIOTT	39	JERRY MYERS		DAM	3:50.70
JOHN BROWN	30	ELLIS DIXON	37	NCAM	4:16.34	MATT GRAHN	23
JOE MCGINNIS	28	SCSM	3:56.40	ROLFFS PINKERTON	56	ANDY KELLY	27
SEAN FITZGERALD	32	MICHAEL FEELEY	42	JOHN KORTHEUER	64	ERNIE HOFTZER	25
CHRISTOPHER LEE	29	CHRIS NELSON	38	DICK WEBBER	66	BRAD WINSOR	24
MINN	3:38.19	RALPH THOMAS	43	JERRY CLARK	58	STAN	3:52.83
PAUL WINDRATH	42	RALPH ELDER	42	WCM	4:38.60	VIJAY LATHI	23
JOE VRUDNY	31	EMP	3:56.60	STAN PEDDER	61	CHRIS MORGAN	24
ROBERT THOMPSON	27	SCOTT SCHLIEMAN	44	STAN MORNER	60	MARK HERNANDEZ	20
ERIK MINGE	28	M GEISINGER	35	BOB NOOTBAR	60	SHANNON TUCKER	24
MARY	3:38.89	ALBERT WINSLOW	35	DON BROWN	63	MARY	4:03.22
RICK SHINNICK	29	JOHN MONTESTI	35	AAM	5:13.29	PAT BALLARD	33
AARON THOMPSON	27			H. NADIG	58	JOHN MORGAN	31
KEN STONEY	32	45 +		R. HEMEON	65	DOUG KARR	26
ED LINGELBACH	26	R:NEW ENGLAND	96 3:32.57	J. STROM	68	WYATT ULRICH	24
1776	3:42.52	ROBERT SELTZER		B. PATTERSON	63	MNLO	4:03.32
WARREN FISHER	40	BRUCE MOHL		SWOM	5:18.77	TOM MCRAE	29
HERB MERKERT	31	DAN ROGACKI		ROBERT KOENIG	58	JOE RAGAINS	37
DANIEL ALLEN	34	HOMER LANE		DICK CHISHOLM	61	BRIAN KOHLMEIER	27
HENRY DETERING	50	NEM	3:32.57	JAMES GARVIN	61	YUSUKI BANNAI	24
WCM	3:42.61	DAN ROGACKI	48	FRANK SAMOYA	70	MVM	4:13.01
PAT OWENS	33	ROBERT SELTZER	45	NAST	7:29.36	DON ANDERSON	44
TODD HAVERSON	27	BRUCE MOHL	49	PHIL WHEELER	70	STEVE RAIFF	26
KEVIN PONTI	27	HOMER LANE	46	IRVING HEATH	77	ALAN LIU	23
TODD BAILEY	25	MINN	3:51.62	AL EBBINGHAUS	71	ERIC FORESTER	37
SCAM	3:44.13	JOHN ZIEGENHAGEN	49	JERRY MYERS	57	GCMT	4:40.79
PAUL ENDRES	32	RICHARD REED	45			CHRIS BIRNBRICH	32
ERIC SEWARD	34	JAMES WHITE	53	65 +		KEVIN BURKE	23
PAUL JOHN	32	JIM PELISSIER	52	R:S CALIF AQU	90 4:28.95	JON RENTZ	26

# TOP TEN - SHORT COURSE YARDS

DAVID POORBOUGH	24	RINC	3:58.42	JOHN SELMER	54	JAY CRADDOCK	75
25 +		BILL OLIVER	35	STEVE CALLENDER	54	ALDO DA ROSA	78
R:U OF SAN FRAN	92	FRED FARLEY	42	MARY	4:44.87	DAR WHEELER	79
KIRK JENSEN		GARY GIBSON	38	PETER OROSZLAN	51	*****	
ERIC LARSON		FRED MITCHELL	43	DAVE FULLER	46	RELAYS: M E N 800 YD. FREE	
MATT JONES		SANTA CRUZ MAST	4:01.36	JACK ILIFF	51	*****	
DAN KNIGHT		BRENDAN MCNULTY	36	NED DALY	51	19 +	
WCM	3:42.13	GARY KRAGE	40	LAM	4:50.35	R:DAVIS AQUATIC	96 7:09.51
STEVE ENNIS	32	JOEL WILSON	47	DICK THOMAS	48	BRANDON CARTER	
TERRY DIXON	31	DON BACCI	43	MAYBRY TYSON	47	MATT GRAHN	
STEVE STAHL	31	USF	4:01.94	ROSS BRIDGES	48	BRAD WINSOR	
JIM LAWRENCE	30	DOUGLAS CONRAD	36	DAVE SHAEFFER	49	JOHN KEPPELER	
STAN	3:43.36	BRIAN SKUSE	39	1776	4:51.00	DAM	7:09.51
CARR PHILLIPS	30	DEAN PRZYMUS	35	J. NATHAN LEECH	47	BRANDON CARTER	25
BRIAN SCOTTOLINE	31	EVAN MARKIEWICZ	39	JOHN WERNETTE	52	MATT GRAHN	23
JIM TUCKER	35	DAM	4:06.36	HENRY DETERING	50	BRAD WINSOR	24
SAM WORDEN	33	PAUL LANDES	46	MICHAEL LEVY	52	JOHN KEPPELER	28
NEM	3:48.69	JOHN TICE	38	O*H*I*O	5:13.03	TRGG	7:12.63
ROBERT BERRY	28	ANDY MCPHERSON	45	R SINSHEIMER	46	MARK CORBISIERO	26
S.VANKUILENBURG	31	MARK GRISMER	37	GERALD MEYER	51	C.NELLEN	27
ED GENDREAU	33	CONN	4:11.72	DAVID QUIGGIN	51	KEN PETRIE	28
MIKE POWER	34	JEFF STUART	35	T SPENCE	51	PAUL FRANCO	22
SNM	3:49.56	DAVID LEWIS	39			CHBS	7:49.25
DAVE BRANCAMP	34	RICK FULLJAMES	44	55 +		DALE MERCKER	29
DON MCKENZIE	48	STEVE HAMMER	35	R:WALNUT CREEK	91 4:55.98	MICHAEL NEAL	31
NENAD RODIC	25	WARREN FISHER	40	MIKE MILLIMAN		JEFF HOGG	30
CHIP HOBSON	28	STEVE KELLY	38	CHET WERSHILA		CHRIS JOHN	23
USF	3:56.23	JOHN MCSHANE	44	STAN MORNER		USF	7:54.05
GREG MACKEM	27	RICH SASSAMAN	39	STAN PEDDER		TAKAO HENSCH	29
PETER GRUENDER	33	USF	4:20.24	DAM	5:10.63	DWIGHT FENTON	24
VICTOR CASILLO	31	STEVE MUNDSCHAU	42	RON DEGLER	58	LIAM HENNESSEY	32
MATT CEVALLOS	25	ERNEST FAITOS	39	EMERY HAWORTH	60	K.PAOMAHANAKA	19
USF	4:00.22	JOHN HATHAWAY	38	ROBERT NORRIS	57	USF	8:08.67
TAKAO HENSCH	29	JACK HALLAHAN	35	STEVE CARLSON	76	BEN NOWELL	24
THORSTEN ANDERSON	29	STAN	4:24.27	USF	5:26.98	DWIGHT FOSTER	33
JONATHAN MELTON	27	PETER SKINNER	41	JOE ILLICK	61	ROMAN KOTYLAR	19
DWIGHT FOSTER	33	MIKE HEIDEMAN	39	ROBERT FEWSTER	57	STEVE SCHATZ	30
EMP	4:02.01	CROWLEY	38	DANIEL OSBORNE	62	GOLD	9:28.22
JOHN MONTESTI	35	DEREK DALEY	37	C.SAUNDERS	57	JOHN BONNING	40
THORSTEN WOLFF	33			SWOM	5:47.90	DAVID ELLMAN	34
TIMOTHY HYNES	30	45 +		ROBERT WILLIAMS	57	BILL BREWER	41
STEVEN FISHER	33	R:OLYMPIC CLUB	96 3:59.11	ROBERT BLOEBAUM	69	JONATHAN COYLE	24
MARY	4:03.66	TOD SPIEKER		JAMES GARVIN	61		
KEN STONEY	32	BOB STRAND		ROBERT KOENIG	58	25 +	
AARON THOMPSON	27	JIM ELDER		1776	5:57.00	R:SANTA CLARA	94 7:00.25
RICK SHINNICK	29	STEVE CLARK		DAVID GLADFELTER	60	SERGEY MARINIUK	
ED LINGELBACH	26	TOC	3:59.11	JERRY KATZ	57	FRANZ MORTENSEN	
TERA	4:05.63	TOD SPIEKER	47	HAL BEGEL	66	MICHAEL MOORE	
DAVE BOATWRIGHT	32	BOB STRAND	50	BILL LA BARR	55	JON CHRISTENSEN	
JIM PARKER	46	JIM ELDER	52			USF	7:28.77
PHIL FISCHER	38	STEVE CLARK	52	65 +		DOUGLAS DAWKINS	33
CHRIS DANESI	27	NEM	4:05.60	R:ST PETE	96 5:03.76	DEAN PANZICA	33
GNY	4:06.59	DAN ROGACKI	48	PAUL HUTINGER		VICTOR CASTILLO	31
MATT KAMMERER	31	ROBERT SELTZER	45	ROBERT MACDONALD		JONATHAN MELTON	27
JERRY FUNK	27	BRUCE MOHL	49	MIKE TORSNEY		MARY	8:06.49
BRIAN HUDAK	29	HOMER LANE	46	THOMAS SMITH		AARON THOMPSON	27
BARRY HALL	34	USF	4:16.99	SPM	5:03.76	KEN STONEY	32
		DUKE DAHLIN	47	PAUL HUTINGER	71	ED LINGELBACH	26
35 +		PAUL MENYHARTH	49	R.L. MACDONALD	68	RICK SHINNICK	29
R:U OF MINN	93 3:45.22	JULIUS YOUNG	49	MIKE TORSNEY	65	GNY	8:22.02
PAUL WINDRATH		JOHN LADD	50	THOMAS SMITH	68	MATT KAMMERER	31
JOHN EVERS		CONN	4:18.99	USF	7:34.93	JERRY FUNK	27
DARRELL SMITH		JOHN PHILLIPS	49	JAMES FRANKEL	72	BARRY HALL	34
NATHAN LEIGH		JACK MCCOY	55	BOB DANIELSON	66	BRIAN HUDAK	29
WCM	3:52.29	MICHAEL LAUX	54	VICTOR DEKALB	70	RINC	8:24.05
CHRIS OSHIRO	39	JACK GEOGHEGAN	54	RICHARD SCHOMBURG	69	JOHN SELMER	50
LARRY PATTERSON	36	WCM	4:30.27			IVO RAZNJIVIC	34
KERRY OEBRIEN	39	DON BROWN	62	75 +		RICH FARLEY	32
DAVE COOL	35	JACK LANCE	53	R:ST. PETE	91 6:55.99	GREG RAAB	26
USF	3:55.25	MAL JESTER	48	FRANK TILLOTSON		GCMT	8:29.90
KENT FORD	42	JOHN KELLER	46	WILLIAM MOLLOY		CHRIS BIRNBRICH	32
JACK EWING	35	RINC	4:34.74	JOHN JOHNSTON		ED POWERS	34
BRAD PENCE	44	JIM SHAW	54	KERMIT HOTVEDT		DENNIS HOGAN	29
RICHARD GARRETT	42	DAVE LEVINSON	46	RINC	7:20.26	ROBERT WRIGHT	43
				JOE IRVINE	85	GOLD	8:43.40

# TOP TEN - SHORT COURSE YARDS

JOHN CUNNINGHAM	33	DAVID LEWIS	39	1776	10:12.03	B.LICHTENWALTER	29
EDWARD AMES	25	GNV	8:36.57	DOUG BROWN	57	JENNIFER BARRERA	23
DAVID BOUDREAU	37	PATRICK COMER	36	DAVID HARRISON	58	SUSIE MORTENSON	27
RANDY NUTT	36	BILL GRAUVOGEL	41	JACK KIRLIN	57	JOHN GRAF	28
USF	8:52.03	JEROME FRY	39	DAVID GLADFELTER	60	ACFM	1:35.89
MIKE SLYTER	33	S REIDEL	36	DAM	10:27.00	JASON BAKER	23
PAUL DAVIES	33	45 +		RON DEGLER	58	SCOTT KENNELLY	25
MATT MCCORMICK	33	R:OLYMPIC CLUB	94 7:56.06	ROBERT NORRIS	57	NANCY AUGLIERA	32
KEVIN OEOYLE	31	ROBERT STRAND		STEVE CARLSON	76	KRISTINA HARTUNG	24
WKY	9:02.76	TOD SPIEKER		EMORY HAWORTH	60	STAN	1:36.37
JEF STEVENSON	42	TIM BIRNIE		MARY	11:43.56	CHRISTOPHER ROAT	21
MARK SCHNOES	32	BOB MOMSEN		JIM FORSYTHE	57	KANA SHIBUYA	24
LYNN OLSEN	48	NEM	7:57.50	KEN POLLOCK	63	CHRISTINA WONG	22
RON FINLEY	37	DAN ROGACKI	48	JOHN COLLINGS	68	SHANNON TUCKER	24
WILD	9:04.96	BRUCE MOHL	49	DONALD RICE	62	DAM	1:37.19
MATTHEW PAINTER	36	ROBERT SELTZER	45	LAKE	12:05.74	TIM LYNCH	25
KEITH RAKER	26	HOMER LANE	46	MARTY O'TOOLE	56	LAURA THIRION	20
TODD KENYON	32	STAN	8:10.43	GARY WEISENTHAL	82	TATE BIRNIE	21
DENNY HAMILTON	49	RICHARD EAGLESTON	46	LARRY ISOM	55	BRAD WINSOR	24
O*H*I*O MASTERS	9:06.98	ROGER VON OECH	48	ROBERT MILLER	60	SDSM	1:37.29
TIM BOPP	26	JIM MERCHANT	49	65 +		BRIAN CAMPION	34
LARRY FRAM	41	TIM BRODERICK	45	R:SCAQ	93 10:40.71	CHRIS DIXON	38
ROBERT MARTIN	45	DAM	8:26.12	LEE ARTH		D.MORTENSEN	24
GREG REYNOLDS	35	JOHN MILLS	49	JURGEN SCHMIDT		MICHELE DIXON	26
35 +		TED DEACON	46	BOB MERRICK		AAM	1:37.72
R:MINNESOTA	96 7:22.68	PAUL LANDES	46	FRANK PIEMME		KRISTINA HARTUNG	24
SKIP GRANTHAM		ANDY MCPHERSON	49	O*H*I*O	12:38.88	KRISTEN FUCHS	34
PAUL WINDRATH		USF	8:33.07	JOHN DAILY	68	ERIC FUCHS	25
JIM STEWART		RICHARD ATONDO	46	DEXTER WOODFORD	82	JASON FUCHS	23
NATE LEIGH		DUKE DAHLIN	47	PIERCE BRAY	72	25 +	
MINN	7:22.68	JOHN LADD	50	PIETER CATH	65	R:S. CAL AQUATIC	90 1:29.40
SKIP GRANTHAM	35	JULIUS YOUNG	49	USF	13:23.33	CHUCK PONTHER	
PAUL WINDRATH	42	MINN	9:00.83	BOB DANIELSON	66	DIANE GRANER	
JAMES STEWART	39	JOHN ZIEGENHAGEN	49	JAMES FRANKEL	72	KRISTINE BUSH	
NATE LEIGH	40	RICHARD REED	45	RICHARD STROMBURG	69	PETER MCCLAFFERTY	
IM	7:27.03	JIM PELISSIER	52	FRED ROGERS	73	WCM	1:31.76
ANDY SEIBT	37	JAMES WHITE	53	75 +		SARA SHAND	31
DAVE GIBSON	35	CONN	9:02.04	R:ST. PETE	90 13:46.24	STEPHEN STAHL	31
TED SOLTYS	35	JERRY THIMME	51	WILLIAM MOLLOY		JAMES LAWRENCE	30
TOM MCCABE	38	JOHN SCHWARTEN	48	FRANK TILLOTSON		MICHELLE GHIGGERI	27
WCM	7:50.58	MICHAEL LAUX	54	KERMIT HOTVEDT		RMM	1:33.07
DAVE COOL	35	JACK GEOGHEGAN	54	FRED WALBOLT		COLLETTE SAPPEY	31
KERRY OEBRIEN	39	SWOM	9:12.93	NO RELAY TEAMS		LAUREEN WELTING	30
DEAN HARPER	43	AL LLOYD	47	*****		CRAIG PETERSEN	36
DOUG GOODMAN	40	DAVID ABINERI	47	RELAYS: MIXED 200 YD. FREE		JAMES LILLEY	36
SRM	7:53.16	RAY WITTE	46	*****		SDSM	1:33.97
DAVE HALE	40	RANDY SIMMONS	47	19 +		GARY FORTUNE	28
DOUG STILING	37	LAKE	9:42.87	R:LONG BEACH	93 1:31.16	JAMES FEGAN	32
JOHN MORALES	37	WOODY TURRENTINE	47	BERT BERGEN		K.PIPES-NEILSEN	34
PAUL SIMS	37	GLENN HUBBUCH	50	MATTHEW MITCHELL		VICKY DAVIDSON	31
USF	7:55.16	JAMES GOODWIN	48	SHERRY GAERTNER		WCM	1:34.62
TAITE DARLINGTON	40	WILLIAM TINGLEY	45	PEGGY GROSS		DAVID CADEMATORI	30
KENT FORD	42	USF	9:48.85	TOC	1:32.24	WENDY INGRAHAM	32
RICHARD GARRETT	42	WILLIAM TULL	45	MARTIN HERRMANN	26	LIZ SEYMOUR	28
STEVE MUNDSCHAU	42	ELMER TOSTA	47	GREG LARSON	26	TOM MONTOYA	29
LAKE	8:16.35	DONALD GOODKIN	49	ELAINE WEIGAND	24	DAM	1:34.67
CHUCK LAMBERT	39	MICHAEL MOORE	45	SHARON SCOTT	24	JOHN KEPPELER	29
TED LEE III	38	MICH	9:57.12	WCM	1:33.86	STEPHANIE KOOP	32
KIRK BUESE	35	DONALD KROEGER	52	CHRIS REDDAM	23	JENNIFER LUNDMARK	29
JIMBO MARTIN	38	THOMAS MOYER	48	HILARY PLUMMER	21	ANDREW KELLY	27
WCM	8:24.51	ALBERT MORLEY	58	KATHLEEN HARTNETT	24	BEAC	1:35.33
MIKE MCGOWAN	44	PAUL CHAFFEE	53	CHRIS MACK	20	JAMES BERGEN	28
PETER GUADAGNI	41	55 +		SNM	1:34.59	MICHAEL KANNER	27
GARY GIBB	40	R:GRIN	95 9:12.24	TIMOTHY O'MARA	24	PATRICA MITCHELL	27
DAVE ALANDT	44	DAVID COSTILL		BONNIE FRYER	24	KATHY UTLEY	25
USF	8:26.51	MEL GOLDSTEIN		KAREN LEFEBRE	28	STAN	1:35.53
BRIAN SKUSE	39	FRAN MCAREE		SCOTT EVANS	24	RANDY COX	33
DEAN PRZYMIUS	35	JERRY MYERS		WCM	1:34.82	GRETCHEN EBNER	29
DOUGLAS CONRAD	36	USF	10:06.96	JENNY SADLER	24	JANE WORDEN	32
JOHN HATHAWAY	38	DANIEL OSBORNE	62	BETH DAVIS	19	CARR PHILLIPS	30
CONN	8:31.38	ROBERT FEWSTER	59	BILLY CLARATY	20	OREG	1:35.88
STEVE HAMMER	35	JOE ILLICK	61	SETH HAYNES	19	PHILLIP KING	29
GEORGE DOWD	36	C.SAUNDERS	57	SCSC	1:35.03	ELLEN FERGUSON	33
THOMAS MEECHAN	39					SIMONE LAPAY	35



# TOP TEN - SHORT COURSE YARDS

WILLIAM ZOLNA	26	R:LOS ALTOS	94	1:40.31	DIANE REED	65	A EREMCHUK	70
ARIZ	1:35.97	DICK THOMAS			JOHN FULOP	55	CAROL KNEPP	70
JOHN PIECUCH	40	DAVID GRAY			NCMS	2:03.08	JILL COLEMAN	65
LIZ HOBBS	34	SUSAN ROY			SALLY NEWELL	58	JIM GRONSETH	69
MARIKA JOHNSON	33	CAROLYN BOAK			CEIL BLACKWELL	55	SPCO	2:37.51
RALPH BOVARD	43	SNM		1:44.20	MILTON GEE	59	AL ROGERSON	70
RMM	1:36.00	BUTCH NELSON		48	DICK WEBBER	66	SUE MCGAUGHEY	74
VANCE HOWARD	35	SALLY DILLON		49	SPM	2:07.02	BUNNY CEDERLUND	74
HOLDEN BANK	36	CELESTE MILLER		46	JAYNE LAMBKE	56	R.H. ROBECKI	66
ELLEN ATKINSON	33	STEVEN LINTZ		45	MARGARET VANEVERY	55	OHIO	2:49.11
CHRISTY LIPSON	26	LAM		1:44.97	M.R. MCLOUGHLIN	59	JOHN DAILY	68
SCAQ	1:36.00	DICK THOMAS		48	HAROLD FERRIS	65	DAR FERGUSON	67
C.LANINGHAM	33	MABRY TYSON		47	FGC	2:07.82	M J AMSBARY	71
JERRY SHANDREW	30	MARGUERITE HANSEN		46	JUNE KRAUSER	69	JAMES CALDWELL	65
LISA CHANG	28	CAROLYN BOAK		51	ANNE MCGUIRE	61	1776	2:51.01
ANDREA BENNETT	29	DAM		1:47.33	CARL HOUSE	56	MARY WIXTED	73
		ANDREW MCPHERSON		49	CAV CAVANAUGH	60	ROBERT HARRIS	70
35 +		GAYLE BONDURANT		49	SCAQ	2:08.25	MARIANNA HAGAN	67
R:TEXAS AQUATICS 95	1:34.17	BETTY DUGAN		54	GEORGE VAN-NOY	56	EDGAR LASSINS	76
S.NEILSON-BELL		PAUL LANDERS		46	PETER TAFT	60		
KARLENE WISE		RMM		1:48.08	HELEN GEOFFRION	57	75 +	
BRUCE GREENWOOD		JEAN WOOD		48	P.MCDOWELL-CRAMER	55	R:SAN MATEO	95 2:38.61
PETE NUNAN		JUDY REED		52	MARY	2:09.54	AUDREY ETIENNE	
WCM	1:34.42	TODD BRYAN		45	TED MURRAY	55	ZADA TAFT	
JOSEPH TACK	38	PAUL MCCORMICK		49	NANCY BROWN	60	RAY TAFT	
CAREN MCNAMARA	35	ARIZ		1:48.46	FRANCES HAYWOOD	64	ED MORAN	
PAULA ROEMER	35	JAMES BLY		49	KEN POLLOCK	63	WCM	2:51.91
JOHN RING	37	JONELLE SCHMIDT		45	LAM	2:10.01	ROY ERLANDSON	82
TOC	1:36.76	JACKIE MARR		52	JAMES DULEY	57	SALLY JOY	79
DAVID LUNDBERG	35	RONALD JOHNSON		64	THOMAS TISCH	57	PATRICIA PREVETZ	75
KIRK JENSEN	35	VMST		1:50.93	CLARINE ANDERSON	60	WILLIAM JOHNSTON	77
DANIELLE OGIER	43	TERRY GAULT		45	DELLA SEHORN	68	SMMM	3:04.21
CORINNA SEIBT	35	JIM MILLER		45	RINC	2:10.65	FRED TAIOLI	75
UTAH	1:38.26	NANCY MILLER		46	AUGUST MOTMANS	68	EDWARD MORAN	78
MIKE MAKARCZYK	36	KENNETH NOVELL		53	JACK HALLIDAY	59	ZADA TAFT	76
ROBYNN MASTERS	37	MARY		1:51.24	SUSAN SPRINGER	57	HELEN ROUMASSET	80
LO KNAPP	41	JOHN FLANAGAN		50	ANN KAY	62	MARY	3:16.41
MORI PAULSEN	38	VIKI ALTOMONTE		46	65 +		DORIS RUSSELL	75
NEM	1:38.27	MARGE BURLEY		50	R:GOLD COAST	95 2:02.20	WALTER SOMPAYRAC	82
BOB SELTZER	45	CHRIS OSTROM		50	WILLIAM DOLAN		RAY EDELHOFF	83
JENNIFER LUKER	39	NEM		1:51.76	CYNTHIA BRUCE		BETTY TAYLOR	80
BARBARA CROWDER	38	CHIP WYSER		50	MARGARET TIMMINS		*****	
ROBERT CROWDER	40	CONSTANCE SASSER		49	DONALD SONIA		RELAYS: MIXED 200 YD. MEDLEY	
1776	1:38.54	EVELYN HAUSBERGER		51	OSB	2:10.10	*****	
CHARLES NORELLI	40	BRUCE MOHL		50	JURGEN SCHMIDT	73	19 +	
STU MARVIN	40	1776		1:52.27	MALCHIA OLSHAN	65	R:GOLD COAST	95 1:41.15
STEPHANIE WALSH	46	STEPHANIE WALSH		46	RUTH BAAR	73	LORRAINE PERKINS	
CECILIA MCCLOSKEY	46	J.GREULICK-BROWN		45	WALLACE WOLF	65	JOHN HEATH	
WCM	1:40.36	HENRY DETERING		50	SDSM	2:16.58	SCOTT WALKER	
DAVID COOL	35	J NATHAN LEECH		47	DONALD BAKER	65	HEATHER HAGEMAN	
JOHN ROEMER	40	LAKE		1:53.62	ANN DALLAM	65	TOC	1:43.70
CHARLENE O'BRIEN	39	WILLIAM TINGLEY		45	BOBBI TURCOTTE	68	MARTIN HERRMANN	26
MINDY HAMWAY	37	THOMAS FINNEGAN		49	KENNETH KIMBALL	65	LAURA RANDALL	28
SCAQ	1:40.50	A.WRIGHT-BELKNAP		45	WCM	2:16.76	BRAD BUNDEY	24
TOM KATSOULEAS	38	M.BLASKE-HULL		46	WILLIAM PECKHAM	67	SHARON SCOTT	24
BONNIE ADAIR	43	55 +			ANN HIRSCH	65	SNM	1:46.66
BRIAN JOHNSON	40	R:SAN DIEGO		96 1:54.32	BETTY BARABASH	67	TIMOTHY O'MARA	24
DIANE DAGOSTA	39	BILL EARLEY			FRED TRASK	68	BONNIE FRYER	24
MVM	1:41.04	BETSY JORDAN			SPM	2:24.34	KAREN LEFEBRE	28
DAN'L LEWIN	42	JEANNE LITTLE			PAUL HUTINGER	71	SCOTT EVANS	24
SUSAN HELMRICH	40	MIKE FRESHLEY			DORIS MCEWAN	71	RMM	1:47.14
JULIE PAQUE	38	SDSM		1:54.32	FLORENCE CARR	70	MIKE GONZALES	29
KIRK KOZLOWSKI	38	BILL EARLEY		59	THOMAS SMITH	68	GEORGE MILLER	31
MARY	1:41.38	BETSY JORDAN		59	RINC	2:24.56	M.HOLMQUIST	24
JOHN PROTZMAN	38	JEANNE LITTLE		59	ED KERSWILL	70	CHRISTY LIPSON	26
L HASSELQUIST	38	MIKE FRESHLEY		55	NAN BLACKLEDGE	71	WCM	1:47.36
SUSAN MARINZEL	43	RINC		1:56.79	PATSY WEISS	73	PAMELA BOSCOVICH	33
JIM O'CONNOR	42	JAMES SHAW		55	RICHARD BENNETT	65	CHRIS REDDAM	23
AKMS	1:41.74	CAROL MACPHERSON		57	CATM	2:35.93	STEPHEN STAHL	31
RICK ABBOTT	41	W.CAVANAUGH-BALL		55	R.E. LAVANTURE	73	WENDY INGRAHAM	32
SHERI SCHNEIDER	37	EMERSON CHRISTOFF		56	NANCY DURSTEIN	66	WCM	1:47.65
DAVID LEONARD	41	NEM		2:02.90	JOHN HAAKE	76	KATHLEEN HARTNETT	24
JOANNE WAINWRIGHT	40	BRUCE HUNTER		56	JOAN CAMPBELL	65	JOHN SCHWENGER	30
		CLAIRE O'BRIEN		57	MARY	2:35.98	SUSAN STRONG	24
							TOM MONTOYA	29

# TOP TEN - SHORT COURSE YARDS

ANCM	1:48.26	JEFFREY RODGERS	29	CELESTE MILLER	46	MILTON GEE	59
CLAY BRITT	35	JAMES LAWRENCE	30	LAM	1:57.82	DICK WEBBER	66
JEFFREY RODDIN	27	SCAQ	1:48.80	DICK THOMAS	48	SALLY NEWELL	58
JILL RODDIN	25	BRIAN HAYES	28	MABRY TYSON	47	MARY	2:22.95
NATALIE FERRELL	23	LISA CHANG	28	CAROLYN BOAK	51	NANCY BROWN	60
USF	1:48.31	PAM LAZZAROTTO	34	MARGUERITE HANSEN	46	BOB JOHNSTON	59
CORY MACKIE	32	CHRIS YONTEZ	31	MARY	2:00.84	CARL CHRISTENSEN	58
K.PAOMAHANAKA	19			MARTI BETZ	46	FRANCES HAYWOOD	64
PAMELA FRANKLIN	26	35 +		CHRIS OSTROM	50	SDSM	2:24.16
DWIGHT FENION	24	R:S. CAL AQUATIC 92	1:44.23	JOHN FLANAGAN	50	BILL EARLEY	59
WILD	1:48.40	CLAY EVANS		MARGE BURLEY	50	PETER RIDDLE	58
KARA KELLY	19	KAREN MELICK		RMM	2:01.42	LYNNE LUND	55
STEWART WEAVER	26	JIM BELARDI		TODD BRYAN	45	ANN DALLAM	65
MAURICE STEWART	25	BONNIE ADAIR		J.SCHREIBER	49	DAM	2:25.69
STACY FINGALSON	23	TOC	1:47.44	PAUL MCCORMICK	49	RON DEGLER	58
AAM	1:50.59	CORINNA SEIBT	35	JUDY REED	52	JOYCE HAWORTH	58
JANICE RUSSELL	29	DAVID LUNDBERG	35	DAM	2:02.21	EMORY HAWORTH	59
KRISTINA HATUNG	24	JAMES GRIFFITH	43	PAUL LANDERS	46	SUSAN MUNN	57
BRAD RUSSELL	24	DANIELLE OGIER	43	ANDREW MCPHERSON	49	LAM	2:31.57
JASON BAKER	23	WCM	1:48.14	GAYLE BONDURANT	49	DELLA SEHORN	68
SDSM	1:50.82	PATTY LANDERS	39	BETTY DUGAN	54	RICHARD PLACE	55
VICKY DAVIDSON	31	JOHN ROEMER	40	LAKE	2:04.56	THOMAS TISCH	57
COLIN CHINN	37	CAREN MCNAMARA	35	WILLIAM TINGLEY	45	CLARINE ANDERSON	60
CHRIS DIXON	38	JOHN RING	37	A.WRIGHT-BELKNAP	45	SPM	2:34.64
D.MORTENSEN	24	WCM	1:48.79	THOMAS FINNEGAN	49	MARGARET VANEVERY	55
25 +		GERALD FERRIS	35	M.BLASKE-HULL	46	J.G. PIPER	59
R:LONE STAR 91	1:39.01	GARY PATTERSON	36	ARIZ	2:06.91	DR. EULER	60
MOOK RHODENBAUGH		CHARLENE O'BRIEN	39	JONELLE SCHMIDT	45	SAM HALL	59
GREG RHODENBAUGH		PAULA ROEMER	35	RONALD JOHNSON	64	65 +	
VAL KERR-HAUGE		UTAH	1:49.41	JAMES BLY	49	R:GOLD COAST 95	2:22.24
AMY PLESS		KAREN OLIVER	36	JACKIE MARR	52	CYNTHIA BRUCE	
BEAC	1:43.80	MORI PAULSEN	38	VMST	2:07.23	DON SONIA	
MICHAEL KANNER	27	MIKE MAKARCZYK	36	TERRY GAULT	45	JUNE KRAUSER	
JAMES BERGEN	28	ROBYNN MASTERS	37	NANCY MILLER	46	WILLIAM DOLAN	
KATHY UTLEY	25	SCAQ	1:49.76	KENNETH NOVELL	53	SPM	2:31.60
PATRICA MITCHELL	27	CLAY EVANS	42	JIM MILLER	45	PAUL HUTINGER	71
STAN	1:45.38	KAREN MELICK	39	SPM	2:08.15	DORIS MCEWAN	71
GRETCHEN EBNER	29	BONNIE ADAIR	43	JOHN EDWARDS	47	THOMAS SMITH	68
BRIAN SCOTTOLINE	31	TOM KATSOULEAS	38	ELAINE BROMWICH	53	FLORENCE CARR	70
C.CHICHESTER	32	STAN	1:52.07	H. JACK PHYEL	51	ARIZ	2:35.79
SAM WORDEN	33	KIMBERLY CARLISLE	35	ANNE PAGE	47	NANCY MACBETH	67
WCM	1:45.88	EILEEN WALL	38	UTAH	2:08.22	CAROL TAYLOR	67
PATRICK DUGGAN	32	BRIAN CROWLEY	38	PATRICIA WHITE	46	MAX VONISSER	76
TERRY DIXON	31	CARL COLVARD	40	SCOTT SHIELDS	46	ART KELLEY	70
SARA SHAND	31	MARY	1:52.14	BILL ARTHUR	50	OSB	2:38.29
MICHELLE GHIGGERI	27	L HASSELQUIST	38	P.KAWAKAMI	45	FRANK PIEMME	71
DAM	1:46.73	JOHN PROTZMAN	38	55 +		MALCHIA OLSHAN	65
JOHN KEPPELER	29	JIM O'CONNOR	42	R:D.C. MASTERS 95	2:06.60	JURGEN SCHMIDT	73
JENNIFER LUNDMARK	29	JILL SPRINGER	37	LEE BETTIS		RUTH BAAR	73
TIM LYNCH	25	1776	1:52.26	JOANN LEILICH		SDSM	2:38.56
STEPHANIE KOOP	32	CECILIA MCCLOSKEY	46	BILL NEWMAN		DIANA SILVA	74
RMM	1:46.97	MICHAEL CASCIATO	36	JAYNE BRUNER		DONALD BAKER	65
SHELLE MARSH	31	STEPHANIE WALSH	46	SDSM	2:07.71	DONALD HUBBARD	68
ELLEN ATKINSON	33	CHARLES NORELLI	40	BETSY JORDAN	59	BOBBI TURCOTTE	68
JAMES LILLEY	36	NEM	1:52.61	MIKE FRESHLEY	55	WCM	2:40.32
CRAIG PETERSEN	36	ROBERT CROWDER	40	GEORGE WOTHINGTON	58	WILLIAM PECKHAM	67
DOC	1:47.57	PAUL FRONCEK	41	JEANNE LITTLE	59	ANN HIRSCH	65
MARTIE MCKINNEY	31	BARBARA CROWDER	38	WCM	2:13.23	ELFRIEDE ROGERS	68
DOUGLAS BOYD	31	JENNIFER LUKER	39	BARBARA JORDAN	58	FRED TRASK	68
STEPHANIE PORTER	34	WCM	1:53.61	STAN MORNER	61	RINC	2:47.04
JOHN DISALLE	31	GENE HART	43	DONALD BROWN	62	RICHARD BENNETT	65
USF	1:47.73	TOM DUGAN	37	MIDGE KRAETZER	57	PATSY WEISS	73
JILL ROTHKOFF	29	DEBBIE FLANSBURG	40	RINC	2:16.56	ED KERSWILL	70
JENNIFER TONON	25	MINDY HAMWAY	37	ANN KAY	62	TERRY ACHELIS	72
JONATHAN MELTON	27	45 +		JACK HALLIDAY	59	O*H*I*O	2:57.19
ANDREW GELLER	27	R:LOS ALTOS 94	1:52.68	EMERSON CHRISTOFF	56	DAR FERGUSON	67
TOC	1:47.79	DICK THOMAS		CAROL MACPHERSON	57	M J AMSBARY	71
SEAN MURPHY	32	SUSAN ROY		NEM	2:17.56	JAMES CALDWELL	65
JAMIE PATRICK	25	CAROLYN BOAK		BARR CLAYSON	60	JOHN DAILY	68
LYNN JOLLY	30	DAVID GRAY		CLAIRE O'BRIEN	57	MARY	2:59.05
TORY VALENTINE	29	SNM	1:57.60	JOHN FULOP	55	JOHN COLLINGS	68
WCM	1:47.89	FRANS NELSON	53	DIANE REED	65	CECIL HULL	74
PENNY LEACH	33	DON MCKENZIE	49	NCMS	2:20.48	JILL COLEMAN	65
KAREN DUGGAN	25	SUSAN TYLER	47	CEIL BLACKWELL	55	CAROL KNEPP	70

# TOP TEN - SHORT COURSE YARDS

SPCO	3:02.33	GARY PATTERSON	36	R:TEXAS AQUATIC 95	3:30.17	MC ZIMMET	48
BUNNY CEDERLUND	74	FCMC	3:43.08	S.NEILSON-BELL		BOB KOLONKOWSKI	48
R.H. ROBECKI	66	SCOTT WILLIAMS	40	DAVE HAGUE	1776	HENRY DETERING	4:24.97
SUE MCGAUGHEY	74	STEPHANIE BEISER	27	KARLENE WISE		J.GREULICK-BROWN	45
AL ROGERSON	70	SIONAINN MARCOUX	24	BRUCE GREENWOOD		STEPHANIE WALSH	46
CATM	3:05.54	JOCK PATTERSON	28	TOC	3:37.08	J NATHAN LEECH	47
JOHN HAAKE	76	LOST	3:52.95	DANIELLE OGRER	35	USF	4:31.92
R.E. LAVANTURE	73	MOLLY BERNHART	22	MARGUERITE MEYER	37	DUKE DAHLIN	47
NANCY DURSTEIN	66	DAVE MOXNESS	23	STEVE CLARK	51	B.BRINKERHUFF	45
JOAN CAMPBELL	65	JENNIFER WILSON	23	MIKE KECK	36	SUSAN LOMBARDI	47
		BRIAN TOBIN	24	WCM	3:39.80	JOHN LA DO	50
75 +		MENLO PARK	3:54.08	JOE TACK	38	MARY	4:35.24
R:D.C. MASTERS 92	3:11.96	GAIL RAGAINS	38	CAREN MCNAMARA	35	JACK ILIFF	51
ANNE WALKER		TRACY MCLACHLAN	23	MINDY HAMWAY	37	NED DALY	51
KELLEY LEMMON		TOM MCRAE	28	JOHN RING	38	SALLY ILIFF	50
NANCY CLARK		BRIAN ASCHER	29	USF	3:45.73	VIKI ALTOMONTE	45
BERT KASSELL				DARLINGTON TAITTE	40	MICH	4:45.37
SMMM	3:13.04	25 +		LYNN DE GEORGE	35	FREDERICKA RAPP	51
AUDREY ETIENNE	79	R:U OF SAN FRAN 92	3:27.39	S.WINCKLEAR	35	BEVERLY MYERS	60
HELEN ROUMASSET	80	DAN KNIGHT		BRAD PENCE	44	THOMAS MOYER	48
RAY TAFT	76	KELLY ASPLUND		WCM	3:48.50	DONALD KROEGER	52
EDWARD MORAN	78	MICHELLE YOUNG		CARY KENT	43	GOLD	4:51.92
WCM	3:24.99	MATT JONES		CHARLENE OEBRIEN	39	SUSAN EPPS	47
BOB STRINGHAM	76	WCM	3:29.77	DIANE HENSEN	40	B.EDELMAIER	48
SALLY JOY	79	SARAH SHAND	32	DOUG GOODMAN	35	WILLIAM QUALE	54
BILL JOHNSON	77	MICHELLE GHIGGERI	27	TOC	3:53.01	CAV CAVANAUGH	60
MARY JANE REEVES	79	TERRY DIXON	30	CHARLES YOURD	44	USF	4:56.48
MARY	3:39.60	STEVE STAHL	31	JOE DIETRICH	43	RICHARD ATONDO	46
MARGARET GAIL	76	USF	3:31.81	PHYLLIS QUINN	40	MARTHA CAMPBELL	47
GEORGE SZEGO	76	JONATHAN MELTOH	27	CAROL BADGER	36	BARBARA LAMBERTO	51
DORIS RUSSELL	75	PAMELA FRANKLIN	26	USF	3:58.77	JULIUS YOUNG	49
RAY EDELHOFF	83	JENNIFER TOTON	25	RICHARD GARRET	42	TGM	5:49.79
*****		DEAN PANZICA	33	LISA DANYLUK	36	WILLIAM ROBERTSON	59
RELAYS: MIXED 400 YD. FREE		WCM	3:34.72	JENNIFER SCANLON	35	MARY LOU HILL	47
*****		STEVE ENNIS	32	BLAGDON MARCK	41	ELLEN BUTLER	49
19 +		PAM BOSCOVICH	33	STAN	4:00.17	JAMES EDWARDS	50
R:U OF SAN FRAN 92	3:25.18	PAULA ROEMER	34	EILEEN WALL	36		
GREG MACKEM		JIM LAWERENCE	30	LINDA LIPINSKI	36	55 +	
JENNIFER SADLER		DAM	3:41.44	BROOKS NELSON	41	R:NEW ENGLAND 87	4:34.21
BRENDA WICKLUND		ERNIE HOFTYZER	25	DAVE TAMURA	39	TOM LYNDON	
GARY YANG		STEPHANIE KOOP	32	DAM	4:02.19	TED HARTZ	
USF	3:25.18	JENNY LUNDMARK	29	JOHN TICE	38	M MARTIN	
ROMAN KOTLYAR	19	ANDREW KELLY	27	LISA KRAUSS	37	D REED	
SARAH QUICK	32	USF	3:42.53	KRISTEN ROGERS	38	WCM	4:40.99
NATALIE EFFA	28	SCOTT ADAMS	31	MARK GRISMER	37	DON BROWN	62
DOUGLAS DAWKINS	33	JILL ROTHKOFF	29	MINN	4:14.24	BARBARA JORDAN	58
TOC	3:30.56	CATHY FLORKOWSKI	28	BECKY BRITTON	35	MIDGE KRAETZER	59
SHARON SCOTT	24	RICHARD ROLL	29	PATRICK BURCH	42	STAN MORNER	61
LORETTA SOFFE	29	SCM	3:42.87	NANCY KRYKA	41	USF	4:53.70
GREG LARSON	26	BRENDAN MCNALTY	36	JAMES STEWART	39	DANIEL OSBORNE	62
JAMIE PATRICK	25	SHERRY COOK	31	GCMT	4:16.25	NANCY STRETCH	56
STAN	3:35.44	GARY KRAGE	40	ROBERT HAFERTEPEN	38	C.SAUNDERS	57
CARR PHILLIPS	30	ELAINE WIMER	35	PAIGE LINSKER	43	TANAKO HAGIWARA	57
HEATHER MARKS	24	MAM	3:45.89	ROBERT WRIGHT	43	DAM	4:58.69
C.CHICESTER	32	SUZANNE DIVELBISS	30	PAM BECK	38	SUSAN MUNN	57
CHRIS ROAT	21	MIKE BACHUS	40	45 +		RON DEGLER	58
USF	3:35.72	GRANT INMAN	44	R:LOS ALTOS 93	3:57.80	JOYCE HAWORTH	57
DWIGHT FENTON	24	MICHELLE LEARY	29	ED CAZALET		EMORY HAWORTH	60
JENNIFER COLLINS	24	STAN	3:45.90	CAROLYN BOAK		USF	5:02.07
KENNEL KRISTA	23	KIM CARLISLE	35	DAVE GRAY		ROBERT FEWSTER	57
K. PAOMAHANAKA	19	MEG LLOYD	34	KRISTI KING		SUSAN LANGDON	55
DAM	3:36.31	STEVE FUSELIER	36	DAM	4:08.94	JOE ILLICK	61
TATE BIRNIE	21	CARL COLVARD	40	PAUL LANDES	46	CAROL REQUADT	58
CHRISY SCHULTZ	24	DYNA	3:46.46	BETTY DUGAN	54	1776	5:04.44
MATT GRAHN	23	JENNIFER COERS	25	GAYLE BON DURANT	49	ELIZABETH KRUPKA	58
BRAD WINSOR	24	RANDY RANDOLPH	37	ANDY MCPHERSON	49	PATRICIA TULLMAN	59
WCM	3:36.50	F.WILLIAMSON	48	RINC	4:17.11	DOUG BROWN	57
ANNE OBERG	24	CORD KAMM HOLZ	30	JOHN SILMER	50	JACK KIRLIN	57
CHRIS REDDEM	23	RINC	3:52.53	CAROL MCPHERSON	57	WCM	5:09.14
JEFF RODGERS	29	BRIAN BOLSTER	26	ANN KAY	62	STAN PEDDER	61
KATHLEEN HARTNET	23	CHE KAI-CHING	26	JIM SHAW	54	JOAN ALEXANDER	64
WCM	3:39.55	CHRIS KANAZAWA	29	EMP	4:20.19	DONNA MONROE	62
PENNY LEACH	33	DAN ROGERS	26	LISA MARTIN	47	BOB KAHL	62
VINCENT LANE	25	35 +		JON EINSIDLER	45	MARY	5:09.85
SUSAN STRONG	24						

# TOP TEN - SHORT COURSE YARDS

KEN POLLOCK	63	SUSAN STRONG	24	LUCILLE GLASSMAN	32	CAROL RIDDELL	48
NANCY BROWN	59	DAVE COOL	35	STEPHANIE FRYBERG	25	JEREMY COHEN	47
FRANCES WESTON	55	AAM	4:27.53	TOM GIBSON	32	DAVE DUVENEK	47
JIM FORSYTHE	57	AMY HOLLAND	27	TIM PIPER	33	LAM	5:22.13
65 +		KRISTOPHER KEUSER	22	35 +		JIM MCCOY	53
R:CONNECTICUT	87	SHARON BEENE	33	R:WALNUT CREEK	96	MARGUERITE HANSEN	45
D. DONNELLY	5:15.84	SCOTT MACHADO	25	PATTY LANDERS	4:04.01	CAROLYN BOAK	50
N. PHILLIPS		GOST	4:27.85	JOHN ROEMER		DOUG SHEAFFER	49
R. CHAMBERLAIN		MARY LAMB	27	KERRY O'BRIEN		AAM	5:28.08
J. JERROLD		MIKE LEYMASTER	23	MINDY HAMWAY		MARILYN BLISS	49
1776	5:42.41	ED BAIER	23	WCM	4:04.01	NANACY SHAW	49
HAL BEGEL	66	BRANDY IVEY	20	PATTY LANDERS	39	F.VERDUZKO	45
RUTH AARON	67	WCM	4:29.14	JOHN ROEMER	40	DAVE CLARE	46
JEANNE MERRYMAN	73	KELLY KENTFIELD	30	KERRY OEBRIEN	38	GOLD	5:29.38
JOHN EMANUEL	71	SOPHIA OSBORNE	34	MINDY HAMWAY	37	SUSAN EPPS	47
USF	6:20.91	TODD BAILEY	25	WCM	4:27.26	WILLIAM QUALE	54
BOB DANIELSON	66	MATT MUNDELIUS	23	CHRIS STEWART	42	B.EDELMAIER	48
MARGARET VORHEES	67	SMMM	4:29.79	TOM DUGAN	37	CAV CAVANAUGH	60
R.SCHOUMBURG	69	BRENT WASHBURNE	34	DEBBIE FLANSBURG	40	MICH	5:42.89
MARY GREER	79	JENNIFER MEYER	26	JULIE MCKINLEY	38	THOMAS MOYER	48
MARY	8:16.34	JOEL NORGAARD	34	GOLD	4:44.42	BEVERLY MYERS	60
JILL COLEMAN	65	DENISE CRAWFORD	23	DEBBIE CAVANAUGH	37	DONALD KROEGER	52
GEORGE SZEGO	76	25 +		DAVID BOUDREAU	37	FREDERICKA RAPP	51
JOHN COLLINGS	67	R:WALNUT CREEK	91	RANDY NUTT	36	GOST	5:44.29
BETTY TAYLOR	79	PAM BOSCOVICH	3:51.18	B.EDELMAIER	48	CHRIS GILLIGAN	52
75 +		TOM FRISTOE		SMMM	4:44.53	JOE PESCHEL	51
R:WALNUT CREEK	96	STEVE STAHL		SUSAN ANDERSON	36	TOM MCTERNAN	52
MARY JANE REEVES	6:51.71	SARA SHAND		VIRGINAI WAIK	38	SARA SACHS	50
BOB STRINGHAM		WCM	4:00.12	MARC SANCHEZ	36	AAM	7:03.09
JEAN DURSTON		PENNY LEACH	32	JAY RYAN	38	MARILYN SMITH	50
BILL JOHNSTON		TERRY DIXON	30	1776	4:48.85	JEFF NEUROTH	49
WCM	6:51.71	STEVE STAHL	31	WARREN FISHER	40	JOHN CIBONSKI	47
MARY JANE REEVES	79	MICHELLE GHIGGERI	27	PATRICIA TIMMINS	42	GLENDA VANDERKAM	48
BOB STRINGHAM	76	CONN	4:04.26	RICH SASSAMAN	39	55 +	
JEAN DURSTON	81	SHELIA STOLARSKI	34	SINCLAIR BROWN	42	R:D.C.MASTERS	95
BILL JOHNSTON	77	DAVID LEWIS	39	AAM	4:52.30	JAYNE BRUNER	5:04.64
*****		JEFF STUART	35	MANDY MCCLELLAN	41	JOANN LEILICH	
RELAYS: MIXED 400 YD. MEDLEY		MARCIA CLEVELAND	32	MICHAEL HUNDMAN	40	RICHARD CHEADLE	
*****		WCM	4:10.88	DAVID WHEELER	39	BILL NEWMAN	
19 +		PAULA ROEMER	34	MARTA WHEELER	39	WCM	5:28.32
R:EMPIRE	96	KAREN DUGGAN	25	SCSM	4:53.64	DON BROWN	62
DONNA HEIN	3:54.66	TODD BAILEY	25	EILEEN WHALEN	36	ANN HIRSCH	65
BORIS TALAN		GREG REMMERT	33	CHRIS NELSON	38	STAN MORNER	60
AMITY HALL		SCM	4:12.03	LORRIANE SOMMERS	38	DONNA MONROE	58
STEVEN SAKADALES		LAURA VAL	44	MICHAEL FEELEY	42	MARY	5:47.60
EMP	3:54.66	MIKE MOORE	33	GCMT	4:54.04	KEN POLLOCK	63
DONNA HEIN	24	BOB DUGAN	33	PAM BECK	38	NANCY BROWN	59
BORIS TALAN	30	THERESA HESSLER	43	PAM ALLEN	40	FRANCES WESTON	55
AMITY HALL	24	WCM	4:16.75	DENNIS FISHER	36	JIM FORSYTHE	57
STEVEN SAKADALES	23	PAT DUGGAN	32	TOM HERR	49	WCM	6:01.00
GOST	4:03.00	KIM MORGAN	29	LAM	4:54.93	BOB NOOTBAR	61
MARGIE BOLIVER	25	MARGIE DEAN	34	MIRA DABROWSKI	38	JOAN ALEXANDER	62
TODD RADEL	23	GARY KENT	43	MARK GOLAN	35	MIDGE KRAETZER	57
JOHN OWSIANY	35	SCSM	4:17.79	WENDY JOHNSON	40	STAN PEDDER	60
BARTLEY PRATT	27	LYNN WITTSTOCK	33	STEVE GLASSMAN	40	LAM	6:25.97
AAM	4:03.58	ARIANA SELDMAN	27	LAM	4:55.38	DELLA SEHORN	68
JANICE RUSSELL	28	E.PIETERS-KWIERS	33	KATHY ENGLER	38	CLARINE ANDERSON	60
KRISTINA HARTUNG	24	PAUL ENDRES	32	CATHY SCHOLBACH	42	TOM TISCH	56
BRAD RUSSELL	24	STAN	4:19.99	RICH LACOMPAGNAE	41	NEAL SHEA	57
J. BAKER	23	LINDA LIPINSKI	36	TONY WALSH	37	AAM	7:18.41
WCM	4:06.33	TIM BRODERICK	45	45 +		BOB PATTERSON	63
KATHLEEN HARTNET	24	C.CHICESTER	32	R:LOS ALTOS	94	M.FARNSWORTH	55
JOHN SCHWENGER	30	STEVE ATKINS	32	DICK THOMAS	4:21.50	ROSSE HEMEON	65
ANN OBERG	24	SCM	4:27.22	SUSAN ROY		DOROTHY MCLEAN	73
JOE TACK	37	SUSIE BLAKE	34	CAROLYN BOAK		65 +	
GCMT	4:14.15	AL MOSER	31	DAVID GRAY		R:COLONIALS 1776	93
ANDREA PALMER	36	TOM ARNOLD	47	EMP	4:43.02	JEANNE MERRMAN	5:50.65
JOHN UNVERZAGT	30	KATHRIN LAMMERS	26	PHYLLIS SPRINGER	46	ROGER FRANKS	
CAREN MACLEAN	24	MARY	4:30.02	JOZEFA MUSZYNSKI	49	JOHN EMANUEL	
LARS PETERSEN	34	BRIAN CONKLIN	34	BOB KOLONKOWSKI	48	CAROLYN DERR	
WCM	4:25.25	SUSAN JONES	28	RICHARD STOTT	45	MARY	7:22.51
JENNIFER LARSON	23	STEVE JONES	36	SCSM	5:10.37	JOHN COLLINGS	67
KEVIN PONTI	27	DEBORAH ZIMIC	33	JOAN SPANGLER	50	GEORGE SZEGO	76
		LAM	4:32.53				

# TOP TEN - SHORT COURSE YARDS

JILL COLEMAN	65	R:WALNUT CREEK	91	7:41.32	JULIE MCKINLEY	38	LINDSAY BOWER	47
JANE ROSSELL	74	JOHN BOEGMAN			JOHN ROEMER	40	JOAN SPANGLER	52
75 +		CATHY COOLEY			MARY	8:51.70	KJERSTEN WALKER	47
R:SAN MATEO	95	SARA SHAND			KATHERINE BRANCH	38	BOB UPSHAW	46
JOE KAUFMAN		GREG REMMERT			TOM VENATOR	38	MICH	10:37.82
HELEN ROUMASSET		WCM		7:45.35	GLADNEY MCKAY	35	JAY RYNO	49
RAY TAFT		GREG REMMERT		33	JOHN PROTZMAN	38	DONALD KROEGER	52
AUDREY ETIENNE		MICHELLE GHIGGERI		27	LAM	8:53.69	FREDERICKA RAPP	51
SMMM	8:18.97	PENNY LEACH		32	JOHN COOPER	39	BEVERLY MYERS	60
ZADA TAFT	76	STEVE STAHL		31	CAHTY SCHULBACH	42	WCM	12:05.13
HELEN ROUMASSET	80	SCM		7:53.78	MIRA DABROWSKI	38	KEN BURR	52
RAY TAFT	76	MIKE MOORE		33	RICH LACAMPAGNE	41	J.DESBARATS	52
LLOYD WALKER	79	KATHRIN LAMMERS		26	SCSM	8:59.55	LISA CHIN	52
*****		LAURA VAL		44	RALPH ELDER	42	STEVE PURYEAR	47
RELAYS: MIXED 800 YD. FREE		PETER MULLEN		27	LORRAINE SOMMERS	38	AAM	14:07.19
*****		WCM		8:19.15	EILEEN WHALEN	36	RON GURICH	56
19 +		TOM DUGAN		37	MICHAEL FEELEY	42	GLENDIA VANDERKAM	48
R:DAVIS	92	PAM BOSCOVICH		33	GOLD	9:07.51	GENE ESSWIEN	54
ANNA SCOTT		JOHN SCHWENGER		30	B.EDELMAIER	48	MARILYN SMITH	50
C. CHICHESTER		KAREN DUGGAN		25	DEBBIE CAVANAUGH	37	55 +	
ANDY MCPHERSON		MARY		8:27.02	RANDY NUTT	36	R:D.C.MASTERS	95 10:02.87
DARREN DUTTO		SUSAN JONES		29	DAVID BOUDREAU	37	JAYNE BRUNER	
AAM	7:54.19	STEVE JONES		37	SANR	9:20.29	JOANN LEILICH	
BRAD RUSSELL	24	LYNN HASSELQUIST		37	RON EMHOFF	40	RICHARD CHEADLE	
KRISTIE HARTUNG	24	TOM DONLEY		27	JIM SILK	35	BILL NEWMAN	
JAMIE RUSSELL	28	MINN		8:28.33	JUDY BRACKEN	38	WCM	10:48.68
JASON BAKER	23	NICKI PHILLIPS		26	TINA TALBOT	35	DON BROWN	62
STAN	7:57.38	PAUL WINDRATH		42	SMMM	9:34.17	MIDGE KRAETZER	57
CHRIS ROAT	21	PEGGY KRATZ		35	SUSAN ANDERSON	36	BARBARA JORDAN	58
CHRIS CHICHESTER	32	JOE VRUDNY		31	NITSA SWAIN	38	STAN MORNER	61
TIM BRODERICK	45	SCM		8:41.62	CRAIG SIHNER	36	1776	11:46.73
CHRISTINA WONG	21	DAVE GRAY		49	MARK SANCHEZ	41	EDWARD MORGAN	56
WCM	8:01.67	ROISIN DAWES		27	1776	10:21.14	DAVID GLADFELTER	59
DAVE COOL	35	SUSAN GORDON		35	SINCLAIR BROWN	42	ELIZABETH KRUPKA	58
K.HARTNETT	24	HOWARD COYE		41	BILL LA BARR	55	PATRICIA TULLMAN	58
SUSAN STRONG	24	WCM		8:41.78	PATRICIA TIMMINS	42	WCM	11:51.10
PAT DUGGAN	32	TODD HALVORSEN		27	WARREN FISHER	40	BOB NOOTBAR	60
GOLD	8:25.13	KIM MORGAN		29	45 +		DONNA MONROE	62
AMY SCHWARZ	20	MARGIE DEAN		34	R:SAN DIEGO	95 9:01.15	SALLY MORNER	60
EDWARD AMES	26	PAT OWENS		33	BARBARA DUNBAR		STAN PEDDER	61
KATHLEEN SCHWARTZ	30	SCSM		8:42.36	BETSY JORDAN		AAM	12:19.49
JORG FELDUOSS	35	PAUL ENDRES		32	RONALD MARCICIC		M.FARNSWORTH	55
WCM	8:27.35	RACHEL HANSON		30	CHARLES PATRICK		DOTTI MCLEAN	73
TODD BAILEY	25	ARIANA SELDMAN		27	SCSM	9:37.98	BILL PATTERSON	63
ANN OBERG	24	E.PIETERS-KWIERS		33	JEREMY COHEN	47	ROSSE HEMEON	65
KELLY KESFJELD	30	SMMM		8:44.53	SUSAN GARFIN	52	65 +	
MATT MUNDELIUS	23	JENNIFER ALBRECHT		27	CAROL RIDDELL	48	R:LOS ALTOS	93 11:24.83
GCMT	8:28.52	JENNIFER MEYER		26	DAVE DUVENECK	47	JOHN PONICHIL	
KEVIN BURKE	23	BRENT WASHBURN		34	MARY	10:11.45	DELLA SEHORN	
C WOODRUFF	25	JOEL NORGAARD		33	NED DALY	51	BERNA BENNETT	
N MOSSMAN	29	AAM		8:53.17	SUSAN LEVICKAS	48	JOHN RICHARDS	
SETH REETZ	24	SHARON BEENE		33	MARGE BURLEY	50	O*H*J*O	14:27.79
SCM	8:32.87	JOHN HOPE		33	JACK ILIFF	51	JOHN DAILY	68
TOM ARNOLD	41	DEBBIE SIEGFRIED		25	SMMM	10:22.95	DAR FERGUSON	67
SUSIE BLAKE	34	DAVE WHEELER		39	DALE FINCH	45	PIETER CATH	65
THERESA HESSLER	43	35 +			LYNNE TAFT	53	M J AMSBARY	71
MARCO CAMPAGNA	23	R:OLYMPIC CLUB	95	7:58.83	MATT OLIVER	45	75 +	
GCMT	8:48.30	BOB PLACAK			GARY BRENNER	47	R:SAN MATEO	93 14:16.33
DENNIS HOGAN	28	MARGUERITE MEYER			GOLD	10:25.99	AUDREY ETIENNE	
A SCHMIDT	23	DANIELLE OGIER			CAV CAVANAUGH	60	HELEN ROUMASSET	
ANDREA PALMER	36	MIKE KECK			WILLIAM QUALE	54	JOE KAUFMANN	
ROBERT FINK	36	WCM		8:11.15	SUSAN EPPS	47	ED MORAN	
SCSM	8:50.76	KERRY OEBRIEN		38	B.EDELMAIER	48	SMMM	15:14.42
BRIGITTE BILLETER	24	PATTY LANDERS		39	LAM	10:27.27	LLOYD WALKER	79
STUART VANNIEKERK	19	MINDY HAMWAY		37	JIM MCCOY	53	HELEN ROUMASSET	80
LISA HOUSEMAN	23	JOE TACK		37	MARGUERITE HANSEN	45	ZADA TAFT	76
ERIC MCGILL	19	GNV		8:22.02	DOUG SHEAFFER	49	RAY TAFT	76
MICH	9:32.20	SUSAN WALKER		39	CAROLYN BOAK	50		
TOM SCHARDT	28	KIM FISHER		36	LAKE	10:31.10		
VICTORIA WEBBER	21	MONICA DECHERING		36	M.BLASKE-HULL	46		
C GARY	41	KAREN ROKICK		36	LINDA HUBBUCH	50		
JAY RYNO	49	WCM		8:36.29	WILLIAM TINGLEY	45		
25 +		JOHN RING		37	GLENN HUBBUCH	50		
		DEBBIE FLANSBURG		40	SCSM	10:33.76		

# WORLD RECORDS

## SHORT COURSE METERS (as of 5-1-96)

WRL SCM RECORDS AS OF 05-01-96

*****		M E N		*****		25-29		*****		W O M E N		*****	
22.48	12-04-93	USA	ROBERT PEEL	50	M.	FREE	MICHELLE CHOW	USA	04-16-94	26.65			
49.91	12-10-95	USA	BJORN ZIKARSKY	100	M.	FREE	MONIQUE RODAHL	NZL	06-04-89	58.93			
1:48.81	12-10-95	USA	JOHN KEPPELER	200	M.	FREE	REBECCA WILLIAMS	NZL	10-21-90	2:05.80			
3:59.78	10-17-93	GBR	GAVIN LILLEY	400	M.	FREE	LYNN MARSHALL	CAN	- -91	4:25.94			
8:29.19	- -92	SWE	T LENNARTSSON	800	M.	FREE	DIANE GRANER	USA	12-09-90	9:18.99			
16:23.21	04-11-92	USA	ROB MACKLE	1500	M.	FREE	KAREN BURTON	USA	12-14-91	17:30.18			
25.43	10-16-94	GBR	MARTIN HARRIS	50	M.	BACK	DIANE GRANER	USA	10-15-89	30.63			
54.82	11-12-94	GBR	MARTIN HARRIS	100	M.	BACK	DIANE GRANER	USA	10-15-89	1:04.66			
2:01.78	10-16-94	GBR	MARTIN HARRIS	200	M.	BACK	J.DE ROVER	NED	- -92	2:17.86			
28.81	- -90	AUS	GUY FARROW	50	M.	BRST	RIA WILLEMSE	NED	- -90	33.60			
1:04.49	- -91	NED	FRANK VIJVER	100	M.	BRST	RIA WILLEMSE	NED	- -90	1:13.60			
2:24.02	06-24-94	USA	CHRIS GRINDER	200	M.	BRST	LOUISE KEOGH	USA	04-23-94	2:40.90			
25.41	11-12-94	GBR	MARTIN HARRIS	50	M.	FLY	MONICA CUERVO	ESP	05-14-95	28.95			
56.11	10-15-95	USA	MARTIN HERRMANN	100	M.	FLY	MONICA CUERVO	ESP	05-14-95	1:04.96			
2:05.97	10-17-93	GBR	GAVIN LILLEY	200	M.	FLY	S. PALMER-WHITE	AUS	- -91	2:17.13			
56.90	11-12-94	GBR	MARTIN HARRIS	100	M.	I.M.	MONIQUE RODAHL	NZL	06-04-89	1:06.84			
2:05.93	12-10-95	USA	JOHN KEPPELER	200	M.	I.M.	DIANE GRANER	USA	10-15-89	2:24.07			
4:26.79	12-10-95	USA	JOHN KEPPELER	400	M.	I.M.	S. PALMER-WHITE	AUS	- -91	5:06.88			
*****		M E N		*****		30-34		*****		W O M E N		*****	
22.82	10-15-89	JPN	ROWDY GAINES	50	M.	FREE	ANNA PETTIS-SCOTT	USA	04-17-93	26.46			
50.51	10-15-89	JPN	ROWDY GAINES	100	M.	FREE	SANDY NEILSON	USA	05-16-88	57.35			
1:50.91	10-15-89	JPN	ROWDY GAINES	200	M.	FREE	K PIPES-NEILSEN	USA	12-10-95	2:06.10			
3:59.83	06-24-94	USA	BRUCE HAYES	400	M.	FREE	K PIPES-NEILSEN	USA	03-17-96	4:24.82			
8:19.44	06-24-94	USA	BRUCE HAYES	800	M.	FREE	LYNN MARSHALL	CAN	- -91	9:09.90			
16:21.25	06-24-94	USA	BRUCE HAYES	1500	M.	FREE	KAREN BURTON	USA	12-11-94	17:23.60			
26.58	04-16-94	USA	JAY YARID	50	M.	BACK	K PIPES-NEILSEN	USA	12-10-95	30.90			
56.83	11-27-93	USA	JAY YARID	100	M.	BACK	K PIPES-NEILSEN	USA	12-10-95	1:03.96			
2:04.63	11-27-93	USA	JAY YARID	200	M.	BACK	K PIPES-NEILSEN	USA	12-10-95	2:17.31			
29.34	06-24-94	USA	DEAN PUTTERMAN	50	M.	BRST	DAGMAR HILBIG	GER	- -92	33.74			
1:04.23	01-09-94	NED	FRANK VIJVER	100	M.	BRST	SHARRON DAVIES	GBR	11-14-92	1:15.39			
2:24.52	05-22-95	CAN	SERGE SCORE	200	M.	BRST	B. HUNSDORFER	GER	04-23-95	2:44.68			
25.06	04-09-89	USA	MICHAEL BOTTOM	50	M.	FLY	KARLYN PIPES	USA	06-11-95	29.40			
56.43	04-09-89	USA	MICHAEL BOTTOM	100	M.	FLY	K PIPES-NEILSEN	USA	12-10-95	1:03.83			
2:05.93	10-28-95	GBR	IAN BECK	200	M.	FLY	K PIPES-NEILSEN	USA	12-10-95	2:21.20			
59.88	10-22-95	USA	JEROME FRENTSOS	100	M.	I.M.	K PIPES-NEILSEN	USA	12-10-95	1:05.16			
2:09.01	10-22-95	USA	JEROME FRENTSOS	200	M.	I.M.	K PIPES-NEILSEN	USA	12-10-95	2:20.90			
4:33.17	10-22-95	USA	JEROME FRENTSOS	400	M.	I.M.	K PIPES-NEILSEN	USA	12-10-95	4:56.90			
*****		M E N		*****		35-39		*****		W O M E N		*****	
23.80	12-11-94	USA	BRUCE STAHL	50	M.	FREE	S. NEILSON-BELL	USA	11-19-95	26.13			
52.64	10-02-94	AUS	MARK MORGAN	100	M.	FREE	S. NEILSON-BELL	USA	12-03-94	57.71			
1:57.08	10-02-94	AUS	MARK MORGAN	200	M.	FREE	S. NEILSON-BELL	USA	06-25-95	2:07.58			
4:16.27	10-08-95	USA	WILLIAM SPECHT	400	M.	FREE	BETH KNIGHT	USA	11-06-94	4:33.17			
8:56.81	06-24-94	USA	MATT CLARK	800	M.	FREE	BETH KNIGHT	USA	12-11-94	9:24.81			
17:06.28	04-10-94	NOR	ARNE BORGSTROM	1500	M.	FREE	BETH KNIGHT	USA	12-11-94	17:43.10			
26.84	03-23-96	USA	CLAY BRITT	50	M.	BACK	LAURA VAL	USA	10-06-91	32.50			
58.25	03-23-96	USA	CLAY BRITT	100	M.	BACK	PAT GILMORE	CAN	05-06-88	1:10.47			
2:10.01	10-10-93	USA	WILLIAM SPECHT	200	M.	BACK	KATHERINE BRANCH	USA	03-26-94	2:31.78			
30.10	04-18-93	GER	GLEN CHRISTIANSEN	50	M.	BRST	LESLIE OSBORNE	USA	10-15-89	34.63			
1:07.85	12-10-95	USA	RON SCHAFFER	100	M.	BRST	LESLIE OSBORNE	USA	10-15-89	1:16.70			
2:28.12	12-10-95	USA	RON SCHAFFER	200	M.	BRST	LESLIE OSBORNE	USA	10-15-89	2:50.93			
25.89	10-10-93	USA	WILLIAM SPECHT	50	M.	FLY	LAURA VAL	USA	10-06-91	30.05			
57.02	10-10-93	USA	WILLIAM SPECHT	100	M.	FLY	MARIA VELIKONJA	USA	03-27-93	1:07.28			
2:06.48	10-09-94	USA	WILLIAM SPECHT	200	M.	FLY	LAURA VAL	USA	10-20-91	2:28.96			
1:00.79	03-21-92	USA	RICHARD HESS	100	M.	I.M.	S. NEILSON-BELL	USA	03-21-92	1:08.15			
2:14.75	04-24-94	USA	MATT CLARK	200	M.	I.M.	S. NEILSON-BELL	USA	11-07-95	2:29.95			
4:53.16	10-15-89	USA	CLAY EVANS	400	M.	I.M.	BETH KNIGHT	USA	12-11-94	5:23.30			
*****		M E N		*****		40-44		*****		W O M E N		*****	
24.42	04-09-95	USA	CHARLES NORELLI	50	M.	FREE	LAURA VAL	USA	10-15-95	27.74			
53.25	12-11-95	USA	RICK ABBOTT	100	M.	FREE	LAURA VAL	USA	11-14-93	1:00.68			
1:57.83	06-25-95	USA	HESS YNTEMA	200	M.	FREE	LAURA VAL	USA	12-10-95	2:14.14			
4:09.31	06-25-95	USA	HESS YNTEMA	400	M.	FREE	LAURA VAL	USA	12-10-95	4:42.94			
8:49.83	06-25-95	USA	HESS YNTEMA	800	M.	FREE	BARBARA DUNBAR	USA	02-10-91	10:04.16			
16:51.71	06-25-95	USA	HESS YNTEMA	1500	M.	FREE	BARBARA DUNBAR	USA	02-04-90	19:00.81			
28.77	03-18-95	GER	LACI PERENYI	50	M.	BACK	LAURA VAL	USA	11-14-93	31.55			
1:03.16	12-10-95	USA	CLAY EVANS	100	M.	BACK	LAURA VAL	USA	10-15-95	1:10.45			
2:16.72	05-22-95	CAN	JOHN MARCH	200	M.	BACK	LAURA VAL	USA	12-10-95	2:34.04			
30.80	10-10-93	USA	C MILTENBERGER	50	M.	BRST	JULIE LOWE	GBR	10-28-95	36.96			
1:07.98	10-10-93	USA	C MILTENBERGER	100	M.	BRST	ULRIKE URBANIAK	GER	11-18-95	1:19.88			
2:31.37	01-23-93	USA	GREGORY HARRISON	200	M.	BRST	GAYLE BENTY	USA	11-15-92	2:54.12			
26.35	12-11-95	USA	RICK ABBOTT	50	M.	FLY	LAURA VAL	USA	10-15-95	30.17			
58.87	06-25-95	USA	HESS YNTEMA	100	M.	FLY	LAURA VAL	USA	11-14-93	1:06.86			
2:09.09	06-25-95	USA	HESS YNTEMA	200	M.	FLY	LAURA VAL	USA	11-14-93	2:29.19			
1:02.30	10-15-89	USA	RIC COOLEY	100	M.	I.M.	LAURA VAL	USA	09-12-92	1:11.65			
2:15.28	06-25-95	USA	HESS YNTEMA	200	M.	I.M.	LAURA VAL	USA	11-15-92	2:33.89			
4:43.28	06-25-95	USA	HESS YNTEMA	400	M.	I.M.	LAURA VAL	USA	11-15-92	5:32.53			

# WORLD RECORDS

## SHORT COURSE METERS (as of 5-1-96)

*****		M E N		***** 45-49 *****		W O M E N		*****	
24.70	01-07-95	NED	JAN KOEN ANTHONI	50	M. FREE	CONNIE BOER-BUYS	NED	01-28-96	29.49
54.64	09-08-95	RSA	TERRY DOWNES	100	M. FREE	CONNIE BOER-BUYS	NED	11-19-95	1:04.66
2:01.93	12-10-95	USA	JIM MCCONICA	200	M. FREE	BARBARA DUNBAR	USA	11-06-94	2:22.24
4:29.82	- -91	BAR	ANGUS EDGHILL	400	M. FREE	BARBARA DUNBAR	USA	11-06-94	4:56.49
9:02.36	12-10-95	USA	JIM MCCONICA	800	M. FREE	BARBARA DUNBAR	USA	03-17-96	10:09.82
18:10.24	- -91	BAR	ANGUS EDGHILL	1500	M. FREE	BARBARA DUNBAR	USA	04-09-95	19:54.67
29.33	03-12-89	USA	ROBERT SMITH	50	M. BACK	NANCY FISHER	USA	02-18-96	33.11
1:04.94	12-10-95	USA	PETER O'KEEFFE	100	M. BACK	NANCY FISHER	USA	02-18-96	1:12.92
2:21.61	12-10-95	USA	PETER O'KEEFFE	200	M. BACK	NANCY FISHER	USA	02-18-96	2:37.35
31.83	10-15-95	USA	ROBERT STRAND	50	M. BRST	BEA POOL	NED	02-12-94	37.54
1:09.44	12-10-95	USA	ROBERT STRAND	100	M. BRST	CAROLYN BOAK	USA	11-15-92	1:23.49
2:34.41	12-10-95	USA	ROBERT STRAND	200	M. BRST	GINGER PIERSON	USA	05-22-95	3:03.73
27.08	04-17-93	USA	DAN THOMPSON	50	M. FLY	CONNIE BOER-BUYS	NED	11-19-95	32.24
1:02.12	12-10-95	USA	ANDREW MCPHERSON	100	M. FLY	BARBARA DUNBAR	USA	06-12-94	1:12.53
2:23.40	12-11-94	USA	FRED SCHLICHER	200	M. FLY	ARDETH MUELLER	USA	12-12-87	2:37.88
1:04.80	11-06-94	USA	ANDREW MCPHERSON	100	M. I.M.	ARDETH MUELLER	USA	10-03-87	1:14.41
2:23.69	12-11-94	USA	STEVE HECK	200	M. I.M.	ARDETH MUELLER	USA	10-03-87	2:42.88
5:12.41	05-23-93	RUS	NIKOLAEV JURIY	400	M. I.M.	BARBARA DUNBAR	USA	04-09-95	5:50.45
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*****		M E N		***** 50-54 *****		W O M E N		*****	
26.35	-88-94	USA	FARRELL/LODWIG	50	M. FREE	SUSANA BARKLEY	ESP	05-14-95	30.30
58.39	11-06-94	USA	KEEFE LODWIG	100	M. FREE	ARDETH MUELLER	USA	10-06-91	1:06.41
2:10.54	12-10-95	USA	TIM BIRNIE	200	M. FREE	ARDETH MUELLER	USA	12-07-91	2:27.95
4:38.22	10-16-94	GBR	SANDY GALLETTY	400	M. FREE	ARDETH MUELLER	USA	10-06-91	5:12.43
9:38.02	06-24-95	GBR	SANDY GALLETTY	800	M. FREE	SUZANNE DILLS	USA	05-22-95	11:12.04
18:32.56	10-16-94	GBR	SANDY GALLETTY	1500	M. FREE	CAROLYN BOAK	USA	10-15-95	21:22.26
30.14	06-26-94	USA	ROBERT SMITH	50	M. BACK	SATOKO TAKEUJI	JPN	05-21-95	35.55
1:06.23	12-10-95	USA	TIM BIRNIE	100	M. BACK	SATOKO TAKEUJI	JPN	05-16-93	1:19.17
2:28.54	12-10-95	USA	TIM BIRNIE	200	M. BACK	ARDETH MUELLER	USA	12-07-91	2:48.88
33.09	- -90	JPN	HIROSHI KOTEGAWA	50	M. BRST	ERNA LOSKAMP	NED	- -92	38.82
1:14.72	10-15-89	USA	DRURY GALLAGHER	100	M. BRST	ERNA LOSKAMP	NED	- -92	1:25.73
2:45.11	10-15-89	USA	DRURY GALLAGHER	200	M. BRST	DIANE FORD	GBR	10-17-93	3:06.63
28.65	05-16-93	JPN	KOJI IWAMOTO	50	M. FLY	DIANA TODD	USA	12-11-94	33.85
1:05.10	05-16-93	JPN	KOJI IWAMOTO	100	M. FLY	ARDETH MUELLER	USA	10-06-91	1:12.66
2:29.99	01-15-93	JPN	KOJI IWAMOTO	200	M. FLY	ARDETH MUELLER	USA	12-09-95	2:55.91
1:07.60	10-15-89	USA	DRURY GALLAGHER	100	M. I.M.	ARDETH MUELLER	USA	12-07-91	1:18.05
2:26.64	03-23-96	USA	JOHN CLAVERT	200	M. I.M.	SUSANA BARKLEY	ESP	05-14-95	2:56.07
5:19.87	10-16-94	GBR	SANDY GALLETTY	400	M. I.M.	ARDETH MUELLER	USA	12-07-91	5:56.24
*****									
*****		M E N		***** 55-59 *****		W O M E N		*****	
26.60	10-15-89	USA	DONALD HILL	50	M. FREE	JAYNE BRUNER	USA	10-15-89	31.83
1:00.08	10-15-89	USA	DONALD HILL	100	M. FREE	YOSHIKO OSAKI	JPN	11-03-94	1:11.18
2:17.95	02-07-93	JPN	KAZUYA NISHINO	200	M. FREE	YOSHIKO OSAKI	JPN	10-31-93	2:34.77
4:54.09	12-10-95	USA	DRURY GALLAGHER	400	M. FREE	LAVELLE STOINOFF	USA	03-12-89	5:34.32
10:12.80	12-10-95	USA	DRURY GALLAGHER	800	M. FREE	LAVELLE STOINOFF	USA	03-12-89	11:29.99
19:45.72	10-30-94	USA	DAVID HARRISON	1500	M. FREE	LAVELLE STOINOFF	USA	03-12-89	21:35.84
32.40	10-03-93	GBR	GRAHAM SYKES	50	M. BACK	MARGARET WILDING	GBR	05-14-94	37.10
1:10.88	10-23-94	NZL	BARRY YOUNG	100	M. BACK	BETSY JORDAN	USA	06-13-92	1:21.90
2:33.21	10-23-94	NZL	BARRY YOUNG	200	M. BACK	BETSY JORDAN	USA	10-17-92	3:00.66
33.17	05-09-93	JPN	HIROSHI KOTEGAWA	50	M. BRST	JAYNE BRUNER	USA	11-10-91	40.69
1:16.32	06-04-88	USA	MANUEL SANGUILY	100	M. BRST	FLORA CONNOLLY	GBR	- -90	1:28.13
2:49.96	12-10-95	USA	DRURY GALLAGHER	200	M. BRST	FLORA CONNOLLY	GBR	- -90	3:12.85
30.12	06-26-94	USA	BERT PETERSEN	50	M. FLY	YOSHIKO OSAKI	JPN	04-29-94	36.10
1:09.63	11-14-93	USA	ROBERT PROEBSTING	100	M. FLY	YOSHIKO OSAKI	JPN	04-29-94	1:22.22
2:42.05	11-14-93	USA	ROBERT PROEBSTING	200	M. FLY	YOSHIKO OSAKI	JPN	05-28-95	3:09.43
1:11.04	12-10-95	USA	DRURY GALLAGHER	100	M. I.M.	YOSHIKO OSAKI	JPN	05-28-95	1:21.25
2:34.42	05-22-95	CAN	JACK KELSO	200	M. I.M.	YOSHIKO OSAKI	JPN	05-16-93	2:57.53
5:30.62	12-10-95	USA	DRURY GALLAGHER	400	M. I.M.	FLORA CONNOLLY	GBR	- -90	6:36.03
*****									
*****		M E N		***** 60-64 *****		W O M E N		*****	
27.32	06-25-95	USA	BOB BAILIE	50	M. FREE	JAYNE BRUNER	USA	12-03-95	33.07
1:01.96	06-25-95	USA	BOB BAILIE	100	M. FREE	JAYNE BRUNER	USA	03-23-96	1:13.50
2:21.31	06-25-95	USA	GRAHAM JOHNSTON	200	M. FREE	LAVELLE STOINOFF	USA	03-14-93	2:39.93
4:56.69	06-25-95	USA	GRAHAM JOHNSTON	400	M. FREE	LAVELLE STOINOFF	USA	03-14-93	5:38.06
10:27.62	06-25-95	USA	GRAHAM JOHNSTON	800	M. FREE	LAVELLE STOINOFF	USA	03-14-93	11:30.55
19:48.44	06-25-95	USA	GRAHAM JOHNSTON	1500	M. FREE	LAVELLE STOINOFF	USA	11-20-94	22:54.51
34.05	10-09-94	USA	JACK BEATTIE	50	M. BACK	CLARA WALKER	USA	10-15-89	39.60
1:13.55	10-09-94	USA	JACK BEATTIE	100	M. BACK	CLARA WALKER	USA	10-15-89	1:29.13
2:40.75	10-09-94	USA	JACK BEATTIE	200	M. BACK	LAVELLE STOINOFF	USA	05-22-95	3:10.79
34.49	05-14-95	JPN	HIROSHI KOTEGAWA	50	M. BRST	JAYNE BRUNER	USA	03-23-96	41.74
1:19.82	05-28-95	JPN	AKIO SUGIYAMA	100	M. BRST	FLORA CONNOLLY	GBR	04-23-94	1:32.12
2:57.08	10-28-95	GBR	THOMAS WALKER	200	M. BRST	FLORA CONNOLLY	GBR	04-23-94	3:19.67
30.34	11-05-95	USA	BOB BAILIE	50	M. FLY	JAYNE BRUNER	USA	04-23-95	38.30
1:16.56	- -86	GBR	JACK HALE	100	M. FLY	FLORA CONNOLLY	GBR	05-06-94	1:29.99
3:00.10	04-23-95	GER	WERNER MULLER	200	M. FLY	FLORA CONNOLLY	GBR	04-23-94	3:17.00
1:15.25	02-04-96	JPN	MASAYASU TANEIKE	100	M. I.M.	JAYNE BRUNER	USA	03-23-96	1:26.42
2:46.69	08-11-91	USA	GRAHAM JOHNSTON	200	M. I.M.	FLORA CONNOLLY	GBR	11-12-94	3:11.59
6:02.73	07-18-93	USA	GRAHAM JOHNSTON	400	M. I.M.	JUDIE OLIVER	CAN	05-25-92	6:50.55

# WORLD RECORDS

## SHORT COURSE METERS (as of 5-1-96)

***** M E N *****		***** 65-69 *****		***** W O M E N *****	
29.63	11-04-90	USA	FRANK PIEMME	50 M. FREE	ODETTE LUSIEN
1:02.77	01-28-96	ESP	ROBERTO ALBERICHE	100 M. FREE	GAIL ROPER
2:22.13	01-28-96	ESP	ROBERTO ALBERICHE	200 M. FREE	GAIL ROPER
5:24.99	12-10-95	USA	WILLIAM PHILLIPS	400 M. FREE	CLARA WALKER
11:28.56	12-10-95	USA	WILLIAM PHILLIPS	800 M. FREE	CLARA WALKER
21:57.69	10-24-93	USA	ROGER FRANKS	1500 M. FREE	CLARA WALKER
35.61	10-10-93	USA	PAUL HUTINGER	50 M. BACK	DORIS STEADMAN
1:19.07	04-17-94	USA	ROGER FRANKS	100 M. BACK	DORIS STEADMAN
2:52.77	04-10-94	USA	ROGER FRANKS	200 M. BACK	DORIS STEADMAN
36.33	01-28-96	CAN	NICK TEMPLEMAN	50 M. BRST	EDITH BOHM
1:21.34	01-28-96	CAN	NICK TEMPLEMAN	100 M. BRST	GAIL ROPER
3:15.28	- -91	GER	KARL HEINZ KNOPS	200 M. BRST	GAIL ROPER
32.80	03-10-96	JPN	HITOSHI KATO	50 M. FLY	GAIL ROPER
1:18.52	04-08-95	USA	HARRY HUNSICKER	100 M. FLY	GAIL ROPER
3:07.91	11-14-93	USA	CHARLES MOSS	200 M. FLY	JUNE KRAUSER
1:16.79	01-28-96	ESP	ROBERTO ALBERICHE	100 M. I.M.	GAIL ROPER
2:49.10	01-28-96	ESP	ROBERTO ALBERICHE	200 M. I.M.	CLARA WALKER
6:07.00	01-28-96	ESP	ROBERTO ALBERICHE	400 M. I.M.	JUNE KRAUSER
*****	*****	*****	*****	*****	*****
***** M E N *****		***** 70-74 *****		***** W O M E N *****	
30.59	09-17-95	USA	FRANK PIEMME	50 M. FREE	CATHERINE KERR
1:09.00	12-10-95	USA	FRANK PIEMME	100 M. FREE	FLORENCE CARR
2:37.86	10-28-95	USA	FRANK PIEMME	200 M. FREE	MARGERY MEYER
5:35.49	09-17-95	USA	FRANK PIEMME	400 M. FREE	CLARA WALKER
11:38.41	10-15-95	USA	FRANK PIEMME	800 M. FREE	CLARA WALKER
22:44.45	11-18-95	USA	FRANK PIEMME	1500 M. FREE	CLARA WALKER
35.71	12-11-94	USA	PAUL HUTINGER	50 M. BACK	DORIS STEADMAN
1:21.74	12-11-94	USA	PAUL HUTINGER	100 M. BACK	DORIS STEADMAN
2:59.92	12-11-94	USA	PAUL HUTINGER	200 M. BACK	DORIS STEADMAN
38.99	06-25-95	GER	KARL HEINZ KNOPS	50 M. BRST	MAUD POVEY
1:29.48	11-06-94	USA	BARTON GREENBERG	100 M. BRST	SATOKO SUZUKI
3:16.44	04-23-95	GER	KARL HAUTER	200 M. BRST	MARGARET EVANS
34.77	12-10-95	USA	FRANK PIEMME	50 M. FLY	LOIS NOCHMAN
1:27.21	09-24-95	GER	KARL HEINZ KNOPS	100 M. FLY	LOIS NOCHMAN
3:18.59	04-23-95	GER	ROBERT PFERSDORFF	200 M. FLY	LOIS NOCHMAN
1:20.99	12-10-95	USA	FRANK PIEMME	100 M. I.M.	FLORENCE CARR
3:00.88	01-28-96	ESP	JESUS DOMINGUEZ	200 M. I.M.	FLORENCE CARR
6:38.98	12-10-95	USA	FRANK PIEMME	400 M. I.M.	MARGARET EVANS
*****	*****	*****	*****	*****	*****
***** M E N *****		***** 75-79 *****		***** W O M E N *****	
32.78	04-16-88	USA	KELLEY LEMMON	50 M. FREE	OLGA JOHNSON
1:13.47	10-15-95	USA	RAY TAFT	100 M. FREE	OLGA JOHNSON
2:48.67	11-06-94	USA	RAY TAFT	200 M. FREE	CANDIDA GANDOLPHO
6:02.95	10-15-95	USA	RAY TAFT	400 M. FREE	RITA SIMONTON
12:45.40	11-06-94	USA	RAY TAFT	800 M. FREE	RITA SIMONTON
24:46.19	11-14-93	USA	ALDO DA ROSA	1500 M. FREE	RITA SIMONTON
39.83	10-09-94	USA	RAY TAFT	50 M. BACK	WILLY VAN RYSEL
1:27.41	11-06-94	USA	RAY TAFT	100 M. BACK	WILLY VAN RYSEL
3:10.22	11-06-94	USA	RAY TAFT	200 M. BACK	WILLY VAN RYSEL
42.33	12-08-93	ITA	AUGUSTO ROMANO	50 M. BRST	INGEBORG FRITZE
1:36.61	05-15-94	ITA	AUGUSTO ROMANO	100 M. BRST	HILDEGARD MESSING
3:34.29	11-14-93	USA	ALDO DA ROSA	200 M. BRST	HILDEGARD MESSING
38.70	10-15-95	USA	RAY TAFT	50 M. FLY	GERTRUD ZINT
1:36.80	11-15-92	USA	PAUL KRUP	100 M. FLY	MAXINE MERLINO
3:49.00	11-15-92	USA	PAUL KRUP	200 M. FLY	MAXINE MERLINO
1:27.43	11-06-94	USA	RAY TAFT	100 M. I.M.	GERTRUD ZINT
3:20.35	11-06-94	USA	RAY TAFT	200 M. I.M.	CATHERINE KERR
7:08.53	11-06-94	USA	RAY TAFT	400 M. I.M.	MAXINE MERLINO
*****	*****	*****	*****	*****	*****
***** M E N *****		***** 80-84 *****		***** W O M E N *****	
35.16	12-12-93	USA	WOODROW BOWERSOCK	50 M. FREE	HATSUHO SUGAYA
1:18.80	05-14-95	JPN	HIKOJI UEKI	100 M. FREE	HATSUHO SUGAYA
3:01.42	05-14-95	JPN	HIKOJI UEKI	200 M. FREE	JEAN DURSTON
7:05.20	12-17-86	AUS	F LOUGH	400 M. FREE	JEAN DURSTON
14:48.88	05-22-95	CAN	NORBERT ARTUS	800 M. FREE	JEAN DURSTON
28:43.31	11-20-94	USA	DEXTER WOODFORD	1500 M. FREE	JEAN DURSTON
43.71	03-05-95	GER	OTTO CLAUS	50 M. BACK	DOROTHY WESTON
1:37.17	11-06-94	USA	EDWARD SHEA	100 M. BACK	UME WADA
3:33.91	11-06-94	USA	EDWARD SHEA	200 M. BACK	MAXINE MERLINO
45.52	- -91	GER	KARL WITTENBERG	50 M. BRST	MAXINE MERLINO
1:46.48	05-28-95	JPN	HIROMU YOSHIMOTO	100 M. BRST	DOROTHY WESTON
4:07.75	01-21-96	AUT	JOHANN MORSCHER	200 M. BRST	DOROTHY WESTON
49.08	08-11-91	USA	JESSE COON	50 M. FLY	MARIA LENK
1:52.51	06-12-94	USA	WALTER PFEIFFER	100 M. FLY	JEAN DURSTON
4:25.99	12-11-94	USA	WALTER PFEIFFER	200 M. FLY	MAXINE MERLINO
1:44.08	06-12-94	USA	WALTER PFEIFFER	100 M. I.M.	MARIA LENK
3:50.55	11-19-94	USA	WOODROW BOWERSOCK	200 M. I.M.	MARIA LENK
8:34.45	12-11-94	USA	WALTER PFEIFFER	400 M. I.M.	MAXINE MERLINO



# WORLD RECORDS

## SHORT COURSE METERS (as of 5-1-96)

*****		M E N		*****		85-89		*****		W O M E N		*****	
41.92	09-11-93	AUS	FRANK GRIFFITHS	50	M.	FREE	JULIA DOLCE	USA	10-08-95	51.99			
1:41.46	10-15-89	USA	GUS LANGNER	100	M.	FREE	JULIA DOLCE	USA	10-08-95	2:05.74			
3:48.20	10-15-89	USA	GUS LANGNER	200	M.	FREE	JULIA DOLCE	USA	10-08-95	4:52.37			
7:54.24	12-10-88	USA	GUS LANGNER	400	M.	FREE	JULIA DOLCE	USA	10-08-95	10:19.41			
16:53.90	12-10-88	USA	GUS LANGNER	800	M.	FREE	JULIA DOLCE	USA	10-08-95	22:22.74			
32:20.20	12-11-88	USA	GUS LANGNER	1500	M.	FREE	JULIA DOLCE	USA	10-08-95	42:10.95			
55.03	05-28-95	BRA	GASTAO FIGUEIREDO	50	M.	BACK	MARIAN MCKECHNIE	USA	10-15-89	1:13.57			
2:09.91	11-13-93	USA	DAN DOTTERWEICH	100	M.	BACK	JEWEL COOKE	USA	02-18-96	2:45.89			
5:15.31	10-17-93	GBR	CHESTER KOZLOWSKI	200	M.	BACK	MARIAN MCKECHNIE	USA	10-15-89	6:00.16			
51.17	11-25-95	GER	KARL WHITTENBERG	50	M.	BRST	MADELEINE MILLER	USA	09-17-95	1:20.56			
2:09.33	11-13-93	USA	DAN DOTTERWEICH	100	M.	BRST	M GOTTSCHALK	GER	11-19-95	2:59.10			
4:58.98	10-24-93	AUS	FRANK GRIFFITHS	200	M.	BRST	MADELEINE MILLER	USA	12-10-95	7:11.32			
1:01.38	06-25-95	USA	JESSE COON	50	M.	FLY	JEWEL COOKE	USA	02-04-96	1:24.22			
2:38.62	06-25-95	USA	JESSE COON	100	M.	FLY	JEWEL COOKE	USA	02-18-96	3:20.81			
5:56.91	06-25-95	USA	JESSE COON	200	M.	FLY	JEWEL COOKE	USA	02-04-96	7:12.95			
2:06.37	10-24-93	AUS	FRANK GRIFFITHS	100	M.	I.M.	JEWEL COOKE	USA	01-21-96	2:40.42			
5:02.31	12-07-91	USA	HERB EISENSCHMIDT	200	M.	I.M.	ANNA BAUSCHER	USA	10-15-89	9:49.36			
10:47.13	12-07-91	USA	HERB EISENSCHMIDT	400	M.	I.M.	JEWEL COOKE	USA	02-18-96	13:48.08			
*****		M E N		*****		90-94		*****		W O M E N		*****	
50.09	12-11-93	USA	GUS LANGNER	50	M.	FREE	ANNA BAUSCHER	USA	10-24-93	1:36.77			
1:58.42	12-11-93	USA	GUS LANGNER	100	M.	FREE	ANNA BAUSCHER	USA	10-24-93	3:24.13			
4:27.70	12-11-93	USA	GUS LANGNER	200	M.	FREE	ANNA BAUSCHER	USA	10-24-93	7:01.11			
8:50.65	12-11-93	USA	GUS LANGNER	400	M.	FREE	ANNA BAUSCHER	USA	10-24-93	14:16.35			
				800	M.	FREE	ANNA BAUSCHER	USA	10-24-93	28:45.45			
51:43.20	12-09-90	USA	PAUL SPANGLER	1500	M.	FREE							
1:15.84	12-17-93	USA	GUS LANGNER	50	M.	BACK	VERA FERNANCE	AUS	- -89	1:55.07			
2:40.88	10-08-95	USA	JOE KAUFMAN	100	M.	BACK	VERA FERNANCE	AUS	- -90	4:19.46			
6:35.42	12-03-94	USA	GUS LANGNER	200	M.	BACK							
1:08.33	10-01-95	DEN	SVEND KNUDSEN	50	M.	BRST	DORRIS VENNING	NZL	- -91	1:49.01			
3:01.95	12-17-93	USA	GUS LANGNER	100	M.	BRST	DORRIS VENNING	NZL	- -91	4:05.59			
6:41.56	12-03-94	USA	GUS LANGNER	200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
3:00.53	12-03-94	USA	GUS LANGNER	100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							
*****		M E N		*****		95-99		*****		W O M E N		*****	
				50	M.	FREE							
				100	M.	FREE							
				200	M.	FREE							
				400	M.	FREE							
				800	M.	FREE							
				1500	M.	FREE							
				50	M.	BACK							
				100	M.	BACK							
				200	M.	BACK							
				50	M.	BRST							
				100	M.	BRST							
				200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							
*****		M E N		*****		100-104		*****		W O M E N		*****	
2:06.66	09-30-95	USA	TOM LANE	50	M.	FREE							
4:32.29	09-30-95	USA	TOM LANE	100	M.	FREE							
				200	M.	FREE							
				400	M.	FREE							
				800	M.	FREE							
				1500	M.	FREE							
2:02.52	09-30-95	USA	TOM LANE	50	M.	BACK							
				100	M.	BACK							
				200	M.	BACK							
				50	M.	BRST							
				100	M.	BRST							
				200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							

# WORLD RECORDS

## SHORT COURSE METERS (as of 5-1-96)

WRL SCH RECORDS AS OF 05-01-96

***** RELAY 200 M. FREE - WOMEN *****		***** RELAY 200 M. MEDLEY - WOMEN *****			
100-119 ROCKY MTN-USA	03-07-93	1:54.54	100-119 SHEFFIELD-GBR	10-17-93	2:09.61
ELLEN ATKINSON	SHELLE BOTTA		HELEN PRATT	PIPPA JONES	
KATHY GARNIER	DANA DUTCHER		LINZI GAYWOOD	LYNNE LEE	
120-159 SWISS COTT-GBR	10-18-92	1:55.08	120-159 SAN DIEGO-USA	12-11-94	2:05.27
MICHELE PEARSON	TAMSI JAGGS		VICKY DAVIDSON	MATHILDE BOUWMA	
CAROLINE HORDEN	ALYSON JONES		KARLYN PIPES	BETH KNIGHT	
160-199 DC MASTERS-USA	10-15-89	2:01.10	160-199 SG NEUKOLLN-GER	11-03-90	2:18.65
SUSAN SKIFF	BARBARA ZAREMSKI		S. FELGENTRAGER	MONIKA SENFTLEBEN	
JAYNE BRUNER	JACKI HIRSTY		BRIGITTE MERTEN	RUTH STUBERT	
200-239 TAMALPAIS-USA	10-15-89	2:11.64	200-239 SG NEUKOLLN-GER	11-10-91	2:29.96
ANGELA KONIG	LAVERNE ADAMS		SIEGRID KURTZ	MONIKA SENFTLEBEN	
SHERRY RADEMACHER	NANCY RIDOUT		BRIGITTE MERTEN	MARGA SCHULZ	
240-279 NEW ENGLAND-USA	12-11-94	2:25.52	240-279 W COUNTY Y-USA	12-05-92	2:52.00
CLARA WALKER	JENNIFER LUKER		REGAN KENNER	CAROL TAYLOR	
BILLIE A BURRILL	DIANE REED		ARDETH MUELLER	JEAN SCHNORBUS	
280-319 CRONULLA-AUS	10-21-95	2:50.32	280-319 KOEIKAI-JPN	09-24-95	3:19.43
NANCYE MITCHELL	BETTY STERN		KUMIKO KUBO	TAZUKO YASUOKA	
BARBARA ROSE	HELEN EVANS		MASAKO HOTEHAMA	TOMIKO OMORI	
320-359 ST PETE - USA	10-31-93	4:09.37	320-359 ST PETE-USA	10-31-93	4:55.62
MARIAN MCKECHNIE	WIN KENNEDY		FRANCES CICHANSKI	WIN KENNEDY	
FRANCES CICHANSKI	KAY SCHIMPF		KAY SCHIMPF	MARIAN MCKECHNIE	

***** RELAY 200 M. FREE - M E N *****		***** RELAY 200 M. MEDLEY - M E N *****			
100-119 B.COPTHALL-GBR	10-18-92	1:35.91	100-119 B.COPTHALL-GBR	10-18-92	1:48.16
MARK MATTHEWS	ANDY COTTER		ANDY COTTER	TIM HOBBSLEY	
JIM HOBBSLEY	KEVIN FROST		MARK MATTHEWS	KEVIN FROST	
120-159 BAYLOR/STAR-USA	03-21-92	1:37.89	120-159 BAYLOR/STAR-USA	04-16-94	1:45.01
RICHARD HESS	DOUG MOYSE		JAY YARID	GREG RHODENBAUGH	
M.RHODENBAUGH	BOBBY PATTEN		BOBBY PATTEN	MOOK RHODENBAUGH	
160-199 JAN WELLEM-GER	03-17-96	1:41.70	160-199 COLONIALS-USA	04-09-95	1:54.75
ERNST DENZER	KERSTEN MEIER		J NATHAN LEECH	GREGORY OXLEY	
LACI PERENYI	ANDREAS SCHMIDT		CHARLES NORELLI	ROBERT KROTEE	
200-239 SO CAL AQUATICS	12-11-94	1:47.41	200-239 LOS ALTOS-USA	10-15-89	2:02.44
FRED HUBBELL	FRANK PIEMME		DICK THOMAS	THOMAS BOAK	
FRANS NELSON	PETER O'KEEFFE		ROBERT PROEBSTING	JOHN RICHARDS	
240-279 BUCKEYE-USA	11-06-94	1:58.22	240-279 BUCKEYE-USA	11-06-94	2:16.44
SID HALL	YOSHI OYAKAWA		YOSHI OYAKAWA	THOMAS OLANDER	
THOMAS OLANDER	JOHN FLORANCE		JOHN MEDICI	JOHN FLORANCE	
280-319 SHUEI-JPN	11-03-93	2:11.55	280-319 SHUEI-JPN	11-03-92	2:33.74
KEIJIRO NAKAMURA	EISAKU HAYASHI		GORO TANIGUCHI	HIROMU YOSHIMOTO	
ISAMU TAMURA	SHUICHI MURAYAMA		KEIICHI TOKUNAGA	SHUICHI MURAYAMA	
320-359 LONG BEACH-USA	12-11-94	2:51.43	320-359 TOKYO-JPN	11-03-95	3:38.78
WALTER PFIEFFER	JOHN GLENN		SADAHIKO SHIMADA	Y.MIYAMOTO	
WOODROW BOWERSOCK	BOB CHRISTIANS		KISABURO WADA	YAJIRO FUKUDA	

***** RELAY 200 M. FREE - MIXED *****		***** RELAY 200 M. MEDLEY - MIXED *****			
100-119 JARFALLA-SWE	03-25-90	1:46.19	100-119 LAKESIDE-USA	10-15-89	1:58.28
			WILLIAM TINGLEY	GINA GATTI	
			MICHAEL HIGGS	MELINDA SCHMITT	
120-159 SAN DIEGO	12-11-94	1:46.27	120-159 LAKESIDE-USA	10-15-89	1:58.28
VICKY DAVIDSON	KARLYN PIPES		WILLIAM TINGLEY	GINA GATTI	
GARY FORTUNE	ALAN VOISARD		MICHAEL HIGGS	MELINDA SCHMITT	
160-199 TXAM-USA	11-05-95	1:48.63	160-199 W HOLLYWOOD-USA	06-24-94	2:01.59
KARLENE WISE	S NEILSON-BELL		ANDREA DEVUONO	KAREN MELICK	
LARRY WOOD	BRUCE GREENWOOD		MICHAEL MEALIFFE	THOMAS REUDY	
200-239 LINCOLN-USA	10-15-89	1:57.25	200-239 SG NENKOLLN-GER	11-08-92	2:12.50
PAUL HUTINGER	IRENE DAVID		S. FELGENTRAGER	MONIKA SENFTLEBEN	
COLLEEN MALMEN	RAY PADOVAN		MANFRED BROCK	B. SCHLURIKE	
240-279 LOS ALTOS-USA	11-15-92	2:12.98	240-279 LOS ALTOS-USA	10-06-91	2:32.46
JOHN RICHARDS	JAY CRADDOCK		DELLA SEHORN	JOHN RICHARDS	
DELLA SEHORN	LAURA VAL		LAURA VAL	JAY CRADDOCK	
280-319 OJAI S BAR-USA	10-15-95	2:35.36	280-319 OJAI S BAR-USA	10-28-95	2:55.31
FRANK PIEMME	GRACE ALTUS		GAY COLLINS	FRANK PIEMME	
RUTH BAAR	JURGEN SCHMIDT		JURGEN SCHMIDT	RUTH BAAR	
320-359 LONG BEACH-USA	12-11-94	3:37.67	320-359 RIO MASTERS-BRA	11-18-95	3:51.75
WALTER PFIEFFER	MADELEINE MILLER		ALBERTO MIBIELLI	LUZIA CARACCILO	
MAXINE MERLINO	WOODROW BOWERSOCK		MARIA LENK	GASTAO FIGUEIREDO	

# WORLD RECORDS

## LONG COURSE METERS (as of 5-1-96)

WRL LCM RECORDS AS OF 05-01-96									
***** M E N *****					***** W O M E N *****				
***** 25-29 *****					***** 25-29 *****				
22.59	08-28-83	USA	KEVIN DEFORREST	50 M. FREE	SARA SHAND	USA	08-18-91	26.68	
51.25	08-14-81	USA	JIM MONTGOMERY	100 M. FREE	SARA SHAND	USA	08-18-91	58.23	
1:52.17	08-23-92	USA	JOHN KEPPELER	200 M. FREE	SARA SHAND	USA	- -89	2:07.11	
4:05.99	07-31-94	USA	CHIP HOBSON	400 M. FREE	SARA SHAND	USA	- -89	4:27.53	
8:29.22	07-09-94	FRA	NICOLAS GRANGER	800 M. FREE	SARA SHAND	USA	07-30-89	9:18.43	
16:28.69	08-08-87	USA	CAMERON REID	1500 M. FREE	AMY POPE	USA	08-28-88	17:38.78	
26.68	06-05-94	GBR	MARTIN HARRIS	50 M. BACK	DIANE GRANER	USA	08-20-89	30.80	
57.93	06-05-94	GBR	MARTIN HARRIS	100 M. BACK	MONIQUE RODAHL	NZL	- -89	1:06.46	
2:05.86	06-05-94	GBR	MARTIN HARRIS	200 M. BACK	DIANE GRANER	USA	08-20-89	2:19.97	
29.60	05-28-95	GBR	JAMES PARRACK	50 M. BRST	S. SEMINATORE	ITA	- -89	32.01	
1:04.60	07-30-89	USA	DAVID LUNDBERG	100 M. BRST	S. SEMINATORE	ITA	- -90	1:16.05	
2:26.73	- -87	GER	T. LIGL	200 M. BRST	SHARRON DAVIES	GBR	- -90	2:42.02	
25.16	-83-84	USA	DEFORREST/BOTTOM	50 M. FLY	ROSEMARIE SEAMAN	USA	08-24-87	28.79	
56.34	04-28-84	USA	MICHAEL BOTTOM	100 M. FLY	ROSEMARIE SEAMAN	USA	- -87	1:03.91	
2:05.25	- -84	TCH	M. LUKASEK	200 M. FLY	S PALMER-WHITE	AUS	- -92	2:18.69	
				100 M. I.M.					
2:07.00	07-09-94	FRA	NICOLAS GRANGER	200 M. I.M.	SHARRON DAVIES	GBR	- -90	2:22.00	
4:31.47	07-09-94	FRA	NICOLAS GRANGER	400 M. I.M.	SHARRON DAVIES	GBR	- -90	5:05.29	
***** M E N *****					***** W O M E N *****				
***** 30-34 *****					***** 30-34 *****				
23.21	11-24-90	USA	ROWDY GAINES	50 M. FREE	S. NEILSON-BELL	USA	08-28-88	26.37	
51.50	07-14-91	USA	ROWDY GAINES	100 M. FREE	S. NEILSON-BELL	USA	10-15-88	58.09	
1:54.04	07-13-90	USA	ROWDY GAINES	200 M. FREE	BETH KNIGHT	USA	08-20-89	2:07.84	
4:07.04	11-14-93	USA	ROWDY GAINES	400 M. FREE	KARLYN PIPES	USA	08-13-95	4:30.19	
8:40.19	11-14-93	USA	ROWDY GAINES	800 M. FREE	LYNN MARSHALL	CAN	07-05-92	9:16.82	
16:36.06	08-22-93	USA	BOBBY PATTEN	1500 M. FREE	KAREN BURTON	USA	08-23-92	17:40.50	
27.26	07-09-94	USA	SEAN MURPHY	50 M. BACK	KARLYN PIPES	USA	07-09-94	31.47	
58.66	07-09-94	USA	SEAN MURPHY	100 M. BACK	K PIPES-NEILSEN	USA	02-11-96	1:05.76	
2:05.62	07-09-94	USA	SEAN MURPHY	200 M. BACK	KARLYN PIPES	USA	08-27-95	2:21.40	
29.42	07-05-92	USA	DAVID GUTHRIE	50 M. BRST	M. MOHMANN	GBR	- -88	34.56	
1:05.65	08-18-91	USA	DAVID LUNDBERG	100 M. BRST	M. MOHMANN	GBR	- -88	1:14.52	
2:24.06	08-18-91	USA	DAVID LUNDBERG	200 M. BRST	HIDEKA KOSHIMIZU	JPN	07-16-95	2:46.81	
25.31	10-15-88	USA	MIKE BOTTOM	50 M. FLY	BETH HARRELL	USA	07-05-92	29.22	
56.64	10-15-88	USA	MIKE BOTTOM	100 M. FLY	K PIPES-NEILSEN	USA	02-11-96	1:05.16	
2:03.85	08-04-95	USA	BOBBY PATTEN	200 M. FLY	KARLYN PIPES	USA	08-27-95	2:21.43	
				100 M. I.M.					
2:09.69	08-18-91	USA	DAVID LUNDBURG	200 M. I.M.	KARLYN PIPES	USA	08-13-95	2:25.89	
4:40.22	07-09-94	USA	SEAN MURPHY	400 M. I.M.	HIDEKA KOSHIMIZU	JPN	10-22-95	5:05.05	
***** M E N *****					***** W O M E N *****				
***** 35-39 *****					***** 35-39 *****				
23.20	07-17-94	JPN	ROWDY GAINES	50 M. FREE	S NEILSON-BELL	USA	- -93	26.89	
51.49	07-16-95	USA	ROWDY GAINES	100 M. FREE	S NEILSON-BELL	USA	- -94	58.94	
1:55.36	07-17-94	JPN	ROWDY GAINES	200 M. FREE	BETH KNIGHT	USA	08-14-94	2:08.93	
4:07.64	07-16-95	USA	ROWDY GAINES	400 M. FREE	BETH KNIGHT	USA	08-28-94	4:31.35	
8:38.73	11-12-95	USA	ROWDY GAINES	800 M. FREE	BETH KNIGHT	USA	09-08-94	9:20.62	
16:37.34	11-13-94	USA	ROWDY GAINES	1500 M. FREE	BETH KNIGHT	USA	08-14-94	17:59.12	
28.04	08-26-78	USA	THOMPSON MANN	50 M. BACK	LAURA VAL	USA	07-22-90	32.39	
1:00.95	08-22-93	USA	WILLIAM SPECHT	100 M. BACK	ZENA HERRMANN	USA	08-28-94	1:08.49	
2:13.83	07-29-90	USA	TOM WOLF	200 M. BACK	ZENA HERRMANN	USA	08-28-94	2:26.66	
30.13	08-27-95	USA	DAVID GUTHRIE	50 M. BRST	L WETZEL-OSBORNE	USA	08-20-89	34.41	
1:05.67	08-27-95	USA	DAVID GUTHRIE	100 M. BRST	L WETZEL-OSBORNE	USA	08-20-90	1:17.44	
2:24.37	08-04-95	USA	DAVID GUTHRIE	200 M. BRST	DAGMAR HILBIG	GER	09-06-95	2:50.92	
25.93	08-01-93	USA	MICHAEL BOTTOM	50 M. FLY	SUSAN HALFACRE	USA	08-28-88	29.27	
57.39	08-28-94	USA	WILLIAM SPECHT	100 M. FLY	SUSAN HALFACRE	USA	08-28-88	1:05.39	
2:08.51	08-28-94	USA	WILLIAM SPECHT	200 M. FLY	LAURA VAL	USA	07-30-89	2:26.38	
				100 M. I.M.					
2:15.21	07-09-94	BRA	DJAN MADRUGA	200 M. I.M.	JUDITH LALLIER	USA	08-28-94	2:28.93	
4:50.18	07-09-94	UKR	SERGEY FESENKO	400 M. I.M.	KAREN FARNSWORTH	USA	07-05-92	5:34.47	
***** M E N *****					***** W O M E N *****				
***** 40-44 *****					***** 40-44 *****				
24.93	07-05-92	USA	TOM WHATLEY	50 M. FREE	LAURA VAL	USA	08-23-92	28.05	
55.26	07-24-94	USA	TRIP HEDRICK	100 M. FREE	LAURA VAL	USA	05-29-94	1:01.41	
2:01.16	07-30-95	USA	HESS YNTEMA	200 M. FREE	LAURA VAL	USA	07-09-94	2:14.97	
4:22.80	07-30-95	USA	HESS YNTEMA	400 M. FREE	LAURA VAL	USA	07-31-94	4:48.82	
8:57.66	07-30-95	USA	HESS YNTEMA	800 M. FREE	LAURA VAL	USA	07-25-93	9:57.69	
16:58.52	07-30-95	USA	HESS YNTEMA	1500 M. FREE	BARBARA DUNBAR	USA	08-30-92	19:00.40	
29.38	08-12-90	USA	PETER O'KEEFFE	50 M. BACK	LAURA VAL	USA	05-29-94	32.25	
1:03.39	08-11-90	USA	PETER O'KEEFFE	100 M. BACK	LAURA VAL	USA	08-23-92	1:11.03	
2:18.17	08-12-90	USA	PETER O'KEEFFE	200 M. BACK	B BAZUREAU	FRA	03-27-94	2:36.89	
30.82	07-05-92	USA	PEDER DAHLBERG	50 M. BRST	A WRIGHT-BELKNAP	USA	08-23-92	37.02	
1:09.95	07-05-92	USA	PEDER DAHLBERG	100 M. BRST	DEBRA WALKER	USA	08-18-91	1:21.73	
2:32.17	08-23-92	USA	RICK COLELLA	200 M. BRST	KAREN GIBSON	AUS	03-13-94	2:56.21	
26.62	08-27-95	USA	RICHARD HESS	50 M. FLY	LAURA VAL	USA	07-09-94	29.89	
59.02	07-30-95	USA	HESS YNTEMA	100 M. FLY	LAURA VAL	USA	08-23-92	1:06.27	
2:13.57	07-30-95	USA	HESS YNTEMA	200 M. FLY	LAURA VAL	USA	07-30-95	2:32.59	
				100 M. I.M.					
2:17.64	07-30-95	USA	HESS YNTEMA	200 M. I.M.	LAURA VAL	USA	07-25-93	2:38.20	
4:53.03	07-30-95	USA	HESS YNTEMA	400 M. I.M.	LAURA VAL	USA	07-25-93	5:39.70	

# WORLD RECORDS

## LONG COURSE METERS (as of 5-1-96)

***** M E N *****				45-49	***** W O M E N *****			
25.18	07-09-94	RSA	TERRY DOWNES	50 M. FREE	ARDETH MUELLER	USA	08-08-87	29.08
55.66	07-09-94	RSA	TERRY DOWNES	100 M. FREE	ARDETH MUELLER	USA	08-24-87	1:05.44
2:04.97	07-09-94	RSA	TERRY DOWNES	200 M. FREE	ARDETH MUELLER	USA	07-11-87	2:24.24
4:27.70	07-05-92	USA	BOB MOMSEN	400 M. FREE	BARBARA DUNBAR	USA	08-14-94	4:59.86
9:24.19	07-09-94	USA	DAVID GRAY	800 M. FREE	BARBARA DUNBAR	USA	08-27-95	10:20.34
18:27.49	08-08-93	USA	R TOD SPIEKER	1500 M. FREE	BARBARA DUNBAR	USA	09-01-94	19:28.34
30.42	07-11-93	USA	HUGH WILDER	50 M. BACK	SATOKO TAKEUJI	JPN	- -88	34.51
1:05.64	08-27-95	USA	PETER O'KEEFE	100 M. BACK	CECILIA MCCLOSKEY	USA	08-27-95	1:14.83
2:23.84	08-27-95	USA	PETER O'KEEFE	200 M. BACK	CECILIA MCCLOSKEY	USA	08-27-95	2:42.60
32.48	07-09-94	USA	ROBERT STRAND	50 M. BRST	SUSAN ROY	USA	05-29-94	36.97
1:12.96	07-09-94	USA	ROBERT STRAND	100 M. BRST	SUSAN ROY	USA	05-29-94	1:22.27
2:41.02	07-09-94	GER	GERHARD PREINER	200 M. BRST	SHIRLEY TURNER	RSA	03-23-95	3:06.52
27.12	08-23-92	USA	DAN THOMPSON	50 M. FLY	ARDETH MUELLER	USA	08-24-87	30.74
1:02.84	08-23-92	USA	ANDREW MCPHERSON	100 M. FLY	ARDETH MUELLER	USA	07-11-87	1:12.67
2:25.23	07-09-94	AUS	JOHN COVACEVICH	200 M. FLY	BARBARA DUNBAR	USA	08-14-94	2:38.78
				100 M. I.M.				
2:24.39	07-05-92	USA	BOB MOMSEN	200 M. I.M.	CECILIA MCCLOSKEY	USA	08-27-95	2:46.22
5:12.03	07-05-92	USA	BOB MOMSEN	400 M. I.M.	ARDETH MUELLER	USA	07-26-87	5:54.98
***** M E N *****				50-54	***** W O M E N *****			
26.16	08-28-83	USA	DON HILL	50 M. FREE	ARDETH MUELLER	USA	08-22-93	29.33
58.62	08-22-93	USA	TIMOTHY GARTON	100 M. FREE	ARDETH MUELLER	USA	07-05-92	1:07.42
2:09.74	08-22-93	USA	TIMOTHY GARTON	200 M. FREE	ARDETH MUELLER	USA	08-22-93	2:29.22
4:43.72	11-15-92	USA	TIMOTHY GARTON	400 M. FREE	ARDETH MUELLER	USA	08-18-91	5:16.62
9:49.89	07-09-94	GBR	SANDY GALLETTY	800 M. FREE	ARDETH MUELLER	USA	08-18-91	10:58.47
18:49.43	06-06-93	GBR	SANDY GALLETTY	1500 M. FREE	ARDETH MUELLER	USA	07-28-91	21:02.46
30.93	10-15-88	USA	JOHN SMITH	50 M. BACK	SATOKO TAKEUJI	JPN	09-15-92	34.87
1:09.61	08-27-95	USA	TIM BIRNIE	100 M. BACK	SATOKO TAKEUJI	JPN	07-16-95	1:18.86
2:32.81	08-22-93	USA	RICHARD BURNS	200 M. BACK	SATOKO TAKEUJI	JPN	09-15-92	2:51.11
33.38	- -86	JPN	HIROSHI KOTEGAWA	50 M. BRST	MONIKA SENFTLEBEN	GER	06-20-92	39.52
1:15.60	08-28-83	USA	MANUEL SANGUILY	100 M. BRST	ELAINE BROMWICH	GBR	09-07-95	1:28.70
2:50.57	07-09-94	ISR	GERSHON SHEFA	200 M. BRST	ELAINE BROMWICH	GBR	09-06-95	3:11.56
28.05	08-27-95	USA	KEEFE LODWIG	50 M. FLY	ARDETH MUELLER	USA	08-22-93	31.69
1:05.83	11-15-92	USA	TIMOTHY GARTON	100 M. FLY	ARDETH MUELLER	USA	08-22-93	1:13.86
2:32.65	04-15-93	AUS	PETER GILMORE	200 M. FLY	ARDETH MUELLER	USA	08-18-91	2:49.53
				100 M. I.M.				
2:28.70	08-22-93	USA	TIMOTHY GARTON	200 M. I.M.	CAROLYN BOAK	USA	05-28-95	2:53.40
5:25.32	08-22-93	USA	TIMOTHY GARTON	400 M. I.M.	ARDETH MUELLER	USA	07-05-92	6:12.08
***** M E N *****				55-59	***** W O M E N *****			
27.05	07-09-94	SWE	PETER BERGENGREN	50 M. FREE	JAYNE BRUNER	USA	08-04-91	32.59
1:00.87	06-04-95	USA	JEFF FARRELL	100 M. FREE	YOSHIKO OSAKI	JPN	07-18-93	1:11.01
2:17.63	07-09-94	USA	JEFF FARRELL	200 M. FREE	YOSHIKO OSAKI	JPN	07-18-93	2:36.58
4:57.21	08-28-94	USA	DAVID HARRISON	400 M. FREE	YOSHIKO OSAKI	JPN	07-18-93	5:26.57
10:27.08	06-26-88	USA	BURWELL JONES	800 M. FREE	LAVELLE STAINOFF	USA	08-28-88	11:30.97
19:54.72	06-15-90	USA	BURWELL JONES	1500 M. FREE	LAVELLE STAINOFF	USA	08-14-88	22:18.91
32.94	07-05-92	USA	YOSHI OYAWAKA	50 M. BACK	BETSY JORDAN	USA	07-05-92	37.30
1:12.33	10-03-94	NZL	BARRY YOUNG	100 M. BACK	BETSY JORDAN	USA	07-05-92	1:21.42
2:37.16	09-03-94	NZL	BARRY YOUNG	200 M. BACK	BETSY JORDAN	USA	07-05-92	2:59.18
33.03	07-18-93	JPN	HIROSHI KOTEGAWA	50 M. BRST	JAYNE BRUNER	USA	08-18-91	39.91
1:17.87	08-28-88	USA	JOHN KORTHEUER	100 M. BRST	JAYNE BRUNER	USA	08-23-92	1:29.88
2:56.20	- -90	GBR	THOMAS WALKER	200 M. BRST	FLORA CONNOLLY	GBR	- -89	3:18.11
29.74	07-09-94	USA	ROBERT PROEBSTING	50 M. FLY	GAIL ROPER	USA	08-20-85	35.29
1:09.27	07-09-94	USA	ROBERT PROEBSTING	100 M. FLY	YOSHIKO OSAKI	JPN	10-01-95	1:26.38
2:48.05	07-09-94	USA	ROBERT PROEBSTING	200 M. FLY	FLORA CONNOLLY	GBR	- -89	3:17.68
				100 M. I.M.				
2:40.01	10-03-94	NZL	BARRY YOUNG	200 M. I.M.	YOSHIKO OSAKI	JPN	10-01-95	2:59.15
5:45.62	02-13-94	NZL	BARRY YOUNG	400 M. I.M.	YOSHIKO OSAKI	JPN	10-03-93	6:18.94
***** M E N *****				60-64	***** W O M E N *****			
27.80	07-30-95	USA	BOB BAILIE	50 M. FREE	JAYNE BRUNER	USA	08-28-94	33.11
1:02.80	07-05-92	USA	DONALD HILL	100 M. FREE	JANE ASHER	GBR	- -91	1:14.25
2:23.11	07-05-92	USA	DONALD HILL	200 M. FREE	LAVELLE STAINOFF	USA	07-11-93	2:43.83
5:04.56	07-30-95	USA	GRAHAM JOHNSTON	400 M. FREE	LAVELLE STAINOFF	USA	07-11-93	5:47.52
10:34.02	07-30-95	USA	GRAHAM JOHNSTON	800 M. FREE	LAVELLE STAINOFF	USA	05-29-94	12:01.79
20:04.73	07-30-95	USA	GRAHAM JOHNSTON	1500 M. FREE	LAVELLE STAINOFF	USA	05-28-95	22:50.81
33.13	08-28-94	USA	YOSHI OYAKAWA	50 M. BACK	PAM HUTCHINGS	AUS	01-20-96	39.93
1:14.72	08-28-94	USA	YOSHI OYAKAWA	100 M. BACK	GRETHE BENDTSEN	DEN	07-05-92	1:30.22
2:45.93	08-22-93	USA	DONALD BROWN	200 M. BACK	LAVELLE STAINOFF	USA	05-29-94	3:12.84
34.59	09-24-95	JPN	AKIO SUGIYAMA	50 M. BRST	EDITH BOEHM	GER	- -88	42.49
1:21.58	08-18-91	USA	JOHN KORTHEUER	100 M. BRST	JAYNE BRUNER	USA	08-28-94	1:35.25
3:02.90	09-10-95	GBR	THOMAS WALKER	200 M. BRST	FLORA CONNOLLY	GBR	06-05-94	3:24.83
30.35	07-30-95	USA	BOB BAILIE	50 M. FLY	JAYNE BRUNER	USA	08-28-94	38.10
1:14.98	07-09-94	USA	WALLY DOBLER	100 M. FLY	JUDIE OLIVER	CAN	07-05-92	1:31.52
3:00.99	08-20-90	USA	JOHN MASTERS	200 M. FLY	FLORA CONNOLLY	GBR	06-05-94	3:26.76
				100 M. I.M.				
2:50.08	08-22-93	USA	GRAHAM JOHNSTON	200 M. I.M.	FLORA CONNOLLY	GBR	07-06-93	3:15.30
6:04.99	08-18-91	USA	GRAHAM JOHNSTON	400 M. I.M.	FLORA CONNOLLY	GBR	07-09-94	6:57.33

# WORLD RECORDS

## LONG COURSE METERS (as of 5-1-96)

*****		M E N	***** 65-69 *****			W O M E N	*****		
28.94	- -91	GER	B SCHLURIKE	50 M.	FREE	GAIL ROPER	USA	08-27-95	34.35
1:08.15	08-28-83	USA	JAMES WELCH	100 M.	FREE	CLARA WALKER	USA	07-05-92	1:16.84
2:32.90	06-21-87	USA	PETER POWLISON	200 M.	FREE	CLARA WALKER	USA	07-05-92	2:48.51
5:31.13	03-02-96	AUS	BOB BARRY	400 M.	FREE	CLARA WALKER	USA	08-18-91	6:05.22
11:33.14	08-27-95	USA	WILLIAM PHILLIPS	800 M.	FREE	CLARA WALKER	USA	07-05-92	12:27.60
22:29.32	08-02-92	USA	WIN WILSON	1500 M.	FREE	CLARA WALKER	USA	08-02-92	24:07.05
35.47	08-20-89	USA	GEORGE GANDSEY	50 M.	BACK	CLARA WALKER	USA	08-23-92	39.85
1:20.74	07-05-92	USA	ROGER FRANKS	100 M.	BACK	DORIS STEADMAN	USA	08-20-90	1:31.58
2:55.46	07-05-92	USA	ROGER FRANKS	200 M.	BACK	DORIS STEADMAN	USA	08-20-90	3:17.12
38.28	07-12-91	USA	JOSEPH KURTZMAN	50 M.	BRST	EDITH BOEHM	GER	07-09-94	43.42
1:28.91	08-18-91	USA	JOSEPH KURTZMAN	100 M.	BRST	EDITH BOEHM	GER	07-09-94	1:42.25
3:16.90	- -90	GER	KARL HEINZ KNOPS	200 M.	BRST	MARGARET EVANS	GBR	- -89	3:45.71
33.34	- -87	GBR	JACK HALE	50 M.	FLY	GAIL ROPER	USA	08-13-95	39.52
1:20.59	08-23-92	USA	JOSEPH KURTZMAN	100 M.	FLY	GAIL ROPER	USA	07-30-95	1:37.07
3:08.79	07-12-91	USA	JOSEPH KURTZMAN	200 M.	FLY	JUNE KRAUSER	USA	07-09-94	3:36.25
				100 M.	I.M.				
2:57.61	08-22-93	USA	CHARLES MOSS	200 M.	I.M.	CLARA WALKER	USA	08-23-92	3:20.58
6:25.02	08-22-93	USA	CHARLES MOSS	400 M.	I.M.	CLARA WALKER	USA	08-23-92	7:09.69
*****	*****	M E N	***** 70-74 *****	W O M E N	*****	*****	*****	*****	*****
29.35	08-26-84	USA	KELLEY LEMMON	50 M.	FREE	IRMA HEYTING	AUS	04-17-95	37.16
1:10.16	08-13-95	USA	FRANK PIEMME	100 M.	FREE	FLORENCE CARR	USA	07-16-95	1:25.89
2:41.41	06-04-95	USA	FRANK PIEMME	200 M.	FREE	FLORENCE CARR	USA	07-16-95	3:13.31
5:48.08	08-27-95	USA	FRANK PIEMME	400 M.	FREE	PETEY SMITH	USA	07-10-94	6:46.55
12:03.73	06-17-95	USA	FRANK PIEMME	800 M.	FREE	PETEY SMITH	USA	08-28-94	13:51.53
23:03.23	07-08-95	USA	FRANK PIEMME	1500 M.	FREE	PETEY SMITH	USA	07-31-94	27:05.80
37.10	07-30-95	USA	PAUL HUTINGER	50 M.	BACK	DORIS STEADMAN	USA	08-27-95	43.24
1:24.14	07-30-95	USA	PAUL HUTINGER	100 M.	BACK	DORIS STEADMAN	USA	08-27-95	1:35.11
3:10.07	09-24-95	JPN	KEIJIRO NAKAMURA	200 M.	BACK	DORIS STEADMAN	USA	08-27-95	3:28.69
39.15	07-16-95	JPN	TOSHIO TAJIMA	50 M.	BRST	TSUNEKO MITA	JPN	09-25-94	49.47
1:32.51	08-27-95	GER	KARL-HEINZ KNOPS	100 M.	BRST	AGNES PLISSON	FRA	12-11-94	1:51.36
3:26.42	09-06-95	GER	KARL-HEINZ KNOPS	200 M.	BRST	MARGARET EVANS	GBR	06-05-94	4:03.16
34.40	08-27-95	USA	FRANK PIEMME	50 M.	FLY	LOIS NOCHMAN	USA	08-27-95	45.75
1:29.22	08-27-95	GER	KARL-HEINZ KNOPS	100 M.	FLY	LOIS NOCHMAN	USA	08-27-95	1:57.17
3:28.08	09-07-95	GER	KARL-HEINZ KNOPS	200 M.	FLY	LOIS NOCHMAN	USA	08-27-95	4:16.68
				100 M.	I.M.				
3:11.42	08-20-89	USA	RAY TAFT	200 M.	I.M.	M CUNNINGHAM	AUS	04-17-95	3:49.31
6:52.07	07-22-95	USA	FRANK PIEMME	400 M.	I.M.	FLORENCE CARR	USA	06-11-95	8:23.92
*****	*****	M E N	***** 75-79 *****	W O M E N	*****	*****	*****	*****	*****
32.50	08-28-83	USA	LYLE COLLET	50 M.	FREE	J DRAKE-BROCKMAN	AUS	04-17-95	39.06
1:13.84	05-28-95	USA	RAY TAFT	100 M.	FREE	J DRAKE-BROCKMAN	AUS	03-03-96	1:31.46
2:51.62	05-28-95	USA	RAY TAFT	200 M.	FREE	RITA SIMONTON	USA	06-19-93	3:37.64
6:19.18	07-16-95	JPN	DOMEI SUZUKI	400 M.	FREE	RITA SIMONTON	USA	06-19-93	7:38.77
12:58.14	06-10-95	USA	RAY TAFT	800 M.	FREE	CANDIDA GANDOLPHO	BRA	09-09-95	15:13.28
24:51.78	10-22-95	JPN	DOMEI SUZUKI	1500 M.	FREE	RITA SIMONTON	USA	07-10-93	29:45.90
39.49	07-09-94	USA	RAY TAFT	50 M.	BACK	WILLY VAN RYSEL	GBR	- -91	46.64
1:29.52	08-27-95	USA	RAY TAFT	100 M.	BACK	J DRAKE-BROCKMAN	AUS	04-17-95	1:48.86
3:15.00	11-13-94	USA	RAY TAFT	200 M.	BACK	J DRAKE-BROCKMAN	AUS	10-22-95	4:00.44
42.58	- -90	JPN	HIROMU YOSHIMOTO	50 M.	BRST	EMMI PAULI	GER	- -89	52.90
1:37.55	09-05-93	ITA	AUGUSTO ROMANO	100 M.	BRST	HILDEGARD MESSING	GER	09-07-95	2:03.71
3:34.86	07-09-94	ITA	AUGUSTO ROMANO	200 M.	BRST	HILDEGARD MESSING	GER	09-06-95	4:29.52
37.57	07-31-94	USA	RAY TAFT	50 M.	FLY	GERTRUD ZINT	USA	08-22-93	55.38
1:39.80	07-05-92	USA	ANTON CERER	100 M.	FLY	KAY SCHIMPF	USA	08-30-92	2:19.44
3:43.56	07-05-92	USA	ANTON CERER	200 M.	FLY	MAXINE MERLINO	USA	05-28-88	4:54.79
				100 M.	I.M.				
3:24.38	11-13-94	USA	RAY TAFT	200 M.	I.M.	MARIA LENK	BRA	- -90	4:20.42
7:21.75	05-28-95	USA	RAY TAFT	400 M.	I.M.	MAXINE MERLINO	USA	08-09-87	9:11.23
*****	*****	M E N	***** 80-84 *****	W O M E N	*****	*****	*****	*****	*****
33.88	08-08-93	USA	WOODROW BOWERSOCK	50 M.	FREE	HATSUHO SUGAYA	JPN	09-25-94	41.31
1:19.28	07-16-95	JPN	HIKOJI UEKI	100 M.	FREE	UME WADA	JPN	- -91	1:39.30
3:03.45	07-16-95	JPN	HIKOJI UEKI	200 M.	FREE	UME WADA	JPN	- -92	3:44.00
6:40.63	07-16-95	JPN	HIKOJI UEKI	400 M.	FREE	UME WADA	JPN	- -91	8:23.50
13:50.05	07-09-94	CAN	NORBERT ARTUS	800 M.	FREE	UME WADA	JPN	- -91	17:21.19
28:54.95	08-13-83	USA	GUS LANGNER	1500 M.	FREE	JEAN DURSTON	USA	07-30-95	33:00.94
43.15	07-16-95	JPN	TOSHIJI SATO	50 M.	BACK	MYRTLE WRIGHT	AUS	- -89	53.73
1:40.26	07-16-95	JPN	TOSHIJI SATO	100 M.	BACK	MYRTLE WRIGHT	AUS	- -89	2:01.87
3:42.95	08-27-95	USA	EDWARD SHEA	200 M.	BACK	MYRTLE WRIGHT	AUS	- -89	4:22.89
45.45	06-17-95	JPN	HIROMU YOSHIMOTO	50 M.	BRST	DOROTHY WESTON	GBR	06-06-93	59.60
1:46.92	06-17-95	JPN	HIROMU YOSHIMOTO	100 M.	BRST	DOROTHY WESTON	GBR	06-06-93	2:17.08
4:10.93	03-03-96	AUT	JOHANN MORSCHER	200 M.	BRST	DOROTHY WESTON	GBR	06-06-93	5:01.36
47.24	07-22-95	USA	ROBERT CHRISTIANS	50 M.	FLY	MARIA LENK	BRA	04-23-95	1:01.41
1:58.99	05-29-94	USA	WALTER PFEIFFER	100 M.	FLY	JEAN DURSTON	USA	07-31-94	2:27.91
4:31.96	08-14-94	USA	WALTER PFEIFFER	200 M.	FLY	JEAN DURSTON	USA	07-31-94	5:24.52
				100 M.	I.M.				
4:01.29	05-29-94	USA	WALTER PFEIFFER	200 M.	I.M.	MARIA LENK ZIGLER	USA	08-27-95	4:41.09
8:45.17	05-29-94	USA	WALTER PFEIFFER	400 M.	I.M.	MAXINE MERLINO	USA	08-23-92	10:05.13

# WORLD RECORDS

## LONG COURSE METERS (as of 5-1-96)

*****		M E N		*****		85-89		*****		W O M E N		*****	
41.53	05-07-93	AUS	FRANK GRIFFITHS	50	M.	FREE	JULIA DOLCE	USA	08-28-94	50.93			
1:41.27	11-13-93	AUS	FRANK GRIFFITHS	100	M.	FREE	JULIA DOLCE	USA	08-27-95	2:00.68			
3:48.91	10-01-88	USA	GUS LANGNER	200	M.	FREE	JULIA DOLCE	USA	08-28-94	4:45.10			
8:14.50	08-28-88	USA	GUS LANGNER	400	M.	FREE	JULIA DOLCE	USA	08-28-94	10:44.25			
17:11.21	10-15-88	USA	GUS LANGNER	800	M.	FREE	JULIA DOLCE	USA	08-06-95	21:54.01			
33:08.42	08-20-89	USA	GUS LANGNER	1500	M.	FREE	JULIA DOLCE	USA	08-27-95	43:35.59			
56.12	04-23-95	BRA	GASTAO FIGUEIREDO	50	M.	BACK	AILEEN SOULE	USA	08-18-91	58.42			
2:07.06	08-01-93	USA	JIM PENFIELD	100	M.	BACK	AILEEN SOULE	USA	06-09-91	2:13.13			
4:43.49	06-19-93	USA	JIM PENFIELD	200	M.	BACK	AILEEN SOULE	USA	06-09-91	4:47.82			
51.52	08-27-95	GER	KARL WITTENBERG	50	M.	BRST	MIZZI BUTZBACH	GER	12-03-94	1:15.55			
2:12.18	08-27-95	GER	KARL WITTENBERG	100	M.	BRST	M.GOTTSCHALK	GER	07-09-95	3:02.34			
5:09.86	- -91	JPN	SHOHEI YOSHIDA	200	M.	BRST	YOSHI KUCHIBA	JPN	07-18-93	7:15.13			
57.93	08-27-95	USA	JESSE COON	50	M.	FLY	ELLA PECKHAM	USA	06-15-85	1:27.77			
2:33.63	05-07-93	AUS	FRANK GRIFFITHS	100	M.	FLY	KATHERINE PELTON	USA	07-28-91	3:01.14			
5:24.28	05-07-93	AUS	FRANK GRIFFITHS	200	M.	FLY	KATHERINE PELTON	USA	08-12-90	7:18.41			
				100	M.	I.M.							
4:40.15	05-07-93	AUS	FRANK GRIFFITHS	200	M.	I.M.	KATHERINE PELTON	USA	07-13-91	6:44.53			
10:28.43	03-25-94	AUS	FRANK GRIFFITHS	400	M.	I.M.	KATHERINE PELTON	USA	08-26-90	14:02.65			
*****		M E N		*****		90-94		*****		W O M E N		*****	
48.70	08-08-93	USA	GUS LANGNER	50	M.	FREE	PEARL MILLER	USA	07-10-88	2:02.38			
1:57.91	08-22-93	USA	GUS LANGNER	100	M.	FREE	DEL ROWLEY	AUS	04-17-95	3:48.55			
4:28.34	08-22-93	USA	GUS LANGNER	200	M.	FREE	ANNA BAUSCHER	USA	08-28-94	7:28.92			
9:44.11	08-22-93	USA	GUS LANGNER	400	M.	FREE							
20:13.74	08-01-93	USA	GUS LANGNER	800	M.	FREE	ANNA BAUSCHER	USA	08-28-94	30:55.09			
36:47.02	08-22-93	USA	GUS LANGNER	1500	M.	FREE							
1:10.27	05-29-94	USA	AL KALLUNKI	50	M.	BACK	ANNA BAUSCHER	USA	08-28-94	1:42.49			
2:34.82	06-11-95	USA	PETER JURCZYK	100	M.	BACK	VERA FERNANCE	AUS	- -88	3:59.89			
5:36.88	06-11-95	USA	PETER JURCZYK	200	M.	BACK	PEARL MILLER	USA	07-16-89	10:47.76			
1:16.01	08-27-95	USA	ANDREW KALLUNKI	50	M.	BRST	DEL ROWLEY	AUS	04-17-95	2:13.81			
3:09.64	08-01-93	USA	GUS LANGNER	100	M.	BRST	DEL ROWLEY	AUS	03-03-96	5:06.09			
6:24.54	08-01-93	USA	GUS LANGNER	200	M.	BRST	DEL ROWLEY	AUS	10-22-95	10:39.50			
				50	M.	FLY	ANNA BAUSCHER	USA	08-28-94	4:57.25			
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
6:59.87	06-11-95	USA	PETER JURCZYK	200	M.	I.M.	ANNA BAUSCHER	USA	08-28-94	12:10.93			
				400	M.	I.M.							
*****		M E N		*****		95-99		*****		W O M E N		*****	
1:41.72	07-08-95	USA	JOHN WHITTEMORE	50	M.	FREE							
				100	M.	FREE							
				200	M.	FREE							
				400	M.	FREE							
				800	M.	FREE							
				1500	M.	FREE							
				50	M.	BACK							
				100	M.	BACK							
				200	M.	BACK							
				50	M.	BRST							
				100	M.	BRST							
				200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							
*****		M E N		*****		100-104		*****		W O M E N		*****	
2:05.49	09-18-94	USA	TOM LANE	50	M.	FREE	MARY MAINA	AUS	10-03-94	5:10.84			
4:25.98	09-10-95	USA	TOM LANE	100	M.	FREE							
				200	M.	FREE							
				400	M.	FREE							
				800	M.	FREE							
				1500	M.	FREE							
2:05.54	09-10-95	USA	TOM LANE	50	M.	BACK							
4:57.01	09-18-94	USA	TOM LANE	100	M.	BACK							
				200	M.	BACK							
				50	M.	BRST							
				100	M.	BRST							
				200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							

# WORLD RECORDS

## LONG COURSE METERS (as of 5-1-96)

WRL LCM RECORDS AS OF 05-01-96

***** RELAY 200 M. FREE - WOMEN *****			***** RELAY 200 M. MEDLEY - WOMEN *****		
100-119 HOLMES-USA	08-28-88	1:53.20	100-119 HOLMES - USA	08-28-88	2:06.67
MARY HOLMES	SUSAN HALFACRE		BETH MAUER	DEB WALKER	
BETH MAUER	TISH BUCHER		TISH BUCHER	MARY HOLMES	
120-159 LONE STAR-USA	08-24-87	1:53.05	120-159 HOLMES - USA	- -88	2:08.21
MONICA BURK	BRIGITTE HEUER				
L. MORRISON-CASEY	JACKI HIRSTY				
160-199 D.C.MASTERS-USA	08-28-88	2:03.48	160-199 LOS ALTOS-USA	05-29-94	2:12.91
JACKI HIRSTY	NANCY KIRKENDALL		CHRIS BREEDY	SUSAN ROY	
ANN SVANSON	SUE HARRINGTON		LAURA VAL	CAROLYN BOAK	
200-239 LOS ALTOS-USA	05-29-94	2:08.96	200-239 NEUK-GER	07-05-92	2:27.18
LAURA VAL	SUSAN ROY		BRIGITTE MERTEN	MONIKA SENFTLEBEN	
DELLA SEHORN	CAROLYN BOAK		HEIDI KAMPSCHULTE	MARGA SCHULZE	
240-279 NEW ENGLAND-USA	07-09-94	2:25.83	240-279 DC MASTERS-USA	08-28-94	2:49.96
JENNIFER LUKER	DIANE REED		ANNE WALKER	JAYNE BRUNER	
BILLIE BURRILL	CLARA WALKER		BARBARA FRID	BARBARA ZAREMSKI	
280-319 HELLAS-SWE	09-07-95	2:47.72	280-319 OAHU CLUB-JPN	07-16-95	3:32.23
BRITT GRILLI	ERNA HAMMARLUND		REIKO NAWATA	HIDEKO MORI	
KRISTINA VADEM	KERSTIN GJORES		KIMIE KANAI	MACHIKO ITAI	
320-359 INGLEWOOD-AUS	04-17-95	5:03.34	320-359 INGLEWOOD-AUS	04-17-95	7:11.22
DEL ROWLEY	BETTY JONES		DEL ROWLEY	BETTY JONES	
DOROTHY WILLISON	AUDREY WHYTE		DOROTHY WILLISON	AUDREY WHYTE	

***** RELAY 200 M. FREE - M E N *****			***** RELAY 200 M. MEDLEY - M E N *****		
100-119 REGATAS-BRA	08-11-90	1:37.40	100-119 POWERS-AUS	04-07-90	1:49.84
JOSE SANTOS	JORGE FERNANDES		BRAD COOPER	NEIL GYNTHNER	
M. GOLDENSTEIN	JOSE MOREIRA		ANKER BRODERSEN	ANGUS WADDELL	
120-159 LONE STAR-USA	07-16-86	1:37.43	120-159 RED FISH-SUI	07-09-94	1:48.75
DAVID HAGUE	JAMES MONTGOMERY		PATRICK FERLAND	ETIENNE DAGON	
TRIP HEDRICK	BUCK SMITH		THEOPHILE DAVID	STEFAN VOLERY	
160-199 HOLMES - USA	08-11-90	1:39.27	160-199 BAYLOR/LSTR-USA	07-09-94	1:53.79
JAMES LILLEY	C. MILTENBERGER		MEL NASH	BARRY HAMILTON	
RICHARD ABRAHAMS	TIMOTHY GARTON		TRIPP HEDRICK	DAVID HAGUE	
200-239 OLYMPIC CLB-USA	07-09-94	1:46.69	200-239 OLYMPIC CLB-USA	07-09-94	1:58.50
MICHAEL GARIBALDI	ROBERT STRAND		TIM BIRNIE	ROBERT STRAND	
RICHARD BASSI	JAMES ELDER		RICHARD BASSI	JAMES ELDER	
240-279 GOST-USA	07-05-92	1:58.54	240-279 BUCKEYE-USA	08-28-94	2:17.59
THOMAS OLANDER	SID HALL		YOSHI OYAKOWA	JOHN MEDICI	
KEITH CARTER	JOHN FLORANCE		THOMAS OLANDER	JOHN FLORANCE	
280-319 SHUEI-JPN	09-15-92	2:10.18	280-319 OREGON - USA	08-23-92	2:34.57
SHUICHI MURAYAMA	JUZO TSUBOTA		FLOYD ELIOTT	BOB MORRISON	
ISAMU TAMURA	KEIJIRO NAKAMURA		ANDREW HOLDEN	GERALD HUESTIS	
320-359 REC SWIM 88-JPN	07-18-93	2:53.29	320-359 COAST MASTER	08-13-95	3:06.15
S FUKUWATARI	TETSU YAMAUCHI		BRION WINSHIP	WALTER PFEIFFER	
SHIRO ISHIKAWA	HARUO CHIJIWA		ROBERT CHRISTIANS	WOODROW BOWERSOCK	

***** RELAY 200 M. FREE - MIXED *****			***** RELAY 200 M. MEDLEY - MIXED *****		
100-119 HOLMES - USA	- -88	1:43.89	100-119 HOLMES - USA	08-28-88	1:56.58
			BETH MAUER	BRUCE HOWELL	
			SAM SEIPLE	MARY HOLMES	
120-159 HOLMES - USA	- -88	1:44.83	120-159 DC MASTERS-USA	- -85	1:58.03
			THOMAS WOLF	MATTHEW KANZLER	
			SUSAN SKIFF	JACKI HIRSTY	
160-199 ROCKY MT. - USA	07-05-92	1:47.46	160-199 HOLMES - USA	- -88	2:02.10
CATHY DROZDA	JUDY REED				
TOM WHATLEY	RICHARD ABRAHAMS				
200-239 LOS ALTOS - USA	07-09-94	1:55.50	200-239 LOS ALTOS - USA	07-09-94	2:14.32
EDWARD CAZALET	LAURA VAL		EDWARD CAZALET	TOM BOAK	
ARLENE PROEBSTING	ROBERT PROEBSTING		CAROLYN BOAK	ARLENE PROEBSTING	
240-279 HOLMES - USA	- -88	2:09.67	240-279 NEW ENGLAND-USA	08-28-88	2:29.30
			CLARA WALKER	TED HAARTZ	
			WIN WILSON	DIANE REED	
280-319 OREGON - USA	08-23-92	2:31.29	280-319 HOLMES - USA	- -88	2:37.98
GERALD HUESTIS	ANDREW HOLDEN				
PETEY SMITH	PAULINE STANGEL				
320-359 DC MASTERS-USA	08-01-93	3:03.15	320-359 RIO MASTERS-BRA	11-26-95	3:54.87
NANCY CLARK	ANNE WALKER		ALBERTO MIBIELLI	LUZIA CARACCILO	
KELLEY LEMMON	DAVID MCAFFEE		MARIA LENK	GASTAO FIGUEIREDO	





1995 USMS TOP 10 SHORT COURSE METERS ERRATA

50 M. FREE WOMEN 85-89

51.99 JULIA DOLCE 86  
 1:03.68 PATIENCE MILLER 85  
 1:07.98 MADELEINE MILLER 85  
 1:09.19 ELLEN TAIT 85  
 1:15.98 EDIE GOLDMAN 85  
 1:50.58 ELIZABETH DZIADUS 85

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RELAYS: M E N 400 M. FREE

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120-159

DAVIS AQUATIC 3:36.25  
 ANDREW MCPHERSON 48  
 MICHAEL COLLINS 29  
 BRAD WINSOR 24  
 JOHN KEPPELER 28  
 VENICE MASTERS 3:45.37  
 DAVID KASTIGAR 31  
 STEVE LATTA 28  
 BRUCE STAHL 37  
 BOB EBERWINE 35  
 SOUTHERN CALIF 3:52.03  
 GLENN CARNAHAN 32  
 MIKE FRAZER 34  
 CHIP KINDELAN 35  
 PETER EGAN 31  
 SAN DIEGO SWIM 3:54.79  
 SCOTT ROGOW 30  
 MIKE LEWIS 30  
 JOHN O'BEIRNE 29  
 ALAN VOLSARD 35  
 CNBS 3:59.37  
 JEFF HOGG 30  
 GEOFFREY THOMAS 26  
 MICHAEL LEMKE 38  
 MICHAEL NEAL 31  
 CRESENT HILL 4:07.60  
 JOHN VOORHEES 36  
 MICHAEL LEMKE 38  
 JIM GRUBBS 41  
 EDWARD BELL 42  
 BEACH CITIES 4:08.79  
 BRIAN MERRIGAN 35  
 MARK TOYOOKA 29  
 SCOTT LEE 34  
 CHUCK PONTHER 32  
 INDUSTRY HILLS 4:12.21  
 STAN KIEFER 40  
 JAMES PERCY 40  
 STUART LONDON 29  
 GREGORY BLODGETT 30  
 PNA 4:26.28  
 BLAIR MURRAY 32  
 JIM WILLIAMS 38  
 IAN THOMPSON 45  
 MARCUS FAIRBANKS 43  
 WEST HOLLYWOOD 4:27.26  
 ERROL GRAHAM 36  
 D FERGUSON-ACOSTA 45  
 KURT MURDOCH 29  
 ROBERT FUENTES 32





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PROJECT DESCRIPTION: \_\_\_\_\_  
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PROJECT STATUS: \_\_\_\_\_

PROJECT TYPE: \_\_\_\_\_

PROJECT PHASE: \_\_\_\_\_

PROJECT SCHEDULE: \_\_\_\_\_

PROJECT BUDGET: \_\_\_\_\_

PROJECT COST: \_\_\_\_\_

PROJECT REVENUE: \_\_\_\_\_

PROJECT SUMMARY: \_\_\_\_\_  
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PROJECT COMMENTS: \_\_\_\_\_

PROJECT NOTES: \_\_\_\_\_

PROJECT REPORTS: \_\_\_\_\_

PROJECT DOCUMENTS: \_\_\_\_\_

PROJECT RECORDS: \_\_\_\_\_

PROJECT ARCHIVES: \_\_\_\_\_

PROJECT REFERENCES: \_\_\_\_\_

PROJECT CONTACTS: \_\_\_\_\_

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# USMS TOP TEN

Herewith the top ten times for 1995-96 short course/yards performed between June 1, 1995 and May 30, 1996 and reported *in a timely manner* to our National Recorder. The indented time in each event is the current U.S.M.S. record. "NV" after the top ten time indicates that appropriate documentation has not yet been supplied and the time is Not Verified.

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

*Published September 1996*

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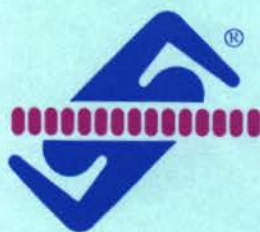
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