

\$7.00

**United States
Masters Swimming, Inc.**

1996 ~~1997~~ 1996

Top Ten Short Course Meters

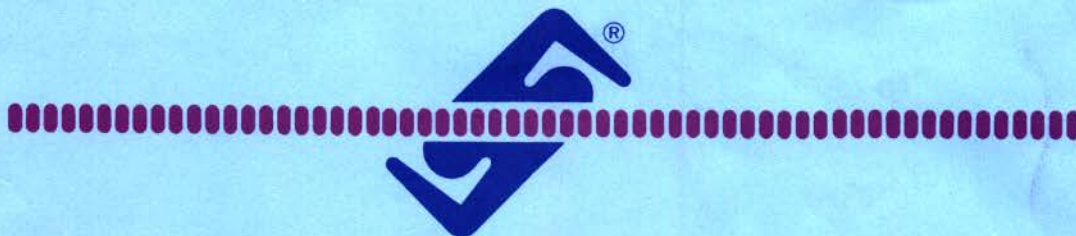
and

World Records

as of November 1, 1996

Short Course Meters

Long Course Meters



Published April 1997

United States
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TOP TEN - SHORT COURSE METERS

50 M. FREE WOMEN 19-24	36.00 MERILEE ROBINSON 22	1:05.38 JAMIE RAAB 94	2:14.78 BRIDGET ROBBINS 26
27.44 JAMIE RAAB 94	36.31 KENDY RADASKY 21	1:10.14 ALISSA GOWING 24	2:15.72 LAUREL HILL 27
28.61 JERI RAMSBOTTOM 24	100 M. BACK WOMEN 19-24	1:13.85 SHANNON DAVIES 24	2:15.92 NANCY NORTH 28
28.73 INGRID TUNG 23	1:08.94 TATE BIRNIE 95	1:14.12 GRETCHEN HURLEY 23	2:18.69 RACHEL BERKOWITZ 25
29.06 NINA PIELSTICK 24	1:10.59 JERI RAMSBOTTOM 24	1:16.31 ROBIN KRACKER 22	2:18.95 BETHANY WILLISTON 25
29.41 ROBIN KRACKER 22	1:11.88 BRENDA MAILLOUX 24	1:18.10 BRENDA CLARK 24	2:21.94 HEATHER HORNE 25
29.46 BRENDA CLARK 24	1:13.38 SARAH KING 21	1:18.57 WENDY NEELY 21	2:22.03 DONNA JOHNSON 29
29.72 HEATHER MILLER 22	1:16.01 KENDY RADASKY 21	1:19.28 JENNIFER REMLE 24	400 M. FREE WOMEN 25-29
29.80 SARAH KING 21	1:16.17 SHIRLEY BOYD 23	1:19.30 ELAINE HEAL 22	4:24.18 SHEILA TAORMINA 96
29.87 REBECCA FRAYNE 24	1:16.17 CHERYL AUTTUBATO 23	1:20.42 KELLY RISCHE 24	4:24.18 SHEILA TAORMINA 27
29.92 MARGARET CALFEE 24	1:16.69 NINA PIELSTICK 24	1:35.40 RACHELLE FRIEDMAN 22	4:39.87 LAUREL HILL 27
30.00 NATALIE FERRELL 23	1:17.09 PENNY GUERRA 24	200 M. FLY WOMEN 19-24	4:42.89 BRIDGET ROBBINS 26
100 M. FREE WOMEN 19-24	1:17.58 IVANOVA FEBRES 21	2:32.94 CASSIE CAMPBELL 95	4:44.67 DONNA JOHNSON 29
1:00.14 MICHELLE CHOW 93	1:18.90 MERILEE ROBINSON 22	3:01.67 JENNIFER REMLE 24	4:45.11 WENDY HIPSKIND 25
1:03.17 JERI RAMSBOTTOM 24	200 M. BACK WOMEN 19-24	3:11.97 ELAINE HEAL 22	4:48.11 NANCY NORTH 28
1:04.39 NINA PIELSTICK 24	2:22.61 N WUNDERLICH 95	3:42.35 DANA FRANKS 23	4:48.57 ELLEN BAIRD 27
1:05.03 INGRID TUNG 23	2:34.73 LAURA JUCKELAND 23	100 M. I.M. WOMEN 19-24	4:52.68 SUSIE DEVLIN 29
1:05.45 MARGARET CALFEE 24	2:42.56 NINA PIELSTICK 24	1:05.34 BEATA KASZUBA 95	4:54.62 JAMIE RAAB 26
1:05.65 ELIZA BARCUS 22	2:44.80 MERILEE ROBINSON 22	1:13.59 ALISSA GOWING 24	4:58.11 COURTNEY CHUBB 26
1:05.88 JULIE NOSKOWIAK 24	2:45.97 KENDY RADASKY 21	1:13.79 SARAH KING 21	800 M. FREE WOMEN 25-29
1:05.93 HEATHER MILLER 22	2:47.16 KRISTA SPONENBERG 23	1:14.19 GRETCHEN HURLEY 23	8:51.18 SHEILA TAORMINA 96
1:06.14 ROBIN KRACKER 22	2:47.39 SHIRLEY BOYD 23	1:14.43 SHANNON DAVIES 24	8:51.18 SHEILA TAORMINA 27
1:06.94 SHIRLEY BOYD 23	2:47.45 CAROLYN REUTER 24	1:14.55 KERRY HENAULT 24	9:33.53 WENDY HIPSKIND 25
1:07.33 REBECCA FRAYNE 24	2:48.18 BRENDA MAILLOUX 24	1:15.23 JULIE VEREMEY 24	9:42.53 DONNA JOHNSON 29
200 M. FREE WOMEN 19-24	2:54.92 TERESA MAGNUS 19	1:15.66 NINA PIELSTICK 24	9:46.54 NANCY NORTH 28
2:14.39 TATE BIRNIE 95	3:19.68 MARY ANN STOTT 23	1:16.29 SHIRLEY BOYD 23	9:54.12 BRIDGET ROBBINS 26
2:21.93 JULIE NOSKOWIAK 24	50 M. BRST WOMEN 19-24	1:16.44 MARGARET CALFEE 24	9:57.96 BETHANY WILLISTON 25
2:22.35 NINA PIELSTICK 24	32.09 BEATA KASZUBA 95	1:16.50 MONICA BULLARD 23	10:21.50 GILLIAN FUCIGNA 28
2:23.41 C.RADCLIFF 22	36.57 GRETCHEN HURLEY 23	200 M. I.M. WOMEN 19-24	10:36.10 CECILIA HENRIKSEN 29
2:26.55 BRENDA CLARK 24	37.15 BRETT BAGSHAW 24	2:30.37 N WUNDERLICH 95	10:41.07 EMILY WATTS 29
2:26.79 KENDY RADASKY 21	37.21 MONICA BULLARD 23	2:38.85 JOY KRAUSE 21	10:44.57 ANN HILL 27
2:27.23 JILL MURANY 22	38.47 PENNY GUERRA 24	2:38.90 C.RADCLIFF 22	1500 M. FREE WOMEN 25-29
2:28.38 REBECCA FRAYNE 24	38.76 C.RADCLIFF 22	2:39.40 NINA PIELSTICK 24	16:36.07 SHEILA TAORMINA 96
2:30.02 MONICA BULLARD 23	40.06 ALISSA GOWING 24	2:41.91 JULIE VEREMEY 24	16:36.07 SHEILA TAORMINA 27
2:34.25 MICHELLE BERGER 20	40.48 KERRY HENAULT 24	2:42.05 KERRY HENAULT 24	18:01.16 WENDY HIPSKIND 25
2:34.36 JUSTINE HANSEN 20	40.55 WINNY JAHN 24	2:44.95 NATALIE FERRELL 23	18:21.68 DONNA JOHNSON 29
400 M. FREE WOMEN 19-24	41.04 TERESA MAGNUS 19	2:45.15 SHIRLEY BOYD 23	18:43.78 BRIDGET ROBBINS 26
4:43.50 LISA DIAL 92	41.40 REBECCA FRAYNE 24	2:45.92 MARGARET CALFEE 24	18:54.97 NANCY NORTH 28
4:56.56 JULIE NOSKOWIAK 24	100 M. BRST WOMEN 19-24	2:46.82 JILL MURANY 22	19:32.22 GILLIAN FUCIGNA 28
5:03.60 C.RADCLIFF 22	1:08.89 BEATA KASZUBA 95	2:47.89 ROBIN KRACKER 22	20:10.74 ANN HILL 27
5:05.32 MARGO LYNCH 24	1:21.11 GRETCHEN HURLEY 23	400 M. I.M. WOMEN 19-24	20:17.65 KAREN LEAHY 28
5:10.01 ROBIN KRACKER 22	1:22.09 MONICA BULLARD 23	5:12.14 N WUNDERLICH 95	20:28.54 F.CRANNELL 28
5:13.19 JILL MURANY 22	1:22.48 BRETT BAGSHAW 24	5:32.25 JULIE VEREMEY 24	21:29.62 DEANNA KOEHLER 27
5:14.76 IVANOVA FEBRES 21	1:22.71 C.RADCLIFF 22	5:51.21 ERIN CAMPBELL 23	50 M. BACK WOMEN 25-29
5:19.55 MERILEE ROBINSON 22	1:24.57 PENNY GUERRA 24	6:00.33 MICHELLE BERGER 20	30.63 DIANE GRANER 89
5:21.36 ERIN CAMPBELL 23	1:24.77 GENEVIEVE BRACKEN 24	50 M. FREE WOMEN 25-29	32.99 BRIDGET ROBBINS 26
5:22.86 MONICA BULLARD 23	1:27.01 ERIN CAMPBELL 23	26.64 DYNE BURRELL 96	33.99 LARA BIGLEY 28
5:23.68 CAROLYN REUTER 24	1:27.05 TERESA MAGNUS 19	26.64 DYNE BURRELL 29	34.87 E.SARKAUSKAITE 28
800 M. FREE WOMEN 19-24	1:27.23 MERYEM TANGOREN 24	27.13 SHARON SCOTT 25	35.12 AIMEE WALLACE 25
9:49.66 LAURA ANTONIETTA 94	1:27.80 ELIZA BARCUS 22	27.64 CINDY UNRUH 26	35.56 C.KANAZAWA 29
10:14.32 MARGO LYNCH 24	200 M. BRST WOMEN 19-24	28.20 BRIDGET ROBBINS 26	35.58 BARBARA CLIFFORD 29
10:15.24 C.RADCLIFF 22	2:44.74 LOUISE KEOGH 93	28.50 AMY TOMPKINS 25	35.86 LINDA CLARK 28
11:10.25 LINDA NIWA 22	2:54.43 C.RADCLIFF 22	28.57 JAMIE RAAB 26	36.21 LAURINE CYR 27
11:19.10 BRENDA MAILLOUX 24	2:55.84 MONICA BULLARD 23	28.84 LOUISE MARTIN 27	36.30 KIM LITEL 26
11:25.09 PENNY GUERRA 24	3:01.92 ERIN CAMPBELL 23	28.91 VIRGINIA MORETTO 27	36.31 JODI RAMSBOTTOM 26
11:46.81 MERYEM TANGOREN 24	3:07.83 JILL MURANY 22	28.92 K GMYTRASIEWICZ 29	100 M. BACK WOMEN 25-29
13:06.15 KAY RIVERA 23	3:08.87 MICHELLE BERGER 20	29.05 LEIGH METCALF 25	1:04.66 DIANE GRANER 89
13:55.20 MESHELLE MILLIMAN 23	3:12.21 MERYEM TANGOREN 24	29.05 TRISHA SCHWERZLER 29	1:08.94 BRIDGET ROBBINS 26
14:16.50 DANA FRANKS 23	3:12.79 TERESA MAGNUS 19	100 M. FREE WOMEN 25-29	1:09.30 SHARON SCOTT 25
19:48.52 JENNIFER THOMPSON 24	3:14.72 ROBIN KRACKER 22	56.30 SHEILA TAORMINA 96	1:11.73 CINDY UNRUH 26
1500 M. FREE WOMEN 19-24	3:39.44 JENNIFER TUCKER 24	56.30 SHEILA TAORMINA 27	1:12.68 DYNE BURRELL 29
18:54.01 KRISTIN HENSON 90	3:42.61 LESLIE BROTTERS 20	57.92 DYNE BURRELL 29	1:12.99 TERI ELLIS 28
19:17.70 MARGO LYNCH 24	50 M. FLY WOMEN 19-24	1:00.07 SHARON SCOTT 25	1:13.28 ELLEN BAIRD 26
20:02.74 NINA PIELSTICK 24	28.84 JAMIE RAAB 94	1:00.94 SUSIE DEVLIN 29	1:13.40 E.SARKAUSKAITE 28
27:07.74 DANA FRANKS 23	32.69 NATALIE FERRELL 23	1:01.92 BRIDGET ROBBINS 26	1:14.79 HEIDI SCHWARTZ 25
50 M. BACK WOMEN 19-24	32.75 ROBIN KRACKER 22	1:03.01 JAMIE RAAB 26	1:15.02 LORI VIANCOURT 25
30.86 KYM HUCAL 94	32.77 M ROBINSON 24	1:03.89 AMY TOMPKINS 25	1:15.30 LARA BIGLEY 28
32.87 JERI RAMSBOTTOM 24	33.35 SHIRLEY BOYD 23	1:04.23 NANCY NORTH 28	200 M. BACK WOMEN 25-29
33.78 JOY KRAUSE 21	33.37 HEATHER MILLER 22	1:04.61 RACHEL BERKOWITZ 25	2:20.66 DIANE GRANER 89
34.46 KRISTA SPONENBERG 23	33.49 DENISE LUNDQUIST 24	1:04.83 K GMYTRASIEWICZ 29	2:30.34 DYNE BURRELL 29
34.69 CHERYL AUTTUBATO 23	33.62 BRETT BAGSHAW 24	200 M. FREE WOMEN 25-29	2:31.46 BRIDGET ROBBINS 26
35.51 IVANOVA FEBRES 21	33.67 JULIE VEREMEY 24	1:59.78 SHEILA TAORMINA 96	2:35.12 E.SARKAUSKAITE 28
35.55 SHIRLEY BOYD 23	33.78 SARAH KING 21	1:59.78 SHEILA TAORMINA 27	2:39.19 TERI ELLIS 28
35.82 REBECCA FRAYNE 24	33.79 BRENDA CLARK 24	2:09.69 DYNE BURRELL 29	2:39.36 LARA BIGLEY 28
35.88 PENNY GUERRA 24	100 M. FLY WOMEN 19-24	2:13.07 JENNIFER RIDGE 27	2:41.03 DONNA JOHNSON 29

TOP TEN - SHORT COURSE METERS

2:41.21 RACHEL BERKOWITZ 25	3:01.15 JACQUALINE WRIGHT 28	4:22.70 K PIPES-NEILSEN 34	38.71 KATHLEEN SCHWARTZ 30
2:42.21 RACHAEL WALTON 26	100 M. I.M. WOMEN 25-29	4:44.97 DEBORAH ZIMIC 34	38.79 JULIE ZAPPONE 31
2:42.42 HEATHER O'BRIEN 25	1:08.16 BETH O'CONNOR 88	4:49.09 MARGARET KELLER 32	39.21 MARY-FRAN PERRONI 31
2:44.39 NANCY NORTH 28	1:10.18 JENNIFER RIDGE 27	4:51.45 GINA GATTI 33	39.28 CHERYL BARANY 32
50 M. BRST WOMEN 25-29	1:10.41 SHARON SCOTT 25	4:56.76 MARCIA CLEVELAND 32	39.55 LIBBY LEEDS 30
32.20 TRACEY MIRANDE 95	1:11.84 LOUISE MARTIN 27	4:57.73 T.CHILDRESS-BROWN 32	39.75 LIESA BENN 31
35.63 LOUISE MARTIN 27	1:11.88 CINDY UNRUH 26	5:03.40 JOAN SCHRIGER 31	39.92 LISA FINFER 31
36.72 CHERYL CONLIN 27	1:13.13 CHERYL CONLIN 27	5:07.22 LORNA CIALDELLA 32	100 M. BRST WOMEN 30-34
37.02 SHARON SCOTT 25	1:13.62 TERI ELLIS 28	5:08.92 PENNY BATES 34	1:15.85 K PIPES-NEILSEN 96
37.32 L.ANN BLESSING 27	1:13.66 JILL VAN AUKEN 27	5:12.42 CATHERINE SUITOR 32	1:15.85 K PIPES-NEILSEN 34
37.50 THERESE KOMINSKI 28	1:13.87 ELLEN BAIRD 26	800 M. FREE WOMEN 30-34	1:23.72 CAROLYN KOSTER 34
38.09 JILL VAN AUKEN 27	1:14.24 NANCY NORTH 28	9:08.34 K PIPES-NEILSEN 96	1:24.66 CHERYL BARANY 32
38.13 ELLEN BAIRD 27	1:14.48 LORI VIANCOURT 25	9:08.34 K.PIPES-NEILSEN 34	1:25.00 LISA FINFER 31
38.57 HEATHER HORNE 25	200 M. I.M. WOMEN 25-29	10:36.39 LISA SHEEPER 32	1:25.11 LIESA BENN 31
38.77 KATHY WAGGONER 29	2:24.07 DIANE GRANER 89	10:39.41 GLORIA NEMET 32	1:25.78 LESLIE OCHS 32
38.93 GENEVE EHINGER 28	2:29.46 JENNIFER RIDGE 27	10:50.12 IRENA SUMBERA 33	1:26.11 JULIE ZAPPONE 31
100 M. BRST WOMEN 25-29	2:33.84 ELLEN BAIRD 27	10:58.78 MARY-F PERRONI 30	1:26.40 JILL LEMONE 30
1:14.82 TRACY MCFARLANE 91	2:37.50 LOUISE MARTIN 27	11:03.74 VICKI WEBSTER 34	1:28.22 LIBBY LEEDS 30
1:19.03 LAUREL HILL 27	2:38.38 MARY RYAN 25	11:05.04 JAN SUCHOMSKI 32	1:29.62 GLORIA NEMET 32
1:19.19 CHERYL CONLIN 27	2:39.03 CHANDRA HAISLET 27	11:05.60 MARCIA CLEVELAND 32	200 M. BRST WOMEN 30-34
1:20.72 L.ANN BLESSING 27	2:39.67 RACHEL BERKOWITZ 25	11:15.57 REBECCA JACKMAN 33	2:46.47 K PIPES-NEILSEN 96
1:22.44 CHANDRA HAISLET 27	2:40.32 DONNA JOHNSON 29	11:30.55 ANDREA KIRSCH 33	2:46.47 K PIPES-NEILSEN 34
1:22.45 JULIE AHRENDT 26	2:40.75 SUSAN LEUPOLD 26	1500 M. FREE WOMEN 30-34	2:56.15 MAUD ORLANDO 33
1:24.14 JILL VAN AUKEN 27	2:40.92 NANCY NORTH 28	17:23.60 KAREN BURTON 94	2:58.24 JENNIFER LUNDMARK 30
1:24.16 SHEILA WALSH 26	2:42.09 JILL VAN AUKEN 27	18:21.25 DIANNE GLEASON 31	3:00.18 JILL LEMONE 30
1:24.90 LORI VIANCOURT 25	400 M. I.M. WOMEN 25-29	18:39.36 DEBORAH ZIMIC 34	3:00.35 LUCILLE GLASSMAN 33
1:25.32 KATHY WAGGONER 29	5:12.72 LAUREEN WELTING 95	19:06.54 MARCIA CLEVELAND 32	3:06.38 PENNY BATES 34
1:25.37 KIM SCHULZE 26	5:23.08 JENNIFER RIDGE 27	19:14.45 ELIZABETH HEWSON 32	3:08.12 LISA FINFER 31
200 M. BRST WOMEN 25-29	5:30.07 MARY RYAN 25	20:39.35 MARY-F PERRONI 30	3:10.93 GLORIA NEMET 32
2:40.90 LOUISE KEOGH 94	5:30.62 BETHANY WILLISTON 25	20:42.36 VICKI WEBSTER 34	3:11.51 LIBBY LEEDS 30
2:49.07 LOUISE MARTIN 27	5:39.65 NANCY NORTH 28	20:43.23 IRENA SUMBERA 33	3:15.49 ANNA RAY 33
2:50.62 JENNIFER RIDGE 27	5:44.80 L.ANN BLESSING 27	21:21.83 JAN SUCHOMSKI 32	50 M. FLY WOMEN 30-34
2:53.40 L.ANN BLESSING 27	5:46.00 SHAUNA SIMPSON 25	21:23.60 REBECCA JACKMAN 33	29.20 D GRANER GALLAS 96
2:53.44 CHERYL CONLIN 27	5:49.74 EMILY WATTS 29	21:53.74 DONNA ANDERSON 30	29.20 D GRANER-GALLAS 32
2:56.11 BETHANY WILLISTON 25	5:51.06 SHEILA WALSH 26	50 M. BACK WOMEN 30-34	29.40 K PIPES-NEILSEN 34
2:58.32 JILL VAN AUKEN 27	5:54.45 KIRSTEN PURSELL 28	30.14 D.GRANER GALLAS 96	30.96 VICKY DAVIDSON 31
2:59.15 SHEILA WALSH 26	5:56.19 LARA BIGLEY 28	30.14 D GRANER-GALLAS 32	31.02 MARY MUETING 31
2:59.65 JULIE AHRENDT 26	50 M. FREE WOMEN 30-34	30.41 K PIPES-NEILSEN 34	31.17 SUSAN MENDEZ 34
3:02.94 VIRGINIA MORETTO 27	26.46 ANNA PETTIS-SCOTT93	32.94 ANDREA DEVUONO 34	31.59 MIDI HANSEN 30
3:03.56 ELLEN SOMMERLAD 25	27.42 K PIPES-NEILSEN 34	33.47 MIDI HANSEN 30	31.73 MICHELLE HOJNACKI 30
50 M. FLY WOMEN 25-29	28.19 MARY MUETING 31	34.25 JOAN SCHRIGER 31	31.97 CARA JOY LOCKMAN 31
28.68 SHEILA TAORMINA 96	28.34 VICKY DAVIDSON 31	34.64 KATHY LYNCH 31	32.35 BARB THRASHER 31
28.68 SHEILA TAORMINA 27	28.99 GINA GATTI 33	34.75 LORNA CIALDELLA 32	32.36 MARY ANDERS 33
30.06 SUSAN LEUPOLD 26	29.22 KATHY LYNCH 31	35.09 KIMBERLY SMITH 32	100 M. FLY WOMEN 30-34
30.53 JAMIE RAAB 26	29.24 LIESA BENN 31	35.43 WENDY BLACKBURN 33	1:03.80 K PIPES-NEILSEN 96
31.31 BRIDGET ROBBINS 26	29.31 MINDY MCLOUGHLIN 32	35.60 NORDINE MATAYA 31	1:03.80 K PIPES-NEILSEN 34
31.69 TRISHA SCHWERZLER 29	29.33 MIDI HANSEN 30	100 M. BACK WOMEN 30-34	1:05.35 D GRANER-GALLAS 32
31.70 SUSIE DEVLIN 29	29.65 BARB THRASHER 31	1:03.36 K PIPES-NEILSEN 96	1:10.34 SUSAN MENDEZ 34
32.01 ELLEN BAIRD 26	29.69 KAREN ANDREWS 34	1:03.36 K.PIPES-NEILSEN 34	1:10.93 CHERYL BARANY 32
32.27 C.KANAZAWA 29	100 M. FREE WOMEN 30-34	1:04.16 D GRANER-GALLAS 32	1:11.35 DEBORAH ZIMIC 34
32.38 NANCY NORTH 28	57.35 S. NEILSON-BELL 88	1:09.86 ANDREA DEVUONO 34	1:11.74 KRISTEN CORBETT 30
32.59 MARY RYAN 25	58.07 K PIPES-NEILSEN 34	1:10.50 VICKY DAVIDSON 31	1:12.99 CAROLYN GRAVES 31
100 M. FLY WOMEN 25-29	1:00.90 MARY MUETING 31	1:12.36 MIDI HANSEN 30	1:14.55 LORNA CIALDELLA 32
1:01.33 SHEILA TAORMINA 96	1:01.73 VICKY DAVIDSON 31	1:14.02 LORNA CIALDELLA 32	1:14.62 BARB THRASHER 30
1:01.33 SHEILA TAORMINA 27	1:03.39 MARGARET KELLER 32	1:14.79 KATHY LYNCH 31	1:14.76 NORDINE MATAYA 31
1:06.63 SUSAN LEUPOLD 26	1:04.24 LIESA BENN 31	1:16.97 ANNA RAY 33	200 M. FLY WOMEN 30-34
1:08.17 CINDY UNRUH 26	1:04.39 MINDY MCLOUGHLIN 32	1:17.54 BETH HOWARD 30	2:19.64 K PIPES-NEILSEN 96
1:08.29 JAMIE RAAB 26	1:04.81 KATHY LYNCH 31	1:18.33 T.CHILDRESS-BROWN 32	2:19.64 K PIPES-NEILSEN 34
1:08.97 LEIGH METCALF 25	1:05.06 SUSAN MENDEZ 34	200 M. BACK WOMEN 30-34	2:37.74 CHERYL BARANY 32
1:08.98 JENNIFER RIDGE 27	1:05.45 KAREN ANDREWS 34	2:13.51 K PIPES-NEILSEN 96	2:38.58 JILL LEMONE 30
1:09.28 COURTNEY CHUBB 26	1:06.26 LORNA CIALDELLA 32	2:13.51 K.PIPES-NEILSEN 34	2:39.23 SUSAN MENDEZ 34
1:09.34 BRIDGET ROBBINS 26	200 M. FREE WOMEN 30-34	2:19.60 D GRANER-GALLAS 32	2:39.84 ELIZABETH HEWSON 32
1:10.53 KAREN SCHOENHALS 28	2:04.64 K PIPES-NEILSEN 96	2:30.19 VICKY DAVIDSON 31	2:42.44 MARCIA CLEVELAND 32
1:10.88 NANCY NORTH 28	2:04.64 K PIPES-NEILSEN 34	2:31.41 ANDREA DEVUONO 34	2:49.06 AMY SOSNOWSKI 30
200 M. FLY WOMEN 25-29	2:14.64 DIANNE GLEASON 31	2:40.95 LUCILLE GLASSMAN 33	2:57.79 LISA SARTORI 31
2:28.67 KAREN BURTON 91	2:15.55 MARGARET KELLER 32	2:43.47 LORNA CIALDELLA 32	3:30.68 LILLIAN LATHROP 30
2:34.62 COURTNEY CHUBB 26	2:16.87 T.CHILDRESS-BROWN 32	2:44.60 JANE ROCKWELL 32	3:43.61 CHRISTE KUNCZINAM 31
2:37.05 NANCY NORTH 28	2:17.75 VICKY DAVIDSON 31	2:45.82 ANNA RAY 33	100 M. I.M. WOMEN 30-34
2:37.10 JAMIE RAAB 26	2:19.65 LIESA BENN 31	2:46.09 MARY ANDERS 33	1:05.16 K PIPES-NEILSEN 95
2:38.60 BRIDGET ROBBINS 26	2:23.31 BARB THRASHER 31	2:49.82 CAROLYN GRAVES 31	1:06.29 K PIPES-NEILSEN 34
2:40.39 DONNA JOHNSON 29	2:27.17 PENNY BATES 34	50 M. BRST WOMEN 30-34	1:13.13 MIDI HANSEN 30
2:41.05 MARY RYAN 25	2:28.28 KAREN ANDREWS 34	34.71 K PIPES-NEILSEN 96	1:13.15 CARA JOY LOCKMAN 31
2:42.90 MELANIE COSGROVE 26	2:28.30 BRENDA CRESWELL 34	34.71 K.PIPES-NEILSEN 34	1:13.25 KRISTEN CORBETT 30
2:46.79 KAREN SCHOENHALS 28	400 M. FREE WOMEN 30-34	37.28 MAUD ORLANDO 33	1:13.85 MARGARET KELLER 32
2:53.70 KIRSTEN PURSELL 28	4:22.70 K PIPES-NEILSEN 96	38.66 JENNIFER LUNDMARK 30	1:14.01 LORNA CIALDELLA 31

TOP TEN - SHORT COURSE METERS

1:14.08 SUSAN MENDEZ	34	5:18.42 LINDA LIPINSKI	37	1:21.39 SUSAN RICHMOND	35	2:44.44 MARY CURL	39
1:14.17 MARY ANDERS	33	800 M. FREE WOMEN 35-39		1:24.10 PASCALE ARBURY	36	2:44.74 NANCY ROSE	35
1:15.90 BARB THRASHER	30	9:24.81 BETH KNIGHT	94	1:24.52 LESLIE STANLEY	35	2:44.83 SUSAN RICHMOND	35
1:15.99 JANET HARRIS	31	9:42.93 SUZANNE HEIM	38	1:24.76 CAROL BADGER	36	2:47.16 MARILYN EARLY	38
200 M. I.M. WOMEN 30-34		9:59.20 MARGUERITE MEYER	37	1:26.10 COKIE LEPINSKI	37	2:48.04 MELINDA GREIG	39
2:18.79 K PIPES-NEILSEN	96	10:01.54 NANCY ROSE	35	1:26.27 S.MACLAREN-MEUER	37	2:49.05 MELINDA SCHMITT	37
2:18.79 K.PIPES-NEILSEN	34	10:27.78 LESLIE COOPER	35	1:27.09 MELINDA GREIG	39	2:49.70 PENNY BATES	35
2:33.84 DEBORAH ZIMIC	34	10:37.89 PENNY BATES	35	1:27.11 PAM DRAFTS	39	2:51.70 JILL SPRINGER	37
2:37.19 MARGARET KELLER	32	10:44.13 ALLISON RAAP	38	1:28.45 ABIGAL FALK	35	400 M. I.M. WOMEN 35-39	
2:38.78 CHERYL BARANY	32	11:07.79 MARGARET MILLER	36	1:28.61 SUSAN SHANNON	35	5:23.30 BETH KNIGHT	94
2:40.43 LORNA CIALDELLA	32	11:09.46 LINDA LIPINSKI	37	200 M. BRST WOMEN 35-39		5:42.48 NANCY ROSE	35
2:41.23 ANDREA DEVIJONO	34	11:09.46 LESLIE ULEN	39	2:50.93 LESLIE OSBORNE	89	5:50.96 CAROL BADGER	36
2:41.85 SUSAN MENDEZ	34	11:17.15 LESLIE STANLEY	35	2:54.90 SUSAN RICHMOND	35	5:53.04 SUSAN RICHMOND	35
2:45.70 MONICA BARRY	32	1500 M. FREE WOMEN 35-39		2:57.35 MAUREEN MENDOZA	35	5:57.37 PENNY BATES	35
2:46.54 VICKI WEBSTER	34	17:43.10 BETH KNIGHT	94	2:59.76 COKIE LEPINSKI	37	6:02.37 MARILYN EARLY	38
2:47.71 ROSEMARY STIFLER	32	19:52.56 LESLIE COOPER	35	3:00.12 EILEEN WALL	38	6:12.96 JOAN STARK	36
400 M. I.M. WOMEN 30-34		20:11.71 PENNY BATES	35	3:02.61 PASCALE ARBURY	36	6:15.28 MARGUERITE MEYER	37
4:53.85 K PIPES-NEILSEN	96	20:59.09 LESLIE STANLEY	35	3:02.77 KAREN MELICK	39	6:21.72 PAM BECK	39
4:53.85 K PIPES-NEILSEN	34	21:51.94 PAM BECK	39	3:04.57 LESLIE STANLEY	35	6:27.03 BARBARA HILL	37
5:21.05 DEBORAH ZIMIC	34	23:11.76 DONNA WILLIAMS	39	3:06.94 MELINDA GREIG	39	6:39.66 MAUREEN GILLESPIE	35
5:25.32 ANDREA DEVIJONO	34	23:15.60 LEESA BARNARD	38	3:09.80 MARY CURL	39	50 M. FREE WOMEN 40-44	
5:32.22 ELIZABETH MARESCA	30	23:30.10 JESSICA DUNN	36	3:10.69 LAURA KESSLER	35	26.66 S.NEILSON-BELL	96
5:34.98 CHERYL BARANY	32	23:31.53 CINDY MURPHY	36	50 M. FLY WOMEN 35-39		26.66 S.NEILSON-BELL	40
5:37.54 MARGARET KELLER	32	23:43.18 JOAN RIZZUTO	35	30.05 LAURA VAL	91	28.11 LAURA VAL	44
5:41.32 ELIZABETH HEWSON	32	23:50.26 RAE ELLEN DONOVAN	35	31.08 CATHY SHONKWILER	36	28.77 JANE ZIEGLER	42
5:41.66 JILL LEMONE	30	50 M. BACK WOMEN 35-39		31.22 BETH O'CONNOR	35	29.11 DANIELLE OGIER	44
5:41.89 LORNA CIALDELLA	32	32.50 LAURA VAL	91	31.35 TERRI NATALI	36	30.03 MARILYN FINK	42
5:42.95 SUSAN MENDEZ	34	33.17 CATHY SHONKWILER	36	31.53 CINDY WATTS	35	30.25 SALLY KARRASH	43
50 M. FREE WOMEN 35-39		33.88 BETH O'CONNOR	35	32.08 MCKEITHEN-BUSSEY	36	30.82 LISA BENNETT	40
26.13 S. NEILSON-BELL	95	34.37 CINDY WATTS	35	32.27 SUZANNE HEIM	38	31.18 WENDI SCHIELD	41
28.52 CATHY SHONKWILER	36	34.97 DEBBIE CAVANAUGH	38	32.66 KATHY REMILLARD	36	31.21 PATRICIA SARGEANT	42
28.56 MAUREEN MENDOZA	35	35.07 KAREN SING	39	32.85 LESLIE STANLEY	35	31.90 NAN WITCHER	41
28.96 PASCALE ARBURY	36	35.39 LESLIE ULEN	39	33.11 JILL SPRINGER	37	100 M. FREE WOMEN 40-44	
29.40 BETH O'CONNOR	35	35.95 WHITLEY GREENE	37	33.20 MARILYN EARLY	38	59.83 S.NEILSON-BELL	96
29.67 NANCY SERVO	35	36.79 JOAN AMBROSE	37	100 M. FLY WOMEN 35-39		59.83 S.NEILSON-BELL	40
29.73 SUZANNE HEIM	38	37.15 MARY CURL	39	1:07.28 MARIA VELIKONJA	93	1:01.76 LAURA VAL	44
29.92 MARILYN EARLY	38	37.49 CAROLE GOUGH	36	1:13.86 NANCY ROSE	35	1:02.92 JANE ZIEGLER	42
30.15 CAROLE GOUGH	36	100 M. BACK WOMEN 35-39		1:14.27 KATHY REMILLARD	36	1:03.35 DANIELLE OGIER	44
30.19 WHITLEY GREENE	37	1:12.14 LAURA VAL	91	1:14.29 SUZANNE HEIM	38	1:06.34 MARILYN FINK	41
30.26 PAM DRAFTS	39	1:14.13 CATHY SHONKWILER	36	1:14.46 MARGARET MILLER	36	1:10.22 PATRICIA SARGEANT	42
100 M. FREE WOMEN 35-39		1:17.55 ANDREA NAUTA	37	1:16.78 MARILYN EARLY	38	1:10.38 N.STEADMAN-MARTIN	42
57.71 S. NEILSON-BELL	94	1:17.95 DEBBIE CAVANAUGH	38	1:16.83 MARISA JOHNSON	38	1:11.82 KATIE MCNAMARA	41
1:02.67 CATHY SHONKWILER	36	1:18.37 KATHY REMILLARD	36	1:16.90 LESLIE ULEN	39	1:12.00 HELEN CANE	41
1:04.37 MCKEITHEN-BUSSEY	36	1:18.39 LESLIE ULEN	39	1:19.12 BRANNON-GUTHR	36	1:20.41 VIRGINIA LANGMUIR	44
1:04.98 BETH KNIGHT	36	1:18.59 PASCALE ARBURY	36	1:19.48 SUSAN RICHMOND	35	200 M. FREE WOMEN 40-44	
1:05.58 NANCY SERVO	35	1:18.63 LAURA KESSLER	36	1:19.73 BARBARA NICHOLS	39	2:14.14 LAURA VAL	95
1:06.26 CAROLE GOUGH	36	1:19.80 MELINDA GREIG	39	200 M. FLY WOMEN 35-39		2:16.07 LAURA VAL	44
1:06.83 LAURA KESSLER	36	1:20.01 SUSAN RICHMOND	35	2:28.96 LAURA VAL	91	2:17.89 DANIELLE OGIER	44
1:06.87 LESLIE STANLEY	35	1:20.15 JILL SPRINGER	37	2:43.12 NANCY ROSE	35	2:18.34 JANE ZIEGLER	42
1:06.98 KATHY REMILLARD	36	200 M. BACK WOMEN 35-39		2:55.50 PENNY BATES	35	2:33.97 BARBARA PROTZMAN	41
1:07.79 JULIE PAQUE	38	2:31.78 KATHERINE BRANCH	94	2:59.06 MCKEITHEN-BUSSEY	36	2:34.33 JOANNE WAINWRIGHT	41
1:08.10 PAM MARTIN	39	2:37.19 KATHERINE BRANCH	38	3:00.06 BRANNON-GUTHR	36	2:36.65 CATHY SCHULBACH	43
200 M. FREE WOMEN 35-39		2:46.36 PASCALE ARBURY	36	3:05.40 MARILYN EARLY	38	2:39.07 JULIE D'AMBROSIA	40
2:07.58 S. NEILSON-BELL	95	2:46.46 MARILYN EARLY	38	3:07.38 JULIE PAQUE	38	2:40.03 PAM GEIGER	43
2:19.54 BETH KNIGHT	36	2:50.77 DEBBIE CAVANAUGH	38	3:08.86 JOAN STARK	35	2:40.05 CHRIS KELLY	41
2:20.04 KATHERINE BRANCH	38	2:51.56 PENNY BATES	35	3:21.99 ANITA WALKER	38	2:43.46 KIMBERLY DEYER	40
2:20.15 CATHY SHONKWILER	36	2:52.00 JOAN STARK	35	3:23.14 PATTY DEVANNY	37	400 M. FREE WOMEN 40-44	
2:24.27 PAM MARTIN	39	2:53.88 MELINDA GREIG	39	3:29.30 LINDA LEICHLITER	35	4:42.94 LAURA VAL	95
2:24.36 MARILYN EARLY	38	3:00.04 EILEEN WALL	38	100 M. I.M. WOMEN 35-39		4:58.88 NANCY FISHER	44
2:24.86 NANCY ROSE	35	3:00.22 KAREN SING	39	1:08.15 S. NEILSON-BELL	92	5:04.96 KAREN FARNSWORTH	40
2:26.33 LAURA KESSLER	36	3:02.07 LINDA LIPINSKI	37	1:11.93 BETH O'CONNOR	35	5:20.48 CATHY SCHULBACH	43
2:26.53 CAROLE GOUGH	36	50 M. BRST WOMEN 35-39		1:14.95 CAROL BADGER	36	5:22.57 N.STEADMAN-MARTIN	42
2:27.65 LESLIE COOPER	35	34.63 LESLIE OSBORNE	89	1:16.50 SUSAN RICHMOND	35	5:24.27 BARBARA PROTZMAN	42
2:28.36 NANCY SERVO	35	37.34 SUSAN RICHMOND	35	1:17.14 LESLIE STANLEY	35	5:33.76 CHERYL FITZGERALD	44
400 M. FREE WOMEN 35-39		37.57 MAUREEN MENDOZA	35	1:17.28 LAURA KESSLER	36	5:36.00 PAM GEIGER	43
4:33.17 BETH KNIGHT	94	38.20 KAREN MELICK	39	1:17.64 NANCY SERVO	35	5:39.06 ELIN ZANDER	41
4:46.81 BETH KNIGHT	36	38.88 EILEEN WALL	38	1:18.37 KAREN SING	39	5:42.30 JULIE D'AMBROSIA	40
4:54.94 NANCY ROSE	35	38.97 PASCALE ARBURY	36	1:18.41 MARILYN EARLY	38	5:46.51 MARIAH NELSON	40
4:56.90 CATHY SHONKWILER	36	39.52 COKIE LEPINSKI	37	1:18.53 COKIE LEPINSKI	37	800 M. FREE WOMEN 40-44	
5:05.89 LESLIE COOPER	35	39.59 LESLIE STANLEY	35	1:18.67 PAM DRAFTS	39	10:03.82 DANIELLE OGIER	96
5:07.77 MARILYN EARLY	38	39.82 CAROL BADGER	36	1:18.67 DEBBIE CAVANAUGH	38	10:03.82 DANIELLE OGIER	44
5:13.56 ALLISON RAPP	38	40.06 NANCY SERVO	35	200 M. I.M. WOMEN 35-39		10:35.61 KAREN FARNSWORTH	40
5:14.62 LESLIE STANLEY	35	40.38 PAM DRAFTS	39	2:29.95 S. NEILSON-BELL	95	10:56.98 CATHY SCHULBACH	43
5:16.76 ANDREA NAUTA	37	100 M. BRST WOMEN 35-39		2:39.19 TERRI NATALI	36	11:17.42 SHERRY KITTRELL	44
5:17.73 WANDA BROWN	39	1:16.70 LESLIE OSBORNE	89	2:43.49 CAROL BADGER	36	11:20.36 JOANNE WAINWRIGHT	41

TOP TEN - SHORT COURSE METERS

11:25.40	JOANNE BOWSER	42	3:04.24	GAIL RICE	40	6:08.77	JOANNE WAINWRIGHT	41	22:39.09	PHYLLIS SPRINGER	47
11:30.80	ANDRA JAUNZEME	42	3:05.07	ANDRA JAUNZEME	42	6:20.58	BARBARA PROTZMAN	42	25:17.34	LYN LEMAIRE	45
11:41.37	NAN WITCHER	41	3:14.20	MANDY SHUMAKER	40	6:26.10	CHERYL FITZGERALD	44	25:25.40	SUSAN TYLER	48
11:45.14	ELIN ZANDER	42	3:14.86	CATHY SCHULBACH	43	6:40.30	PAM ALLEN	40	26:43.44	LOIS GOODMAN	49
11:52.66	KIMBERLY DEYER	40	3:16.92	PAM ALLEN	40	6:56.51	NANCY WILLIAMS	41	50 M. BACK WOMEN 45-49		
1500 M. FREE WOMEN 40-44			3:21.20	JOANNE WAINWRIGHT	41	7:06.18	PATRICIA ROBISON	41	34.71	CECILIA MCCLOSKEY	96
19:00.81	BARBARA DUNBAR	90	3:22.94	ELIN ZANDER	42	7:08.61	JESSICA SEATON	43	33.98	NANCY FISHER	45NV
19:56.69	DANIELLE OGIER	44	3:23.19	JESSICA SEATON	43	50 M. FREE WOMEN 45-49			34.71	CELILIA MCCLOSKEY	46
20:39.13	SHERRY KITTRELL	44	3:24.46	PATRICIA TIMMINS	42	30.05	NANCY RIDOUT	89	37.40	JAN PESAVENTO	45
22:02.63	ELIN ZANDER	41	3:28.96	ALMA GUIMARIN	42	29.66	NANCY FISHER	45NV	37.63	MIMI FRANK	49
22:42.59	JEAN ORNELAS	42	50 M. FLY WOMEN 40-44		30.20	REGIN BRITTINGHAM	45	37.66	REGIN BRITTINGHAM	45	
22:56.70	DIANE ROTHENBERG	43	30.17	LAURA VAL	95	31.45	CYNTHIA JONES	46	38.78	JEANNIE MITCHELL	49
22:59.22	PATRICIA ROBISON	41	30.50	LAURA VAL	44	31.46	F.WILLIAMSON	48	40.55	KATHRINE CASEY	47
50 M. BACK WOMEN 40-44			32.35	MELINDA MANN	40	31.76	COLNY TUCKER	45	41.07	JUDY LEE	46
31.55	LAURA VAL	93	33.22	CAROL PFLUGHEBER	42	31.84	BARBARA DUNBAR	47	41.20	VICKI SERIANNI	45
32.39	LAURA VAL	44	33.91	BONNIE ADAIR	44	32.01	CELESTE MILLER	46	41.46	MARCIA BARRY	48
33.11	NANCY FISHER	44	34.13	WENDI SCHIELD	41	32.62	DEBBIE BRADBURY	45	100 M. BACK WOMEN 45-49		
33.14	JANE ZIEGLER	42	34.36	CYNTHIA MALTRY	41	32.79	LINDA MCHENRY	49	1:12.89	CECILIA MCCLOSKEY	96
35.20	ANN GUINS	43	34.68	PATRICIA SARGEANT	42	32.80	ANN LYTTLE	48	1:12.89	CELILIA MCCLOSKEY	46
35.51	CAROL PFLUGHEBER	42	34.82	LISA BENNETT	40	100 M. FREE WOMEN 45-49			1:14.65	NANCY FISHER	45
35.54	KAREN FARNSWORTH	40	35.25	BARBARA PROTZMAN	42	1:06.25	NANCY FISHER	96	1:18.86	JAN PESAVENTO	45
35.58	DANIELLE OGIER	44	35.81	MARILYN FINK	42	1:06.25	NANCY FISHER	45	1:24.28	MIMI FRANK	49
36.91	MARILYN FINK	42	100 M. FLY WOMEN 40-44		1:07.63	BARBARA DUNBAR	47	1:24.42	JEANNIE MITCHELL	49	
37.14	CYNTHIA MALTRY	41	1:06.86	LAURA VAL	93	1:08.07	CELESTE MILLER	46	1:26.64	KATHRINE CASEY	47
37.55	CHERI PRICE	43	1:07.80	LAURA VAL	44	1:08.78	P.KAWAKAMI	46	1:27.91	CHRISTINE ZIMMET	48
100 M. BACK WOMEN 40-44			1:19.55	BARBARA PROTZMAN	41	1:09.36	F.WILLIAMSON	48	1:30.68	R.BRITTINGHAM	45
1:10.45	LAURA VAL	95	1:20.25	CHRISTIE CIRAULO	43	1:09.75	REGIN BRITTINGHAM	45	1:31.20	MARCIA BARRY	48
1:10.76	LAURA VAL	44	1:25.40	DALE WILLIAMS	44	1:12.02	CYNTHIA JONES	46	1:32.88	CHRIS WEBER	48
1:11.09	JANE ZIEGLER	42	1:26.46	SHERRY KITTRELL	44	1:12.09	COLNY TUCKER	45	200 M. BACK WOMEN 45-49		
1:12.92	NANCY FISHER	44	1:29.56	VIRGINIA LANGMUIR	44	1:13.25	MARCIA BARRY	48	2:40.54	NANCY FISHER	96
1:15.12	KAREN FARNSWORTH	40	1:31.72	PAM ALLEN	40	1:13.26	DEBBIE BRADBURY	45	2:40.54	NANCY FISHER	45
1:19.01	MARILYN FINK	42	1:32.97	MARGARET HAIR	40	200 M. FREE WOMEN 45-49			2:40.81	CELILIA MCCLOSKEY	46
1:20.26	ANN GUINS	42	1:32.99	JEAN ORNELAS	42	2:22.24	BARBARA DUNBAR	94	2:55.11	JAN PESAVENTO	45
1:20.51	N.STEADMAN-MARTIN	42	1:33.24	MARY-CHRIS KAY	42	2:24.46	NANCY FISHER	45	3:02.48	JEANNIE MITCHELL	49
1:24.62	MELISSA RINKER	41	200 M. FLY WOMEN 40-44		2:25.07	BARBARA DUNBAR	47	3:02.51	KATHRINE CASEY	47	
1:26.44	CAROL RESTREPO	40	2:29.19	LAURA VAL	93	2:33.52	F.WILLIAMSON	48	3:09.05	JUDY LEE	46
1:26.90	KATRYN JAMES	40	2:43.39	GAIL RICE	40	2:36.40	ANN LYTTLE	48	3:09.92	R.BRITTINGHAM	45
200 M. BACK WOMEN 40-44			2:52.90	JOANNE WAINWRIGHT	41	2:37.09	CYNTHIA JONES	46	3:11.33	CHRIS WEBER	48
2:34.04	LAURA VAL	95	2:57.61	JULIE D'AMBROSIA	40	2:37.70	DEBBIE BRADBURY	45	3:13.86	KRISTINA KING	48
2:34.69	JANE ZIEGLER	42	2:58.65	N.STEADMAN-MARTIN	42	2:39.56	MARCIA BARRY	48	3:14.01	PHYLLIS SPRINGER	47
2:37.35	NANCY FISHER	44	3:05.11	BARBARA PROTZMAN	42	2:40.97	KRISTINA KING	48	50 M. BRST WOMEN 45-49		
2:42.52	KAREN FARNSWORTH	40	3:09.39	CHERYL FITZGERALD	44	2:48.54	VIKI ALTOMONTE	45	38.12	A.WRIGHT-BELKNAT	96
2:58.94	MARILYN FINK	42	3:14.19	CHRISTIE CIRAULO	43	2:49.80	KATHRINE CASEY	48	38.12	A.WRIGHT-BELKNAP	46
3:03.47	ANN GUINS	43	3:23.12	MARGARET HAIR	41	400 M. FREE WOMEN 45-49			39.02	GINGER PIERSON	49
3:11.02	NANCY SURDOVAL	43	3:30.02	ELIN ZANDER	41	4:56.49	BARBARA DUNBAR	94	41.55	JAN PESAVENTO	45
3:13.32	LISA WATSON	42	3:33.74	PATRICIA ROBISON	41	5:03.59	BARBARA DUNBAR	47	41.81	KATHRINE CASEY	47
3:16.80	RORIE ANDERSON	44	100 M. I.M. WOMEN 40-44		5:03.87	CELESTE MILLER	46	42.85	DALE BARNHARD	49	
3:16.90	ELIN ZANDER	41	1:11.65	LAURA VAL	92	5:20.98	P.KAWAKAMI	46	43.28	F.WILLIAMSON	48
3:17.50	CHERYL FITZGERALD	44	1:12.24	DANIELLE OGIER	44	5:30.10	MARCIA BARRY	48	43.34	STEPHANIE WALSH	46
50 M. BRST WOMEN 40-44			1:17.04	KAREN FARNSWORTH	40	5:31.48	F.WILLIAMSON	48	43.74	CANDY CHRISTENSON	49
37.21	LISA BENNETT	96	1:17.60	ANDRA JAUNZEME	42	5:32.22	CYNTHIA JONES	46	43.84	LESLIE TREAT	47
37.21	LISA BENNETT	40	1:18.06	MARILYN FINK	41	5:35.94	CATHY MANCINO	47	44.83	MIMI FRANK	49
37.88	MELINDA MANN	40	1:18.80	CYNTHIA MALTRY	41	5:38.47	REGIN BRITTINGHAM	45	100 M. BRST WOMEN 45-49		
37.98	DANIELLE OGIER	44	1:20.70	DIANE ROTHENBERG	43	5:39.59	KRISTINA KING	48	1:23.20	DEB WALKER	96
39.96	KATIE MCNAMARA	41	1:21.52	KATIE MCNAMARA	41	5:46.42	KATHRINE CASEY	48	1:23.20	DEB WALKER	45
41.26	JOANN HARRELSON	40	1:22.46	NAN WITCHER	41	800 M. FREE WOMEN 45-49			1:25.79	GINGER PIERSON	49
41.40	MARY GREGORIO	43	1:23.93	BARBARA PROTZMAN	42	10:09.82	BARBARA DUNBAR	96	1:27.37	A.WRIGHT-BELKNAP	46
42.12	CHERYL PLANTZ	42	1:24.23	K.NISLEY-BLACK	41	10:09.82	BARBARA DUNBAR	47	1:34.55	KATHRINE CASEY	47
42.27	MARY LIOTTA	44	200 M. I.M. WOMEN 40-44		10:23.31	CELESTE MILLER	46	1:35.73	F.WILLIAMSON	48	
42.28	K.NISLEY-BLACK	41	2:33.89	LAURA VAL	92	10:33.35	NANCY FISHER	45	1:35.79	LESLIE TREAT	48
42.47	MARILYN FINK	42	2:39.34	DANIELLE OGIER	44	11:08.80	P.KAWAKAMI	46	1:37.93	MARGOT PETTIJOHN	49
100 M. BRST WOMEN 40-44			2:44.10	KAREN FARNSWORTH	40	11:22.38	MARCIA BARRY	48	1:41.99	SUSAN ELLIS	49
1:21.44	JUDY TIBMA	96	2:49.64	MARILYN FINK	41	11:30.65	KRISTINA KING	48	1:42.57	MAGI HARRIS	49
1:21.44	JUDY TIBMA	40	2:55.82	CYNTHIA MALTRY	41	11:42.41	KATHRINE CASEY	48	1:43.99	VICKI SERIANNI	45
1:23.87	MELINDA MANN	40	2:57.98	BARBARA PROTZMAN	42	11:45.63	R.BRITTINGHAM	45	200 M. BRST WOMEN 45-49		
1:24.00	DANIELLE OGIER	44	3:01.09	JOANN HARRELSON	40	11:50.11	LUCY JOHNSON	49	3:03.73	GINGER PIERSON	95
1:24.45	LISA BENNETT	44	3:04.02	KIMBERLY DEYER	40	12:29.54	LAURA CALWELL	46	3:07.84	GINGER PIERSON	49
1:27.20	ANDRA JAUNZEME	42	3:06.26	MARGARET HAIR	40	1500 M. FREE WOMEN 45-49			3:17.38	STEPHANIE WALSH	46
1:28.90	KATIE MCNAMARA	41	3:08.23	PAM ALLEN	40	19:14.97	BARBARA DUNBAR	96	3:26.50	MARGOT PETTIJOHN	49
1:30.04	MARGARET HAIR	40	3:08.71	CHERYL FITZGERALD	44	19:14.97	BARBARA DUNBAR	47	3:37.14	MAGI HARRIS	49
1:30.73	CATHY SCHULBACH	43	400 M. I.M. WOMEN 40-44		19:37.99	NANCY FISHER	45	3:39.02	KATHRINE CASEY	48	
1:31.05	JOANN HARRELSON	40	5:32.53	LAURA VAL	92	21:02.87	P.KAWAKAMI	46	3:41.25	JANET SCHULTZ	45
1:31.58	CYNTHIA MALTRY	41	5:46.95	GAIL RICE	40	21:52.42	MARCIA BARRY	48	3:42.37	SUSAN CASE	47
200 M. BRST WOMEN 40-44			5:52.29	KAREN FARNSWORTH	40	22:18.28	KATHRINE CASEY	48	3:48.25	MARIE VELLUCCI	47
2:54.12	GAYLE BENTY	92	6:00.04	ANDRA JAUNZEME	42	22:32.88	REGIN BRITTINGHAM	45	3:49.79	MARGOT MANN	47

TOP TEN - SHORT COURSE METERS

3:51.47 MARY LOU HILL 48	31.09 CAROLYN BOAK 51	41.20 EVELYN HAUSBERGER 52	43.38 CRISTINE BLAKE 50
50 M. FLY WOMEN 45-49	31.99 NANCY RIDOUT 54	41.47 JENNIFER PARKS 52	43.80 TERRI FRANKLIN 50
32.30 R BRITTINGHAM 96	33.86 GINGER PIERSON 50	42.27 PINKY WALKER 53	44.43 EVELYN HAUSBERGER 52
32.30 R.BRITTINGHAM 45	34.67 EVELYN HAUSBERGER 52	43.88 SARAH TYLER 51	44.85 ANN ONTON 52
34.82 BARBARA DUNBAR 47	34.77 DIANA LEAKE 50	44.69 PAM ANDERSON 52	100 M. FLY WOMEN 50-54
35.86 STEPHANIE WALSH 46	35.07 ANN SVANSON 50	44.88 VIRGINIA NEUMAN 52	1:12.66 ARDETH MUELLER 91
35.87 COLNY TUCKER 45	36.94 SUSAN MEYERS 54	45.60 NELIA PECK 50	1:24.92 GINGER PIERSON 50
35.91 NANCY FISHER 45	38.14 ANN FREDETTE 51	100 M. BACK WOMEN 50-54	1:28.01 NANCY RIDOUT 54
36.52 SUSAN TYLER 48	38.15 VICKI BUCCINO 50	1:20.50 ARDETH MUELLER 91	1:29.08 B.EDELMAIER 50
37.50 CYNTHIA JONES 46	38.22 BONNIE KOTZBACH 52	1:24.53 BETTY BENNETT 53	1:38.32 MARY POHLMANN 51
37.78 CATHY MANCINO 47	100 M. FREE WOMEN 50-54	1:26.90 MARY POHLMANN 51	1:42.48 TERRI FRANKLIN 50
37.87 DEBBIE BRADBURY 45	1:06.41 ARDETH MUELLER 91	1:27.23 GINGER PIERSON 50	1:45.30 ANN ONTON 52
38.11 ANN LYTTLE 48	1:11.58 NANCY RIDOUT 54	1:30.63 JENNIFER PARKS 52	1:55.31 FREDRICKA RAPP 51
100 M. FLY WOMEN 45-49	1:12.92 SALLY DILLON 50	1:31.21 JANE KATZ 53	1:59.21 LYNNE DE VICTORIA 54
1:12.53 BARBARA DUNBAR 94	1:14.30 BETTY BENNETT 53	1:34.64 PINKY WALKER 53	2:07.74 KITTY JOHNSTON 54
1:15.78 BARBARA DUNBAR 47	1:18.14 B.EDELMAIER 50	1:35.39 FREDERICKA RAPP 51	2:08.94 BARBARA MCDOWELL 51
1:18.97 REGIN BRITTINGHAM 45	1:18.95 PAM ANDERSON 52	1:37.19 VIRGINIA NEUMAN 52	200 M. FLY WOMEN 50-54
1:19.41 STEPHANIE WALSH 46	1:20.06 DIANA LEAKE 50	1:37.54 CHRIS GILLIGAN 53	2:55.91 ARDETH MUELLER 95
1:20.71 CATHY MANCINO 47	1:21.73 VICKI BUCCINO 50	1:37.74 SARAH TYLER 51	3:07.04 GINGER PIERSON 50
1:25.40 SUSAN TYLER 48	1:26.06 FREDERICKA RAPP 51	200 M. BACK WOMEN 50-54	3:42.55 NANCY KRANPITZ 51
1:27.56 CATHERINE QUILL 46	1:26.14 BONNIE KOTZBACH 52	2:48.88 ARDETH MUELLER 91	3:43.81 TERRI FRANKLIN 50
1:28.38 JUDY LEE 46	1:26.42 AAGJE CARON 54	3:08.19 MARY POHLMANN 51	4:01.92 ANN ONTON 52
1:28.40 DEBBIE BRADBURY 45	200 M. FREE WOMEN 50-54	3:12.12 GINGER PIERSON 50	4:03.05 VICKI BUCCINO 50
1:29.12 CHRISTINE ZIMMET 48	2:28.85 ARDETH MUELLER 91	3:15.77 JENNIFER PARKS 52	4:16.17 FREDERICKA RAPP 51
1:32.83 SANDI ROUSSEAU 49	2:41.35 SALLY DILLON 50	3:27.03 PINKY WALKER 53	5:42.67 KITTY KESSLER 53
200 M. FLY WOMEN 45-49	2:44.80 SUZANNE DILLS 50	3:30.71 FREDERICKA RAPP 51	100 M. I.M. WOMEN 50-54
2:37.88 ARDETH MUELLER 87	2:46.09 BETTY BENNETT 53	3:30.82 CHRIS GILLIGAN 53	1:18.05 ARDETH MUELLER 91
2:42.39 BARBARA DUNBAR 47	2:47.16 MARY POHLMANN 51	3:35.46 SUZY CARLSON 54	1:18.30 CAROLYN BOAK 51
3:03.93 GINGER PIERSON 49	2:53.79 PAM ANDERSON 52	3:35.58 DIANA LEAKE 50	1:21.30 GINGER PIERSON 50
3:11.36 REGIN BRITTINGHAM 45	2:58.61 SARAH TYLER 51	3:39.64 ANN ONTON 52	1:26.03 BETTY BENNETT 53
3:12.15 CATHERINE QUILL 46	2:59.59 VICKI BUCCINO 50	3:47.11 TRISH LEWIS 51	1:29.07 SUZANNE DILLS 50
3:14.62 VIKI ALTOMONTE 45	3:03.80 FREDERICKA RAPP 51	50 M. BRST WOMEN 50-54	1:31.06 DIANA LEAKE 50
3:17.68 CHRISTINE ZIMMET 48	3:10.06 AAGJE CARON 54	39.24 CAROLYN BOAK 95	1:32.06 E.HAUSBERGER 52
3:29.23 BARBARA LARSEN 49	3:12.08 JANIT ROMAYKO 50	39.27 GINGER PIERSON 50	1:34.21 B.EDELMAIER 50
3:32.09 VICKI SERIANNI 45	400 M. FREE WOMEN 50-54	39.54 CAROLYN BOAK 51	1:34.73 PINKY WALKER 53
3:54.46 WINIFRED PRAIL 48	5:12.43 ARDETH MUELLER 91	43.62 SALLY DILLON 50	1:37.32 SARAH TYLER 51
3:56.97 AMY SEXSMITH 48	5:31.90 CAROLYN BOAK 51	44.92 DANIELA BARNEA 52	1:38.14 SUSAN MEYERS 54
100 M. I.M. WOMEN 45-49	5:39.31 SALLY DILLON 50	45.46 BETTY BENNETT 53	200 M. I.M. WOMEN 50-54
1:14.41 ARDETH MUELLER 87	5:40.46 SUZANNE DILLS 50	47.30 JANIT ROMAYKO 50	2:52.74 CAROLYN BOAK 96
1:16.29 CELILIA MCCLOSKEY 46	5:53.17 NANCY RIDOUT 54	47.78 SUZANNE DILLS 50	2:52.74 CAROLYN BOAK 51
1:19.03 CELESTE MILLER 46	6:00.07 MARY POHLMANN 51	48.19 JILL BEAL 50	3:02.30 GINGER PIERSON 50
1:20.94 JAN PESAVENTO 45	6:04.00 ANN SVANSON 50	48.60 J.VALLANDIGHAM 50	3:14.62 MARY POHLMANN 51
1:21.47 GINGER PIERSON 49	6:04.25 VICKI BUCCINO 50	48.65 JENNIFER PARKS 52	3:23.13 JANE KATZ 53
1:22.37 BARBARA DUNBAR 47	6:15.25 PAM ANDERSON 52	100 M. BRST WOMEN 50-54	3:28.40 PAM ANDERSON 52
1:22.53 STEPHANIE WALSH 46	6:18.76 SARAH TYLER 51	1:25.80 GINGER PIERSON 96	3:32.43 FREDERICKA RAPP 51
1:23.39 NANCY FISHER 45	6:26.30 JENNIFER PARKS 52	1:25.80 GINGER PIERSON 50	3:33.81 DANIELA BARNEA 52
1:24.29 ANN LYTTLE 48	800 M. FREE WOMEN 50-54	1:26.78 CAROLYN BOAK 51	3:39.29 VICKI BUCCINO 50
1:27.16 LINDA MARIZ 47	11:07.78 CAROLYN BOAK 96	1:40.16 DANIELA BARNEA 52	3:42.37 PEGGY LEONG 52
1:27.43 COLNY TUCKER 45	11:07.78 CAROLYN BOAK 51	1:41.62 BETTY BENNETT 53	3:47.23 ANN ONTON 52
200 M. I.M. WOMEN 45-49	11:42.70 SALLY DILLON 50	1:42.98 AAGJE CARON 54	400 M. I.M. WOMEN 50-54
2:42.88 ARDETH MUELLER 87	12:26.59 ANN SVANSON 50	1:45.25 PAMELA HIMSTREET 53	5:56.24 ARDETH MUELLER 91
2:45.79 CELILIA MCCLOSKEY 46	12:37.07 JANE KATZ 53	1:46.18 JANIT ROMAYKO 50	6:33.88 GINGER PIERSON 50
2:49.23 CELESTE MILLER 46	12:37.51 VICKI BUCCINO 50	1:47.23 JILL BEAL 50	7:01.15 MARY POHLMANN 51
2:51.45 BARBARA DUNBAR 47	12:38.28 MARY POHLMANN 51	1:48.00 FRANCESCA DRUM 54	7:19.53 PINKY WALKER 53
2:56.72 JAN PESAVENTO 45	13:20.02 SARAH TYLER 51	1:48.01 AMY JOHNSON 54	7:32.36 FREDERICKA RAPP 51
3:03.50 CATHY MANCINO 47	13:24.03 JENNIFER PARKS 52	200 M. BRST WOMEN 50-54	7:43.74 NANCY KRANPITZ 51
3:09.85 KATHRINE CASEY 48	13:32.47 DIANA LEAKE 50	3:08.06 GINGER PIERSON 96	7:47.60 TRISH LEWIS 51
3:11.79 CHRISTINE ZIMMET 48	13:35.36 FREDERICKA RAPP 51	3:08.06 GINGER PIERSON 50	8:01.33 ANN ONTON 53
3:12.01 SUSAN TYLER 48	1500 M. FREE WOMEN 50-54	3:28.46 DANIELA BARNEA 52	8:51.29 LYNNE DE VICTORIA 54
3:13.06 CHRIS WEBER 48	21:22.26 CAROLYN BOAK 95	3:34.79 SALLY DILLON 50	9:03.67 KITTY JOHNSTON 54
3:15.54 VICKI SERIANNI 45	21:45.43 SALLY DILLON 50	3:42.04 PAMELA HIMSTREET 53	10:17.44 KITTY KESSLER 53
400 M. I.M. WOMEN 45-49	23:52.59 VICKI BUCCINO 50	3:42.44 AAGJE CARON 54	50 M. FREE WOMEN 55-59
5:50.45 BARBARA DUNBAR 95	25:10.06 JENNIFER PARKS 52	3:45.11 JANIT ROMAYKO 50	30.37 ARDETH MUELLER 96
5:57.56 BARBARA DUNBAR 47	25:50.37 PAMELA HIMSTREET 53	3:48.25 FRANCESCA DRUM 54	30.37 ARDETH MUELLER 55
6:18.61 P.KAWAKAMI 46	26:16.35 BONNIE KOTZBACH 52	3:57.85 KATHLEEN SARG 53	36.18 SUSAN BRADLEY-COX 59
6:28.65 GINGER PIERSON 49	26:27.86 FREDERICKA RAPP 51	4:02.84 NANCY KRANPITZ 51	36.19 SALLY NEWELL 59
6:38.59 CHRIS WEBER 48	27:12.81 JEANNE ENSIGN 50	4:06.77 VICKI BUCCINO 50	36.22 MARGIE HEINEMAN 59
6:56.60 CHRISTINE ZIMMET 48	28:47.62 BARBARA MCDOWELL 51	50 M. FLY WOMEN 50-54	36.48 BARBARA ZAREMSKI 59
6:58.27 SUSAN TYLER 48	28:58.39 MARGARET CHARLTON 53	33.85 DIANA TODD 94	36.79 BETSY JORDAN 59
7:02.29 CANDACE LONG 46	29:48.67 EMILY TRUEBLOOD 54	36.52 GINGER PIERSON 50	37.92 LUNNE LUND 56
7:10.41 JACKLYN LITMAN 46	50 M. BACK WOMEN 50-54	36.63 NANCY RIDOUT 54	38.09 ANN MCDONNELL 58
7:27.86 VICKI SERIANNI 45	37.59 BETSY JORDAN 91	37.72 B.EDELMAIER 50	39.03 CEIL BLACKWELL 56
7:45.89 MARY LOU HILL 48	38.54 BETTY BENNETT 53	38.70 ANN SVANSON 50	39.38 MARILYN RAMEY 56
50 M. FREE WOMEN 50-54	40.08 GINGER PIERSON 50	41.73 ANN FREDETTE 51	100 M. FREE WOMEN 55-59
30.48 NANCY RIDOUT 92	40.95 MARY POHLMANN 51	41.82 PAM ANDERSON 52	1:11.63 JAYNE BRUNER 89

TOP TEN - SHORT COURSE METERS

1:21.16 BARBARA ZAREMSKI 59	1:41.77 SHIRLEY DACEY 59	2:55.05 ARDETH MUELLER 55	4:36.81 ELIZABETH PACKARD 62
1:22.02 SUSAN BRADLEY-COX 59	1:41.82 CEIL BLACKWELL 56	3:36.48 BETSY JORDAN 59	400 M. FREE WOMEN 60-64
1:23.61 BETSY JORDAN 59	1:41.87 BARBARA ZAREMSKI 59	3:40.34 SUSAN LIVINGSTON 57	5:38.06 LAVELLE STOINOFF 93
1:25.99 ANN MCDONNELL 57	1:43.98 MARILYN RAMEY 56	3:46.79 LYNNE LUND 56	5:58.09 LAVELLE STOINOFF 63
1:26.81 SALLY NEWELL 59	1:44.63 PATRICIA TULLMAN 59	3:59.35 BARBARA ZAREMSKI 59	6:11.14 NANCY BROWN 60
1:27.10 PATRICIA TULLMAN 59	1:45.03 SUSAN SPRINGER 58	4:17.06 PATRICIA TULLMAN 59	6:40.14 BEVERLY MYERS 61
1:30.48 MARILYN RAMEY 56	1:48.11 MARIAN COAKLEY 58	4:18.14 INGRID STINE 57	6:47.41 LIDA GASCHKE 64
1:30.49 SUE STRALY 59	200 M. BACK WOMEN 55-59	100 M. I.M. WOMEN 55-59	7:05.70 BARBARA CALLISON 63
1:31.12 SUSAN SPRINGER 58	3:00.66 BETSY JORDAN 92	1:24.19 JAYNE BRUNER 89	7:39.07 IDA SMITH 62
1:32.30 NANCI ROBINSON 56	3:08.28 BETSY JORDAN 59	1:29.64 BETSY JORDAN 59	7:46.77 JANET MOELLER 61
200 M. FREE WOMEN 55-59	3:30.39 LUNNE LUND 56	1:35.50 MARGIE HEINEMAN 59	8:00.53 JUDITH PULESTON 61
2:28.30 ARDETH MUELLER 96	3:37.14 CEIL BLACKWELL 56	1:35.73 LUNNE LUND 56	8:03.09 SHIRLEY BEHELER 62
2:28.30 ARDETH MUELLER 55	3:37.30 BARBARA ZAREMSKI 59	1:37.00 SUE STRALY 59	8:04.08 CHERYL CORBETT 64
2:58.79 SUSAN BRADLEY-COX 59	3:40.85 SHIRLEY DACEY 59	1:40.05 CEIL BLACKWELL 56	800 M. FREE WOMEN 60-64
2:59.87 BETSY JORDAN 59	3:42.32 ANN MCDONNELL 58	1:40.80 MARILYN RAMEY 56	11:30.55 LAVELLE STOINOFF 93
3:03.53 BARBARA ZAREMSKI 59	3:43.02 MARILYN RAMEY 56	1:40.91 TITA ARNOLD 55	12:46.00 NANCY BROWN 60
3:07.40 ANN MCDONNELL 57	3:43.35 PATRICIA TULLMAN 59	1:41.59 BARBARA ZAREMSKI 59	13:30.24 BEVERLY MYERS 60
3:12.94 SUE STRALY 59	3:44.14 SUSAN SPRINGER 58	1:51.32 MARY GIDLEY 59	15:32.88 ANN JOHNSEN 60
3:13.32 LUNNE LUND 56	3:53.23 SYLVIA GLENN 58	1:51.52 SYLVIA GLENN 58	16:20.31 NANCY WAITE 62
3:14.82 PATRICIA TULLMAN 59	50 M. BRST WOMEN 55-59	200 M. I.M. WOMEN 55-59	17:24.18 MARIANNE BROGAN 61
3:15.37 SHIRLEY DACEY 59	40.69 JAYNE BRUNER 91	3:05.53 BETSY JORDAN 92	17:32.90 SUE LACOMB 60
3:22.18 MARIE MAINVILLE 55	43.22 JOANN LEILICH 57	3:18.18 BETSY JORDAN 59	17:49.97 JOHANNA MOORE 61
400 M. FREE WOMEN 55-59	45.65 SALLY NEWELL 59	3:33.21 LUNNE LUND 56	17:57.89 ELFRIEDE LEHTO 63
5:15.91 ARDETH MUELLER 96	46.57 ILONA SIKE 55	3:34.36 BARBARA ZAREMSKI 59	19:27.91 TRISH HUNTER 62
5:15.91 ARDETH MUELLER 55	47.68 TITA ARNOLD 55	3:38.30 CEIL BLACKWELL 56	19:57.32 MARY WILLIAMS 64
6:02.86 BETSY JORDAN 59	47.96 SIGRID EWERS 56	3:43.85 ELIZABETH JOHNSON 57	1500 M. FREE WOMEN 60-64
6:11.55 SUSAN BRADLEY-COX 59	48.46 BETSY JORDAN 59	3:44.77 MARILYN RAMEY 56	22:54.51 LAVELLE STOINOFF 94
6:33.56 SANDRA KINGDON 57	49.29 MARILYN RAMEY 56	3:55.73 PATRICIA TULLMAN 59	29:47.55 JANET MOELLER 61
6:46.13 MARIE MAINVILLE 55	50.64 CEIL BLACKWELL 56	3:56.12 SYLVIA GLENN 58	30:02.69 MARIE MULCAHY 61
6:47.08 PATRICIA TULLMAN 59	51.06 BARBARA ZAREMSKI 59	4:10.28 PATRICIA ARNOLD 57	31:14.53 NANCY WAITE 62
6:50.08 SUSAN SPRINGER 58	54.72 MARIAN COAKLEY 58	400 M. I.M. WOMEN 55-59	32:55.78 MARIANNE BROGAN 61
6:56.58 ELIZABETH JOHNSON 57	100 M. BRST WOMEN 55-59	6:39.90 BETSY JORDAN 92	34:01.34 ELFRIEDE LEHTO 63
6:56.94 SYLVIA GLENN 58	1:29.88 JOANN LEILICH 94	7:10.46 BETSY JORDAN 59	39:01.07 TRISH HUNTER 62
7:01.13 SHIRLEY DACEY 59	1:34.67 JOANN LEILICH 57	7:27.36 BARBARA ZAREMSKI 59	50 M. BACK WOMEN 60-64
800 M. FREE WOMEN 55-59	1:40.25 ILONA SIKE 55	7:28.17 LYNNE LUND 56	39.60 CLARA WALKER 89
11:29.99 LAVELLE STOINOFF 89	1:41.00 SALLY NEWELL 59	7:47.60 ELIZABETH JOHNSON 57	43.52 ANN CHAMP 61
12:46.35 SUSAN BRADLEY-COX 59	1:44.06 TITA ARNOLD 55	7:54.69 MARILYN RAMEY 56	43.57 BEVERLY MYERS 60
12:48.24 BETSY JORDAN 59	1:44.72 SUE STRALY 59	8:13.39 PATRICIA TULLMAN 59	43.83 NANCY BROWN 60
12:57.98 SUSAN LIVINGSTON 57	1:46.04 SIGRID EWERS 56	8:30.98 INGRID STINE 57	44.12 DORIS KLITZKE 61
13:23.51 BARBARA ZAREMSKI 59	1:46.09 BETSY JORDAN 59	8:44.22 PATRICIA ARNOLD 57	44.72 LAVELLE STOINOFF 63
13:58.51 SUSAN SPRINGER 58	1:46.29 ELIZABETH JOHNSON 57	50 M. FREE WOMEN 60-64	47.96 ARDIS BOURLAND 63
14:17.73 MARILYN RAMEY 56	1:46.97 SANDRA KINGDON 57	33.07 JAYNE BRUNER 95	49.13 SUZANNE ROBBINS 62
14:36.91 PATRICIA TULLMAN 59	1:48.11 MARILYN RAMEY 56	37.00 NANCY BROWN 60	51.76 PHILLIS WILSON 63
14:39.53 SYLVIA GLENN 58	200 M. BRST WOMEN 55-59	37.69 BEVERLY MYERS 61	53.17 PAT PETERSEN 60
14:40.39 SHIRLEY DACEY 59	3:16.58 JOANN LEILICH 94	38.75 DORIS KLITZKE 61	54.08 BARBARA ALLEN 63
15:38.70 LINDA BESSEMER 55	3:19.41 JOANN LEILICH 57	40.17 NANCY WAITE 62	100 M. BACK WOMEN 60-64
1500 M. FREE WOMEN 55-59	3:37.45 ILONA SIKE 55	40.42 BARBARA CALLISON 63	1:29.13 CLARA WALKER 89
21:35.84 LAVELLE STOINOFF 89	3:39.30 SALLY NEWELL 59	41.99 ARDIS BOURLAND 63	1:31.58 ANN CHAMP 61
23:51.18 SUSAN BRADLEY-COX 59	3:47.88 BARBARA ZAREMSKI 59	43.45 MARGO BOUER 61	1:33.55 NANCY BROWN 60
24:22.59 BETSY JORDAN 59	3:49.86 BETSY JORDAN 59	44.33 JUDY TILARO 61	1:39.61 DORIS KLITZKE 61
25:36.41 BARBARA ZAREMSKI 59	3:54.70 ELIZABETH JOHNSON 57	44.85 SALLY OPPEL 62	1:39.64 BEVERLY MYERS 60
26:48.58 MARILYN RAMEY 56	3:58.31 MARILYN RAMEY 56	44.91 CHERYL CORBETT 64	1:48.96 SUZANNE ROBBINS 62
27:22.10 SHIRLEY DACEY 59	4:00.83 SUSAN LIVINGSTON 57	100 M. FREE WOMEN 60-64	1:50.39 BARBARA CALLISON 63
27:30.08 MARIE MAINVILLE 55	4:20.23 SYLVIA GLENN 58	1:13.50 JAYNE BRUNER 96	1:55.67 LIDA GASCHKE 64
27:45.44 SYLVIA GLENN 58	4:22.62 PATRICIA ARNOLD 57	1:13.50 JAYNE BRUNER 61	1:55.71 JOAN STUART 63
28:14.27 MARLEE VALDERHAUG 55	50 M. FLY WOMEN 55-59	1:24.54 BEVERLY MYERS 60	1:57.62 BARBARA ALLEN 63
29:31.45 INGRID STINE 57	34.33 ARDETH MUELLER 96	1:28.04 LIDA GASCHKE 64	1:57.91 SHIRLEY BEHELER 62
30:07.49 P.STRICKLAND 55	34.33 ARDETH MUELLER 55	1:28.42 DORIS KLITZKE 61	200 M. BACK WOMEN 60-64
50 M. BACK WOMEN 55-59	39.70 BETSY JORDAN 59	1:32.65 BARBARA CALLISON 63	3:10.79 LAVELLE STOINOFF 95
37.92 BETSY JORDAN 92	40.26 LYNNE LUND 56	1:38.82 IDA SMITH 62	3:14.14 ANN CHAMP 61
39.38 BETSY JORDAN 59	46.82 TITA ARNOLD 55	1:41.06 SHIRLEY BEHELER 62	3:18.98 NANCY BROWN 60
45.38 LYNNE LUND 55	47.04 ANN MCDONNELL 57	1:42.93 CHERYL CORBETT 64	3:28.55 BEVERLY MYERS 60
46.38 CEIL BLACKWELL 56	48.04 PATRICIA TULLMAN 59	1:44.05 FLO DIETZ 60	3:55.34 JOAN STUART 63
47.22 MARILYN RAMEY 56	48.46 MARILYN RAMEY 56	1:44.85 ARDIS BOURLAND 63	3:57.53 SUZANNE ROBBINS 62
48.57 PATRICIA TULLMAN 59	51.43 SUSAN SPRINGER 58	200 M. FREE WOMEN 60-64	4:05.55 BARBARA PISCOPO 64
49.00 SHIRLEY DACEY 59	100 M. FLY WOMEN 55-59	2:39.92 LAVELLE STOINOFF 93	4:08.43 JUNE GRAVENER 64
49.93 SUSAN SPRINGER 58	1:21.52 ARDETH MUELLER 96	2:58.68 CHERYL CORBETT 64	4:08.60 PHILLIS WILSON 63
50.09 BARBARA ZAREMSKI 59	1:21.52 ARDETH MUELLER 55	3:02.89 BEVERLY MYERS 60	4:11.22 BARBARA ALLEN 63
50.57 MARIAN COAKLEY 58	1:38.17 LUNNE LUND 56	3:13.93 LIDA GASCHKE 64	4:40.39 NANCY WAITE 62
51.20 BARBARA BOWER 58	1:38.91 BETSY JORDAN 59	3:34.58 IDA SMITH 62	50 M. BRST WOMEN 60-64
100 M. BACK WOMEN 55-59	1:53.97 PATRICIA TULLMAN 59	3:40.82 SANDRA KREMER 60	41.74 JAYNE BRUNER 96
1:21.90 BETSY JORDAN 92	1:57.91 MARILYN RAMEY 56	3:41.57 FLO DIETZ 60	41.74 JAYNE BRUNER 61
1:26.39 BETSY JORDAN 59	1:57.96 INGRID STINE 57	3:43.12 NANCY WAITE 62	47.20 BEVERLY MYERS 60
1:38.23 LUNNE LUND 56	200 M. FLY WOMEN 55-59	3:50.59 JUDITH PULESTON 61	47.57 ANNE MCGUIRE 62
1:38.41 SUE STRALY 59	2:55.05 ARDETH MUELLER 96	4:15.67 BARBARA GLANCY 64	47.57 LILLY KRON 64

TOP TEN - SHORT COURSE METERS

47.97	IDA SMITH	62	3:25.88	BEVERLY MYERS	60	23:38.44	CLARA WALKER	92	4:22.71	BETTY RUSS	69
49.63	ANN JOHNSEN	60	3:35.19	ANNE MCGUIRE	61	25:05.57	CLARA WALKER	69	4:24.54	RUTH AARON	67
49.72	ANN CHAMP	61	3:40.76	BARBARA CALLISON	63	25:23.16	GAIL ROPER	67	4:28.36	BARBARA OWENS	67
51.15	LAVELLE STOINOFF	63	4:03.18	JANET MOELLER	61	26:51.65	MALCHIA OLSHAN	65	4:34.44	JILL COLEMAN	66
51.89	DORIS KLITZKE	61	4:08.28	SANDRA KREMER	60	28:09.03	BETTY RUSS	69	4:49.01	HEDY ESPOSITO	68
52.12	DORIS PROKOPI	60	4:08.81	SHIRLEY BEHELER	62	29:27.67	RUTH AARON	67	4:51.34	MARIAN WOLLE	68
100 M. BRST WOMEN 60-64			4:13.39	DORIS PROKOPI	60	32:02.81	NANCY REED	69	4:52.11	R PROTOPAPAS	66
1:34.63	JAYNE BRUNER	96	4:35.65	CAROLYN BALDWIN	62	32:05.63	RUTH FARNHAM	66	50 M. FLY WOMEN 65-69		
1:34.63	JAYNE BRUNER	61	4:35.73	NANCY WAITE	62	33:51.00	MARY JANE MULLINS	65	38.44	GAIL ROPER	95
1:42.05	ANNE MCGUIRE	61	400 M. I.M. WOMEN 60-64			35:05.19	ANN MARTIN	67	38.79	GAIL ROPER	67
1:43.47	BEVERLY MYERS	60	6:58.97	CLARA WALKER	91	50 M. BACK WOMEN 65-69			47.71	NANCY MACBETH	67
1:43.57	LILLY KRON	64	6:59.44	NANCY BROWN	60	40.48	DORIS STEADMAN	89	50.21	CYNTHIA BRUCE	68
1:47.85	LAVELLE STOINOFF	63	8:08.76	LILLY KRON	64	43.32	GAIL ROPER	67	51.28	BETTY RUSS	69
1:48.83	IDA SMITH	62	12:13.26	TRISH HUNTER	62	46.25	CYNTHIA BRUCE	68	51.46	JEAN TROY	69
1:50.83	ANN JOHNSEN	60	50 M. FREE WOMEN 65-69			49.14	ANN HIRSCH	65	54.13	GAY COLLINS	66
1:52.40	BARBARA CALLISON	63	34.17	GAIL ROPER	96	51.05	BETTY RUSS	69	54.30	JILL COLEMAN	66
1:53.50	SANDRA KREMER	60	34.17	GAIL ROPER	67	51.88	JACQUELINE DUNLOP	65	56.48	CAROLYN DERR	68
1:54.88	DORIS PROKOPI	60	36.32	CLARA WALKER	69	52.03	NAN BOHL	67	57.43	MALCHIA OLSHAN	65
200 M. BRST WOMEN 60-64			38.35	BETTY RUSS	69	52.77	GAY COLLINS	66	58.07	BARBARA OWENS	67
3:33.06	LAVELLE STOINOFF	95	38.78	JEAN TROY	69	54.39	JILL COLEMAN	66	100 M. FLY WOMEN 65-69		
3:42.42	LILLY KRON	64	40.50	NANCY MACBETH	67	54.66	MARIAN BRENNER	66	1:33.10	GAIL ROPER	95
3:43.64	BEVERLY MYERS	60	41.40	BERNA BENNETT	69	56.99	NANCY REED	69	1:36.15	GAIL ROPER	67
3:44.85	ANNE MCGUIRE	62	42.26	SUZANNE GRAHAM	69	100 M. BACK WOMEN 65-69			1:44.63	ANN HIRSCH	65
3:52.83	BARBARA CALLISON	63	42.71	NAN BOHL	67	1:30.41	DORIS STEADMAN	89	2:00.27	MALCHIA OLSHAN	65
3:57.04	ANN JOHNSEN	60	43.69	GAY COLLINS	66	1:36.28	GAIL ROPER	67	2:05.08	JILL COLEMAN	66
3:57.73	IDA SMITH	62	43.69	JACQUELINE DUNLOP	65	1:42.52	NANCY MACBETH	67	2:18.52	MARIANNA HAGAN	68
4:06.63	SANDRA KREMER	60	100 M. FREE WOMEN 65-69			1:52.79	ANN HIRSCH	65	2:21.54	RUTH AARON	67
4:09.06	DORIS PROKOPI	60	1:16.26	GAIL ROPER	96	1:53.90	CYNTHIA BRUCE	68	2:30.43	MARIAN WOLLE	68
4:27.86	JOYCE VOIT	61	1:16.26	GAIL ROPER	67	1:54.02	BETTY RUSS	69	2:36.75	NANCY REED	69
4:28.60	NANCY WAITE	62	1:20.77	CLARA WALKER	69	1:56.81	JACQUELINE DUNLOP	65	2:43.70	ANN MARTIN	67
50 M. FLY WOMEN 60-64			1:28.18	JEAN TROY	69	1:57.35	MARY JANE MULLINS	65	2:50.34	R PROTOPAPAS	66
38.30	JAYNE BRUNER	95	1:30.07	CYNTHIA BRUCE	68	1:59.17	GAY COLLINS	66	200 M. FLY WOMEN 65-69		
42.66	BEVERLY MYERS	60	1:30.24	BETTY RUSS	69	1:59.37	PEGGY SANBORN	69	3:32.93	JUNE KRAUSER	95
43.92	DORIS KLITZKE	61	1:33.74	ANN HIRSCH	65	2:02.28	MARIAN BRENNER	66	3:35.84	GAIL ROPER	67
44.12	NANCY BROWN	60	1:36.80	ANITA HAZEN	68	200 M. BACK WOMEN 65-69			5:11.97	MARIANNA HAGAN	68
44.42	BARBARA CALLISON	63	1:37.57	GAY COLLINS	66	3:15.72	DORIS STEADMAN	89	5:27.93	MARIAN WOLLE	68
45.66	ANNE MCGUIRE	61	1:38.25	MALCHIA OLSHAN	65	3:31.35	GAIL ROPER	67	5:52.13	ANN MARTIN	67
48.01	IDA SMITH	62	1:38.43	JOAN CAMPBELL	66	3:43.21	NANCY MACBETH	67	6:03.81	JOAN MCINTYRE	67
49.41	ANN JOHNSEN	60	200 M. FREE WOMEN 65-69			4:02.12	JILL COLEMAN	66	100 M. I.M. WOMEN 65-69		
49.72	JANET MOELLER	61	2:54.15	GAIL ROPER	96	4:03.64	JOAN MCINTYRE	67	1:28.95	GAIL ROPER	67
52.06	PHILLIS WILSON	63	2:54.15	GAIL ROPER	67	4:08.28	BETTY RUSS	69	1:28.95	GAIL ROPER	67
53.10	SHIRLEY BEHELER	62	3:02.11	CLARA WALKER	69	4:09.05	PEGGY SANBORN	69	1:40.05	NANCY MACBETH	67
100 M. FLY WOMEN 60-64			3:10.93	JEAN TROY	69	4:11.59	JACQUELINE DUNLOP	65	1:42.28	ANN HIRSCH	65
1:32.19	JAYNE BRUNER	95	3:15.42	BETTY RUSS	69	4:14.34	GAY COLLINS	66	1:48.86	JEAN TROY	69
1:45.52	ANNE MCGUIRE	61	3:17.00	ANN HIRSCH	65	4:16.67	JOAN CAMPBELL	66	1:49.59	BETTY RUSS	69
1:48.80	BARBARA CALLISON	63	3:20.14	MALCHIA OLSHAN	65	4:20.87	MARIAN BRENNER	66	1:50.99	CYNTHIA BRUCE	68
1:49.31	DORIS KLITZKE	61	3:27.00	ANITA HAZEN	68	50 M. BRST WOMEN 65-69			1:55.22	JACQUELINE DUNLOP	65
1:50.44	ANN JOHNSEN	60	3:34.11	JOAN CAMPBELL	66	46.57	GAIL ROPER	95	1:56.93	GAY COLLINS	66
2:00.85	LILLY KRON	64	3:35.74	SUZANNE GRAHAM	69	47.20	GAIL ROPER	67	1:59.35	JILL COLEMAN	66
2:01.15	JANET MOELLER	61	3:41.42	GAY COLLINS	66	48.27	ANN HIRSCH	65	2:02.86	NANCY REED	69
2:07.56	SHIRLEY BEHELER	62	400 M. FREE WOMEN 65-69			53.97	SUZANNE GRAHAM	69	200 M. I.M. WOMEN 65-69		
2:13.98	DORIS PROKOPI	60	6:13.42	CLARA WALKER	92	54.72	JACQUELINE DUNLOP	65	3:18.77	CLARA WALKER	91
2:21.04	CAROLYN BALDWIN	62	6:17.86	GAIL ROPER	67	54.95	HANNELORE SNYDER	66	3:19.06	GAIL ROPER	67
3:16.86	TRISH HUNTER	62	6:38.58	CLARA WALKER	69	55.23	BETTY RUSS	69	3:36.19	ANN HIRSCH	65
200 M. FLY WOMEN 60-64			6:52.11	ANN HIRSCH	65	57.53	GEORGIA GOGGIN	66	3:55.22	JEAN TROY	69
3:32.29	JUNE KRAUSER	90	6:52.81	BETTY RUSS	69	57.62	SYLVIA IDELSON	67	4:01.86	BETTY RUSS	69
3:34.11	NANCY BROWN	60	6:56.05	JEAN TROY	69	58.65	BARBARA OWENS	67	4:07.20	MALCHIA OLSHAN	65
3:51.62	ANNE MCGUIRE	62	7:09.19	MALCHIA OLSHAN	65	59.34	HEDY ESPOSITO	68	4:10.39	JILL COLEMAN	66
4:08.78	LILLY KRON	64	7:21.25	ANITA HAZEN	68	100 M. BRST WOMEN 65-69			4:13.09	GAY COLLINS	66
4:58.57	DORIS PROKOPI	60	7:37.52	BARBARA OWENS	67	1:41.41	GAIL ROPER	95	4:25.06	MARY JANE MULLINS	65
5:13.36	MARIANNE BROGAN	61	7:42.41	JOAN CAMPBELL	66	1:43.19	GAIL ROPER	67	4:26.13	RUTH AARON	67
100 M. I.M. WOMEN 60-64			7:53.42	DOLLY HINCKLEY	65	1:43.40	ANN HIRSCH	65	4:30.99	NANCY REED	69
1:26.42	JAYNE BRUNER	96	800 M. FREE WOMEN 65-69			1:59.73	SUZANNE GRAHAM	69	400 M. I.M. WOMEN 65-69		
1:26.42	JAYNE BRUNER	61	12:35.26	CLARA WALKER	92	2:02.12	JOAN CAMPBELL	66	7:07.69	GAIL ROPER	96
1:32.06	BEVERLY MYERS	60	13:26.21	CLARA WALKER	69	2:02.67	HANNELORE SNYDER	66	7:07.69	GAIL ROPER	67
1:32.99	NANCY BROWN	60	13:37.54	GAIL ROPER	67	2:04.35	NAN BOHL	67	7:37.35	NANCY MACBETH	67
1:37.27	DORIS KLITZKE	61	14:11.67	BETTY RUSS	69	2:04.45	BETTY RUSS	69	7:48.78	ANN HIRSCH	65
1:39.96	BARBARA CALLISON	63	14:22.83	MALCHIA OLSHAN	65	2:07.13	RUTH AARON	67	8:25.27	BETTY RUSS	69
1:50.55	ANN JOHNSEN	60	15:02.82	ANITA HAZEN	68	2:07.50	GEORGIA GOGGIN	66	8:25.71	MALCHIA OLSHAN	65
1:54.50	SANDRA KREMER	60	15:16.00	LOUISE KUTSCHER	67	2:08.73	MARIANNA HAGAN	68	8:43.13	BARBARA OWENS	67
1:56.36	JOAN STUART	63	15:39.11	RUTH AARON	67	200 M. BRST WOMEN 65-69			9:29.53	MARIAN WOLLE	68
2:01.18	ELIZABETH HAYWOOD	60	16:08.24	RUTH FARNHAM	66	3:41.93	GAIL ROPER	95	50 M. FREE WOMEN 70-74		
2:05.85	MARIE MULCAHY	61	16:33.47	NANCY REED	69	3:42.09	ANN HIRSCH	65	38.36	FLORENCE CARR	95
200 M. I.M. WOMEN 60-64			17:19.31	MARIAN WOLLE	68	3:48.68	GAIL ROPER	67	39.82	JUNE KRAUSER	70
3:14.28	CLARA WALKER	90	1500 M. FREE WOMEN 65-69			4:22.20	HANNELORE SNYDER	66	39.86	PETEY SMITH	71

TOP TEN - SHORT COURSE METERS

40.06 FLORENCE CARR	71	1:09.03 MARIE BROWN	71	1:59.29 LOIS NOCHMAN	71	3:57.76 BILLIE BURRILL	75
42.31 DOROTHY DONNELLY	74	100 M. BACK WOMEN 70-74		2:08.92 DIANA SILVA	74	4:14.75 BETTY KENDALL	76
42.32 MARGERY MEYER	73	1:35.66 DORIS STEADMAN	95	2:13.97 BETTY DUNN	71	4:34.51 MARDIE BROWN	79
42.59 RUTH BAAR	73	1:45.76 JUNE KRAUSER	70	2:18.15 JUNE REYNOLDS	74	4:44.99 MERLYN EWBANK	76
44.25 LOIS NOCHMAN	71	1:50.60 LOIS NOCHMAN	72	2:18.71 JAE HOWELL	73	4:47.31 M STEINBISS	75
44.48 S.HASSELBACHER	70	1:52.99 JEANNE MERRYMAN	73	2:33.24 MARY WIXTED	74	5:16.86 KATE BRAZIL	76
45.93 BARBARA BOLEY	71	1:53.26 M.J. AMSBARY	71	2:46.63 H. HUGGINS	74	5:30.08 MARGARET NAGLE	79
46.11 DIANA SILVA	74	1:57.56 DIANA SILVA	74	3:03.79 MARGARET BROU	74	400 M. FREE WOMEN 75-79	
100 M. FREE WOMEN 70-74		2:10.39 NANCY PHILLIPS	74	200 M. FLY WOMEN 70-74		7:23.29 RITA SIMONTON	93
1:26.55 JUNE KRAUSER	96	2:10.63 H. HUGGINS	74	3:38.39 JUNE KRAUSER	96	7:38.75 RITA SIMONTON	78
1:26.55 JUNE KRAUSER	70	2:19.17 MAURINE KORNFELD	74	3:38.39 JUNE KRAUSER	70	7:56.10 MARJORIE SHARPE	79
1:29.67 FLORENCE CARR	71	2:30.72 MARIE BROWN	71	4:05.36 LOIS NOCHMAN	71	8:00.23 SUE MARVEL	76
1:30.46 PETEY SMITH	71	2:43.26 BETTY CUMMISKEY	73	4:27.32 FLORENCE CARR	71	8:16.23 BILLIE BURRILL	75
1:33.57 MARGERY MEYER	73	200 M. BACK WOMEN 70-74		4:49.38 DIANA SILVA	73	8:37.78 SYLVIA HILL	75
1:35.18 JEANNE MERRYMAN	73	3:27.79 DORIS STEADMAN	95	4:58.02 JAE HOWELL	73	8:53.86 BETTY KENDALL	76
1:37.71 LOIS NOCHMAN	72	4:05.71 PETEY SMITH	71	5:02.72 JUNE REYNOLDS	74	10:02.35 M STEINBISS	75
1:39.09 RUTH BAAR	73	4:06.71 LOIS NOCHMAN	71	100 M. I.M. WOMEN 70-74		10:44.92 KATE BRAZIL	76
1:46.30 DIANA SILVA	74	4:14.70 FLORENCE CARR	71	1:38.73 JUNE KRAUSER	96	11:25.11 REGINA PURVIS	76
1:52.44 CLARA SOTAK	71	4:19.62 NANCY PHILLIPS	74	1:38.73 JUNE KRAUSER	70	800 M. FREE WOMEN 75-79	
1:57.55 JUNE REYNOLDS	74	4:52.06 MAURINE KORNFELD	74	1:48.40 LOIS NOCHMAN	71	15:28.60 RITA SIMONTON	93
200 M. FREE WOMEN 70-74		5:01.40 MARY WIXTED	74	1:58.31 FLORENCE CARR	71	15:37.82 RITA SIMONTON	78
3:07.16 JUNE KRAUSER	96	5:15.44 MARIE BROWN	71	2:00.21 JEANNE MERRYMAN	73	16:01.48 MARJORIE SHARPE	79
3:07.16 JUNE KRAUSER	70	5:55.10 ROSEMARY LENNERTZ	71	2:03.16 DIANA SILVA	73	24:09.63 MARTHA FORSTER	79
3:09.62 FLORENCE CARR	71	7:17.45 ALICE ENGLISH	70	2:04.17 PETEY SMITH	72	33:34.36 RUTH HILDEBRAND	79
3:19.91 PETEY SMITH	71	50 M. BRST WOMEN 70-74		2:10.64 JAE HOWELL	73	1500 M. FREE WOMEN 75-79	
3:37.41 RUTH BAAR	73	50.95 GERTRUD ZINT	87	2:14.73 BETTY DUNN	71	29:30.20 RITA SIMONTON	93
3:38.94 LOIS NOCHMAN	72	50.88 JUNE KRAUSER	70NV	2:15.48 BARBARA BOLEY	71	30:09.18 RITA SIMONTON	78
3:47.99 BARBARA BOLEY	71	52.45 M. AMSBARY	71	2:15.48 MARY WIXTED	74	50 M. BACK WOMEN 75-79	
4:00.19 DOROTHY DONNELLY	74	53.59 LOIS NOCHMAN	71	200 M. I.M. WOMEN 70-74		52.11 MARIE WICKLUN	89
4:04.04 CLARA SOTAK	71	54.45 FLORENCE CARR	71	3:31.93 JUNE KRAUSER	96	55.38 NANCY PHILLIPS	75
4:05.67 MURIEL FLYNN	73	56.59 JAE HOWELL	73	3:31.93 JUNE KRAUSER	70	55.61 MARJORIE SHARPE	79
4:08.75 NANCY PHILLIPS	74	58.07 MARGERY MEYER	73	4:01.09 LOIS NOCHMAN	71	59.13 SUE MARVEL	76
400 M. FREE WOMEN 70-74		58.60 MURIEL FLYNN	73	4:10.73 FLORENCE CARR	71	1:05.67 EDITH GLUSAC	77
6:28.81 JUNE KRAUSER	96	1:00.21 BARBARA BOLEY	71	4:20.58 PETEY SMITH	71	1:07.40 MAXINE CARLSON	76
6:28.81 JUNE KRAUSER	70	1:04.35 MARJORIE CROZIER	70	4:21.39 MARGERY MEYER	73	1:07.47 MARY CULHANE	75
6:53.96 FLORENCE CARR	71	1:04.70 JUNE REYNOLDS	74	4:23.49 DIANA SILVA	74	1:08.11 ZADA TAFT	77
7:18.20 PETEY SMITH	72	100 M. BRST WOMEN 70-74		4:32.69 MURIEL FLYNN	73	1:08.22 MARGARET NAGLE	79
7:18.29 MARGERY MEYER	73	1:49.64 JUNE KRAUSER	96	4:36.15 JAE HOWELL	73	1:08.96 KAY SCHIMPF	79
7:49.96 LOIS NOCHMAN	72	1:49.64 JUNE KRAUSER	70	4:48.46 BETTY DUNN	71	1:12.22 ROSEMARY KARIKER	77
8:05.63 BARBARA BOLEY	71	1:54.24 LOIS NOCHMAN	71	4:54.60 NANCY PHILLIPS	74	100 M. BACK WOMEN 75-79	
8:25.46 CLARA SOTAK	71	1:58.84 M. AMSBARY	71	400 M. I.M. WOMEN 70-74		1:53.00 ANNE WALKER	91
8:59.42 H. HUGGINS	74	2:10.25 JAE HOWELL	73	7:24.32 JUNE KRAUSER	96	2:03.22 MARJORIE SHARPE	79
9:01.47 BILLIE BURRILL	74	2:11.02 MURIEL FLYNN	73	7:24.32 JUNE KRAUSER	70	2:09.11 NANCY PHILLIPS	75
9:17.25 LOYS GREEN	70	2:16.76 ELEANOR BROWN	70	8:27.18 LOIS NOCHMAN	71	2:14.01 MARDIE BROWN	79
800 M. FREE WOMEN 70-74		2:19.34 JUNE REYNOLDS	74	8:46.34 FLORENCE CARR	71	2:15.73 MAURINE KORNFELD	75
13:07.28 JUNE KRAUSER	96	2:25.56 MARJORIE CROZIER	70	9:33.16 DIANA SILVA	74	2:18.89 MAXINE CARLSON	75
13:07.28 JUNE KRAUSER	70	2:29.90 GERTRUDE BOX	74	9:37.70 JAE HOWELL	73	2:21.19 M STEINBISS	75
14:34.61 MARGERY MEYER	73	2:31.36 MARY WIXTED	74	10:33.54 H. HUGGINS	74	2:22.27 SALLY JOY	79
15:36.34 LOIS NOCHMAN	71	200 M. BRST WOMEN 70-74		50 M. FREE WOMEN 75-79		2:26.33 EDITH GLUSAC	77
16:43.75 MAURINE KORNFELD	74	3:55.99 JUNE KRAUSER	96	42.50 LOUISE DONOVAN	93	2:28.14 KAY SCHIMPF	79
16:47.77 DIANA SILVA	74	3:55.99 JUNE KRAUSER	70	45.86 SUE MARVEL	76	2:28.35 MERLYN EWBANK	76
17:24.07 CLARA SOTAK	71	4:13.84 M.J. AMSBARY	71	46.21 RITA SIMONTON	78	200 M. BACK WOMEN 75-79	
18:18.54 BILLIE BURRILL	74	4:21.80 LOIS NOCHMAN	71	46.43 BILLIE BURRILL	75	4:01.89 MARIE WICKLUN	89
19:22.25 LOYS GREEN	70	4:35.95 MURIEL FLYNN	73	47.38 MAURINE KORNFELD	75	4:17.34 NANCY PHILLIPS	75
19:52.71 BEA HEIM	71	4:42.23 JAE HOWELL	73	47.49 MARJORIE SHARPE	79	4:38.97 MAURINE KORNFELD	75
20:20.97 MARGARET BROU	74	4:56.70 JUNE REYNOLDS	74	50.22 BETTY KENDALL	76	4:52.27 MAXINE CARLSON	75
1500 M. FREE WOMEN 70-74		5:00.07 ELEANOR BROWN	70	50.75 MARGARET NAGLE	79	4:57.72 M STEINBISS	75
24:57.85 JUNE KRAUSER	96	5:17.73 LELA PIERCE	74	56.23 SALLY JOY	79	5:04.96 ZADA TAFT	77
24:57.85 JUNE KRAUSER	70	5:21.73 MARY WIXTED	74	59.49 FRAN ZEUMER	76	5:05.79 SALLY JOY	79
30:08.27 LOIS NOCHMAN	72	5:27.36 JUDY KELLY	71	1:01.65 MARY CULHANE	75	5:14.61 EDITH GLUSAC	77
30:44.71 GRACE ALTUS	72	50 M. FLY WOMEN 70-74		100 M. FREE WOMEN 75-79		5:20.09 MERLYN EWBANK	76
34:39.38 BILLIE BURRILL	74	45.17 JUNE KRAUSER	96	1:38.34 RITA SIMONTON	93	5:39.35 ROSEMARY KARIKER	77
36:10.16 LOYS GREEN	70	45.17 JUNE KRAUSER	70	1:41.84 RITA SIMONTON	78	6:01.60 M.KIRKPATRICK	76
38:27.22 MARGARET BROU	74	46.05 LOIS NOCHMAN	72	1:42.75 MARJORIE SHARPE	79	50 M. BRST WOMEN 75-79	
50 M. BACK WOMEN 70-74		47.04 FLORENCE CARR	71	1:44.78 SUE MARVEL	76	53.94 GERTRUD ZINT	93
42.58 DORIS STEADMAN	95	54.64 JEANNE MERRYMAN	73	1:47.82 BILLIE BURRILL	75	1:01.20 RITA SIMONTON	78
49.68 FLORENCE CARR	71	56.42 DIANA SILVA	73	1:52.32 MAURINE KORNFELD	75	1:02.88 EDITH GLUSAC	77
49.70 JEANNE MERRYMAN	73	1:03.24 JUNE REYNOLDS	74	1:58.53 BETTY KENDALL	76	1:04.99 SALLY JOY	79
51.71 MARGERY MEYER	73	1:03.65 DOROTHY DONNELLY	74	2:04.46 MARGARET NAGLE	79	1:05.49 MIMI LEE	75
52.20 M.J. AMSBARY	71	1:06.17 H. HUGGINS	74	2:06.87 FRAN ZEUMER	76	1:05.86 KAY SCHIMPF	79
54.43 LOIS NOCHMAN	72	1:06.35 JAE HOWELL	73	200 M. FREE WOMEN 75-79		1:10.57 BILLIE BURRILL	75
54.95 DIANA SILVA	74	1:10.78 BARBARA BOLEY	71	3:33.90 RITA SIMONTON	93	1:13.98 MARY CULHANE	75
57.89 RUTH BAAR	73	100 M. FLY WOMEN 70-74		3:40.76 RITA SIMONTON	78	1:14.73 FRAN ZEUMER	76
1:04.00 BARBARA BOLEY	71	1:40.20 JUNE KRAUSER	96	3:44.34 MARJORIE SHARPE	79	1:15.12 MARGARET NAGLE	79
1:05.37 GERTRUDE BOX	74	1:40.20 JUNE KRAUSER	70	3:55.28 MAURINE KORNFELD	75	1:17.82 SYLVIA HILL	75

TOP TEN - SHORT COURSE METERS

100 M. BRST WOMEN 75-79	2:15.89 PAT MATTHIESEN 80	2:19.46 BETTY TAYLOR 81	3:20.81 JEWEL COOKE 96
2:02.29 GERTRUD ZINT 93	2:17.78 BETTIE MACINNES 82	100 M. FLY WOMEN 80-84	3:20.81 JEWEL COOKE 87
2:15.48 RITA SIMONTON 78	2:31.44 BETH HANKS 80	2:28.34 JEAN DURSTON 94	200 M. FLY WOMEN 85-89
2:20.95 KAY SCHIMPF 79	2:31.49 FLORENCE GAUGHAN 80	3:10.12 PAT MATTHIESEN 80	7:12.95 JEWEL COOKE 96
2:28.67 EDITH GLUSAC 77	2:35.62 AGNES ROMAYKO 82	3:29.09 HILDA BUEL 82	7:12.95 JEWEL COOKE 87
2:29.14 SALLY JOY 79	3:08.16 MARY SIEBOLD 80	200 M. FLY WOMEN 80-84	100 M. I.M. WOMEN 85-89
2:36.82 MARY CULHANE 75	200 M. FREE WOMEN 80-84	5:22.65 MAXINE MERLINO 92	2:12.85 JEWEL COOKE 95
2:44.29 MARDIE BROWN 79	4:07.41 JEAN DURSTON 94	8:44.16 HELENA HOFFMAN 80	2:40.42 JEWEL COOKE 87
3:03.11 MARIE KREIPE 77	5:41.12 AGNES ROMAYKO 82	100 M. I.M. WOMEN 80-84	4:00.99 EDITH HENDRY 85
3:23.89 LOIS PLANK 75	5:41.60 HELENA HOFFMAN 80	2:07.52 MAXINE MERLINO 92	200 M. I.M. WOMEN 85-89
200 M. BRST WOMEN 75-79	400 M. FREE WOMEN 80-84	2:18.24 AUDREY ETIENNE 80	6:10.88 JEWEL COOKE 95
4:32.71 GERTRUD ZINT 93	8:39.15 JEAN DURSTON 94	2:22.26 JEAN DURSTON 82	6:12.70 JEWEL COOKE 87
4:45.22 RITA SIMONTON 78	8:45.52 AUDREY ETIENNE 80	2:46.32 PAT MATTHIESEN 80	400 M. I.M. WOMEN 85-89
5:12.69 KAY SCHIMPF 79	9:51.54 MARIE WICKLUN 82	2:46.36 HELEN ROUMASSET 81	13:24.08 JEWEL COOKE 96
5:29.41 EDITH GLUSAC 77	11:48.86 AGNES ROMAYKO 82	3:10.74 HILDA BUEL 82	13:24.08 JEWEL COOKE 87
5:31.06 MIMI LEE 75	800 M. FREE WOMEN 80-84	3:39.59 BETTY TAYLOR 81	50 M. FREE WOMEN 90-94
50 M. FLY WOMEN 75-79	17:51.63 JEAN DURSTON 94	3:51.26 MARY SIEBOLD 80	1:36.77 ANNA BAUSCHER 93
56.53 GERTRUD ZINT 93	19:42.65 MAXINE MERLINO 84	200 M. I.M. WOMEN 80-84	NO SWIMMERS
1:00.63 NANCY PHILLIPS 75	27:30.64 AGNES ROMAYKO 82	4:45.32 JEAN DURSTON 95	100 M. FREE WOMEN 90-94
1:11.54 ZADA TAFT 77	1500 M. FREE WOMEN 80-84	5:55.93 HELEN ROUMASSET 81	3:24.13 ANNA BAUSCHER 93
1:15.70 MIMI LEE 75	34:13.00 JEAN DURSTON 94	6:02.39 PAT MATTHIESEN 80	NO SWIMMERS
1:16.63 ROSEMARY KARIKER 77	NO SWIMMERS	7:20.17 HELENA HOFFMAN 80	200 M. FREE WOMEN 90-94
1:18.27 MARDIE BROWN 79	50 M. BACK WOMEN 80-84	400 M. I.M. WOMEN 80-84	7:01.11 ANNA BAUSCHER 93
1:28.39 EDITH GLUSAC 77	58.68 MARIE WICKLUN 96	9:50.43 MAXINE MERLINO 92	NO SWIMMERS
100 M. FLY WOMEN 75-79	58.68 MARIE WICKLUN 82	NO SWIMMERS	400 M. FREE WOMEN 90-94
2:12.17 MAXINE MERLINO 88	1:01.09 AUDREY ETIENNE 80	50 M. FREE WOMEN 85-89	14:16.35 ANNA BAUSCHER 93
2:20.84 SYLVIA HILL 75	1:07.39 MAXINE MERLINO 84	51.99 JULIA DOLCE 95	NO SWIMMERS
3:02.40 ROSEMARY KARIKER 77	1:08.94 JEAN DURSTON 82	1:06.81 EDITH HENDRY 85	800 M. FREE WOMEN 90-94
3:08.66 ZADA TAFT 77	1:16.85 BETH HANKS 80	1:27.53 MADELEINE MILLER 86	28:45.45 ANNA BAUSCHER 93
3:58.47 ELFIE STEVENIN 75	1:18.75 PAT MATTHIESEN 80	1:48.46 ELIZABETH DZIADUS 85	NO SWIMMERS
200 M. FLY WOMEN 75-79	1:20.66 OLGA JAGGERS 83	100 M. FREE WOMEN 85-89	50 M. FREE M E N 19-24
4:48.50 MAXINE MERLINO 88	1:23.75 BUZ CATLIN 82	2:05.74 JULIA DOLCE 95	23.36 ED WAGNER 95
6:38.21 ROSEMARY KARIKER 77	1:26.81 FLORENCE GAUGHAN 80	2:06.30 JEWEL COOKE 87	24.43 CHRISTOPHER ROAT 21
7:26.90 ZADA TAFT 77	1:30.85 BETTY TAYLOR 81	2:41.16 EDITH HENDRY 85	24.80 RICHARD SLAWINSKI 23
100 M. I.M. WOMEN 75-79	100 M. BACK WOMEN 80-84	200 M. FREE WOMEN 85-89	24.91 OSIRIS BRISENO 20
1:58.06 GERTRUD ZINT 93	2:08.12 MARIE WICKLUN 94	4:52.37 JULIA DOLCE 95	25.41 EALING JAHN 20
2:11.23 NANCY PHILLIPS 75	2:10.93 MARIE WICKLUN 82	6:03.26 EDITH HENDRY 85	25.48 PAUL WIDMAN 23
2:16.97 BILLIE BURRILL 75	2:20.44 AUDREY ETIENNE 80	400 M. FREE WOMEN 85-89	25.61 PHILLIP BARI 20
2:22.81 SYLVIA HILL 75	2:27.52 MAXINE MERLINO 84	10:19.41 JULIA DOLCE 95	25.95 M HUNNESSCHLAGEN 22
2:23.97 MIMI LEE 75	2:38.90 BETH HANKS 80	12:58.00 EDITH HENDRY 85	26.05 ERIK SCOLLON 24
2:24.27 SALLY JOY 79	2:44.95 HELEN ROUMASSET 81	800 M. FREE WOMEN 85-89	26.20 ROBERT RODEE 24
2:31.58 MAURINE KORNFELD 75	2:57.48 BUZ CATLIN 82	22:22.74 JULIA DOLCE 95	26.27 MARK DUNN 24
2:34.72 ZADA TAFT 77	3:05.85 FLORENCE GAUGHAN 80	NO SWIMMERS	100 M. FREE M E N 19-24
2:37.26 EDITH GLUSAC 77	3:16.44 HILDA BUEL 82	1500 M. FREE WOMEN 85-89	52.64 ED WAGNER 95
2:41.22 MAXINE CARLSON 75	3:30.91 BETTY TAYLOR 81	42:10.95 JULIA DOLCE 95	54.10 CHRISTOPHER ROAT 21
2:49.18 ROSEMARY KARIKER 77	3:34.56 MARY SIEBOLD 80	NO SWIMMERS	55.14 OSIRIS BRISENO 20
200 M. I.M. WOMEN 75-79	200 M. BACK WOMEN 80-84	50 M. BACK WOMEN 85-89	55.77 PHILLIP BARI 20
4:17.89 MAXINE MERLINO 88	4:35.38 MARIE WICKLUN 94	1:12.75 JEWEL COOKE 96	56.86 EALING JAHN 20
5:32.77 MARDIE BROWN 79	4:36.90 MARIE WICKLUN 82	1:12.75 JEWEL COOKE 87	57.28 MARK DUNN 24
5:47.03 EDITH GLUSAC 77	4:51.11 AUDREY ETIENNE 80	1:13.48 EDITH HENDRY 85	57.34 CHRIS BENEDICK 24
5:50.27 MAXINE CARLSON 76	6:32.75 FLORENCE GAUGHAN 80	1:48.26 ELIZABETH DZIADUS 85	57.35 RUSSELL KOMINSKI 22
5:51.79 ZADA TAFT 77	6:48.81 HILDA BUEL 82	100 M. BACK WOMEN 85-89	57.60 ROSS HEDRICK 21
8:18.77 ROSE STEWARD 78	50 M. BRST WOMEN 80-84	2:45.89 JEWEL COOKE 96	57.88 RICK DZAVIK 24
400 M. I.M. WOMEN 75-79	1:05.64 MAXINE MERLINO 92	2:45.89 JEWEL COOKE 87	58.46 ROBERT RODEE 24
9:07.66 MAXINE MERLINO 88	1:12.47 JEAN DURSTON 82	2:49.05 EDITH HENRY 85	200 M. FREE M E N 19-24
12:05.38 EDITH GLUSAC 77	1:12.53 HILDA BUEL 82	200 M. BACK WOMEN 85-89	1:54.23 BRAD WINSOR 95
12:32.89 ZADA TAFT 77	1:19.42 PAT MATTHIESEN 80	5:53.58 JEWEL COOKE 96	1:59.52 CHRISTOPHER ROAT 21
12:42.81 ROSEMARY KARIKER 77	1:29.47 BETTIE MACINNES 82	5:53.58 JEWEL COOKE 87	2:01.48 JAY GRIFFIN 21
15:55.71 ELFIE STEVENIN 75	1:40.96 BETH HANKS 80	6:09.14 EDITH HENDRY 85	2:04.70 PHILLIP BARI 20
50 M. FREE WOMEN 80-84	1:51.39 BETTY TAYLOR 81	50 M. BRST WOMEN 85-89	2:07.84 CHRIS BENEDICK 24
47.85 AUDREY ETIENNE 96	100 M. BRST WOMEN 80-84	1:09.77 MARTI GOGNIAT 95	2:10.86 NEIL KAUKOLA 24
47.85 AUDREY ETIENNE 80	2:21.80 MAXINE MERLINO 92	1:12.62 MARTI GOGNIAT 86	2:12.06 JASON KLUGMAN 24
57.10 JEAN DURSTON 82	2:42.54 MAXINE MERLINO 84	1:24.48 JEWEL COOKE 87	2:13.36 MATTHEW KOWAL 24
1:04.16 BETH HANKS 80	3:02.09 HELEN ROUMASSET 81	100 M. BRST WOMEN 85-89	2:14.05 ROBERT RODEE 24
1:07.78 AGNES ROMAYKO 82	3:07.20 HILDA BUEL 82	2:38.48 MARTI GOGNIAT 95	2:15.18 JIM LEE 19
1:08.44 BUZ CATLIN 82	3:48.73 BETH HANKS 80	2:41.54 MARTI GOGNIAT 86	2:15.88 GERRY WARWICK 23
1:10.85 FLORENCE GAUGHAN 80	4:41.80 MARY SIEBOLD 80	3:10.12 JEWEL COOKE 87	400 M. FREE M E N 19-24
1:12.61 OLGA JAGGERS 83	200 M. BRST WOMEN 80-84	200 M. BRST WOMEN 85-89	4:03.45 BRAD WINSOR 95
1:17.87 BETTY TAYLOR 81	5:00.63 MAXINE MERLINO 92	6:53.42 JEWEL COOKE 96	4:19.09 JAY GRIFFIN 21
1:27.39 HELEN OFFENHAUSER 83	6:50.90 HILDA BUEL 82	6:53.42 JEWEL COOKE 87	4:38.78 PHILLIP BARI 20
1:30.59 BETTIE MACINNES 82	7:27.77 HELENA HOFFMAN 80	7:36.69 MADELEINE MILLER 86	4:41.27 NEIL KAUKOLA 24
100 M. FREE WOMEN 80-84	10:09.23 MARY SIEBOLD 80	50 M. FLY WOMEN 85-89	4:41.34 JASON KLUGMAN 24
1:52.20 MARIE WICKLUN 94	50 M. FLY WOMEN 80-84	1:24.22 JEWEL COOKE 96	4:54.50 MATTHEW KOWAL 24
1:54.05 AUDREY ETIENNE 80	1:03.26 JEAN DURSTON 94	1:24.22 JEWEL COOKE 87	4:54.77 JOHN FARKAS 24
2:04.21 MARIE WICKLUN 82	1:48.21 BUZ CATLIN 82	100 M. FLY WOMEN 85-89	4:58.40 ROBERT RODEE 24

TOP TEN - SHORT COURSE METERS

5:06.28 MATT MYERS	24	1:05.52 TODD RADEL	96	2:31.12 MARK DUNN	24	16:23.21 ROB MACKLE	92
5:24.85 GREG PRAIS	24	1:05.52 TODD RADEL	24	2:31.30 NEIL KAUKOLA	23	17:54.53 DALE MERCKER	29
5:26.86 RAY ESPER	24	1:08.15 ROBERT BUTCHER	24	2:33.86 JIM LEE	19	19:31.51 BRADLEY KENNEDY	25
800 M. FREE M E N 19-24		1:12.66 NICHOLAS IRONS	24	400 M. I.M. M E N 19-24		19:33.26 STEPHEN STONEHAM	25
8:35.83 BRAD WINSOR	95	1:13.41 OSIRIS BRISENO	20	4:28.54 SERGEY MARINIUK	93	19:55.50 JASON KLUGMAN	25
10:08.98 JOHN FARKAS	24	1:14.57 JAMES TSAI	22	4:41.83 JAY GRIFFIN	21	20:05.05 DANIEL FROST	28
10:13.50 MATT MYERS	24	1:15.73 ANTHONY NARDIS	21	4:47.83 TODD RADEL	24	20:25.05 JIM HARRINGTON	28
10:19.09 ROBERT RODEE	24	1:15.75 EALING JAHN	20	5:01.38 ERIK SCOLLON	24	20:28.71 MICHAEL BAUER	27
10:33.49 BRIAN ZBRZENY	22	1:15.89 RICHARD SLAWINSKI	23	5:16.57 MATT BOLES	23	21:09.66 MICHAEL CATHEY	26
10:55.97 BRAD SCHMIED	24	1:17.29 ALAN LIU	24	5:18.69 ALAN LIU	24	21:13.34 BYRON KONOLD	25
11:20.25 MATT PATOUT	24	1:18.01 C NATHAN JULSON	24	5:38.45 ANDY SINCLAIR	24	21:40.35 SHANNON POTTER	26
11:26.13 KEVIN TAYLOR	24	200 M. BRST M E N 19-24		5:44.08 NEIL KAUKOLA	23	50 M. BACK M E N 25-29	
11:26.46 RAY ESPER	24	2:22.78 TODD RADEL	96	5:46.00 CLINTON FISHER	22	26.00 MICHAEL KANNER	95
13:08.04 WADE LOVE	24	2:22.78 TODD RADEL	24	8:38.70 DOUGLAS-C CONNORS	23	28.46 TOM SENN	29
17:12.15 DOUGLAS-C CONNORS	23	2:32.34 ROBERT BUTCHER	24	50 M. FREE M E N 25-29		28.51 CURTIS SAWIN	25
1500 M. FREE M E N 19-24		2:42.10 RICHARD SLAWINSKI	23	22.48 PEEL/WAGNER	96	28.67 RICHARD SWOBODA	29
16:15.25 JEFF POPPELL	93	2:42.59 JAMES TSAI	22	22.48 ED WAGNER	25	29.34 ROBERT BERRY	28
17:04.97 JAY GRIFFIN	21	2:45.43 ALAN LIU	24	23.80 JON TEAL	25	29.42 STEPHEN SMITH	29
17:44.22 RYAN WHITE	22	2:46.78 ANTHONY NARDIS	21	24.37 NEILL WILLIAMS	28	29.53 KURT DICKSON	28
18:36.09 PHILLIP BARI	20	3:05.70 JIBRIL HASSOUN	22	24.50 ADAM WERTH	27	29.84 DAVID MCNEAR	28
19:12.77 MATT MYERS	24	3:08.18 GREG PRAIS	24	24.65 MICHAEL BRAY	29	30.32 KEVIN DESTRAMPE	28
19:45.39 NEIL KAUKOLA	23	3:22.47 KEVIN TAYLOR	24	24.86 CHIP HOBSON	29	30.89 ADAM WERTH	27
20:16.83 ANDY SINCLAIR	24	50 M. FLY M E N 19-24		25.10 PAUL LITTLEFIELD	26	30.97 HORST NIEHAUS	28
20:27.10 BRAD SCHMIED	24	26.24 JEFF FELTZER	95	25.12 BERT BERGEN	29	100 M. BACK M E N 25-29	
21:17.31 MATT PATOUT	24	27.01 OSIRIS BRISENO	20	25.14 CURTIS SAWIN	25	55.76 JOHN KEPPELER	95
22:09.43 RAY ESPER	24	28.61 ROSS HEDRICK	21	25.25 DAVID PADGETT	27	1:01.15 RICH SWOBODA	29
31:52.18 DOUGLAS-C CONNORS	23	28.70 NICHOLAS IRONS	24	100 M. FREE M E N 25-29		1:02.23 RICHARD TOOTHILL	26
50 M. BACK M E N 19-24		29.05 JASON SMITH	21	49.91 BJORN ZIKARSKY	95	1:02.91 KURT DICKSON	28
27.48 AARON BARTLESON	95	29.10 PAUL WIDMAN	23	53.34 ED WAGNER	25	1:02.92 STEVE REED	27
28.79 OSIRIS BRISENO	20	29.51 TODD KISTLER	24	54.53 COREY CARLISLE	25	1:03.43 COREY CARLISLE	25
29.22 ERIK SCOLLON	24	29.71 RICK DZAVIK	24	54.68 CURTIS SAWIN	25	1:03.46 STEPHEN SMITH	29
29.59 M.CHRISTENSEN	22	30.07 JAMES KRULL	23	54.95 STEVE REED	27	1:03.48 LARRY BOLTON	28
29.78 C NATHAN JULSON	24	30.24 BRAD SCHMIED	24	55.18 BERT BERGEN	29	1:03.99 CURTIS SAWIN	25
30.55 CHRIS BENEDICK	24	31.90 ANDREW SMITH	21	55.35 JAMIE PATRICK	26	1:04.30 KEVIN DESTRAMPE	28
30.87 BRAD SCHMIED	24	100 M. FLY M E N 19-24		55.66 MICHAEL BRAY	29	1:04.72 ERIC GRAMLOW	26
31.00 ROSS HEDRICK	21	57.54 JEFF POPPELL	93	55.82 TOM SENN	29	200 M. BACK M E N 25-29	
31.60 EALING JAHN	20	1:04.88 MATT BOLES	23	55.85 ADAM WERTH	27	2:02.63 JOHN KEPPELER	95
33.48 GERRY WARWICK	23	1:06.07 PHILLIP BARI	20	56.09 FRANCIS PELOSO	27	2:13.15 KURT DICKSON	28
33.58 PAUL WESTBROOK	22	1:06.30 JASON SMITH	21	200 M. FREE M E N 25-29		2:13.47 MARCEL RINZLER	25
100 M. BACK M E N 19-24		1:07.16 MATTHEW KOWAL	24	1:48.81 JOHN KEPPELER	95	2:14.26 STEPHEN SMITH	29
1:00.28 AARON BARTLESON	95	1:08.76 JIM LEE	19	2:00.25 STEPHEN SMITH	29	2:17.30 NENAD RODIC	26
1:00.87 OSIRIS BRISENO	20	1:09.52 NEIL KAUKOLA	24	2:01.15 KURT DICKSON	28	2:17.91 LARRY BOLTON	28
1:10.85 BRAD SCHMIED	24	1:10.52 ANTHONY NARDIS	21	2:03.42 STUART BARTON	28	2:20.81 NEILL WILLIAMS	28
1:10.93 PHILLIP BARI	20	200 M. FLY M E N 19-24		2:05.56 JEREMY PECORA	28	2:20.82 RICHARD DREWELOW	27
1:11.91 JOHN FARKAS	24	2:07.64 JEFF POPPELL	93	2:08.17 KEVIN DESTRAMPE	28	2:21.58 HORST NIEHAUS	28
1:12.84 PAUL WESTBROOK	22	2:34.66 ALAN LIU	24	2:08.84 STEVEN BURKE	26	2:22.49 JAMES WOLFLE	27
1:15.08 BRIAN ZBRZENY	22	2:37.38 PHILLIP BARI	20	2:08.96 MIKE MCKEON	27	2:24.62 KEVIN DESTRAMPE	28
1:16.49 NEIL KAUKOLA	23	2:46.19 ANDY SINCLAIR	24	2:09.01 KEVIN GRENIER	29	50 M. BRST M E N 25-29	
1:17.05 ANDREW SMITH	21	2:50.52 KEN HASKETT	20	2:10.68 PAUL SKOGLUND	29	29.08 JOHN WALDMAN	89
1:17.56 GREG SETLA	20	2:54.19 NEIL KAUKOLA	23	2:10.81 GREGG RAAB	26	30.26 ABRAHAM SOLANO	26
200 M. BACK M E N 19-24		3:17.31 AMAL TRIVERI	23	400 M. FREE M E N 25-29		30.49 JAMIE PATRICK	25
2:08.81 SERGEY MARINIUK	93	3:23.28 ARI STRAUSS	21	4:07.81 ROB MACKLE	92	30.76 NEILL WILLIAMS	28
2:15.42 OSIRIS BRISENO	20	3:51.63 STEVE KIM	20	4:21.21 KURT DICKSON	28	31.24 JACK MACKENROTH	27
2:22.51 MATT BOLES	23	4:09.22 DOUGLAS-C CONNORS	23	4:22.76 RICHARD DREWELOW	27	31.29 MICHAEL BAGSHAW	25
2:23.62 ERIK SCOLLON	24	100 M. I.M. M E N 19-24		4:25.68 MATT KINNEY	26	32.27 STEWART WEAVER	27
2:27.79 ROSS HEDRICK	21	59.18 AARON BARTLESON	95	4:32.45 BRADLEY HECHT	27	32.43 BRUCE BORNFLETH	29
2:31.23 PHILLIP BARI	20	1:02.14 ERIK SCOLLON	24	4:32.77 DOUG WAGNER	29	32.92 ROBERT HERMANET	26
2:40.82 ANDY SINCLAIR	24	1:03.08 OSIRIS BRISENO	20	4:36.26 BERT BERGEN	29	33.64 KEVIN DESTRAMPE	28
2:41.23 JASON KLUGMAN	24	1:05.63 M.CHRISTENSEN	22	4:38.09 DOUG FADEL	27	33.78 MICHAEL HARRISON	27
2:56.84 DAVID KNUTH	23	1:07.01 RICHARD SLAWINSKI	23	4:38.24 MIKE MCKEON	27	100 M. BRST M E N 25-29	
3:02.30 KEVIN TAYLOR	24	1:07.85 MARK DUNN	24	4:38.97 KEVIN GRENIER	29	1:04.43 ABRAHAM SOLANO	96
3:12.68 TIMOTHY IP	21	1:08.45 NICHOLAS IRONS	24	4:38.97 MATTHEW ROSSI	28	1:04.43 ABRAHAM SOLANO	26
50 M. BRST M E N 19-24		1:09.05 MICHAEL WILLMER	19	800 M. FREE M E N 25-29		1:05.09 NEILL WILLIAMS	28
29.76 AARON BARTLESON	95	1:09.79 ALAN LIU	24	8:25.06 JASON NIELSON	96	1:08.37 MICHAEL BAGSHAW	25
30.04 TODD RADEL	24	1:09.85 ANTHONY NARDIS	21	8:25.06 JASON NIELSON	29	1:09.30 JACK MACKENROTH	27
31.07 ROBERT BUTCHER	24	1:10.48 BRAD SCHMIED	24	8:43.04 CHIP HOBSON	29	1:12.02 JACK CHAPKO	29
32.02 EALING JAHN	20	200 M. I.M. M E N 19-24		9:21.83 LARRY BOLTON	28	1:12.74 STEWART WEAVER	27
32.72 RICHARD SLAWINSKI	23	2:08.88 SERGEY MARINIUK	93	9:31.10 DALE MERCKER	29	1:12.89 BRUCE BORNFLETH	29
32.85 NICHOLAS IRONS	24	2:11.01 JAY GRIFFIN	21	9:48.94 DOUG FADEL	27	1:13.28 RICH SWOBODA	29
33.09 MICHAEL WILLMER	19	2:11.25 TODD RADEL	24	9:50.31 MATT ROSSI	28	1:13.45 MICHAEL HARRISON	27
34.27 JAMES TSAI	22	2:18.40 OSIRIS BRISENO	20	9:56.03 KEVIN GRENIER	29	1:15.17 SHANNON WELCH	25
34.53 CHRISTOPHER ROAT	21	2:23.19 RICK DZAVIK	24	10:05.46 JASON KLUGMAN	25	200 M. BRST M E N 25-29	
34.56 ALAN LIU	24	2:26.42 JIM RUGGIERO	24	10:13.38 WM POLK	27	2:20.43 ABRAHAM SOLANO	96
34.79 DALE HUGGINS	24	2:27.92 ERIK SCOLLON	24	10:19.46 STEPHEN STONEHAM	25	2:20.43 ABRAHAM SOLANO	26
100 M. BRST M E N 19-24		2:29.33 ALAN LIU	24	1500 M. FREE M E N 25-29		2:24.95 MATT KINNEY	26

TOP TEN - SHORT COURSE METERS

2:36.17 JACK MACKENROTH 27	5:02.85 JAMES WOLFFLE 27	18:49.03 DAVE MOWERS 31	50 M. FLY M E N 30-34
2:37.03 DALE MERCKER 29	5:20.30 KEVIN GRENIER 29	18:53.31 DAVE COTE 34	25.06 MICHAEL BOTTOM 89
2:39.16 JAMIE PATRICK 26	5:31.82 BRAD KINKEMA 25	50 M. BACK M E N 30-34	26.47 MIKE SHAFFER 31
2:42.43 JAMES WOLFFLE 27	5:36.10 DAN FROST 27	26.58 JAY YARID 94	27.12 DEAN PUTTERMAN 34
2:47.91 JOHN MERIDETH 25	5:47.45 MATTHEW BUFFLEBEN 27	29.29 JOHN BURCHETT 34	27.20 JOHN BURCHETT 34
2:49.33 TIMOTHY WAUD 29	50 M. FREE M E N 30-34	29.52 RICHARD SWOBODA 30	27.21 EDMUND GENDREAU 34
2:52.60 DALE WEBSTER 27	23.59 ROBERT KILLEEN 93	30.14 CARR PHILLIPS 31	27.45 STEPHEN SEGRETO 33
2:53.94 CRAIG VISSER 25	23.87 STEVE CROCKER 32	30.21 DAVID KASTIGAR 32	27.90 ROBERT WATSON 30
50 M. FLY M E N 25-29	24.42 DEAN PUTTERMAN 34	30.22 WILLIAM NAUMAN 34	28.12 MARTY SARUSSI 31
25.61 NEILL WILLIAMS 94	24.83 MIKE SHAFFER 31	30.25 TOM NORTHCUTT 31	28.45 JACK KING 33
25.85 NEILL WILLIAMS 28	24.86 MICHAEL GREEN 32	30.50 MIKE BROWN 32	28.47 BOB YOUNG 32
26.34 MARCEL RINZLER 25	25.10 BOB YOUNG 32	30.54 STEPHEN SEGRETO 33	28.48 MICHAEL GREEN 32
26.40 THOMAS AUGSPURGER 29	25.16 MIKE SCHMIDT 33	30.80 SCOTT BRINITZER 33	100 M. FLY M E N 30-34
26.46 JEFFREY RODDIN 27	25.35 HERB MERKERT 32	31.04 EDMUND GENDREAU 34	56.35 PETER EGAN 95
26.54 STEVE REED 27	25.51 DAVID MICHAELS 33	100 M. BACK M E N 30-34	57.00 MIKE SHAFFER 31
26.86 CURTIS SAWIN 25	25.64 MARK KAISER 32	56.83 JAY YARID 93	58.63 ERIK KIELIN 32
26.93 ED WAGNER 25	25.69 JEFF HOGG 31	1:04.30 CARR PHILLIPS 31	1:00.15 STEPHEN SEGRETO 33
27.15 ADAM WERTH 27	100 M. FREE M E N 30-34	1:04.33 DAVID KASTIGAR 32	1:02.08 GERRY RODRIGUES 33
27.50 MATTHEW ROSSI 28	51.86 JAMES MONTGOMERY 89	1:04.86 JOE RHYNE 31	1:02.11 DON KEITH SKEOCH 33
27.62 ERIC GRAMLOW 26	52.07 MICHAEL GREEN 32	1:05.15 TOM CREECH 30	1:02.35 JONATHAN OLSEN 33
100 M. FLY M E N 25-29	53.32 STEVE CROCKER 32	1:05.66 MICHAEL GREEN 32	1:02.50 DAVID MICHAELS 33
56.11 MARTIN HERRMANN 95	53.57 MIKE SHAFFER 31	1:05.99 STEPHEN SEGRETO 33	1:02.67 MARTY SARUSSI 31
58.39 MARCEL RINZLER 25	54.83 DAVID MICHAELS 33	1:06.06 DONALD SKEOCH 33	1:02.84 MIKE SCHMIDT 33
58.53 THOMAS AUGSPURGER 29	54.94 CARR PHILLIPS 31	1:06.22 MIKE DOWHY 32	1:02.89 STEPHEN LAIRD 31
58.56 NEILL WILLIAMS 28	55.49 GERRY RODRIGUES 33	1:06.39 TOM NORTHCUTT 31	200 M. FLY M E N 30-34
58.63 JEFFREY RODDIN 27	55.69 SCOTT YEOMANS 32	1:07.41 ROBERT WATSON 30	2:04.59 MIKE SHAFFER 95
1:00.61 COREY CARLISLE 25	55.79 JERRY SHANDREW 30	200 M. BACK M E N 30-34	2:05.76 MIKE SHAFFER 31
1:01.08 RICH SWOBODA 29	56.05 BOB YOUNG 32	2:04.63 JAY YARID 93	2:14.65 STEPHEN SEGRETO 33
1:01.39 RICHARD TOOTHILL 26	56.15 STEPHEN LAIRD 31	2:12.46 BRUCE HAYES 33	2:15.11 ERIK KIELIN 32
1:01.43 ADAM WERTH 27	200 M. FREE M E N 30-34	2:18.74 PHILLIP KING 30	2:18.87 GERRY RODRIGUES 33
1:01.98 NENAD RODIC 26	1:52.83 BRUCE HAYES 94	2:20.94 DAVID KASTIGAR 32	2:18.94 DON KEITH SKEOCH 33
1:02.53 MATT KINNEY 26	1:55.78 MIKE SHAFFER 31	2:22.32 TOM CREECH 30	2:22.67 ROBERT FUENTES 32
200 M. FLY M E N 25-29	2:01.60 GERRY RODRIGUES 33	2:23.37 TODD BRIGGS 33	2:23.00 TODD BRIGGS 33
2:09.02 DOUG WAGNER 95	2:02.58 DAVID MICHAELS 33	2:24.10 KENNETH FITCH 31	2:23.57 JASON CRIST 34
2:17.96 MATT KINNEY 26	2:02.63 SCOTT YEOMANS 32	2:24.62 JIM RHYNE 31	2:24.37 BILL STAEBELL 34
2:18.74 KURT DICKSON 28	2:03.39 STEPHEN LAIRD 31	2:25.69 JAMIE PROFFITT 31	2:24.75 JONATHAN OLSEN 33
2:19.24 DOUG FADEL 27	2:03.43 TIMOTHY NELSON 30	2:26.05 DONALD SKEOCH 33	100 M. I.M. M E N 30-34
2:19.70 JAMES WOLFFLE 27	2:03.51 ERIK KIELIN 32	2:27.72 SCOTT BRINITZER 33	59.95 J. CLAY BRITT 92
2:20.38 MICHAEL HALL 28	2:04.58 ROBBIE ALLEN 30	50 M. BRST M E N 30-34	1:00.62 ERIK KIELIN 32
2:24.23 BRIAN ELLIS 28	2:04.99 MICHAEL MOORE 33	29.21 DEAN PUTTERMAN 96	1:01.53 DEAN PUTTERMAN 34
2:26.52 DAVID KOVACH 28	2:05.12 CARR PHILLIPS 31	29.21 DEAN PUTTERMAN 34	1:02.37 MICHAEL GREEN 32
2:29.30 STUART BARTON 28	400 M. FREE M E N 30-34	30.97 JOHN HALLMAN 31	1:02.93 EDMUND GENDREAU 34
2:31.03 PAUL DUNNDER 28	3:59.83 BRUCE HAYES 94	32.60 ROB CHENAULT 33	1:04.31 JOHN BROWN 31
2:35.35 SHANNON POTTER 26	4:09.66 BRUCE HAYES 33	32.69 SCOTT YEOMANS 32	1:04.55 JOHN BURCHETT 34
100 M. I.M. M E N 25-29	4:20.34 DENNIS TESCH 31	32.72 WILLIAM NAUMAN 34	1:04.64 TOM NORTHCUTT 31
58.36 NEILL WILLIAMS 96	4:24.69 MICHAEL COLLINS 30	33.05 H SANCHES 30	1:04.99 MIKE DOWHY 32
58.36 NEILL WILLIAMS 28	4:25.04 MICHAEL MOORE 33	33.11 MICHAEL GREEN 32	1:05.13 DAVID KASTIGAR 32
1:00.72 MARCEL RINZLER 25	4:25.60 GERRY RODRIGUES 33	33.30 GRANT PALMER 32	1:05.31 MARK KAISER 32
1:02.40 RICH SWOBODA 29	4:25.83 SCOTT YEOMANS 32	33.42 MARC FROEBEL 31	200 M. I.M. M E N 30-34
1:02.51 ADAM WERTH 27	4:26.81 JONATHAN OLSEN 33	33.50 SUNDY ENGI 32	2:10.69 MICHAEL GREEN 96
1:02.56 RICHARD TOOTHILL 26	4:26.88 STEPHEN LAIRD 31	33.50 TOM NORTHCUTT 31	2:10.69 MICHAEL GREEN 32
1:03.17 COREY CARLISLE 25	4:28.62 MIKE SLABE 32	100 M. BRST M E N 30-34	2:14.07 ERIK KIELIN 32
1:03.60 TOM SENN 29	4:36.01 ERIC NORDLUND 32	1:04.33 DAVID GUTHRIE 93	2:19.47 GERRY RODRIGUES 33
1:03.66 RICHARD DREWELOW 27	800 M. FREE M E N 30-34	1:05.89 DEAN PUTTERMAN 34	2:21.38 DAVE SWENSON 33
1:03.81 ROBERT HERMANET 26	8:19.44 BRUCE HAYES 94	1:07.00 WALLY DICKS 33	2:21.39 ROBERT ALLEN 30
1:03.94 ROBERT BERRY 28	8:43.34 MIKE SHAFFER 31	1:09.24 JOHN HALLMAN 31	2:21.73 DAVID KASTIGAR 32
200 M. I.M. M E N 25-29	8:47.25 BRUCE HAYES 33	1:10.04 MICHAEL GREEN 32	2:21.76 EMAD ELSHAFFI 30
2:05.93 JOHN KEPPELER 95	8:55.82 DENNIS TESCH 31	1:11.64 H SANCHES 30	2:22.11 JOHN BROWN 31
2:11.34 STEPHEN SMITH 29	9:05.01 MICHAEL MOORE 33	1:12.02 WILLIAM NAUMAN 34	2:22.51 DONALD SKEOCH 33
2:11.84 NEILL WILLIAMS 28	9:07.86 GERRY RODRIGUES 33	1:12.04 JOHN BROWN 31	2:22.93 MICHAEL COLLINS 30
2:17.92 RICHARD SWOBODA 29	9:09.95 MICHAEL COLLINS 30	1:12.36 SCOTT YEOMANS 32	400 M. I.M. M E N 30-34
2:19.02 BERT BERGEN 29	9:15.87 DAVE SWENSON 33	1:12.95 ROBERT FUENTES 32	4:35.97 BRUCE HAYES 94
2:20.10 ROBERT HERMANET 26	9:26.12 JONATHAN OLSEN 33	1:13.32 DANA THOMASON 32	4:50.85 CHRIS BLACK 30
2:20.63 STEVEN BURKE 26	9:45.39 TODD CLARK 31	200 M. BRST M E N 30-34	4:53.17 ERIK KIELIN 32
2:24.77 RON AYERS 28	9:46.70 ERIC NORDLUND 32	2:24.86 DAVID GUTHRIE 94	4:58.84 DON KEITH SKEOCH 33
2:25.76 MATTHEW ROSSI 28	1500 M. FREE M E N 30-34	2:36.79 ROBERT FUENTES 32	5:02.99 DAVE SWENSON 33
2:27.79 LUCIANO MARTINS 26	16:15.49 MIKE SHAFFER 95	2:38.51 JOHN BROWN 31	5:03.28 GERRY RODRIGUES 33
2:28.19 ERIC GRAMLOW 26	16:24.63 MIKE SHAFFER 31	2:38.85 DONALD SKEOCH 33	5:04.09 PHILLIP KING 30
400 M. I.M. M E N 25-29	16:51.79 DENNIS TESCH 31	2:39.81 DANA THOMASON 32	5:06.24 DAVID KASTIGAR 32
4:26.79 JOHN KEPPELER 95	16:53.02 BRUCE HAYES 33	2:40.07 SCOTT YEOMANS 32	5:06.98 MICHAEL COLLINS 30
4:51.61 DOUG WAGNER 29	17:17.36 GERRY RODRIGUES 33	2:40.85 CHRIS BLACK 30	5:10.22 STEPHEN SEGRETO 33
4:52.25 MATT KINNEY 26	17:32.14 STEPHEN SEGRETO 33	2:41.12 ROBERT DETTMER 31	5:11.98 JONATHAN OLSEN 33
4:53.03 CHIP HOBSON 29	18:11.78 TODD CLARK 31	2:41.28 ROB CHENAULT 33	50 M. FREE M E N 35-39
4:55.02 RICH SWOBODA 29	18:30.97 JUSTIN MERRILL 34	2:42.15 MICHAEL COLLINS 30	23.80 BRUCE STAHL 94
4:58.47 LARRY BOLTON 28	18:46.78 BILL STAEBELL 34	2:45.11 GERRY RODRIGUES 33	24.39 JOE REINHARDT 35

TOP TEN - SHORT COURSE METERS

24.74 MARK LANCASTER	35	30.63 THOMAS LAWSON	36	27.79 JAMES LILLEY	36	26.31 JIM BARTON	41
24.79 BRUCE STAHL	38	30.89 DOUG ELMORE	35	27.97 ROBERT FORT	37	100 M. FREE M E N 40-44	
24.95 ED TSUZUKI	37	31.42 KEN NOLAN	35	28.10 KURT SMITH	36	53.25 RICK ABBOTT	95
25.09 JAMES LILLEY	36	31.49 ALEXANDER BAILEY	35	28.11 ALAN VOISARD	36	55.32 CHARLES NORELLI	40
25.15 JEFFREY STEVENS	37	31.60 WARREN FISHER	39	100 M. FLY M E N 35-39		56.66 SPENCER ELDRD	40
25.30 R.FORGIT	35	31.62 JOHN GLEASON JR	36	57.02 WILLIAM SPECHT	93	57.25 LARRY KRAUSER	43
25.37 KIRK KOZLOWSKI	38	100 M. BACK M E N 35-39		59.09 WILLIAM SPECHT	38	57.77 DAVID BARNES	41
25.41 ALEXANDER BAILEY	35	58.25 CLAY BRITT	96	59.21 PAUL FRENTSOS	35	57.78 BILL ADKISON	41
25.43 CHRIS DIXON	39	58.25 CLAY BRITT	35	1:01.09 JAMES BALLARD	39	58.23 CRAIG BURNS	44
100 M. FREE M E N 35-39		1:01.95 JAMES BALLARD	39	1:01.43 KERRY O'BRIEN	39	58.41 LARRY TAGGESELL	43
53.52 BRUCE STAHL	94	1:02.00 MIKE FRAZER	35	1:01.56 KURT SMITH	36	58.51 ERIC VANBOER	41
54.20 JOE REINHARDT	35	1:02.80 JOE REINHARDT	35	1:01.76 GARY QUINN	38	58.57 WILLIAM DRULIAS	44
54.98 ALEXANDER BAILEY	35	1:03.71 GARY QUINN	38	1:02.75 KIRK KOZLOWSKI	38	58.61 EDWARD BELL	43
55.65 JAMES LILLEY	36	1:04.29 WILLIAM SPECHT	38	1:03.95 SCOTT BEGIN	39	200 M. FREE M E N 40-44	
55.81 MIKE KECK	37	1:04.81 DAVID BURLESON	39	1:04.68 GRAHAM PERLMAN	35	1:57.83 HESS YNTEMA	95
56.26 MARK LANCASTER	35	1:05.19 ALAN VOISARD	36	1:05.23 JAMES LILLEY	36	2:09.50 CHARLES YOURD	44
56.32 KEVIN HOOK	35	1:05.31 STEVE GEORGE	37	200 M. FLY M E N 35-39		2:11.15 LARRY KRAUSER	43
56.60 ED TSUZUKI	37	1:07.12 MARTY HENDRICK	38	2:06.48 WILLIAM SPECHT	94	2:11.18 LARRY TAGGESELL	43
56.77 JEFFREY STEVENS	37	1:07.12 ALAN GODFREY	39	2:19.06 SCOTT BEGIN	39	2:11.75 BART MCDERMOTT	40
57.03 MIKE FRAZER	35	200 M. BACK M E N 35-39		2:26.51 KURT SMITH	36	2:11.81 JAY FISETTE	40
57.15 JAY CALHOUN	37	2:10.01 WILLIAM SPECHT	93	2:27.84 SCOTT RABALAIS	38	2:13.63 WILLIAM DRULIAS	44
200 M. FREE M E N 35-39		2:14.07 MIKE FRAZER	35	2:28.08 BRUCE HATTON	39	2:14.56 JACK WILSON	44
1:57.31 L J MEISENHEIMER	94	2:17.43 GARY QUINN	38	2:33.91 PAT ALLENDER	38	2:15.69 DAVID CASTO	43
2:01.45 MIKE KECK	37	2:18.91 DAVID BURLESON	39	2:34.48 KYLE TREADWAY	36	2:16.59 JOHN OLSZEWSKI	41
2:02.21 ALAN VOISARD	36	2:25.30 BRUCE HATTON	39	2:37.23 KARL KOLB	35	2:17.01 EDWARD BELL	43
2:03.79 ALEXANDER BAILEY	35	2:25.43 MARTY HENDRICK	38	2:37.80 MICHAEL LEMKE	39	400 M. FREE M E N 40-44	
2:04.33 JAMES LILLEY	36	2:25.79 SCOTT RABALAIS	38	2:41.43 RON SCHAFER	39	4:09.31 HESS YNTEMA	95
2:04.51 GARY QUINN	38	2:26.70 ALAN GODFREY	39	2:43.11 MARK SNYDER	37	4:37.30 NEIL WASSERMAN	41
2:04.66 SCOTT RABALAIS	38	2:28.99 LEO ESPINOSA	36	100 M. I.M. M E N 35-39		4:37.47 LARRY WOOD	42
2:06.20 KEVIN HOOK	35	2:29.35 KERRY O'BRIEN	39	1:00.79 RICHARD HESS	92	4:39.00 NED MAGGIORA	41
2:06.80 JAY CALHOUN	37	2:29.81 JOHN ZELL	39	1:00.97 CLAY BRITT	35	4:40.09 LARRY TAGGESELL	43
2:07.16 ALAN GODFREY	39	50 M. BRST M E N 35-39		1:01.87 JOE REINHARDT	35	4:42.49 LARRY KRAUSER	43
2:07.43 DAVID BURLESON	39	30.77 BENN DOYLE	96	1:02.47 PAUL FRENTSOS	35	4:43.76 JAY FISETTE	40
400 M. FREE M E N 35-39		30.77 BENN DOYLE	38	1:04.24 MIKE KECK	37	4:45.78 STEVE CLARK	44
4:15.96 MIKE KECK	96	31.53 RON SCHAFER	39	1:04.34 THOMAS LAWSON	36	4:46.96 ROBERT WRIGHT	42
4:15.96 MIKE KECK	37	31.71 GREGORY OXLEY	37	1:04.47 BENN DOYLE	38	4:47.59 DAVID OWEN	43
4:19.49 WILLIAM SPECHT	38	32.27 CHRIS DIXON	38	1:04.60 GREG OXLEY	37	4:49.36 TOM ARNOLD	41
4:20.59 GARY QUINN	38	32.51 STEVE BOONE	37	1:04.90 JAMES LILLEY	36	800 M. FREE M E N 40-44	
4:26.65 SCOTT RABALAIS	38	32.81 GRAHAM PERLMAN	35	1:05.04 ALEXANDER BAILEY	35	8:49.83 HESS YNTEMA	95
4:28.91 JIM BARBER	36	33.19 MICHAEL HAMM	39	1:05.50 GRAHAM PERLMAN	35	9:11.61 SANDY MAC DONALD	40
4:31.25 JAMES BALLARD	39	33.25 ALEX RAE-GRANT	38	200 M. I.M. M E N 35-39		9:29.88 NEIL WASSERMAN	41
4:34.50 JOHN LOWE	35	33.30 JAN VANDERSLUIS	36	2:14.75 MATT CLARK	94	9:43.64 NED MAGGIORA	41
4:35.11 BRUCE HATTON	39	33.62 MICHAEL CASCIATO	36	2:19.09 MIKE KECK	37	9:43.91 LARRY TAGGESELL	43
4:36.16 ALAN GODFREY	39	100 M. BRST M E N 35-39		2:20.31 PAUL FRENTSOS	35	9:44.90 DAVID SCHRADER	40
4:37.24 KEVIN HOOK	35	1:07.25 RON SCHAFER	96	2:23.07 MIKE FRAZER	35	9:53.17 ROBERT WRIGHT	42
800 M. FREE M E N 35-39		1:07.25 RON SCHAFER	39	2:23.23 ALEX RAE-GRANT	38	9:54.77 STEVE CLARK	43
8:53.34 MIKE KECK	95	1:09.31 BENN DOYLE	38	2:23.50 PAT ALLENDER	38	9:57.79 TOM ARNOLD	41
9:02.88 JIM BARBER	36	1:10.23 GREGORY OXLEY	37	2:24.74 WILLIAM SPECHT	38	9:58.38 JOHN ERB	40
9:03.10 GARY QUINN	38	1:12.92 GRAHAM PERLMAN	35	2:24.80 THOMAS LAWSON	36	10:01.61 FRANK THOMPSON	44
9:20.77 SCOTT RABALAIS	38	1:13.42 PAT ALLENDER	38	2:25.91 BRUCE HATTON	39	1500 M. FREE M E N 40-44	
9:30.31 SCOTT BEGIN	39	1:13.75 STEVE BOONE	37	2:28.22 STEVE GEORGE	37	16:51.71 HESS YNTEMA	95
9:38.98 BRUCE HATTON	39	1:14.30 LEO ESPINOSA	36	2:28.31 SCOTT BEGIN	39	18:18.50 LARRY WOOD	42
9:40.75 KARL KOLB	35	1:14.61 MICHAEL CASCIATO	36	400 M. I.M. M E N 35-39		18:45.09 ROB COPELAND	40
9:46.94 MARTY HENDRICK	38	1:14.89 CRAIG DALLAM	38	4:45.60 MIKE KECK	95	18:51.89 BRAD LEVINSON	40
9:50.86 BOB STENZ	35	1:15.52 JAY CALHOUN	37	4:51.72 GARY QUINN	38	19:01.52 DAVID SCHRADER	40
9:52.15 BRIAN MOUCH	39	200 M. BRST M E N 35-39		4:57.29 PAUL FRENTSOS	35	19:02.38 FRANK THOMPSON	44
9:57.09 DAVE COTE	35	2:26.18 RON SCHAFER	96	5:05.07 SCOTT RABALAIS	38	19:03.27 NED MAGGIORA	41
1500 M. FREE M E N 35-39		2:26.18 RON SCHAFER	39	5:07.03 BRUCE HATTON	39	19:07.68 JOHN ERB	40
17:25.79 ROB COPELAND	91	2:30.87 BENN DOYLE	38	5:08.98 JORG FELDVOS	36	19:10.56 ANDRE BONTE	42
17:26.38 GARY QUINN	38	2:38.56 PAT ALLENDER	38	5:17.37 PAT ALLENDER	38	19:39.16 GLENN WHARTON	42
17:37.42 SCOTT RABALAIS	38	2:40.76 LEO ESPINOSA	36	5:19.96 RON SCHAFER	39	19:57.73 KEITH ROBINSON	42
18:13.79 SCOTT BEGIN	39	2:42.97 CRAIG DALLAM	38	5:28.62 KARL KOLB	35	50 M. BACK M E N 40-44	
18:36.31 KARL KOLB	35	2:48.28 MICHAEL CASCIATO	36	5:30.22 ERIC WOLFF	36	28.88 CLAY EVANS	94
18:39.46 MARTY HENDRICK	38	2:49.90 JIM WILLIAMS	39	5:31.15 KYLE TREADWAY	36	29.99 RICK ABBOTT	41
18:53.31 DAVE COTE	35	2:50.91 TODD MITCHELL	35	50 M. FREE M E N 40-44		30.25 WAYNE KING	44
18:59.55 THOMAS MACK	37	2:51.46 JAMES ACKER	36	24.45 RICK ABBOTT	95	30.28 CLAY EVANS	43
19:08.83 JOHN KENNEDY	39	2:51.83 CHRIS PACKARD	38	24.63 CHARLES NORELLI	40	30.67 JAY FISETTE	40
19:15.48 MARK RUBINO	37	50 M. FLY M E N 35-39		25.25 ERIC VANBOER	41	30.94 DAVID BARNES	41
19:15.83 AARON STURM	37	25.89 WILLIAM SPECHT	93	25.39 JOSE CUNNINGHAM	40	31.51 WARREN FISHER	40
50 M. BACK M E N 35-39		27.03 WILLIAM SPECHT	38	25.78 JOHN PIECUCH	40	31.94 BRIAN QUINN	41
26.84 CLAY BRITT	96	27.24 JAMES BALLARD	39	25.87 RICK ABBOTT	41	32.33 BILL ADKISON	41
26.84 CLAY BRITT	35	27.28 THOMAS LAWSON	36	25.93 DAVID BARNES	40	32.46 GORDON CLEVINGER	42
28.77 JAMES BALLARD	39	27.32 CHRIS DIXON	39	25.96 BILL ADKISON	41	32.60 FRANK MOCKLER	41
28.87 MIKE FRAZER	35	27.42 MARK LANCASTER	35	26.09 LARRY KRAUSER	43	100 M. BACK M E N 40-44	
29.24 JOE REINHARDT	35	27.46 PAUL FRENTSOS	35	26.20 WILLIE WACHOB	44	1:03.16 CLAY EVANS	95

TOP TEN - SHORT COURSE METERS

1:05.52 THOMAS BOYD	40	1:03.25 THOMAS BOYD	40	59.91 JOHN QUINN	46	1:14.32 BOB RADER	45
1:06.62 CLAY EVANS	43	1:03.89 KEVIN MCCORMACK	44	1:00.29 JOHN NOLAN	48	200 M. BACK M E N 45-49	
1:06.98 DAVID BARNES	41	1:04.96 CRAIG BURNS	44	1:00.31 DANIEL ROGACKI	49	2:21.50 R TOD SPIEKER	96
1:08.53 NED MAGGIORA	41	1:05.30 CHARLES YOURD	44	1:00.72 J NATHAN LEECH	47	2:21.50 TOD SPIEKER	48
1:08.97 WARREN FISHER	40	1:05.88 NED MAGGIORA	41	200 M. FREE M E N 45-49		2:31.79 J NATHAN LEECH	47
1:09.24 TIMOTHY CLAYSON	42	1:05.93 JAY FISETTE	40	2:00.13 TIM BRODERICK	96	2:33.34 TOM COFFEY	45
1:09.41 BILL NELSON	44	1:06.09 BILL ADKISON	41	2:00.13 TIM BRODERICK	45	2:34.30 DANIEL ROGACKI	49
1:09.81 FRANK THOMPSON	44	200 M. FLY M E N 40-44		2:04.25 JIM MCCONICA	46	2:34.79 DANIEL HELTON	45
1:10.23 BILL DOW	44	2:09.09 HESS YNTEMA	95	2:09.46 STEVEN HECK	47	2:35.13 HUGH WILDER	49
1:10.84 GORDON CLEVINGER	42	2:27.83 JOHN CULHANE	40	2:10.46 WILLIAM REID	45	2:36.78 RICHARD CHANEY	45
200 M. BACK M E N 40-44		2:28.75 NEIL WASSERMAN	41	2:12.01 JOHN NOLAN	48	2:37.37 GARY HAFER	45
2:17.87 PAUL WINDRATH	94	2:30.77 RONALD KANE	43	2:12.02 R. TOD SPIEKER	48	2:37.48 BOB KOLONKOWSKI	48
2:29.25 BILL NELSON	44	2:31.10 CHARLES YOURD	44	2:14.55 DAVID TANNER	46	2:40.39 DANIEL MACGREGOR	46
2:30.71 JOHN CULHANE	40	2:31.63 ROBERT WRIGHT	42	2:14.94 DAVE MINER	48	50 M. BRST M E N 45-49	
2:31.36 CLAY EVANS	43	2:34.47 BART MCDERMOTT	40	2:15.77 LEONARD BROCKHAHN	45	31.83 ROBERT STRAND	95
2:33.27 DAVE ENGELBERT	40	2:35.71 NED MAGGIORA	41	2:16.76 PAUL SWEENEY	45	33.34 ALLEN STARK	47
2:33.63 FRANK THOMPSON	44	2:36.16 IAN PESSES	42	400 M. FREE M E N 45-49		33.78 DAVID ROTTHOFF	45
2:37.24 STEVE CLARK	44	2:36.56 MARK MONTGOMERY	40	4:18.44 TIM BRODERICK	96	33.87 WAYNE MCCAULEY	48
2:37.36 NEIL WASSERMAN	41	2:37.93 JOHN CHAMBERS	41	4:18.44 TIM BRODERICK	45	34.17 STEVEN HECK	47
2:38.02 FRED FARLEY	42	100 M. I.M. M E N 40-44		4:24.95 JIM MCCONICA	46	34.29 DANIEL ROGACKI	49
2:39.06 JOHN NIXON	41	1:02.30 RIC COOLEY	89	4:28.24 R. TOD SPIEKER	48	34.33 BOB LIOTTA	45
2:39.47 STEVE WEATHERMAN	40	1:02.83 SPENCER ELDRD	40	4:44.74 WILLIAM REID	45	34.38 ARTHUR DEFFAA	48
50 M. BRST M E N 40-44		1:03.72 DAVID BARNES	40	4:50.89 JOHN NOLAN	48	34.56 RONALD DUBOIS	47
30.80 C MILTENBERGER	93	1:04.63 THOMAS BOYD	40	4:52.27 JOHN QUINN	46	35.20 JAY MAHLER	48
31.59 SPENCER ELDRD	40	1:05.37 JOSE CUNNINGHAM	40	4:53.48 PAUL SWEENEY	45	35.34 STEPHEN WILDER	46
32.82 JOSE CUNNINGHAM	40	1:06.05 CLAY EVANS	43	4:56.31 CHIP GLIDDEN	46	100 M. BRST M E N 45-49	
33.19 KARL KAZMAIER	40	1:06.14 NED MAGGIORA	41	4:58.69 DANIEL HELTON	45	1:09.44 ROBERT STRAND	95
33.76 ERIC VANBOER	41	1:06.22 RICK ABBOTT	41	4:59.11 DAVID FOOTE	46	1:14.04 ALLEN STARK	47
34.08 ROBERT PUELS	44	1:06.38 BILL ADKISON	41	800 M. FREE M E N 45-49		1:15.77 DANIEL ROGACKI	49
34.32 JOE MAGIERA	40	1:07.68 ERIC VANBOER	41	8:56.08 TIM BRODERICK	96	1:15.78 STEVEN HECK	47
34.88 FRED FARLEY	42	1:07.76 TIMOTHY CLAYSON	42	8:56.08 TIM BRODERICK	45	1:16.06 SCOTT SCHLIEMAN	45
34.95 DAVID BARNES	41	200 M. I.M. M E N 40-44		9:28.55 TOD SPIEKER	48	1:17.32 DAVID ROTTHOFF	45
34.96 STEVE HANSEN	44	2:15.07 SPENCE ELDRD	96	9:46.01 JOHN NOLAN	48	1:17.74 JAY MAHLER	48
34.99 CLAY EVANS	43	2:15.07 SPENCER ELDRD	40	9:50.81 WILLIAM REID	45	1:17.98 STEPHEN WILDER	46
100 M. BRST M E N 40-44		2:20.38 DAVID BARNES	40	10:07.59 DAVID TANNER	46	1:18.11 BOB LIOTTA	45
1:07.98 C MILTENBERGER	93	2:25.82 NEIL WASSERMAN	41	10:14.74 DAVID FOOTE	46	1:18.24 WAYNE MCCAULEY	48
1:08.32 SPENCER ELDRD	40	2:26.27 NED MAGGIORA	41	10:26.69 CHIP GLIDDEN	46	1:18.63 RONALD DUBOIS	47
1:13.68 KARL KAZMAIER	40	2:29.73 CLAY EVANS	43	10:30.40 DANIEL MACGREGOR	46	200 M. BRST M E N 45-49	
1:13.82 JOSE CUNNINGHAM	40	2:31.92 BOB RUTH	43	10:32.94 JERRY STENEHJEM	46	2:34.41 ROBERT STRAND	95
1:15.19 ERIC VANBOER	41	2:33.56 TIMOTHY CLAYSON	42	10:34.63 VAN COCHRAN	46	2:46.11 ALLEN STARK	47
1:15.95 JOE MAGIERA	40	2:33.66 MARK MONTGOMERY	40	1500 M. FREE M E N 45-49		2:48.53 DANIEL ROGACKI	49
1:16.44 JIM WILLIAMS	40	2:33.94 MICHAEL HEATHER	42	17:19.87 TIM BRODERICK	96	2:48.94 SCOTT SCHLIEMAN	45
1:17.24 BILL ADKISON	41	2:35.26 ROBERT PUELS	44	17:19.87 TIM BRODERICK	45	2:49.53 JOHN DERR	47
1:17.47 JAMES HUGUENARD	42	400 M. I.M. M E N 40-44		17:40.02 JIM MCCONICA	46	2:49.80 DAVID LEVINSON	46
1:17.51 NED MAGGIORA	41	4:43.28 HESS YNTEMA	95	17:55.27 TOD SPIEKER	48	2:51.64 STEPHEN WILDER	46
1:17.97 BOB RUTH	43	5:04.55 DAVID BARNES	40	19:01.53 JOHN NOLAN	48	2:52.75 LARRY SPRUNK	48
200 M. BRST M E N 40-44		5:11.45 NEIL WASSERMAN	41	19:44.08 TOM ELLISON	46	2:53.08 STEVEN VAN NORT	45
2:30.67 SPENCE ELDRD	96	5:20.21 NED MAGGIORA	44	19:53.13 DANIEL MACGREGOR	46	2:53.72 JAY MAHLER	48
2:30.67 SPENCER ELDRD	40	5:22.19 CHARLES YOURD	41	19:57.31 JERRY STENEHJEM	46	2:54.01 BOB LIOTTA	45
2:45.13 JOE MAGIERA	40	5:24.41 CLAY EVANS	43	20:20.42 THOMAS MESTER	45	50 M. FLY M E N 45-49	
2:47.47 STEVE HANSEN	44	5:27.66 BILL ADKISON	41	20:30.17 MARK WORDEN	45	27.08 DAN THOMPSON	93
2:49.71 JIM WILLIAMS	40	5:29.16 JOHN CULHANE	40	20:33.54 FRANK MCQUIGAN	47	27.29 TOM PERRIN	45
2:49.86 JAMES HUGUENARD	42	5:32.69 ROBERT WRIGHT	42	50 M. BACK M E N 45-49		28.24 BOO GRANER GALLAS	49
2:55.38 PETER GRABER	42	5:36.43 FRED FARLEY	42	29.33 ROBERT SMITH	89	28.48 JOHN DERR	47
2:56.51 KARL KAZMAIER	41	5:37.36 BILL ADKINSON	41	31.14 DANIEL ROGACKI	49	28.75 STEVEN HECK	47
2:56.64 PAUL WRIGHT	41	50 M. FREE M E N 45-49		31.27 HUGH WILDER	49	29.27 MIKE SLENKER	49
2:57.58 GREG HEYES	42	25.07 RICHARD ABRAHAMS	91	31.45 STEVEN HECK	47	29.47 ARTHUR DEFFAA	48
2:58.47 EMIL EICHENBERGER	41	25.87 TIM BRODERICK	45	31.68 GARY HAFER	45	29.64 DANIEL ROGACKI	49
50 M. FLY M E N 40-44		26.12 DANIEL ROGACKI	49	31.77 J NATHAN LEECH	47	29.80 BRAD GLENN	47
26.35 RICK ABBOTT	95	26.51 STEVEN HECK	47	31.97 BOB KOLONKOWSKI	48	30.01 GLENN STOREY	46
27.15 CHARLES NORELLI	40	26.56 MICHAEL SLENKER	49	32.08 WILLIAM TINGLEY	46	30.06 DAVID TANNER	46
27.67 RICK ABBOTT	41	26.80 WILLIAM REID	45	32.60 DANIEL HELTON	45	100 M. FLY M E N 45-49	
27.76 KEVIN MCCORMACK	44	27.14 RANDY SIMONS	48	33.19 PAUL COX	45	1:01.13 TOM PERRIN	96
28.01 SANDY MAC DONALD	40	27.17 JOHN QUINN	46	33.27 LEONARD BROCKHAHN	45	1:01.13 TOM PERRIN	45
28.23 CRAIG BURNS	44	27.19 ROBERT MAESTRE	46	100 M. BACK M E N 45-49		1:02.03 BOO GRANER GALLAS	49
28.39 CLAY EVANS	43	27.28 DOUG PRENTICE	48	1:04.94 PETER O'KEEFFE	95	1:06.70 ARTHUR DEFFAA	48
28.50 DAVID BARNES	41	27.35 BRAD GLENN	47	1:06.80 TOD SPIEKER	48	1:07.52 JOHN DERR	47
28.59 JOSE CUNNINGHAM	40	100 M. FREE M E N 45-49		1:08.18 J NATHAN LEECH	47	1:07.52 DAVID LEVINSON	46
28.77 BILL ADKISON	41	55.87 TIM BRODERICK	96	1:08.90 HUGH WILDER	49	1:08.32 STEVEN VAN NORT	45
29.03 WAYNE KING	44	55.87 TIM BRODERICK	45	1:10.16 GARY HAFER	45	1:08.54 TOM COFFEY	45
100 M. FLY M E N 40-44		56.75 TOM PERRIN	45	1:11.83 DANIEL ROGACKI	49	1:08.94 LEONARD BROCKHAHN	45
58.87 HESS YNTEMA	95	58.46 WILLIAM REID	45	1:11.84 DANIEL HELTON	45	1:09.00 MIKE SLENKER	49
1:00.43 CHARLES NORELLI	40	59.07 STEVEN HECK	47	1:11.94 RICHARD CHANEY	45	1:09.75 DAVID TANNER	46
1:01.53 SANDY MAC DONALD	40	59.14 TOM COFFEY	45	1:12.75 WILLIAM TINGLEY	46	200 M. FLY M E N 45-49	
1:02.82 DAVID BARNES	40	59.47 JIM MCCONICA	46	1:12.84 BOB KOLONKOWSKI	48	2:19.73 BOO GRANER GALLAS	96

TOP TEN - SHORT COURSE METERS

2:19.73 BOO GRANER GALLAS 49	2:19.86 DONALD GALINE 50	2:51.55 DAVID HICKS 51	3:02.29 JOHN GRAHAM 50
2:26.02 DAVID TANNER 46	2:21.35 ROBERT POILETMAN 52	2:52.42 DOUG RAWN 51	100 M. I.M. M E N 50-54
2:33.60 JOHN NOLAN 48	2:23.55 DON DAVIS 52	2:53.35 PETER BETZER 54	1:04.97 ROBERT STRAND 96
2:35.22 DAVID LEVINSON 46	2:24.53 JOHN GRAHAM 50	2:56.15 TIM MAXSON 52	1:04.97 ROBERT STRAND 50
2:42.70 MARK WORDEN 45	2:25.99 DONALD KROEGER 52	50 M. BRST M E N 50-54	1:08.56 MICHAEL SLENKER 50
2:45.50 BOB KOLONKOWSKI 48	2:27.72 ROBERT WILLIAMS 53	32.01 ROBERT STRAND 96	1:09.50 JOHN CLAVERT 50
2:48.30 STEVEN VAN NORT 45	2:27.99 RON POHLONSKI 52	32.01 ROBERT STRAND 50	1:10.79 KEEFE LODWIG 53
2:53.07 DANIEL FISHER 45	400 M. FREE M E N 50-54	34.16 SCOTT GUTHRIE 51	1:11.52 JAMES BEGLINGER 50
3:05.15 JOE GOULET 46	4:40.16 ED CAZALET 92	34.40 JIM DRAGON 52	1:12.24 CHRIS OSTROM 50
3:05.59 BRAD WOELFEL 47	4:42.88 TIM BIRNIE 51	36.30 CHARLES LEE 52	1:12.38 DAVE FRANK 52
100 M. I.M. M E N 45-49	4:52.23 EDWARD CAZALET 54	36.37 T.VANDERVEEN 51	1:13.24 STEVEN THRASHER 54
1:04.80 ANDREW MCPHERSON 94	5:06.66 JIM MCCLEERY 50	36.40 DAVE FRANK 52	1:13.67 MARK GRASHOW 51
1:05.19 TOM PERRIN 45	5:09.87 DON DAVIS 51	36.48 CHRIS OSTROM 50	1:13.70 PAUL FIGUEIREDO 50
1:07.85 DANIEL ROGACKI 49	5:13.43 JOHN GRAHAM 50	36.78 PETER MICHEL 53	200 M. I.M. M E N 50-54
1:09.81 J NATHAN LEECH 47	5:18.11 ROBERT WILLIAMS 53	36.84 DAN WALTERS 50	2:26.64 JOHN CLAVERT 96
1:10.70 STEPHEN WILDER 46	5:22.20 DAVE QUIGGIN 52	36.94 KEN FROST 51	2:26.64 JOHN CALVERT 50
1:11.09 GLENN STOREY 46	5:23.64 BOB BOURASSA 54	100 M. BRST M E N 50-54	2:36.75 EDWARD CAZALET 54
1:11.13 JOHN DERR 47	5:27.47 JOHN QUANRUD 50	1:09.96 ROBERT STRAND 96	2:37.56 ROBERT POILETMAN 52
1:12.13 BOB LIOTTA 45	5:30.37 PAUL CHAFFEE 53	1:09.96 ROBERT STRAND 50	2:40.80 JAMES BEGLINGER 50
1:12.51 LEONARD BROCKHAHN 45	800 M. FREE M E N 50-54	1:18.26 SCOTT GUTHRIE 52	2:40.95 JIM MCCLEERY 50
1:12.61 STEVEN HECK 47	9:49.95 ED CAZALET 92	1:21.17 DAVE FRANK 52	2:44.27 STEVEN THRASHER 54
1:12.66 PAUL SWEENEY 45	9:51.30 TIM BIRNIE 51	1:22.22 JESSE SMYERS 50	2:45.39 DANIEL BLAKE 51
200 M. I.M. M E N 45-49	10:42.72 JOHN GRAHAM 50	1:22.31 KEN FROST 51	2:46.36 JOHN GRAHAM 50
2:23.69 STEVEN HECK 94	10:49.98 DON DAVIS 51	1:22.50 CHRIS OSTROM 50	2:51.48 STEVEN PETERSON 50
2:26.72 TOM PERRIN 45	11:36.11 PAUL CHAFFEE 53	1:22.63 CHARLES LEE 52	2:51.70 CHRIS OSTROM 50
2:30.02 JOHN NOLAN 48	11:37.01 DONALD KROEGER 53	1:23.45 PETER MICHEL 53	400 M. I.M. M E N 50-54
2:31.37 TOD SPIEKER 48	11:41.44 MIKE LAUX 54	1:23.59 JOE COPLAN 50	5:20.81 DRURY GALLAGHER 89
2:34.46 DAVID LEVINSON 46	11:49.81 WALTER MEARES 52	1:24.09 STEVE BARDEN 51	5:38.89 EDWARD CAZALET 54
2:35.81 DANIEL ROGACKI 49	11:53.90 RICHARD DOERR 52	200 M. BRST M E N 50-54	5:45.38 JIM MCCLEERY 50
2:36.66 STEPHEN WILDER 46	11:54.53 ALVARO PASTOR 50	2:34.71 ROBERT STRAND 96	5:51.15 GARY LANGENDOEN 51
2:37.97 RICHARD CHANEY 45	12:05.86 TOM MCTERNAN 53	2:34.71 ROBERT STRAND 50	5:51.98 PAUL FIGUEIREDO 50
2:39.17 STEVEN VAN NORT 45	1500 M. FREE M E N 50-54	2:56.44 T.VANDERVEEN 51	5:55.33 DENNIS MANRIQUE 50
2:39.74 DANIEL HELTON 45	18:45.18 RICHARD BOYD 94	2:58.26 ROBERT POILETMAN 52	6:06.70 JOHN GRAHAM 50
2:40.64 V. DANIELS 49	20:41.14 JOHN GRAHAM 50	2:58.49 STEVEN PETERSON 50	6:14.80 JOHN ZEIGLER 50
400 M. I.M. M E N 45-49	20:44.00 DENNIS MANRIQUE 50	3:00.91 ALLEN MURRAY 52	6:16.43 DAVID QUIGGIN 51
5:12.46 R.TOD SPIEKER 96	21:32.35 GUY LEWIS 53	3:01.14 STEVE BARDEN 51	6:26.32 GORDON DEMEESTER 54
5:12.46 R. TOD SPIEKER 48	21:37.74 STEVEN KOVARY 54	3:02.51 DON DAVIS 52	6:27.40 DONALD KROEGER 52
5:32.75 DAVID LEVINSON 46	21:54.79 DON DAVIS 52	3:04.39 RON POHLONSKI 52	50 M. FREE M E N 55-59
5:34.00 TOM COFFEY 45	22:18.80 DONALD KROEGER 53	3:04.54 JAMES BEGLINGER 50	26.60 DONALD HILL 89
5:39.20 DANIEL ROGACKI 48	22:30.93 JOHN ZEIGLER 50	3:04.54 CARL MORTENSEN 52	27.75 RICHARD BASSI 55
5:41.04 DANIEL MACGREGOR 46	23:23.65 BILL CONROY 53	3:04.81 CARL MORTENSEN 52	27.93 JAMES KRUEGER 57
5:44.56 IAN THOMPSON 46	23:33.07 THOMAS FINNEGAN 50	50 M. FLY M E N 50-54	28.51 MIKE FRESHLEY 55
5:45.89 STEPHEN WILDER 46	23:35.03 BILL RODENFELS 54	28.38 KEEFE LODWIG 96	28.65 MICHAEL MEALIFFE 56
5:49.52 BOB KOLONKOWSKI 48	50 M. BACK M E N 50-54	28.38 KEEFE LODWIG 53	29.12 JERRY KATZ 58
5:49.65 STEVEN VAN NORT 45	30.14 ROBERT SMITH 94	28.42 JOEL BURNS 50	29.50 MIKE LAUX 55
5:52.17 ARNOLD TOREN 46	30.46 ROBERT SMITH 53	28.87 MICHAEL SLENKER 50	29.57 DAVID PAINTER 58
50 M. FREE M E N 50-54	30.54 TIM BIRNIE 51	30.03 GARY LANGENDOEN 51	29.95 RONALD NAKATA 57
25.74 KEEFE LODWIG 96	31.95 EDWARD MATHEWSON 50	30.17 PAUL MONOHON 50	30.20 LOWELL JOHNSON 58
25.74 KEEFE LODWIG 53	33.17 RICHARD ALEXANDER 52	30.29 RICHARD ARLUCK 50	30.24 GEORGE THAYER 59
26.24 JIM DRAGON 52	33.28 JON STOUT 50	30.30 JULIUS YOUNG 50	100 M. FREE M E N 55-59
26.81 ROBERT SMITH 53	33.42 ROBERT VAN FOSSAN 50	30.38 CHRIS OSTROM 50	1:00.08 DONALD HILL 89
26.87 RICHARD ARLUCK 50	33.79 JAMES BEGLINGER 50	30.48 ROBERT SMITH 53	1:03.31 RICHARD BASSI 55
27.01 DAVID QUIGGIN 51	33.81 DAVID QUIGGIN 51	30.79 DAVID QUIGGIN 51	1:03.70 MIKE FRESHLEY 55
27.74 GARY LANGENDOEN 51	34.00 DONALD GALINE 50	100 M. FLY M E N 50-54	1:08.20 BILL EARLEY 59
27.88 JON STOUT 50	34.03 THOMAS FINNEGAN 50	1:03.76 JOEL BURNS 96	1:09.57 DAVID PAINTER 58
27.91 JACK GEOGHEGAN 54	100 M. BACK M E N 50-54	1:03.76 JOEL BURNS 50	1:10.22 JERRY GLANCY 59
27.99 EDWARD CAZALET 54	1:05.77 TIM BIRNIE 96	1:06.14 MICHAEL SLENKER 50	1:10.55 STEVE MOSELEY 58
28.05 MICHAEL SLENKER 50	1:05.77 TIM BIRNIE 50	1:06.96 GARY LANGENDOEN 51	1:10.93 CARL CHRISTENSEN 59
100 M. FREE M E N 50-54	1:08.96 STEVEN THRASHER 54	1:08.02 ROBERT POILETMAN 52	1:11.05 MIKE CALWELL 56
56.63 KEEFE LODWIG 96	1:09.39 JOHN CLAVERT 50	1:08.06 PAUL MONOHON 51	1:11.22 ERNIE LESKOVITZ 59
56.63 KEEFE LODWIG 53	1:10.28 ROBERT SMITH 53	1:09.30 BRIAN FOSS 54	1:11.94 RICHARD ALTHOR 56
57.68 TIM BIRNIE 51	1:12.79 EDWARD MATHEWSON 50	1:09.33 JOSEPH COPLAN 50	200 M. FREE M E N 55-59
59.07 RICHARD ARLOCK 51	1:13.42 RICHARD ALEXANDER 52	1:09.45 PAUL FIGUEIREDO 50	2:18.87 WILLIAM VAN HORN 95
1:00.01 DAVID QUIGGIN 51	1:14.58 JAMES BEGLINGER 50	1:11.30 JOE COPLAN 50	2:22.04 MURRAY MC LACHLAN 55
1:00.51 MICHAEL SLENKER 50	1:15.27 DAVID QUIGGIN 51	1:11.30 JIM MCCLEERY 50	2:24.16 MIKE FRESHLEY 55
1:00.95 JIM DRAGON 52	1:15.48 ROBERT VAN FOSSAN 50	200 M. FLY M E N 50-54	2:27.82 ERNIE LESKOVITZ 59
1:01.93 DONALD GALINE 50	1:16.11 DONALD GALINE 50	2:32.98 JOEL BURNS 96	2:38.13 PETER MOE 57
1:01.98 JACK GEOGHEGAN 54	200 M. BACK M E N 50-54	2:32.98 JOEL BURNS 50	2:38.57 JERRY GLANCY 58
1:02.56 DON DAVIS 52	2:24.39 TIM BIRNIE 96	2:37.18 GARY LANGENDOEN 51	2:40.57 HARRY HAMILTON 55
1:02.67 DAVE FRANK 52	2:24.39 TIM BIRNIE 51	2:39.27 ROBERT POILETMAN 52	2:40.57 HARRY HAMILTON 55
200 M. FREE M E N 50-54	2:34.58 STEVEN THRASHER 54	2:42.63 WILLIAM BROWN 50	2:41.80 MIKE CALWELL 56
2:06.76 TIM BIRNIE 96	2:43.37 JAMES BEGLINGER 50	2:45.38 JOE COPLAN 50	2:41.98 STEVE MOSELEY 58
2:06.76 TIM BIRNIE 51	2:47.84 EDWARD MATHEWSON 50	2:51.41 FRANCIS DANN 50	2:44.17 JOSEPH ZELSON 55
2:12.99 RICHARD ARLOCK 51	2:51.21 GORDON DEMEESTER 54	2:56.53 PAUL FIGUEIREDO 50	2:44.30 RICHARD MONAHAN 55
2:19.32 JACK GEOGHEGAN 54	2:51.38 KEN HICKEY 51	2:57.24 PAUL MONOHON 51	400 M. FREE M E N 55-59
		3:01.31 DON DAVIS 52	4:54.09 DRURY GALLAGHER 95

TOP TEN - SHORT COURSE METERS

5:00.31 TEGZE HARASZTI	55	38.26 DAVE DABOLL	59	1:18.52 BILL EARLEY	59	6:57.01 GEORGE BUSSE	64
5:04.44 DICK STEWART	56	38.59 MIKE FRESHLEY	55	1:18.80 CHUCK BABCOCK	56	800 M. FREE M E N 60-64	
5:09.26 STEVEN THRASHER	55	38.92 TOM MEISEL	56	1:19.22 GEORGE QUIGLEY	56	10:27.62 GRAHAM JOHNSTON	95
5:16.46 MEL GOLDSTEIN	58	39.19 WALT REID	55	1:19.52 HENRY SOUTHALL	56	11:41.41 DAVID RADCLIFF	62
5:31.44 JOSEPH ZELSON	55	39.70 DICK PETERSON	59	200 M. I.M. M E N 55-59		11:48.07 A. EMORY HAWORTH	60
5:35.84 GEORGE MANN	58	39.86 W. TIMKEN	57	2:40.88 DAVE COSTILL	91	12:18.77 JAMES JOHNSEN	61
5:36.86 MIKE FRESHLEY	55	40.10 PAT MADDEN	55	2:42.64 STEVEN THRASHER	55	12:23.63 TED REEVE	62
5:38.40 MIKE CALWELL	56	100 M. BRST M E N 55-59		2:46.82 MURRAY MC LACHLAN	55	12:28.96 MIKE MILLIMAN	62
5:40.29 HARRY HAMILTON	55	1:16.32 MANUEL SANGUILY	88	2:49.51 MIKE FRESHLEY	55	13:04.46 ELMER EGELKRAUT	62
5:47.95 RICHARD MONAHAN	55	1:20.46 TEGZE HARASZTI	55	2:52.80 MEL GOLDSTEIN	58	13:17.49 NEIL WORTMANN	61
800 M. FREE M E N 55-59		1:21.11 MIKE LAUX	55	2:52.87 W. TIMKEN	57	13:22.32 DICK CHISHOLM	61
10:12.80 DRURY GALLAGHER	95	1:22.52 JACK MCCOY	55	2:56.04 HENRY SOUTHALL	56	13:32.86 TOM MITCHELL	63
10:34.46 DICK STEWART	56	1:24.65 MIKE FRESHLEY	55	2:56.08 RICK EVANS	55	13:33.80 JAMES GARVIN	61
10:57.80 MEL GOLDSTEIN	58	1:26.76 DAVE DABOLL	59	3:01.61 CHUCK BABCOCK	56	1500 M. FREE M E N 60-64	
11:01.27 STEVEN THRASHER	55	1:28.35 DICK PETERSON	59	3:02.43 WILLIAM QUAYLE	55	19:48.44 GRAHAM JOHNSTON	95
11:08.81 MURRAY MC LACHLAN	55	1:29.24 WALT REID	55	3:05.22 WILLIAM CROWLEY	57	21:47.84 DAVID RADCLIFF	62
11:28.98 PATRICK SCHLUP	56	1:29.55 MILTON GEE	59	400 M. I.M. M E N 55-59		23:23.24 JAMES JOHNSEN	61
11:30.67 JOSEPH ZELSON	55	1:30.97 HUBERT LUGERT	56	5:30.62 DRURY GALLAGHER	95	25:16.20 DICK CHISHOLM	61
11:35.67 MIKE FRESHLEY	55	1:31.68 PAT MADDEN	55	5:57.18 STEVEN THRASHER	55	25:28.30 NEIL WORTMANN	61
11:45.35 RICHARD MONAHAN	55	200 M. BRST M E N 55-59		6:03.20 MURRAY MC LACHLAN	55	28:00.75 GEORGE BUSSE	64
11:54.65 BARRY FASBENDER	59	2:49.96 DRURY GALLAGHER	95	6:11.40 MIKE LAUX	55	28:09.69 FRANK BROWN	60
11:59.84 MIKE CALWELL	56	2:53.15 TEGZE HARASZTI	55	6:12.27 ERNIE LESKOVITZ	59	30:47.07 JOHN GRANEY	63
1500 M. FREE M E N 55-59		3:02.76 MIKE LAUX	55	6:12.50 RICK EVANS	55	50 M. BACK M E N 60-64	
19:45.72 DAVID HARRISON	94	3:04.16 MIKE FRESHLEY	55	6:13.25 MIKE FRESHLEY	55	34.05 JACK BEATTIE	94
20:08.47 TEGZE HARASZTI	55	3:13.60 DICK PETERSON	59	6:19.51 W. TIMKEN	57	34.34 BILL EARLEY	60
20:33.33 STEVEN THRASHER	55	3:15.79 WILLIAM CROWLEY	57	6:32.07 WILLIAM CROWLEY	57	36.85 CLARKE MITCHELL	64
20:35.86 DICK STEWART	56	3:17.97 MURRAY MC LACHLAN	55	6:36.85 BARRY FASBENDER	59	38.89 ALAN RAPPERPORT	62
21:09.86 ERNIE LESKOVITZ	59	3:18.72 WALT REID	55	6:43.70 BILL EARLEY	59	39.52 AMAR LATHI	60
21:39.63 HENRY SOUTHALL	56	3:23.82 HUBERT LUGERT	56	50 M. FREE M E N 60-64		40.37 KEN KOSTER	60
22:00.78 JOSEPH ZELSON	55	3:26.36 JERRY GLANCY	58	27.87 DON HILL	96	40.89 BILL ROBERTSON	60
22:00.86 RICHARD MONAHAN	55	3:28.29 JOHN MEDICI	58	27.87 DON HILL	64	40.96 PAUL CROWLEY	61
22:26.44 MIKE FRESHLEY	55	50 M. FLY M E N 55-59		28.80 CAV CAVANAUGH	60	41.20 C DENNY SAUNDERS	64
22:29.54 GEORGE MANN	58	29.78 RICHARD BASSI	96	29.07 BILL EARLEY	60	41.49 ALLAN KALB	61
22:59.11 RICK EVANS	55	29.78 RICHARD BASSI	55	29.84 BILL ROBERTSON	60	42.18 DOUG DONNER	63
50 M. BACK M E N 55-59		30.34 MICHAEL MEALIFFE	56	30.24 JACK BEATTIE	62	100 M. BACK M E N 60-64	
32.69 YOSHI OYAKAWA	89	31.80 JAMES KRUEGER	57	30.78 JOHN RIES	64	1:13.55 JACK BEATTIE	94
33.64 RICHARD BASSI	55	31.99 MIKE FRESHLEY	55	30.91 SID HALL	61	1:16.66 BILL EARLEY	60
34.87 BILL EARLEY	59	32.60 CHUCK BABCOCK	56	31.56 CHARLIE POTTS	61	1:23.73 CLARKE MITCHELL	64
35.41 MICHAEL MEALIFFE	56	33.18 RONALD NAKATA	57	31.58 ALLAN KALB	61	1:24.58 ALAN RAPPERPORT	62
35.88 RICK EVANS	55	33.29 JERRY KATZ	58	31.66 JOE ILLICK	61	1:30.56 JAMES JOHNSEN	61
36.93 GEORGE QUIGLEY	56	33.36 DAVID GILLANDERS	57	100 M. FREE M E N 60-64		1:30.73 MIKE MILLIMAN	62
37.10 MIKE FRESHLEY	55	33.42 BERT PETERSEN	58	1:02.08 BOB BAILIE	95	1:30.78 AMAR LATHI	60
37.22 LOWELL JOHNSON	58	33.97 TONY SILVESTRI	56	1:05.35 DAVID RADCLIFF	62	1:31.78 ALLAN KALB	61
37.24 JERRY GLANCY	58	100 M. FLY M E N 55-59		1:05.64 CAV CAVANAUGH	61	1:32.09 DICK SLAWSON	60
37.27 LEE BETTIS	57	1:09.63 ROBERT PROEBSTING93		1:06.16 BILL ROBERTSON	60	1:33.17 ROBERT MAUL	62
37.54 CARL CHRISTENSEN	59	1:14.02 MIKE LAUX	55	1:07.68 BILL EARLEY	60	1:33.29 SID HALL	61
100 M. BACK M E N 55-59		1:14.25 RICHARD BASSI	55	1:09.88 JOHN RIES	64	200 M. BACK M E N 60-64	
1:11.04 STEVEN THRASHER	96	1:15.83 JAMES KRUEGER	57	1:10.49 BOB BEST	64	2:40.75 JACK BEATTIE	94
1:11.04 STEVEN THRASHER	55	1:19.50 TONY SILVESTRI	56	1:10.70 ALLAN KALB	61	3:00.83 BILL EARLEY	60
1:15.12 RICHARD BASSI	55	1:20.17 HENRY SOUTHALL	56	1:12.16 JAMES JOHNSEN	61	3:04.07 ALAN RAPPERPORT	63
1:17.38 MICHAEL MEALIFFE	56	1:21.60 CHUCK BABCOCK	56	1:12.58 SID HALL	61	3:07.98 CLARKE MITCHELL	64
1:18.73 JERRY GLANCY	59	1:22.07 MIKE FRESHLEY	55	1:12.91 DAVE DRUM	60	3:20.26 JOHN BLECK	63
1:18.92 RICK EVANS	55	1:24.18 HARRY HAMILTON	55	200 M. FREE M E N 60-64		3:22.67 DICK SLAWSON	60
1:19.96 GEORGE QUIGLEY	56	1:24.27 BARRY FASBENDER	59	2:21.31 GRAHAM JOHNSTON	95	3:23.53 ALLAN KALB	61
1:20.14 LEE BETTIS	57	1:28.96 DAVID PAINTER	58	2:30.41 BILL ROBERTSON	60	3:33.81 EDWIN ROONEY	63
1:22.24 MIKE FRESHLEY	55	200 M. FLY M E N 55-59		2:31.73 CAV CAVANAUGH	61	3:34.09 ARTHUR WELCH	64
1:22.60 BILL EARLEY	59	2:42.05 ROBERT PROEBSTING93		2:32.08 DAVID RADCLIFF	62	3:35.61 DOUG DONNER	63
1:24.29 DAVID GILLANDERS	57	2:52.99 MIKE LAUX	55	2:35.75 BILL EARLEY	60	3:38.89 BRUCE KURTZ	60
200 M. BACK M E N 55-59		2:59.84 W. TIMKEN	57	2:37.36 JOHN RIES	64	50 M. BRST M E N 60-64	
2:37.05 STEVEN THRASHER	96	3:02.14 ERNIE LESKOVITZ	59	2:43.59 BOB BEST	64	35.31 JOHN KORTHEUER	91
2:37.05 STEVEN THRASHER	55	3:09.96 PHILIP IORIO	55	2:44.11 A. EMORY HAWORTH	60	38.87 BOB BEST	64
2:47.34 RICHARD BASSI	55	3:17.71 MIKE FRESHLEY	55	2:45.20 ALLAN KALB	61	40.13 STAN MORNER	62
2:49.65 JERRY GLANCY	58	3:18.40 BARRY FASBENDER	59	2:47.68 JAMES JOHNSEN	61	40.22 WALLY DOBLER	62
2:55.91 GEORGE QUIGLEY	56	3:28.98 JOE BOLZE	56	2:48.67 ELMER EGELKRAUT	62	40.39 BILL EARLEY	60
2:58.17 LEE BETTIS	57	3:40.82 WILLIAM QUAYLE	55	400 M. FREE M E N 60-64		41.62 DOUGLAS HOLMES	60
3:13.67 JOHN TRAINER	59	3:42.32 EDWARD MORGAN	56	4:56.69 GRAHAM JOHNSTON	95	41.80 JOEL JACOBS	60
3:15.82 ROBERT ADAMS	58	3:54.82 KEITH BARTON	57	5:30.60 DAVID RADCLIFF	62	42.35 SID HALL	61
3:16.11 JIM GIBBS	55	100 M. I.M. M E N 55-59		5:39.95 CAV CAVANAUGH	61	42.38 CLARKE MITCHELL	64
3:17.69 BARRY FASBENDER	59	1:11.04 DRURY GALLAGHER	95	5:51.64 BILL EARLEY	60	42.68 ED CURTIS	61
3:20.11 WILLIAM CROWLEY	57	1:12.52 RICHARD BASSI	55	5:51.80 A. EMORY HAWORTH	60	42.83 CHARLIE POTTS	61
50 M. BRST M E N 55-59		1:15.25 MIKE FRESHLEY	55	5:52.42 STAN MORNER	62	100 M. BRST M E N 60-64	
33.77 MANUEL SANGUILY	89	1:16.94 MICHAEL MEALIFFE	56	5:56.24 TED REEVE	62	1:18.77 JOHN KORTHEUER	91
36.50 JACK MCCOY	55	1:17.68 RICK EVANS	55	6:05.53 ELMER EGELKRAUT	62	1:28.43 BOB BEST	64
36.69 MIKE LAUX	55	1:17.72 JAMES KRUEGER	57	6:15.56 CHARLES KOHNKEN	64	1:32.30 JOEL JACOBS	60
37.61 TEGZE HARASZTI	55	1:18.33 MEL GOLDSTEIN	58	6:49.17 NICHOLAS BERENYI	64	1:34.46 GEORGE BRUGGEMAN	61

TOP TEN - SHORT COURSE METERS

1:34.63 A. EMORY HAWORTH 60	3:17.31 CLARKE MITCHELL 64	19:53.18 GRAHAM JOHNSTON 96	3:43.28 ALBERT SCHELL 65
1:34.97 CLARKE MITCHELL 64	3:28.67 DONALD RICE 63	19:53.18 GRAHAM JOHNSTON 65	3:44.28 MILTON MARKS 66
1:35.33 JOHN BLECK 63	3:35.19 NEIL WORTMANN 61	24:06.71 KEN KIMBALL 66	3:45.07 IRWIN STOLZ 66
1:35.82 SID HALL 61	3:37.20 NICHOLAS BERENYI 64	25:01.27 HARVEY PROSSER 68	3:46.00 LARRY SVANE 66
1:36.26 JAMES JOHNSEN 61	400 M. I.M. M E N 60-64	25:20.25 W MORGAN BYERS 69	3:51.31 AARON KURTZMAN 67
1:37.38 JOHN VAN HORN 64	6:02.73 GRAHAM JOHNSTON 93	26:13.32 BILL PAYNE 67	3:51.40 WILLIAM CANNON 66
1:38.95 NICHOLAS BERENYI 64	6:33.05 BILL EARLEY 60	26:14.55 DON KORTEN 69	3:53.69 GENE SAPPER 67
200 M. BRST M E N 60-64	6:58.09 HERB KERN 64	26:18.90 JAMES PITTS 65	3:56.25 JOHN DAILY 68
3:00.71 JOHN KORTHEUER 91	6:58.36 BOB BEST 64	26:48.75 JORDAN WOLLE 68	50 M. FLY M E N 65-69
3:18.26 A. EMORY HAWORTH 60	7:04.65 BILL ROBERTSON 60	27:27.72 DAVID STALEY 66	31.87 RON JOHNSON 96
3:22.25 JOEL JACOBS 60	7:42.51 NEIL WORTMANN 61	27:53.40 HARLAN DRAKE 68	31.87 RON JOHNSON 65
3:25.23 BOB BEST 64	8:08.48 DAVID GLADFELTER 60	50 M. BACK M E N 65-69	34.05 JOHN KORTHEUER 65
3:26.36 DOUGLAS HOLMES 60	8:49.51 TOM FOLEY 62	35.06 RON JOHNSON 96	34.42 HAL BEGEL 66
3:27.50 JOHN BLECK 63	8:56.26 PICKETT SIMPSON 60	35.06 RON JOHNSON 65	36.01 WILLIAM IRWIN 68
3:31.73 SID HALL 61	50 M. FREE M E N 65-69	38.30 RICHARD BENNETT 66	36.41 LEN GOLDSTONE 66
3:32.49 JAMES JOHNSEN 61	29.34 RON JOHNSON 96	38.66 DUANE DRAVES 69	36.58 DONALD BAKER 65
3:32.97 GEORGE BRUGGEMAN 61	29.34 RON JOHNSON 65	39.93 KEN KIMBALL 66	36.85 HARRY HUNSICKER 66
3:35.72 CARL PENZEL 62	30.96 DONALD BAKER 65	40.03 STAN MCCONNELL 65	37.67 GRAHAM JOHNSTON 65
3:36.53 DICK SLAWSON 60	30.98 DICK WEBBER 67	40.58 BERNARD KAHN 66	38.36 DICK WEBBER 67
50 M. FLY M E N 60-64	31.04 HAL BEGEL 66	40.91 HAL BEGEL 66	38.37 DONALD HUBBARD 69
30.34 BOB BAILIE 95	31.04 JOHN RIES 65	42.13 DICK BOWER 66	100 M. FLY M E N 65-69
32.95 CAV CAVANAUGH 61	31.09 GRAHAM JOHNSTON 65	42.18 ALFRED KAPTOR 69	1:19.17 RON JOHNSON 96
33.94 BILL ROBERTSON 60	31.17 BOB CONGELLIERE 67	42.87 JIM CALDWELL 65	1:19.17 RON JOHNSON 65
34.03 HERB KERN 64	31.39 KEN KIMBALL 66	100 M. BACK M E N 65-69	1:21.72 HARRY HUNSICKER 66
34.47 WALLY DOBLER 62	31.86 DICK BOWER 66	1:19.07 ROGER FRANKS 94	1:26.23 HAL BEGEL 66
34.72 BILL EARLEY 60	31.91 JAMES PITTS 65	1:19.74 RON JOHNSON 65	1:29.27 LEN GOLDSTONE 66
34.85 A. EMORY HAWORTH 60	100 M. FREE M E N 65-69	1:26.35 DUANE DRAVES 69	1:31.63 CHARLES MOSS 67
35.10 DAVE DRUM 60	1:07.13 FRANK PIEMME 90	1:26.95 KENNETH KIMBALL 65	1:33.04 DONALD BAKER 65
35.85 CLARKE MITCHELL 64	1:07.28 GRAHAM JOHNSTON 65	1:30.41 BERNARD KAHN 66	1:37.17 JOHN LENARD 65
36.04 BOB BEST 64	1:08.90 JOHN RIES 65	1:30.44 CHARLES MOSS 67	1:37.71 DONALD HUBBARD 69
37.00 STAN MORNER 62	1:10.01 DONALD BAKER 65	1:30.46 STAN MCCONNELL 65	1:39.29 GENE SAPPER 67
100 M. FLY M E N 60-64	1:10.40 WILLIAM PHILLIPS 68	1:33.23 DONALD BAKER 65	1:41.59 ERIC GUEST 67
1:15.69 JOHN KORTHEUER 91	1:11.91 HAL BEGEL 66	1:35.88 HAROLD DESMIDT 67	200 M. FLY M E N 65-69
1:25.89 A. EMORY HAWORTH 60	1:12.65 KEN KIMBALL 66	1:35.96 W MORGAN BYERS 69	3:06.43 RON JOHNSON 96
1:27.05 STAN MORNER 62	1:12.88 DICK BOWER 66	1:40.83 ALBERT SCHELL 65	3:06.43 RON JOHNSON 65
1:28.30 CLARKE MITCHELL 64	1:13.96 JAMES PITTS 65	200 M. BACK M E N 65-69	3:16.42 LEN GOLDSTONE 66
1:29.50 AMAR LATHI 60	1:14.08 WILLIAM DOLAN 67	2:52.77 ROGER FRANKS 94	3:30.10 CHARLES MOSS 67
1:29.56 BILL EARLEY 60	1:14.38 ROGER CAMPBELL 66	3:15.17 KEN KIMBALL 66	3:39.46 JOHN LENARD 66
1:30.28 HERB KERN 64	200 M. FREE M E N 65-69	3:15.23 DUANE DRAVES 69	3:50.00 DONALD BAKER 65
1:31.49 DONALD RICE 63	2:30.15 WILLIAM PHILLIPS 95	3:23.89 STAN MCCONNELL 65	3:55.24 GENE SAPPER 67
1:36.67 DOUGLAS HOLMES 60	2:22.55 GRAHAM JOHNSTON 65NV	3:27.93 HAROLD DESMIDT 67	3:58.56 DAVID STALEY 66
1:38.55 PARRY O'BRIEN 64	2:41.52 WILLIAM PHILLIPS 68	3:33.35 W MORGAN BYERS 69	4:01.22 IRWIN STOLZ 66
1:39.08 ELMER EGELKRAUT 62	2:45.00 KEN KIMBALL 66	3:47.27 DON KORTEN 69	4:02.28 WILLIAM CANNON 66
200 M. FLY M E N 60-64	2:45.55 ROGER CAMPBELL 66	3:48.52 DICK BOWER 66	4:15.16 DONALD HUBBARD 69
3:00.48 HARRY HUNSICKER 93	2:47.97 LEN GOLDSTONE 66	3:50.06 ISAAC SISKIND 68	100 M. I.M. M E N 65-69
3:29.67 HERB KERN 64	2:49.19 DONALD BAKER 65	3:54.28 JOHN FRUIN 68	1:15.61 RON JOHNSON 96
3:32.75 BOB BEST 64	2:51.69 JAMES PITTS 65	4:25.11 JOHN JOENS 65	1:15.61 RON JOHNSON 65
3:33.13 AMAR LATHI 60	2:55.13 W MORGAN BYERS 69	50 M. BRST M E N 65-69	1:18.79 JOHN KORTHEUER 65
3:38.42 ELMER EGELKRAUT 62	2:59.63 JOHN LENARD 65	38.18 JOSEPH KURTZMAN 91	1:18.79 GRAHAM JOHNSTON 65
4:01.40 PARRY O'BRIEN 64	2:59.88 GEORGE ERSWELL 69	38.35 JOHN KORTHEUER 65	1:24.27 DONALD BAKER 65
4:03.13 DAVID HARRINGTON 61	400 M. FREE M E N 65-69	39.33 RON JOHNSON 65	1:24.70 LEN GOLDSTONE 66
4:03.33 DONALD MESSER 64	5:09.09 GRAHAM JOHNSTON 96	41.26 CHARLES MOSS 67	1:25.75 CHARLES MOSS 67
4:19.95 DAVID GLADFELTER 60	5:09.09 GRAHAM JOHNSTON 65	41.35 MILTON MARKS 66	1:26.72 JOHN RIES 65
4:20.70 BRUCE KURTZ 60	5:32.95 WILLIAM PHILLIPS 68	41.68 AARON KURTZMAN 67	1:27.43 WILLIAM IRWIN 68
4:20.93 NICHOLAS BERENYI 64	5:53.35 ROGER CAMPBELL 66	42.05 KENNETH FLYNN 66	1:31.14 JOHN LENARD 66
100 M. I.M. M E N 60-64	5:55.27 THOMAS TAYLOR 65	42.31 THOMAS TAYLOR 65	1:31.39 DON KORTEN 69
1:14.68 JOHN KORTHEUER 91	5:58.36 KENNETH KIMBALL 65	43.26 DONALD BAKER 65	200 M. I.M. M E N 65-69
1:16.27 BILL EARLEY 60	6:10.43 JAMES PITTS 65	44.02 GENE SAPPER 67	2:53.99 RON JOHNSON 96
1:18.84 CAV CAVANAUGH 60	6:19.60 JOHN LENARD 65	45.04 AUGUST MOTMANS 69	2:53.13 GRAHAM JOHNSTON 65NV
1:19.50 WALLY DOBLER 62	6:23.64 DICK BOWER 66	100 M. BRST M E N 65-69	2:53.99 RON JOHNSON 66
1:20.21 A. EMORY HAWORTH 60	6:23.92 HARVEY PROSSER 68	1:24.18 JOHN KORTHEUER 96	3:07.86 LEN GOLDSTONE 66
1:21.49 BILL ROBERTSON 60	6:28.36 DONALD BAKER 65	1:24.18 JOHN KORTHEUER 65	3:11.84 CHARLES MOSS 67
1:22.87 HERB KERN 64	800 M. FREE M E N 65-69	1:26.37 HARRY HUNSICKER 66	3:21.92 JOHN LENARD 65
1:23.17 ALAN RAPPERPORT 62	10:35.13 GRAHAM JOHNSTON 96	1:37.52 KENNETH FLYNN 66	3:22.23 DONALD BAKER 65
1:23.36 BOB BEST 64	10:35.13 GRAHAM JOHNSTON 65	1:38.40 MILTON MARKS 66	3:27.94 W MORGAN BYERS 69
1:23.52 DAVE DRUM 60	12:12.12 ROGER CAMPBELL 66	1:38.62 THOMAS TAYLOR 65	3:29.90 ERIC GUEST 67
1:24.49 CLARKE MITCHELL 64	12:18.27 KEN KIMBALL 66	1:38.79 JOHN LENARD 65	3:30.73 LARRY SVANE 66
200 M. I.M. M E N 60-64	12:59.20 JAMES PITTS 65	1:39.36 GENE SAPPER 67	3:35.65 IRWIN STOLZ 66
2:46.69 GRAHAM JOHNSTON 91	13:28.56 W MORGAN BYERS 69	1:39.62 DONALD BAKER 65	400 M. I.M. M E N 65-69
2:55.42 BILL EARLEY 60	13:48.31 BILL PAYNE 67	1:39.98 AARON KURTZMAN 67	6:04.40 GRAHAM JOHNSTON 96
2:57.68 A. EMORY HAWORTH 60	13:59.27 DON KORTEN 69	1:40.13 ALBERT SCHELL 65	6:04.40 GRAHAM JOHNSTON 65
3:02.38 BILL ROBERTSON 60	14:13.12 JORDAN WOLLE 68	200 M. BRST M E N 65-69	7:07.84 CHARLES MOSS 67
3:05.97 BOB BEST 64	14:34.26 DAVID STALEY 66	3:16.65 CHARLES MOSS 93	7:30.61 DONALD BAKER 65
3:09.89 HERB KERN 64	14:48.48 FRANK SAMOYA 69	3:26.72 THOMAS TAYLOR 65	7:36.63 BUD SCHUMACHER 66
3:14.22 JAMES JOHNSEN 61	1500 M. FREE M E N 65-69	3:41.69 DONALD BAKER 65	7:38.84 DON KORTEN 69

TOP TEN - SHORT COURSE METERS

7:55.86	DAVID STALEY	66	35.71	PAUL HUTINGER	94	38.46	DUANE DRAVES	70	1:13.47	RAY TAFT	95
7:59.98	WILLIAM CANNON	66	40.26	DUANE DRAVES	70	39.36	MATTHEW FLANAGAN	70	1:22.99	ALDO DA ROSA	78
8:22.71	JOHN DAILY	68	41.26	WILLIAM HAYNES	70	40.53	KEITH CARTER	72	1:23.09	STEVE CARLSON	77
8:29.20	GENE SAPPER	67	42.24	GEORGE BRINTON	72	41.38	JOHN FLORANCE	73	1:23.21	BOB MERRICK	76
8:38.90	ISAAC SISKIND	68	42.44	JOHN MURPHY	72	41.39	WILLIAM SELIGMANN	71	1:26.86	LOUIS GIBERSON	76
50 M. FREE M E N 70-74			42.99	MATTHEW FLANAGAN	70	41.55	JURGEN SCHMIDT	73	1:26.95	ROBERT MOSARD	75
30.59	FRANK PIEMME	95	43.46	DONALD AGATE	74	43.56	GEORGE BRINTON	72	1:32.74	BOB ACKER	75
31.04	FRANK PIEMME	71	44.17	GAETANO PAVONE	74	44.53	JOHN WOODS	73	1:38.19	WILLIAM MOORE	75
32.58	PAUL HUTINGER	71	45.01	JOHN WOODS	73	100 M. FLY M E N 70-74			1:39.01	JERRY SIEFERT	78
33.53	JOHN FLORANCE	73	45.13	DWIGHT BROWN	71	1:26.98	JOSEPH KURTZMAN	96	1:40.12	ED LAMBERT	75
33.94	ED KERSWILL	70	46.33	WILFORD DOLPHIN	70	1:26.98	JOSEPH KURTZMAN	70	1:40.40	LYNN SURLES	79
34.19	ROBERT BLAKE	71	100 M. BACK M E N 70-74			1:43.44	KEITH CARTER	72	200 M. FREE M E N 75-79		
34.48	DONALD AGATE	74	1:21.74	PAUL HUTINGER	94	1:45.92	LEE ARTH	71	2:48.67	RAY TAFT	94
35.46	JOHN REESE	70	1:28.13	DUANE DRAVES	70	1:57.96	JOHN STERN	72	3:05.21	ALDO DA ROSA	78
35.53	MATTHEW FLANAGAN	70	1:31.76	WILLIAM HAYNES	70	2:04.37	WARREN FOSTER	70	3:09.02	STEVE CARLSON	77
35.84	JURGEN SCHMIDT	73	1:33.41	GEORGE BRINTON	72	2:12.79	ALEX MCINTOSH	72	3:15.09	BOB MERRICK	76
36.06	DWIGHT BROWN	71	1:37.31	JOHN MURPHY	72	2:22.74	RICHARD EVANS	71	3:17.18	FRED TAIOLI	75
100 M. FREE M E N 70-74			1:39.27	LEE ARTH	71	2:37.38	BOB DOVD	72	3:33.48	BOB ACKER	75
1:09.00	FRANK PIEMME	95	1:42.92	JOHN WOODS	73	2:44.10	JAY CHARLES	73	3:38.59	RICHARD GUIDO	79
1:11.55	FRANK PIEMME	71	1:44.15	WILFORD DOLPHIN	70	2:52.04	VAL OUCHAKOF	72	3:51.30	LYNN SURLES	79
1:14.91	ED KERSWILL	70	1:45.10	GEORGE MELICK	72	200 M. FLY M E N 70-74			3:57.06	HAL YOUNG	75
1:19.09	JOHN FLORANCE	73	1:45.77	EARL WALTER	74	3:26.07	JOSEPH KURTZMAN	96	3:58.93	TONY VITALE	75
1:19.63	ROBERT BLAKE	71	1:49.65	JAMES WILLIAMSON	72	3:26.07	JOSEPH KURTZMAN	70	3:59.09	JOHN MERRILL	78
1:20.01	HARRY ALBINGER	70	200 M. BACK M E N 70-74			3:48.33	LEE ARTH	71	400 M. FREE M E N 75-79		
1:20.98	WAYNE SHADBOLT	71	2:59.92	PAUL HUTINGER	94	4:05.67	KEITH CARTER	72	6:02.95	RAY TAFT	95
1:23.28	WILLIAM HAYNES	70	3:14.28	DUANE DRAVES	70	4:42.04	WARREN FOSTER	70	6:35.82	ALDO DA ROSA	78
1:23.72	JOSEPH COVEY	70	3:21.66	WILLIAM HAYNES	70	5:06.32	RICHARD EVANS	71	6:44.67	STEVE CARLSON	77
1:24.56	JURGEN SCHMIDT	73	3:33.26	LEE ARTH	71	7:33.72	T JOHNSON	74	6:54.74	FRED TAIOLI	75
1:25.08	JOHN WOODS	73	3:38.46	GAETANO PAVONE	74	100 M. I.M. M E N 70-74			7:03.96	BOB ACKER	75
200 M. FREE M E N 70-74			3:38.47	GEORGE BRINTON	72	1:20.99	FRANK PIEMME	95	7:33.49	LOUIS GIBERSON	76
2:37.86	FRANK PIEMME	95	3:44.57	WILFORD DOLPHIN	71	1:24.99	FRANK PIEMME	71	7:51.07	BUD JACKSON	77
2:42.39	FRANK PIEMME	71	3:45.43	JOHN MURPHY	72	1:32.36	MATTHEW FLANAGAN	70	7:54.07	ED LAMBERT	75
2:53.88	ED KERSWILL	70	3:49.65	JOHN WOODS	73	1:36.11	WILLIAM HAYNES	70	8:01.00	JOHN MERRILL	78
3:00.93	ROBERT BLAKE	71	3:54.11	JOHN CRANCH	73	1:37.20	ED KERSWILL	70	8:15.35	JOHN WOODS	78
3:04.68	JURGEN SCHMIDT	73	3:55.72	JAMES WILLIAMSON	72	1:37.51	LEE ARTH	71	8:19.94	TONY VITALE	75
3:05.66	LEE ARTH	71	50 M. BRST M E N 70-74			1:41.56	JURGEN SCHMIDT	73	800 M. FREE M E N 75-79		
3:05.88	WAYNE SHADBOLT	71	39.74	JOSEPH KURTZMAN	96	1:41.62	EARL WALTER	74	12:45.40	RAY TAFT	94
3:07.99	JOHN WOODS	73	39.74	JOSEPH KURTZMAN	70	1:42.71	JOHN EMANUEL	71	13:52.03	ALDO DA ROSA	78
3:08.78	BENEDICT REYNOLDS	71	42.47	MATTHEW FLANAGAN	70	1:43.95	WAYNE SHADBOLT	72	14:14.24	FRED TAIOLI	75
3:09.83	GILBERT YOUNG	74	44.16	PAUL HUTINGER	71	1:45.39	JOHN WOODS	73	14:58.95	BOB MERRICK	76
3:11.49	HARRY ALBINGER	70	44.92	TOM DOWELL	74	200 M. I.M. M E N 70-74			15:36.66	BARNET PHILLIPS	78
400 M. FREE M E N 70-74			45.44	JOHN REESE	70	3:05.96	FRANK PIEMME	95	15:55.78	BUD JACKSON	76
5:35.49	FRANK PIEMME	95	46.34	GEORGE MELICK	71	3:16.12	FRANK PIEMME	71	16:04.22	JOHN MERRILL	78
6:02.66	ED KERSWILL	70	46.90	ABRASHA BRAININ	73	3:29.75	LEE ARTH	71	16:37.15	JOHN WOODS	78
6:05.92	FRANK PIEMME	71	47.31	LEE ARTH	71	3:39.83	JURGEN SCHMIDT	73	17:48.72	TONY VITALE	75
6:33.51	LEE ARTH	71	47.67	JOHN EMANUEL	71	3:46.25	JOHN EMANUEL	71	19:16.20	HAL YOUNG	75
6:40.26	JURGEN SCHMIDT	73	47.71	JOHN FLORANCE	73	4:03.02	PIERCE BRAY	72	19:35.26	DONALD MAY	75
6:42.31	ROBERT BLAKE	71	100 M. BRST M E N 70-74			4:09.50	JAMES WORREL	74	1500 M. FREE M E N 75-79		
6:43.67	GILBERT YOUNG	74	1:29.48	BARTON GREENBERG	94	4:11.11	RICHARD DANIEL	70	24:46.19	ALDO DA ROSA	93
6:44.77	WAYNE SHADBOLT	71	1:36.32	FRANK PIEMME	71	4:11.74	DOUG STRONG	71	27:49.11	BOB MERRICK	76
6:53.60	DOUG STRONG	71	1:43.47	LEE ARTH	71	4:11.88	VESTER BOONE	71	30:01.93	JOHN MERRILL	78
7:05.42	HARRY ALBINGER	70	1:46.69	NORMAN GARSOE	72	4:28.63	AL ROGERSON	71	31:05.73	JOHN WOODS	78
7:11.05	JAMES WILLIAMSON	72	1:47.45	KEITH CARTER	72	400 M. I.M. M E N 70-74			33:23.60	TONY VITALE	75
800 M. FREE M E N 70-74			1:48.36	GEORGE MELICK	71	6:38.98	FRANK PIEMME	95	36:12.35	HAL YOUNG	75
11:38.41	FRANK PIEMME	95	1:51.06	JOHN REESE	70	7:53.83	EARL WALTER	74	36:46.45	JOSEPH MALLON	75
12:21.00	FRANK PIEMME	71	1:52.53	JOHN STERN	72	8:17.73	KEITH CARTER	72	39:11.72	DONALD MAY	75
12:42.37	ED KERSWILL	70	1:54.36	VESTER BOONE	71	8:40.26	ROBERT BLAKE	71	50 M. BACK M E N 75-79		
13:28.48	DUANE DRAVES	70	1:54.71	ED SIMMERS	70	10:36.52	AL ROGERSON	71	39.83	RAY TAFT	94
13:33.46	LEE ARTH	71	1:54.96	JAMES WORREL	73	11:21.24	VAL OUCHAKOF	72	43.36	RAYMOND TAFT	77
13:44.39	JURGEN SCHMIDT	73	200 M. BRST M E N 70-74			11:48.44	FRANK SCHURR	74	44.81	ANDREW HOLDEN	77
13:47.33	ROBERT BLAKE	71	3:23.16	FRANK PIEMME	95	12:51.42	DAN MC NEIL	73	45.36	EARL WALTER	75
13:56.51	GILBERT YOUNG	74	3:31.81	FRANK PIEMME	71	13:17.77	T JOHNSON	74	49.70	BRION WINSHIP	78
14:21.26	DOUG STRONG	71	3:45.10	LEE ARTH	71	50 M. FREE M E N 75-79			49.84	AL VANDE WEGHE	79
14:40.90	BENEDICT REYNOLDS	71	3:58.83	NORMAN GARSOE	72	32.78	KELLEY LEMMON	88	52.86	GORDON KIDD	76
15:16.13	VESTER BOONE	71	4:06.71	ED SIMMERS	70	35.00	ANDREW HOLDEN	77	55.27	WILLIAM PATTEN	78
1500 M. FREE M E N 70-74			4:09.11	VESTER BOONE	71	36.72	ALDO DA ROSA	78	55.28	JOHN BROUK	79
22:44.45	FRANK PIEMME	95	4:10.25	GEORGE MELICK	71	36.77	STEVE CARLSON	77	57.18	JOHN BLOCHER	77
26:15.50	JURGEN SCHMIDT	73	4:11.67	JAMES WORREL	74	37.28	EARL WALTER	75	58.06	RUPERT FIXOTT	75
26:52.98	GILBERT YOUNG	74	4:13.31	JOHN STERN	72	37.31	LOUIS GIBERSON	76	100 M. BACK M E N 75-79		
30:31.83	JOAQUIN SILVERIO	70	4:16.71	JURGEN SCHMIDT	73	37.70	BOB MERRICK	76	1:27.41	RAY TAFT	94
30:39.75	JIM EDWARDS	73	4:22.33	JAMES WILLIAMSON	72	37.72	ROBERT MOSARD	75	1:40.26	ALDO DA ROSA	78
30:41.37	R. BRIESEMEISTER	71	50 M. FLY M E N 70-74			38.49	BARNET PHILLIPS	78	1:52.25	AL VANDE WEGHE	79
32:48.11	BOB DOVD	72	34.77	FRANK PIEMME	95	39.05	WILLIAM MOORE	75	1:53.63	BRION WINSHIP	78
41:29.89	T JOHNSON	74	36.36	FRANK PIEMME	71	39.11	JERRY SIEFERT	78	2:03.12	GORDON KIDD	76
50 M. BACK M E N 70-74			37.38	JOSEPH KURTZMAN	70	100 M. FREE M E N 75-79			2:03.21	WALTER LYNCH	75

TOP TEN - SHORT COURSE METERS

2:04.19 RICHARD GUIDO	79	2:19.65 PAUL GOLAR	77	43.92 EDWARD SHEA	94	100 M. I.M. M E N 80-84	
2:11.82 ROBERT ATWOOD	76	200 M. I.M. M E N 75-79		45.58 EDWARD SHEA	82	1:44.08 WALTER PFEIFFER	94
2:19.71 KHOSROW SHADBEH	75	3:20.35 RAY TAFT	94	47.12 WILLIAM ROWE	80	1:44.30 ROBERT CHRISTIANS	81
2:34.02 JIMMY CHOY	76	3:31.53 RAYMOND TAFT	77	49.25 AL VANDE WEGHE	80	1:53.34 AL VANDE WEGHE	80
200 M. BACK M E N 75-79		3:37.32 ALDO DA ROSA	78	49.45 JOHN WHITE	80	1:59.57 WILLIAM ROWE	80
3:10.22 RAY TAFT	94	3:41.49 BOB MERRICK	76	50.33 DAVE MALBROUGH	83	2:10.26 WILLIAM GRANT JR	83
3:28.57 RAYMOND TAFT	77	4:18.66 BOB ACKER	75	51.15 ROBERT CHRISTIANS	81	2:34.37 CHARLES WOOLLS	81
3:44.51 BOB MERRICK	76	400 M. I.M. M E N 75-79		53.21 JIM TRIOLO	82	2:35.64 C.J. HAMILTON	83
4:12.29 BRION WINSHIP	78	7:08.53 RAY TAFT	94	55.30 CHARLES BREEDING	80	3:14.89 EVERETT CASSELL	82
4:25.26 WALTER LYNCH	75	7:43.17 RAYMOND TAFT	77	56.67 WOODROW BOWERSOCK	83	200 M. I.M. M E N 80-84	
4:40.22 WILLIAM PATTEN	78	9:25.34 BOB ACKER	75	59.43 FRANK TILLOTSON	81	3:50.55 WOODROW BOWERSOCK	94
4:43.24 GORDON KIDD	76	13:29.36 FRANK SCARANO	77	100 M. BACK M E N 80-84		4:55.22 WILLIAM GRANT JR	83
5:32.30 JIMMY CHOY	76	50 M. FREE M E N 80-84		1:37.17 EDWARD SHEA	94	4:59.19 JOHN JOHNSTON	81
50 M. BRST M E N 75-79		35.16 WOODROW BOWERSOCK	93	1:43.35 EDWARD SHEA	82	5:47.32 C.J. HAMILTON	82
42.85 PAUL KRUP	93	35.47 WOODROW BOWERSOCK	83	1:45.28 ROBERT CHRISTIANS	81	8:41.06 HENRY STEINBISS	83
44.95 ALDO DA ROSA	78	38.21 ROBERT CHRISTIANS	81	1:46.36 WILLIAM ROWE	80	400 M. I.M. M E N 80-84	
45.72 PAUL KRUP	79	40.83 WILLIAM GRANT JR	83	1:48.04 AL VANDE WEGHE	80	8:34.45 WALTER PFEIFFER	94
47.19 BOB MERRICK	76	40.99 ALLAN DE LAY	81	1:54.62 JOHN WHITE	80	12:29.67 C.J. HAMILTON	82
50.18 EARL WALTER	75	41.00 CHARLES BREEDING	80	1:58.46 JIM TRIOLO	82	50 M. FREE M E N 85-89	
50.18 BOB MORRISON	75	41.05 NED SMITH	81	2:00.66 DAVE MALBROUGH	83	43.86 DAN DOTTERWEICH	93
50.56 ANDREW HOLDEN	77	41.16 AL VANDE WEGHE	80	2:03.27 CHARLES BREEDING	80	46.87 FRANK BELLAIRE	86
52.51 WALTER LYNCH	75	42.34 DEXTER WOODFORD	82	2:07.36 DEXTER WOODFORD	82	50.45 DAN DOTTERWEICH	88
53.63 BOB ACKER	75	42.72 WILLIAM ROWE	80	2:09.81 FRANK TILLOTSON	81	50.98 HARRY POLITES	86
53.64 BUD JACKSON	77	43.58 JOPAUL STEINER	80	200 M. BACK M E N 80-84		52.91 JOHN GLENN	85
55.77 MURRAY EAGER	79	100 M. FREE M E N 80-84		3:33.91 EDWARD SHEA	94	56.65 CHARLES WOOD	88
100 M. BRST M E N 75-79		1:20.65 WOODROW BOWERSOCK	93	3:46.03 EDWARD SHEA	82	59.49 RICHARD KANE	85
1:37.39 ALDO DA ROSA	92	1:23.14 WOODROW BOWERSOCK	83	3:51.38 WILLIAM ROWE	80	1:09.26 RALPH HOYLE	86
1:40.63 ALDO DA ROSA	78	1:31.01 ROBERT CHRISTIANS	81	4:15.95 JOHN WHITE	80	1:16.18 DON NEEFE	88
1:45.79 BOB MERRICK	76	1:34.31 DEXTER WOODFORD	82	4:35.19 FRANK TILLOTSON	81	1:19.61 HAROLD HOFFMAN	88
1:49.56 PAUL KRUP	78	1:34.45 WILLIAM GRANT JR	83	4:35.74 WOODROW BOWERSOCK	83	100 M. FREE M E N 85-89	
1:58.25 BUD JACKSON	76	1:40.44 HARRY BARTLETT	80	4:45.46 DAVE MALBROUGH	83	1:41.46 GUS LANGNER	89
2:04.89 BOB MORRISON	75	1:43.11 ALLAN DE LAY	81	4:45.46 DAVE MALBROUGH	83	1:56.20 FRANK BELLAIRE	86
2:07.21 BOB ACKER	75	1:43.19 CHARLES BREEDING	80	6:05.68 FRED WALBOLT	83	2:04.17 HARRY POLITES	86
2:08.79 KHOSROW SHADBEH	75	1:46.00 MAURICE STERN	80	7:29.43 LEO PHILLIPS	80	2:05.94 CHARLES WOOD	88
2:30.98 JOHN BLOCHER	77	1:46.06 GENE CROSSET	82	8:00.57 HENRY STEINBISS	83	2:17.17 RICHARD KANE	85
2:34.35 VITO PORTANOVA	76	1:54.30 JOHN JOHNSTON	81	50 M. BRST M E N 80-84		2:54.23 RALPH HOYLE	86
2:52.74 JIMMY CHOY	76	200 M. FREE M E N 80-84		50.93 JERRY EVERALL	95	3:14.59 DON NEEFE	88
200 M. BRST M E N 75-79		3:18.97 DEXTER WOODFORD	94	52.83 JOPAUL STEINER	80	3:27.93 HAROLD HOFFMAN	88
3:34.29 ALDO DA ROSA	93	3:39.42 DEXTER WOODFORD	83	54.61 ROBERT CHRISTIANS	81	200 M. FREE M E N 85-89	
3:47.96 ALDO DA ROSA	78	3:47.18 WOODROW BOWERSOCK	83	56.76 MIKE OFFNER	82	3:48.20 GUS LANGNER	89
3:54.54 BOB MERRICK	76	3:49.77 HARRY BARTLETT	80	57.89 NED SMITH	81	4:45.76 CHARLES WOOD	88
3:59.18 PAUL KRUP	78	3:59.31 GENE CROSSET	82	1:02.06 C.J. HAMILTON	82	4:51.54 RICHARD KANE	85
4:19.61 BUD JACKSON	76	4:00.44 JIM TRIOLO	82	1:02.35 STAN PUDELL	80	400 M. FREE M E N 85-89	
4:44.57 BOB ACKER	75	4:13.13 JOHN JOHNSTON	80	1:07.18 JOHN JOHNSTON	80	7:54.24 GUS LANGNER	88
4:55.48 WALTER LYNCH	75	5:03.77 FRANK TILLOTSON	81	1:08.38 CHARLES WOOLLS	80	10:45.01 RICHARD KANE	85
5:33.40 VITO PORTANOVA	76	5:16.52 LEONARD BRISCO	84	1:10.08 FRANK TILLOTSON	81	12:34.61 JIM PENFIELD	88
50 M. FLY M E N 75-79		400 M. FREE M E N 80-84		100 M. BRST M E N 80-84		800 M. FREE M E N 85-89	
38.70 RAY TAFT	95	7:13..17 DEXTER WOODFORD	94	1:56.36 WALTER PFEIFFER	94	16:53.90 GUS LANGNER	88
41.61 ANDREW HOLDEN	77	7:46.13 DEXTER WOODFORD	83	2:17.01 MIKE OFFNER	82	20:19.02 CHARLES WOOD	88
43.03 RAYMOND TAFT	77	7:51.44 HARRY BARTLETT	80	2:28.88 DEXTER WOODFORD	83	25:53.48 JIM PENFIELD	88
45.47 LOUIS GIBERSON	76	8:17.75 GENE CROSSET	82	2:29.26 JOHN JOHNSTON	81	1500 M. FREE M E N 85-89	
45.55 PAUL KRUP	78	8:17.95 WOODROW BOWERSOCK	83	2:31.21 STAN PUDELL	80	32:20.20 GUS LANGNER	88
46.71 BOB MERRICK	76	8:36.53 JIM TRIOLO	82	3:40.17 RICHARD FLETCHER	80	NO SWIMMERS	
48.25 EARL WALTER	75	8:39.00 MAURICE STERN	80	3:52.25 HENRY STEINBISS	83	50 M. BACK M E N 85-89	
50.43 JOHN BRICKER	76	8:52.68 JOHN JOHNSTON	80	200 M. BRST M E N 80-84		56.85 DAN DOTTERWEICH	93
58.79 RICHARD GUIDO	79	9:30.75 TREVOR ROE	82	4:17.11 WALTER PFEIFFER	94	1:02.36 DAN DOTTERWEICH	88
1:12.45 PAUL GOLAR	77	10:41.30 GEORGE HALE	80	5:12.63 JOHN JOHNSTON	80	1:06.70 JOHN GLENN	85
1:26.42 FRANK SCARANO	77	10:52.56 EVERETT CASSELL	82	5:14.64 DEXTER WOODFORD	82	1:12.62 HARRY POLITES	86
100 M. FLY M E N 75-79		800 M. FREE M E N 80-84		5:47.68 FRANK TILLOTSON	81	1:32.34 DON NEEFE	88
1:36.80 PAUL KRUP	92	15:07.97 HERBERT HOWE	92	7:03.57 EVERETT CASSELL	82	2:26.83 RALPH HOYLE	86
1:50.18 PAUL KRUP	79	15:32.56 DEXTER WOODFORD	82	8:07.18 HENRY STEINBISS	83	100 M. BACK M E N 85-89	
1:51.22 RAYMOND TAFT	77	17:13.57 WOODROW BOWERSOCK	83	50 M. FLY M E N 80-84		2:09.91 DAN DOTTERWEICH	93
1:53.09 BOB MERRICK	76	18:20.16 MAURICE STERN	80	49.08 JESSE COON	91	2:19.67 DAN DOTTERWEICH	88
3:47.55 FRANK SCARANO	77	19:20.23 DAVE MALBROUGH	83	50.80 ROBERT CHRISTIANS	81	2:53.50 HARRY POLITES	86
200 M. FLY M E N 75-79		20:09.83 CHARLES WOOLLS	81	56.69 WOODROW BOWERSOCK	83	3:25.10 DON NEEFE	88
3:49.00 PAUL KRUP	92	22:08.38 GEORGE HALE	80	58.82 WILLIAM GRANT JR	83	200 M. BACK M E N 85-89	
4:17.10 PAUL KRUP	79	25:11.42 RICHARD FLETCHER	80	1:09.68 JOHN JOHNSTON	81	4:55.59 DAN DOTTERWEICH	96
4:32.27 RAYMOND TAFT	77	1500 M. FREE M E N 80-84		1:14.01 ROBERT SMITH	80	4:55.59 DAN DOTTERWEICH	88
100 M. I.M. M E N 75-79		28:43.31 DEXTER WOODFORD	94	1:41.25 C.J. HAMILTON	83	5:21.45 JIM PENFIELD	87
1:27.43 RAY TAFT	94	30:13.07 DEXTER WOODFORD	82	100 M. FLY M E N 80-84		50 M. BRST M E N 85-89	
1:36.93 ALDO DA ROSA	78	33:19.49 WOODROW BOWERSOCK	83	1:52.51 WALTER PFEIFFER	94	58.39 JIM PENFIELD	93
1:38.53 BOB MERRICK	76	34:24.76 MAURICE STERN	80	2:37.27 JOHN JOHNSTON	80	1:02.92 DAN DOTTERWEICH	88
1:40.69 EARL WALTER	75	35:45.90 DAVE MALBROUGH	83	200 M. FLY M E N 80-84		1:13.74 HARRY POLITES	86
1:44.56 PAUL KRUP	79	38:18.14 CHARLES WOOLLS	80	4:25.99 WALTER PFEIFFER	94	1:21.83 JOHN GLENN	85
2:03.36 RICHARD GUIDO	79	50 M. BACK M E N 80-84		5:34.67 JOHN JOHNSTON	81	1:49.20 RALPH HOYLE	86

TOP TEN - SHORT COURSE METERS

100 M. BRST M E N 85-89
2:09.33 DAN DOTTERWEICH 93
2:30.09 DAN DOTTERWEICH 88
3:52.54 JOHN GLENN 85
200 M. BRST M E N 85-89
5:17.90 DAN DOTTERWEICH 96
5:17.90 DAN DOTTERWEICH 88
6:01.03 JIM PENFIELD 87
50 M. FLY M E N 85-89
1:04.75 JIM PENFIELD 93
1:23.71 ROY BODINE 85
1:50.27 RICHARD KANE 85
100 M. I.M. M E N 85-89
2:15.66 JIM PENFIELD 93
2:47.54 ROY BODINE 85
200 M. I.M. M E N 85-89
5:02.31 HERB EISENSCHMIDT91
6:04.51 ROY BODINE 85
400 M. I.M. M E N 85-89
10:47.13 HERB EISENSCHMIDT91
13:01.15 ROY BODINE 85
50 M. FREE M E N 90-94
50.09 GUS LANGNER 93
1:01.01 GUS LANGNER 93
1:02.34 JOE KAUFMAN 91
100 M. FREE M E N 90-94
1:58.42 GUS LANGNER 93
2:13.10 GUS LANGNER 93
2:27.94 JOE KAUFMAN 91
200 M. FREE M E N 90-94
4:27.70 GUS LANGNER 93
5:21.38 GUS LANGNER 92
5:39.30 JOE KAUFMAN 91
400 M. FREE M E N 90-94
8:50.65 GUS LANGNER 93
10:41.79 GUS LANGNER 93
800 M. FREE M E N 90-94
NO RECORD
23:36.22 GUS LANGNER 93NV
1500 M. FREE M E N 90-94
44:48.99 GUS LANGNER 96
44:48.99 GUS LANGNER 93
50 M. BACK M E N 90-94
1:15.84 GUS LANGNER 93
1:16.69 JOE KAUFMAN 91
1:28.55 GUS LANGNER 93
100 M. BACK M E N 90-94
2:40.88 JOE KAUFMAN 95
2:42.41 JOE KAUFMAN 91
3:43.28 GUS LANGNER 93
200 M. BACK M E N 90-94
5:44.64 JOE KAUFMAN 96
5:44.64 JOE KAUFMAN 91
50 M. BRST M E N 90-94
1:20.92 GUS LANGNER 93
1:31.46 GUS LANGNER 92
100 M. BRST M E N 90-94
3:01.95 GUS LANGNER 93
3:36.67 GUS LANGNER 93
200 M. BRST M E N 90-94
6:41.56 GUS LANGNER 94
7:19.50 GUS LANGNER 93
100 M. I.M. M E N 90-94
3:00.53 GUS LANGNER 94
NO SWIMMERS
50 M. FREE M E N 100-104
2:06.66 TOM LANE 95
NO SWIMMERS
100 M. FREE M E N 100-104
4:32.29 TOM LANE 95
NO SWIMMERS
50 M. BACK M E N 100-104
2:02.52 TOM LANE 95
NO SWIMMERS

TOP TEN - SHORT COURSE METERS

*****		BETH KNIGHT	37	SOUTHERN CALIFO	2:26.78	VIRGINIA FLAGG	70
RELAYS: WOMEN 200 M. FREE		MATHILDE BOUWMA	28	BONNIE ADAIR	44	BETTY COURTNEY	43
*****		NANCY NORTH	28	JACQUELINE DUNLOP	65	QUAC	4:15.05
76 - 99		CRAWFISH MASTER	2:00.48	KAREN MELICK	39	JANICE KRAMER	54
R:UNIV HOUSTON	88	LESLIE STANLEY	35	LINDA TEPE	49	P.KAWAKAMI	46
PEGGY PLOUGH		ANN HILL	27	DCAC	2:30.28	W DORMAN-UGH	59
STACY JONES		HELEN CANE	41	IVONNE MARTINEZ	32	KANDI STEELE	50
JANE HALLENBECK		CINDY UNRUH	26	MARIAH NELSON	40		
SANDY JOHNSON		MARYLAND MASTER	2:03.62	CONSTANCE MECK	46	240-279	
BRUIN MASTERS	2:07.95	DEBORAH ZIMIC	34	CAROL GALBRAITH	46	R:NEW ENGLAND	94 2:25.52
ROBIN KRACKER	22	KRISTEN CORBETT	30	SAN DIEGO SWIM	2:30.86	CLARA WALKER	
JENNIFER JOHNSON	19	R. BERKOWITZ	25	ANETTE FENTON	37	BILLIE A BURRILL	
JULIE SHERMAN	25	B. PROTZMAN	42	JOY KLEBER	40	DIANE REED	
WINNY JAHN	24	MICH	2:07.02	SANDRA VICKERS	57	JENNIFER LUKER	
RUTGERS/BERKELE	2:18.53	NANCY SERVO	35	M.LOU VALENTINE	61	OJAI SANTA BARB	3:16.61
K. SPONENBERG	23	LAURA EIBLER	32	SPACE COAST	2:35.53	PEGGY SANBORN	69
MARY RYAN	25	SUZANNE REIN	28	PATRICIA SARGEANT	42	MALCHIA OLSHAN	65
KAY RIVERA	23	JULIE ZAPPONE	31	LAUREN HARDMAN	31	GAY COLLINS	66
JODI ROBERTS	25	PARIS ISLAND	2:08.69	MAUREEN HUGHES	43	RUTH BAAR	73
		LEESA BARNARD	38	MARTHA HENDERSON	59	SAN DIEGO SWIM	3:24.70
100-119		DONNA SAGAR	38	PNA	2:41.68	JANET LAMOTT	61
R:MICHIGAN	96	LESLIE OCHS	32	SHARON KREBS	45	PEGGY LEONG	52
DYNE BURRELL		PAM DRAFT	39	JILL CLARK	40	BETTIE MACINNES	82
SUSIE DEVLIN		PNA	2:10.19	ANN THISTLE	43	LYNNE LUND	56
MARY MUETING		SANDY DENTINGER	39	LINDA MARIZ	47	HEARTLAND SWIM	3:26.62
SHEILA TAORMINA		AUDRA RESCHKE	22	MICH	2:58.74	MARILYN RAMEY	56
MICH	1:45.93	AMY POPP	31	KAREN PEARSON	40	NANCY REED	69
DYNE BURRELL	29	BARB THRASHER	30	KATHIE WILHELM	52	ELFRIEDE LEHTO	63
SUSIE DEVLIN	29	PEDDIE AQUATICS	2:10.33	MARLENE REIN	60	TRISH HUNTER	62
MARY MUETING	31	JULIE VEREMEY	24	SANDRA LOOMIS	33	MARYLAND MASTER	3:46.89
SHEILA TAORMINA	27	R. DONOVAN	35			NANCY BROWN	60
SAN DIEGO SWIM	1:56.39	DEBORAH KEMP	35	200-239		PATTY DEVANNY	37
K PIPES-NEILSEN	34	W. BLACKBURN	33	R:TAMALPAIS	89 2:11.64	JILL COLEMAN	66
VICKY DAVIDSON	31	ARIZONA MASTERS	2:12.32	ANGELA KONIG		BETTY TAYLOR	81
SHIRLEY BOYD	23	BRENDA CRESWELL	34	LAVERNE ADAMS		BOLTS MASTERS	3:47.78
NANCY NORTH	28	LISA SARTORI	31	SHERRY RADEMACHER		BETTY RUSSO	65
RUTGERS/BERKELE	2:08.45	CATHERINE LIOTTA	21	NANCY RIDOUT		BARBARA BOWER	58
LISA BRADLEY	31	CAROL BRANDON	34	SAN DIEGO SWIM	2:17.12	CLAIRE ROACH	69
L. CIALDELLA	32	GREAT COLUMBUS	2:16.79	BARBARA DUNBAR	47	MARGARET BROU	74
KATHY LYNCH	31	ANDREA PALMER	36	BETSY JORDAN	59		
E. SOMMERLAD	25	PAM ALLEN	40	DEBBIE PECKHAM	57	280-319	
BRUIN MASTERS	2:12.26	MANDY SHUMAKER	40	MARILYN FINK	42	R:OJAI S BARBARA	95 2:52.62
SUZANNE PORUSH	27	PAM BECK	39	MICH	2:41.95	RUTH BAAR	
ANN WETTERMARK	25	MICH	2:19.82	BEVERLY MYERS	60	SHIRLEY ERICKSON	
LILLIAN LATHROP	30	CATHY BARRY	42	IDA SMITH	62	GRACE ALTUS	
SHANA DORONN	31	HEATHER MCNAMARA	34	BARBARA SCHULTZ	37	GAY COLLINS	
DCAC	2:12.85	NANCY MOYNIHAN	40	FREDERICKA RAPP	51	SAN DIEGO SWIM	3:12.12
SHEILA WALSH	26	CYNDI WILHELM	27	MICH	2:43.47	ANN DALLAM	66
COURTNEY CHUBB	26			JOYCE KOWALSKI	53	DIANA SILVA	74
GRETCHEN HURLEY	23	160-199		MARY WILLIAMS	64	ALICIA COLEMAN	71
KRISTIN JERGER	30	R:SAN DIEGO	96 1:59.23	SHIRLEY DACEY	59	BOBBI TURCOTTE	69
WHITE PLAINS MA	2:15.31	BARBARA DUNBAR		WENDY HARTWIG	25	MICH	3:30.65
CAROLYN REUTER	24	MARILYN FINK		OJAI SANTA BARB	2:54.33	JEWEL COOKE	87
NANCY SURDOVAL	43	SALLY KARRASCH		KITTY JOHNSTON	54	EDITH GLUSAC	77
CYNTHIA NAVARRO	23	K PIPES-NEILSEN		CAROLE BORLAND	53	CAROL RHUDY	53
GENEVE EHINGER	28	SAN DIEGO SWIM	1:59.23	SYLVIA GLENN	58	LOIS NOCHMAN	71
CRAWFISH MASTER	2:19.98	BARBARA DUNBAR	47	LESLIE OGDEN	49	O*H*I*O MASTERS	3:54.43
LIZ HEBERT	29	MARILYN FINK	42	MICH	3:11.06	JOAN HOFFMANN	67
KIM LITEL	26	SALLY KARRASH	43	ILENE MC INTOSH	48	MARY CULHANE	75
LINDA GAMBLE	36	K.PIPES-NEILSEN	34	KATHY VITU	42	MARION DRUMMOND	65
THERESA KLEIN	25	WIS MASTERS	2:03.05	MERLYN EWBANK	76	SYLVIA HILL	75
HEARTLAND S A M	2:25.22	CYNTHIA MALTRY	41	SUZANNE SWANTON	56	NORTH CAROLINA	4:37.76
MARIE AARON	24	MELINDA MANN	40	ELMWOOD SHARKS	3:28.30	BETTE HOFFMAN	77
KINDL COLLINS	23	PATTY MORGAN	36	VIRGINIA REAGLE	62	JUDY KELLY	71
REBECCA JACKMAN	33	NANCY FISHER	45	ROSEMARY KARIKER	77	BUZ CATLIN	82
VICKI WEBSTER	34	PNA	2:21.61	CECILE MANY	42	SANDRA KREMER	60
		PINKY WALKER	53	JOAN RIZZUTO	35	MICH	5:20.01
120-159		MICHELLE MCPHEE	38	HEARTLAND S A M	3:28.61	RUTH HILDEBRAND	79
R:SAN DIEGO	96	KAY GLADE	45	ELAINE PERRY	40	WINI HARTUNG	76
K PIPES-NEILSEN		S.MACLAREN-MEUER	37	NANCY REED	69	MARTHA FORSTER	79
BETH KNIGHT		BRUIN MASTERS	2:24.39	MARILYN RAMEY	56	NATALY BERCKMANN	46
MATHILDE BOUWMA		JAIMI LUMBERT	37	TRISH HUNTER	62		
NANCY NORTH		SARAH TURNER	34	LA MESA MASTERS	3:36.30	320-359	
SAN DIEGO SWIM	1:53.26	DEBORAH POLIER	38	NANCY RABIN	59	R:ST PETE	93 4:09.37
K.PIPES-NEILSEN	34	BARBARA MCDOWELL	51	PEGGY HUEY	44	MARIAN MCKECHNIE	

TOP TEN - SHORT COURSE METERS

WIN KENNEDY		MARYLAND MASTER	2:55.39	MARY CURL	39	M. BLASKE-HULL	47
FRANCES CICHANSKI		KAREN TUCKER	30	A. WRIGHT-BELKNAP	46	RINCONADA MASTE	3:12.18
KAY SCHIMPF		MARY ANN STOTT	23	PAM MARTIN	39	ELOISE DANTO	68
NO RELAY TEAMS		L. LEICHLITER	35	AMY POPE	36	BOBBIE CALLISON	63
*****		R. BERKOWITZ	25	PNA	2:42.77	JAMIE RAAB	26
RELAYS: WOMEN 200 M. MEDLEY				PINKY WALKER	53	SUSAN SPRINGER	58
*****				KAY GLADE	45	SAN DIEGO SWIM	3:27.33
76 - 99		120-159		MICHELLE MCPHEE	38	ANNETTE FENTON	37
R:DAVIS AQUATIC	95	R:SAN DIEGO	94	S. MACLAREN-MEUER	37	BETTIE MACINNES	82
TATE BIRNIE	2:13.89	VICKY DAVIDSON	2:05.27	PALMETTO MASTER	2:44.24	SHIRLEY BOYD	23
WENDY CERRUTI		MATHILDE BOUWMA		JAN PESAVENTO	45	JANET LAMOTT	61
CHRISTINE SCHULTZ		KARLYN PIPES		KATIE MCNAMARA	41	PNA	3:39.47
JENNIFER LUNDMARK		BETH KNIGHT		SHARON KNISLEY	33	JEANNE ENSIGN	49
BRUIN MASTERS	2:27.03	WH20	2:20.58	ELIZABETH HEYWOOD	60	LIVIA WALKER	73
JULIE SHERMAN	25	ANDREA DEVUONO	34	SOUTHERN CALIFO	2:49.20	JESSE PACE	43
MICHELLE BERGER	20	JESSICA SEATON	43	LINDA TEPE	49	KIMBERLY GROSS	37
ROBIN KRACKER	22	MIDI HANSEN	30	KAREN MELICK	39	MICHIGAN MAST	3:40.00
MICHELLE CARRION	26	DONNA WILLIAMS	39	LOIS GOODMAN	49	EDITH GLUSAC	77
QUAC	3:21.14	MICH	2:25.51	VICKI FARAONE	30	GENEVIEVE MOYER	46
JENNIFER THOMPSON	24	NANCY SERVO	35	LOS ANGELES PEN	2:54.58	LOIS NOCHMAN	71
AKIKO SHIMIZU	24	JULIE ZAPPONE	31	KERRY NELSON	39	CASSANDRA GARRY	41
TANYA MATTHEWS	24	LAURA EIBLER	32	KIRST BARTHOLEMEW	37	HEARTLAND S A M	3:40.22
E GUTIERREZ	24	SUZANNE REIN	28	CISSY MLADINICH	47	AILEEN BARR	40
		MOUNTAIN VIEW M	2:27.73	KIM ERICKSON	41	MARLEE VALDERHAUG	54
		SUZANNE GARRITY	29	BRUIN MASTERS	3:02.73	MARILYN RAMEY	56
		JULIE PAQUE	38	RORY BARISH	40	ELFRIEDE LEHTO	63
100-119		ELAINE HEAL	22	VICKI SERIANNI	45		
R:SAN DIEGO	95	ANNIKA LEWIS	31	MAUREEN KELLY	36	240-279	
VICKY DAVIDSON	2:05.66	CRAWFISH MASTER	2:28.18	BARBARA MCDOWELL	51	R:GOLD COAST	96
MATHILDE BOUWMA		KIM LITEL	26	LA MESA MASTERS	3:06.16	CYNTHIA BRUCE	2:50.93
K PIPES-NEILSEN		LESLIE STANLEY	35	JANE MONAGHAN	41	JUNE KRAUSER	68
D MORTENSEN		ANN HILL	27	ROSEMARY HUTZLEY	42	ANNE GRAMS	70
SAN DIEGO SWIM	2:14.49	HELEN CANE	41	M'LISS HINSHAW	41	MARGARET CHARLTON	53
D.MORTENSEN	24	MARYLAND MASTER	2:29.44	KRISTEN THORTON	45	GOLD COAST	2:50.93
MATHILDE BOUWMA	28	DEBORAH ZIMIC	34	MICH	3:10.66	CYNTHIA BRUCE	68
NANCY NORTH	28	B. PROTZMAN	42	NANCY MOYNIHAN	40	JUNE KRAUSER	70
ALLISON	38	JILL SPRINGER	37	KAREN PEARSON	40	ANNE GRAMS	49
RUTGERS/BERKELE	2:16.88	EMILY WATTS	29	SANDRA LOOMIS	33	MARGARET CHARLTON	53
L. CIALDELLA	32	GREAT COLUMBUS	2:31.13	MARLENE REIN	60	O'H*I*O MASTERS	3:12.74
MARY RYAN	25	MANDY SHUMAKER	40	BOLTS MASTERS	3:14.69	M. AMSBARY	71
B. ROBBINS	26	PAM ALLEN	40	BARBARA BOWER	58	LILLY KRON	64
LISA BRADLEY	31	ANDREA PALMER	36	KATHY STOUTD	40	PHILLIS WILSON	63
O'H*I*O MASTERS	2:22.92	PAM BECK	39	JANET FERGUSON	39	BETTY RUSS	69
JOAN STARK	35	LAKE LYTAL	2:32.96	VICKI BUCCINO	50	OJAI SANTA BARB	3:24.88
LAURA KESSLER	35	DIANA LUCAS	36			PEGGY SANBORN	69
JENNIFER REMLE	24	ROBYN JACKSON	28	200-239		MALCHIA OLSHAN	65
LORI VIANCOURT	25	GLORIA NEMET	32	R:TAMALPAIS	89	GAY COLLINS	66
O'H*I*O MASTERS	2:31.56	SOPHIA GRAHAM	25	LAVERNE ADAMS	2:34.15	RUTH BAAR	73
JULIA WOMELDORF	27	GEORGIA MASTERS	2:34.09	NANCY RIDOUT		MICH	3:39.66
TERRI HENNESSEY	27	LISA WATSON	42	SHERRY RADEMAKER		MARY WILLIAMS	64
COURTNEY TRUSCOTT	27	LIESA BENN	31	ANGELA KONIG		EDITH GLUSAC	77
LAUREN STANNERT	27	WHITLEY GREENE	37	OJAI SANTA BARB	2:33.49NV	LOIS NOCHMAN	71
VENICE MASTERS	2:38.08	CANDACE LANG	46	SYLVIA GLENN	58	SHIRLEY DACEY	59
TERI ELLIS	28	PNA	2:38.42	KITTY JOHNSTON	54	MARYLAND MASTER	4:10.29
CH SMITS VAN OYEN	25	LAURA CYR	27	LESLIE OGDEN	49	NANCY BROWN	60
CECILIA HENRIKSEN	29	LANI DOELY	39	CAROLE BORLAND	53	JILL COLEMAN	66
MARGARET PANONTIN	28	LIZ MCCORMICK	38	SAN DIEGO SWIM	2:38.13	PATTY DEVANNY	37
DAVIS AQUATIC M	2:40.25	JESSE PACE	43	BETSY JORDAN	59	BETTY TAYLOR	81
JENNIFER COLLINS	27	QUAC	2:39.51	DIANE HOTZ	34	MICH	4:57.57
ANIETTA TICE	35	KRISTIN FADEL	30	LYNNE LUND	56	JENNIFER PARKS	52
ANDREA KIRSCH	33	RENEE DENSLEY	36	PEGGY LEONG	52	MARTHA FORSTER	79
DAWN JOHNSON	19	P.KAWAKAMI	46	MICH	2:50.50	RUTH HILDEBRAND	79
DCAC	2:41.58	KIMBERLY SMITH	32	BEVERLY MYERS	60	NATALY BERCKMANN	46
MARGARET HOWELL	23			IDA SMITH	62	BOLTS MASTERS	5:06.41
KAREN BROWN	33	160-199		FREDERICKA RAPP	51	CAROL LAIRMORE	63
SUSAN KIZER	31	R:SAN DIEGO	96	BARBARA SCHULTZ	37	BETTY RUSSO	65
L MCNERNEY	32	MARILYN FINK	2:12.54	WIS MASTERS	3:04.10	MARGARET BROU	74
RUTGERS/BERKELE	2:44.02	K.PIPES-NEILSEN		DORIS KLITZKE	61	CLAIRE ROACH	69
MARIA VERGONI	19	BARBARA DUNBAR		CAROL REINKE	58		
JODI ROBERTS	25	BETH KNIGHT		NANCY KRANPITZ	51	280-319	
KAY RIVERA	23	SAN DIEGO SWIM	2:12.54	EDITH JACOBSEN	49	R:SAN DIEGO	96
JULIE STEWART	35	MARILYN FINK	42	LAKESIDE MASTER	3:08.45	DIANA SILVA	3:25.81
BRUIN MASTERS	2:46.37	K.PIPES-NEILSEN	34	LINDA HUBBUCH	51	ALICIA COLEMAN	
SHANA DORONN	31	BARBARA DUNBAR	47	JOYCE VOIT	62	ANN DALLAM	
KERRY CAVIEZEL	28	BETH KNIGHT	37	DEBBIE UTZ	43	BOBBI TURCOTTE	
LILLIAN LATHROP	30	LAKESIDE MASTER	2:20.33				
LAURA ERSKINE	29						

TOP TEN - SHORT COURSE METERS

SAN DIEGO SWIM	3:25.81	MICHELLE WARD	27		JUDY TILARO	61
DIANA SILVA	74	BRIDGET NASTASI	30	160-199	MARYLAND MASTER	7:51.15
ALICIA COLEMAN	71	GINA GATTI	33	R:SAN DIEGO	NANCY BROWN	60
ANN DALLAM	66	HEARTLAND S A M	5:02.55	BETH KNIGHT	PATTY DEVANNY	37
BOBBI TURCOTTE	69	VICKI WEBSTER	34	BARBARA DUNBAR	JILL COLEMAN	66
O'H*I*O MASTERS	4:19.49	REBECCA JACKMAN	32	MARILYN FINK	BETTY TAYLOR	81
MARY CULHANE	75	C.KUNCZINAM	31	K.PIPES-NEILSEN		
JOAN HOFFMANN	67	JENNIFER BUSH	22	SAN DIEGO SWIM	280-319	
CAROL GANZEL	65	DAVIS AQUATIC M	5:04.28	BETH KNIGHT	R:SAN DIEGO	96 7:23.22
SYLVIA HILL	75	ANIETTA TICE	35	BARBARA DUNBAR	ANN DALLAM	
NORTH CAROLINA	5:34.32	DAWN JOHNSON	19	MARILYN FINK	BOBBI TURCOTTE	
BETTE HOFFMAN	77	JENNIFER COLLINS	27	K.PIPES-NEILSEN	ALICIA COLEMAN	
SANDRA KREMER	60	ANDREA KIRSCH	33	SPM-A	DIANA SILVA	
BUZ CATLIN	82	VENICE MASTERS	5:07.91	CHRISTINE SWANSON	SAN DIEGO SWIM	7:23.22
JUDY KELLY	71	NELL REGAN	26	NANCY KIERNAN	ANN DALLAM	66
		TERI ELLIS	28	LESLIE TREAT	BOBBI TURCOTTE	69
		CH SMITS VAN OYEN	25	PAM GEIGER	ALICIA COLEMAN	71
		CECILIA HENRIKSEN	29	WILDCAT MASTERS	DIANA SILVA	74
320-359				TITA ARNOLD		
R:SAN MATEO	96 4:39.75			MEG SMATH	320-359	
HELEN ROUMASSET		120-159		SUSAN BRADLEY-COX	R:SAN MATEO	96 9:11.05
HILDA BUEL		R:SAN DIEGO	94 4:11.50	KIMBERLY DEYER	AUDREY ETIENNE	
ZADA TAFT		BETH KNIGHT		DSMC-A	HELEN ROUMASSET	
AUDREY ETIENNE		MATHILDE BOUWMA		GAIL ROBBINS	HILDA BUEL	
SAN MATEO MARLI	4:39.75	VICKY DAVIDSON		BARBARA NICHOLS	ZADA TAFT	
HELEN ROUMASSET	81	KARLYN PIPES		DIANA COLLINS	SAN MATEO MARLI	9:11.05
HILDA BUEL	82	MARYLAND MASTER	4:41.85	MAUD ORLANDO	AUDREY ETIENNE	80
ZADA TAFT	77	B. PROTZMAN	42	GRIN A	HELEN ROUMASSET	81
AUDREY ETIENNE	80	KRISTEN CORBETT	30	SUSAN HEWETT	HILDA BUEL	82
*****		EMILY WATTS	29	CATHY SCHUSTER	ZADA TAFT	77
RELAYS: WOMEN 400 M. FREE		R. BERKOWITZ	25	JULIE BICKEL	*****	
*****		MOUNTAIN VIEW M	4:51.95	PEGGY COOK	RELAYS: WOMEN 400 M. MEDLEY	
76 - 99		SUZANNE GARRITY	29	LA MESA MASTERS	*****	
R:DAVIS AQUATIC	95 4:23.57	ANNIKA LEWIS	31	HEATHER ROBERTS	76 - 99	
TATE BIRNIE		ELAINE HEAL	22	PEGGY HUEY	R:EMPIRE STATE	91 5:07.60
WENDY CERRUTI		JULIE PAQUE	38	VIRGINIA FLAGG	DEANNA COLACITO	
CHRISTINE SCHULTZ		GREAT COLUMBUS	5:11.38	JANE MONAGHAN	MONICA LEE	
JENNIFER LUNDMARK		ANDREA PALMER	36		CHERYL KUPAN	
DCAC	4:33.20	MANDY SHUMAKER	40	200-239	KRISTIN BROOKS	
MARGARET HOWELL	23	PAM ALLEN	40	R:SAN DIEGO	BRUIN MASTERS	6:11.85
ELIZA BARCUS	22	PAM BECK	39	ALLISON RAAP	ROBIN KRACKER	22
ERIN CAMPBELL	23	WHITE PLAINS MA	5:13.65	DEBORAH PECKHAM	JENNIFER JOHNSON	19
MARGARET CALFEE	24	NANCY SURDOVAL	43	PEGGY LEONG	ANN WETTERMARK	25
RUTGERS/BERKELE	4:53.60	CYNTHIA NAVARRO	23	BETSY JORDAN	ANGELA TRABA	31
B. ROBBINS	26	GENEVE EHINGER	28	SAN DIEGO SWIM	QUAC	7:59.21
E. SOMMERLAD	25	LIANA HOPKINS	43	ALLISON RAAP	JENNIFER THOMPSON	24
KAY RIVERA	23	LA MESA MASTERS	5:27.28	DEBBIE PECKHAM	AKIKO SHIMIZU	24
K. SPONENBERG	23	KRISTEN THORTON	45	PEGGY LEONG	TANYA MATTHEWS	24
BRUIN MASTERS	5:23.02	ROSEMARY HUTZLEY	42	BETSY JORDAN	E GUTIERREZ	24
ROBIN KRACKER	22	CATHY RUFF	28	RINCONADA MASTE		
MICHELLE BERGER	20	B.HULTENIUS	27	SUSAN SPRINGER	100-119	
JULIE SHERMAN	25	RUTGERS/BERKELE	5:38.81	ELOISE DANTO	R:RINCONADA	94 4:54.64
SHANA DORONN	31	SUSAN KIRK	36	BOBBIE CALLISON	CHRIS KANAZAWA	
		JUDY LEE	46	JAMIE RAAB	TERRI BAXTER	
100-119		KAREN MARKLEY	40	SAN DIEGO SWIM	JAMIE RAAB	
R:SAN DIEGO	96 4:18.04	JANET GEBELT	30	DIANE HOTZ	JULIE HEIBERGER	
D.MORTENSEN		DCAC	5:48.14	BETTIE MACINNES	RUTGERS/BERKELE	5:08.94
SHIRLEY BOYD		IVONNE MARTINEZ	32	M.LOU VALENTINE	KATHY LYNCH	31
MATHILDE BOUWMA		MARIAH NELSON	40	JOY KLEBER	E. SOMMERLAD	25
NANCY NORTH		KAREN BROWN	33	LA MESA MASTERS	MARY RYAN	25
SAN DIEGO SWIM	4:18.04	KRISTIN JERGER	30	BETTY COURTNEY	L. CIALDELLA	32
D.MORTENSEN	24	BRUIN MASTERS	5:55.96	NANCY RABIN	SAN DIEGO SWIM	5:09.57
SHIRLEY BOYD	23	MAUREEN KELLY	36	ANN MARTIN	D.MORTENSEN	24
MATHILDE BOUWMA	28	SHERON JOHNSTON	37	M'LISS HINSHAW	ALLISON RAAP	38
NANCY NORTH	28	DEBORAH POLIER	38		NANCY NORTH	28
RUTGERS/BERKELE	4:35.00	VICKI SERIANNI	45	240-279	SHIRLEY BOYD	23
L. CIALDELLA	32	CHULA VISTA MAS	6:00.31	R:GOLD COAST	ART	5:30.79
MARY RYAN	25	PEGGY RATNER	43	MARYANN MEEKINS	RACHAEL WALTON	26
LISA BRADLEY	31	DIANE HIRAKAWA	47	ANN MCGUIRE	LISA FINFER	31
KATHY LYNCH	31	LAURA PARTIDO	28	B EDELMAIER	MARY MURPHY	29
ART	4:50.87	EDNA FLORES	25	MARGARET TIMMINS	JAN SUCHOMSKI	32
JAN SUCHOMSKI	32	DSSTS	6:06.00	HEARTLAND S A M	BRUIN MASTERS	5:53.12
MARY MURPHY	29	CHERRY ROBINSON	34	NANCY REED	SHANA DORONN	31
LISA FINFER	31	REBECCA LESHER	26	MARILYN RAMEY	JULIE SHERMAN	25
JILL VAN AUKEN	27	EDIE JACOBSEN	35	CHARLOTTE COWAN	LILLIAN LATHROP	30
CRESENTA HILL	4:53.41	GENENE JOHNSON	35			
DONNA JOHNSON	29					

TOP TEN - SHORT COURSE METERS

WINNY JAHN	24	WILDCAT MASTERS	6:45.82	R:SAN DIEGO	95	9:16.40	200-239	
RUTGERS/BERKELE	6:06.50	SUSAN BRADLEY-COX	59	VICKY DAVIDSON			R:SAN DIEGO	96 10:58.27
KAY RIVERA	23	TITA ARNOLD	55	DIANNE GLEASON			BARBARA DUNBAR	
JODI ROBERTS	25	KIMBERLY DEYER	40	MATHILDE BOUWMA			DEBORAH PECKHAM	
JULIE STEWART	35	GAIL OMALLEY	41	NANCY NORTH			BETSY JORDAN	
MARIA VERGONI	19			BRUIN MASTERS	11:47.29		ALLISON RAAP	
MARYLAND MASTER	6:29.54	200-239		LINDA LEWIS	27		SAN DIEGO SWIM	10:58.27
KAREN TUCKER	30	R:SAN DIEGO	96 5:43.41	LAURA ERSKINE	29		BARBARA DUNBAR	47
MARY ANN STOTT	23	BETSY JORDAN		LILLIAN LATHROP	30		DEBBIE PECKHAM	57
L. LEICHLITER	35	PEGGY LEONG		SHANA DORONN	31		BETSY JORDAN	59
R. BERKOWITZ	25	BARBARA DUNBAR		BRUIN MASTERS	12:36.28		ALLISON RAAP	38
		MARILYN FINK		MAUREEN KELLY	36		OJAI SANTA BARB	13:53.14
120-159		SAN DIEGO SWIM	5:43.41	ANGELA TRABA	31		SYLVIA GLENN	58
R:SAN DIEGO	96 4:48.28	BETSY JORDAN	59	JENNIFER JOHNSON	19		KITTY JOHNSTON	54
LARA BIGLEY		PEGGY LEONG	52	MICHELLE CARRION	26		MALCHIA OLSHAN	65
K PIPES-NEILSON		BARBARA DUNBAR	47				LESLIE OGDEN	49
NANCY NORTH		MARILYN FINK	42	120-159			HEARTLAND S A M	15:07.99
VICKY DAVIDSON				R:SAN DIEGO	96 9:05.72		MARILYN RAMEY	56
SAN DIEGO SWIM	4:48.28	240-279		NANCY NORTH			MARLEE VALDERHAUG	54
LARA BIGLEY	28	R:ST LOUIS	92 6:24.68	D.MORTENSEN			AILEEN BARR	40
K PIPES-NEILSEN	34	REGAN KENNER		BETH KNIGHT			TRISH HUNTER	62
NANCY NORTH	28	CAROL TAYLOR		K.PIPES-NEILSEN			LA MESA MASTERS	16:02.31
VICKY DAVIDSON	31	ARDETH MUELLER		SAN DIEGO SWIM	9:05.72		NANCY RABIN	59
MARYLAND MASTER	5:27.25	JEAN SCHNORBUS		NANCY NORTH	28		VIRGINIA FLAGG	70
DEBORAH ZIMIC	34	O*H*I*O MASTERS	7:19.85	D.MORTENSEN	24		M*LISS HINSHAW	41
B. PROTZMAN	42	M. AMSBARY	71	BETH KNIGHT	37		JANE MONAGHAN	41
JILL SPRINGER	37	LILLY KRON	64	K.PIPES-NEILSEN	34			
EMILY WATTS	29	PHILLIS WILSON	63	SPM-A	11:21.53		240-279	
CRESENT HILL	5:29.99	BETTY RUSS	69	JILL VOORHIS	36		R:SAN DIEGO	94 12:54.35
JANET FITZAKERLEY	34	MARYLAND MASTER	9:11.82	CHRISTINE SWANSON	34		BETSY JORDAN	
MICHELLE WARD	27	NANCY BROWN	60	KIM STOTT	37		BOBBI TURCOTTE	
DONNA JOHNSON	29	JILL COLEMAN	66	LORI STAUCH	31		DIANA SILVA	
GINA GATTI	33	PATTY DEVANNY	37	LA MESA MASTERS	12:06.01		BARBARA DUNBAR	
WHITE PLAINS MA	5:46.08	BETTY TAYLOR	81	ROSEMARY HUTZLEY	42		HEARTLAND SWIM	15:23.07
REGINA RUSSO	41			KRISTEN THORTON	45		MARILYN RAMEY	56
GENEVE EHINGER	28	280-319		CATHY RUFF	28		MARLEE VALDERHAUG	55
CAROLYN REUTER	24	R:SAN DIEGO	96 8:13.24	BARBARA HULTENIUS	29		NANCY REED	69
NANCY SURDOVAL	43	BOBBI TURCOTTE		HEARTLAND SWIM	12:07.93		ELFRIEDE LEHTO	63
DCAC	6:05.14	ALICIA COLEMAN		VICKI WEBSTER	34			
KAREN BROWN	33	DIANA SILVA		REBECCA JACKMAN	33		280-319	
KRISTIN JERGER	30	ANN DALLAM		CHRISTE KUNCZINAM	31		R:ST. LOUIS	91 15:49.09
SUSAN KIZER	31	SAN DIEGO SWIM	8:13.24	ELAINE PERRY	40		CAROL TAYLOR	
MARIAH NELSON	40	BOBBI TURCOTTE	69				DORIS PETERS	
BRUIN MASTERS	6:39.73	ALICIA COLEMAN	71	160-199			EDITH HENDRY	
VICKI SERIANNI	45	DIANA SILVA	74	R:LAKESIDE	96 10:08.31		ANNALOU CARRIER	
JAIMI LUMBERT	37	ANN DALLAM	66	PAM MARTIN			SAN DIEGO SWIM	15:57.02
DEBORAH POLIER	38			A WRIGHT-BELKNAP			BOBBI TURCOTTE	69
MAUREEN KELLY	36	320-359		MARY CURL			ANN DALLAM	66
DSSTS	6:52.35	R:SAN MATEO	94 10:51.45	AMY POPE			DIANA SILVA	74
CHERRY ROBINSON	34	AUDREY ETIENNE		LAKESIDE MASTER	10:08.31		ALICIA COLEMAN	71
EDIE JACOBSEN	35	HILDA BUEL		MARY CURL	39			
GENENE JOHNSON	35	HELEN ROUMASSET		AMY POPE	36		320-359	
REBECCA LESHER	26	EDIE GOLDMAN		PAM MARTIN	39		R:SAN MATEO	94 20:48.75
IEM	7:09.08	NO RELAY TEAMS		A.WRIGHT-BELKNAP	46		AUDREY ETIENNE	
CINDY CLUTTER	36	*****		O*H*I*O MASTERS	12:22.10		HELEN ROUMASSET	
EYDIE KENDALL	32	RELAYS: WOMEN 800 M. FREE		JOAN STARK	36		EDIE GOLDMAN	
MARGARET HAIR	41	*****		CINDY MURPHY	36		HILDA BUEL	
CATHY KOSUSKO	31	76 - 99		NANCY WAITE	62		NO RELAY TEAMS	
LA MESA MASTERS	7:18.81	R:DCAC	96 9:47.25	JUDITH NORTON	39		*****	
CATHY RUFF	28	GRETCHEN HURLEY		BRUIN MASTERS	12:35.21		RELAYS: M E N 200 M. FREE	
PEGGY HUEY	44	SARAH KING		VICKI SERIANNI	45		*****	
BARBARA HULTENIUS	27	MERILEE ROBINSON		CHRISTIE CIRAULO	43		76 - 99	
HEATHER ROBERTS	29	ELIZA BARCUS		JAIMI LUMBERT	37		R:DAVIS AQUATIC	95 1:39.63
		DCAC	9:47.25	DEBORAH POLIER	38		JOHN KEPPELER	
160-199		GRETCHEN HURLEY	23	CHULA VISTA MAS	14:35.08		ANDY SLAKOFF	
R:LOS ALTOS	93 5:00.90	SARAH KING	21	LINDA BESSEMER	55		BRAD WINSOR	
AIMEE LEHR		MERILEE ROBINSON	22	LAURA PARTIDO	28		MATT GRAHN	
SUSAN ROY		ELIZA BARCUS	22	PEGGY RATNER	43		LA MESA MASTERS	1:50.25
LAURA VAL		QUAC	15:17.51	DIANE HIRAKAWA	47		SHANNON POTTER	26
CAROLYN BOAK		TANYA MATTHEWS	24	LA MESA MASTERS	16:21.54		JOSHUA KONOLD	21
SPM-A	6:22.90	JENNIFER THOMPSON	24	TERESA DAVILA	40		DALE WEBSTER	27
PAM GEIGER	43	E GUTIERREZ	24	NANCY RABIN	59		BYRON KONOLD	25
LESLIE TREAT	47	AKIKO SHIMIZU	24	ANN MARTIN	67		RUTGERS/BERKELE	1:51.75
CHRISTINE SWANSON	34			CATHY RUFF	28		CURTIS SAWIN	25
NANCY KIERNAN	42	100-119					JIM LEE	19

TOP TEN - SHORT COURSE METERS

BRADLEY MAGEE	30	MIKE MERE	38	DAVID UGAROVICH	49	PARIS ISLAND	2:21.70
TOMASZ WILK	23	SOUTHERN CALIFO	1:45.55	LAURENCE FRY	35	SCOTT GRABER	51
DCAC	2:13.04	OSIRIS BRISENO	20	GLENN STEWART	32	JOHN FONTANA	55
H HOLLOWAY	24	NICHOLAS IRONS	24	TNYA	1:50.46	LOU ROEMPKE	63
RON KAPLAN	25	JOHN QUINN	46	CHARLES CARSON	42	TIM WOOD	46
JOHN O'CONNOR	25	CLAY EVANS	43	BUCK BROKER	40		
MICHAEL KEARNS	25	RUTGERS/BERKELE	1:46.42	P GALLAGHER	43	240-279	
		ED TSUZUKI	37	MICHAEL EADE	39	R:BUCKEYE	94 1:58.22
100-119		SCOTT YEOMANS	32	SAN DIEGO SWIM	1:54.17	SID HALL	
R:EMPIRE STATE	93 1:36.03	THOMAS LAWSON	36	ERIC NEILSON	30	YOSHI OYAKAWA	
JOHN MIRANDA		C. MCGIFFIN	30	COLIN CHINN	38	THOMAS OLANDER	
MORK MARILLEY		HAVNA	1:46.47	LELAND SWANSON	45	JOHN FLORANCE	
BRUCE MACDONALD		ERIC LANGHORST	33	RICK EVANS	55	SAN DIEGO SWIM	1:59.58
ERIK OSBORN		PAUL KAHERISSA	29	MICH	1:54.23	MIKE FRESHLEY	55
ART	1:40.03	RICHARD OOSTRUM	34	RICHARD CHANEY	45	KENNETH KIMBALL	65
ALEXANDER BAILEY	35	H SANCHES	30	STEVE HANSEN	44	DONALD BAKER	65
S FITZGERALD	32	DCAC	1:47.49	LAWRENCE KIMBALL	45	BILL EARLEY	59
ROBERT HERMANET	26	KEVIN MAJOROS	36	LEONARD BROCKHAHN	45	GOLD COAST	2:04.83
JAY GRIFFIN	21	MIKE FLYNN	26	WH20	1:55.51	CAV CAVANAUGH	60
DCAC	1:40.47	STEVE WUNDER	32	DAVID HAY	46	WILLIAM DOLAN	67
COREY CARLISLE	25	SCOTT BRINITZER	33	MICHAEL MEALIFFE	56	HERB KERN	64
BRUCE BORNFLETH	29	MICH	1:47.91	JAY OLSON	47	ALAN RAPPERPORT	62
GERRY WARWICK	23	MIKE SCHULDINGER	34	JON BAUER	44	MICH	2:16.52
MICHAEL BRAY	29	CHRIS BAILEY	36			ELMER EGELKRAUT	62
CHSM	1:47.13	IAN PESSES	42	200-239		RONALD DUBOIS	47
THOMAS AUGSPURGER	29	ROBERT FORT	37	R:SO CAL AQUATIC	94 1:47.41	DON KORTEN	69
TODD SAVAGE	30	FINS	1:48.19	FRED HUBBELL		TOM REIGEL	66
DOUG MURPHY	25	MIKE DOWHY	32	FRANK PIEMME		NORTH CAROLINA	2:18.89
DAN FERGUSON	30	BRIAN CAHILL	31	FRANS NELSON		ARNIE FORMO	69
RUTGERS/BERKELE	1:48.65	JIM SENIOR	33	PETER O'KEEFFE		JOHN MURPHY	72
AARON MOORE	31	TOM CREECH	30	JERSEY MASTERS	1:49.47	MILTON GEE	59
M. SWEENEY	31	SCAQ	1:49.34	JIM DRAGON	52	LOU GADOL	54
R. SLAWINSKI	23	TODD MITCHELL	35	ARTHUR DEFFAA	48	CRAWFISH MASTER	2:23.15
ANDY SCHRAMM	33	JERRY SHANDREW	30	R. ALEXANDER	52	CLARKE MITCHELL	64
TNYA	1:49.79	JAY CALHOUN	37	EDWARD NESSEL	51	DOUGLAS HOLMES	60
ALEX HALL	25	BOB KING	34	SAN DIEGO SWIM	2:01.67	JOEL JACOBS	60
SCOTT HIROSE	30	WEST HOLLYWOOD	1:49.53	STEVE MOSELEY	58	CYRIL LANDRY	69
JIM RUGGIERO	24	ERROL GRAHAM	37	RICK EVANS	55	OJAI SANTA BARB	2:25.92
JOHNNY MORA	32	JAMES BALLARD	39	JERRY STENEHJEM	46	FRANK PIEMME	71
EMPIRE STATE MA	1:52.97	DONALD SKEOCH	33	BRUCE LINDQUIST	42	JOHN BLECK	63
JOHN CHAPKO	29	GARY QUINN	38	GOLD COAST	2:01.69	BOYD FORD	71
ROBERT VOLPE	27			CAV CAVANAUGH	61	JOHN STERN	72
ROBERT RIPP	34	160-199		ALAN RAPPERPORT	63	MARYLAND MASTER	2:36.82
DAKE GONZALEZ	25	R:COLONIALS	96 1:40.74	BILL BREWER	42	DONALD RICE	63
GRIN	1:53.79	CHARLES NORELLI		PETE LONCTEAUX	46	FRANK GANOCZY	59
CHARLES ROWLAND	33	THOMAS MEADE		LAKESIDE MASTER	2:05.28	PHILIP KERR	61
RICK VAVUL	31	MICHAEL SLENKER		LARRY KEATON	53	J. FORSYTHE	58
EDWARD PARRISH	23	GREGORY OXLEY		JAMES GOODWIN	49		
KEVIN DESTRAMPE	28	COLONIALS	1:40.74	TED WATHEN	49	280-319	
ART	2:02.26	CHARLES NORELLI	40	GLENN HUBBUCH	51	R:OREGON	90 2:13.84
L GOLUSINSKI	32	THOMAS MEADE	38	MARYLAND MASTER	2:05.38	EARL WALTER	
BILL BURROWS	29	MICHAEL SLENKER	49	CHRIS OSTROM	50	FORBES MACK	
JOE FINSTER	25	GREGORY OXLEY	37	BILL CONROY	53	GERALD HUESTIS	
MAX LE BLANC	24	SAN DIEGO SWIM	1:43.70	C. CHRISTENSEN	59	ANDREW HOLDEN	
DCAC	2:04.64	WILLIE WACHOB	44	S. SHAALAN	38	SAN DIEGO SWIM	2:17.31
CURTIS HINE	29	CHRIS DIXON	38	O*H*I*O MASTERS	2:10.02	DONALD BAKER	66
JEFF LOOMIS	26	LEE MENCH	43	DAVID QUIGGIN	51	DONALD HUBBARD	69
W CLEMSON	29	LARRY CARTWRIGHT	48	HENRY NAVE	52	MILTON SENS	70
SHANE PERRY	27	DCAC	1:45.98	GERALD MEYER	51	JERRY SIEFERT	79
		JAY FISETTE	40	CHUCK MALTA	49	SLAM	2:27.50
120-159		JACK MARKEY	43	MICH	2:11.18	JACK HUBER	74
R:BAYLOR/LONESTAR	92 1:37.89	ALAN GODFREY	39	ROBERT ZICK	45	ROBERT BLAKE	71
RICHARD HESS		JOSE CUNNINGHAM	40	HARVEY HANSEN	48	WILLIAM GRANT JR	83
DOUG MOYSE		MICH	1:47.94	ALAN SZYDLIK	50	ALLAN KALB	61
MOOK RHODENBAUGH		FRANK THOMPSON	44	ALBERT MORLEY	58	COAST MASTERS	2:32.47
BOBBY PATTEN		JOHN HAUSCHULZ	43	ANDERSON MASTER	2:13.49	WOODROW BOWERSOCK	83
MICH	1:44.49	JOHN OLSZEWSKI	41	GARRY VAN ROMER	39	ROBERT CHRISTIANS	81
ANDREW BERGER	31	ERIC NORDLUND	32	DARREL WERTZ	74	LOUIS GIBERSON	76
TODD BRIGGS	33	OREG	1:48.06	HENRY HERN	44	EMILE ACHEE	69
WILLIAM EAGAN	33	STEVE GEORGE	37	CHUCK ANDREWS	50	MICH	2:44.77
ERIC SHIRLEY	33	JESS HICKERSON	44	INLAND MASTERS	2:14.46	M.LAZDINS	74
WH20	1:45.29	MARK WORDEN	45	GEORGE BRUGGEMAN	61	JOHN ALT	71
ERIK NIELSON	29	PAT ALLENDER	38	MARK KRAKOWER	53	JOHN REESE	70
KELLY KING	38	SHW	1:49.88	BOB BEST	64	JAE BIRCH	68
JIM BALLARD	39	JULIUS YOUNG	50	CHARLIE POTTS	61	CONNECTICUT MAS	2:58.06

TOP TEN - SHORT COURSE METERS

HARRY ALBINGER	70	MIKE LEMONS	25	GREGORY OXLEY		MICH	2:22.75
VAL OUCHAKOF	72	WAISZE TAM	34	CHARLES NORELLI		JAY RYNO	50
R. THORNBERG	57	ALAN LIU	24	ROBERT KROTEE		DONALD KROEGER	52
GUS LANGNER	93	FRANK MCQUILLAN	34	DCAC	2:01.47	DENNIS MCMANUS	49
BOLTS MASTERS	3:07.29	ART	2:19.72	ALAN GODFREY	39	RALPH DAVIS	49
ELMER FROST	73	BILL BURROWS	29	JOSE CUNNINGHAM	40	WH20	2:22.80
ED STREETER	72	DOUGLAS NEAL	32	JAY FISETTE	40	MICHAEL MEALIFFE	56
ROBERT ALLEN	69	MICHAEL LAVERY	33	JACK MARKEY	43	JAY OLSON	47
DICK BOWER	66	MAX LE BLANC	24	SAN DIEGO SWIM	2:01.74	NEAL WIENER	52
MICH	3:49.13	BRUIN MASTERS	2:20.64	RICK KOZLOWSKI	44	DAVID HAY	46
LEO PHILLIPS	80	MATTHEW BUFFLEBEN	27	FRANK MACIEJEWSKI	36	MOUNTAIN VIEW M	2:26.46
DONALD MAY	75	ARI STRAUSS	21	CHRIS DIXON	38	ED MATHEWSON	50
BOB DOVD	72	WILLIAM GORIN	32	WILLIE WACHOB	44	ERIC SCHMIDT	40
BRIAN WHALEN	55	JAMES CAVIEZEL	28	OREG	2:03.04	TRUMAN SANDS	47
				STEVE GEORGE	37	ED KERSWILL	70
320-359		120-159		PAT ALLENDER	38	MARYLAND MASTER	2:30.45
R:LONG BEACH	94 2:51.43	R:BAYLOR/L STAR	94 1:45.01	MARK WORDEN	45	C. CHRISTENSEN	59
WALTER PFIEFFER		JAY YARID		JESS HICKERSON	44	ROB DOBRY	41
JOHN GLENN		GREG RHODENBAUGH		MICH	2:03.18	CHRIS OSTROM	50
WOODROW BOWERSOCK		BOBBY PATTEN		RICHARD CHANEY	45	BILL CONROY	53
BOB CHRISTIANS		MOOK RHODENBAUGH		STEVE HANSEN	44	MICH	2:30.70
NO RELAY TEAMS		RUTGERS/BERKELE	1:51.46	LAWRENCE KIMBALL	45	DAVE MANGE	40
*****		THOMAS LAWSON	36	LEONARD BROCKHAHN	45	RONALD DUBOIS	47
RELAYS: M E N 200 M. MEDLEY		BENN DOYLE	38	MICH	2:04.37	DON KORTEN	69
*****		CURTIS SAWIN	25	FRANK THOMPSON	44	ALBERT MORLEY	58
76 - 99		ED TSUZUKI	37	JOHN HAUSCHULZ	43	MICH	2:46.08
R:DAVIS AQUATIC	95 1:55.43	GOST	1:51.78	ERIC NORDLUND	32	WALTER PHEENEY	53
ANDY SLAKOFF		JOE REINHARDT	35	JOHN OLSZEWSKI	41	RANNY MAC ARTHUR	53
TIM LYNCH		TODD RADEL	24	FINS	2:07.19	JAMES WILLEY	52
BRAD WINSOR		THOMAS BOYD	40	JOHN CULHANE	40	JAMES COLEMAN	52
MATT GRAHN		KEVIN TUNSTALL	31	DAVID TOPEL	43	TSUN	2:50.61
NO RELAY TEAMS		DCAC	1:55.42	JOHN CIGLER	37	NEIL HART	51
		SCOTT BRINITZER	33	KEITH ROBINSON	42	RICHARD FABIAN	54
100-119		TIM MACDONALD	32	MICH	2:07.74	KRIS NERGAARD	49
R:LONG BEACH	95 1:48.94	PAUL FRENTSOS	35	DANIEL HELTON	45	ALLEN SABOURIN	49
MICHAEL KANNER		DEAN PUTTERMAN	34	LARRY SPRUNK	48		
ADAM SCHMITT		MICH	1:57.53	PAUL ROBERTS	47	240-279	
DOUG WAGNER		MIKE SCHMIDT	33	ROB MONTIE	48	R:BUCKEYE	94 2:16.44
BERT BERGEN		DARIN ABBASSE	34	PNA	2:09.95	YOSHI OYAKAWA	
DCAC	1:49.88	WILLIAM EAGAN	33	CURTIS WADE	45	THOMAS OLANDER	
STEPHEN SMITH	29	JON TEAL	25	JIM WILLIAMS	39	JOHN MEDICI	
MATT KINNEY	26	WEST HOLLYWOOD	1:59.11	MARC FAIRBANKS	44	JOHN FLORANCE	
NEILL WILLIAMS	28	JAMES BALLARD	39	STEVE WARMEHAVEN	34	SAN DIEGO SWIM	2:17.05
COREY CARLISLE	25	DONALD SKEOCH	33	MICH	2:12.92	BILL EARLEY	60
RUTGERS/BERKELE	2:00.73	GARY QUINN	38	TIMOTHY CLAYSON	42	MIKE FRESHLEY	55
C. MCGIFFIN	30	BRUCE HATTON	39	THOMAS WILLIAMS	44	G.WORTHINGTON	59
R. SLAWINSKI	23	MINN	2:00.29	DAVE SMITH	41	KENNETH KIMBALL	66
CLAYTON BOGUSKY	37	TOM SENN	29	PETER SIMON	38	SAN MATEO MARLI	2:25.47
JIM LEE	19	LINDSEY KOPP	39	CRESCENT HILL	2:13.25	RAY TAFT	77
ART	2:02.18	JASON SMITH	21	MICHAEL JOHMAN	34	DICK PETERSON	59
L GOLUSINSKI	32	MARK TRAMPF	38	MIKE PANTOJA	35	BILL STEUART	60
JACK MACKENROTH	27	FINS	2:00.42	LARRY HUNT	49	DON GALINE	50
MARK KAISER	32	MIKE DOWHY	32	JOHN GRAHAM	50	MICH	2:51.13
ANDREW SMITH	21	ROBERT RYAN	31			ELMER EGELKRAUT	62
LA MESA MASTERS	2:06.31	TOM CREECH	30	200-239		TOM REIGEL	66
JOHN LAPP	28	JIM ALTON	37	R:OLYMPIC CLUB	96 2:00.35	HARVEY HANSEN	48
DALE WEBSTER	27	VENICE MASTERS	2:00.90	TIM BIRNIE		JOHN REESE	70
SHANNON POTTER	26	CHAPPIE DEHAVEN	27	ROBERT STRAND		CRAWFISH MASTER	2:53.36
MICHAEL BAUER	27	DAVID KASTIGAR	32	RICHARD BASSI		CHARLES KLAWITTER	51
DSSTS	2:06.42	STEVE LATTA	29	JAMES KRUEGER		JOEL JACOBS	60
JOHN FARKAS	24	BRUCE STAHL	38	THE OLYMPIC CLU	2:00.35	CLARKE MITCHELL	64
DANA THOMASON	32	SOUTHERN CALIFO	2:01.57	TIM BIRNIE	50	TONY VITALE	75
MICHAEL GIVEN	32	OSIRIS BRISENO	20	ROBERT STRAND	50	MARYLAND MASTER	2:57.61
C LAWSON	30	NICHOLAS IRONS	24	RICHARD BASSI	55	DONALD RICE	63
DCAC	2:11.30	CLAY EVANS	43	JAMES KRUEGER	57	J. FORSYTHE	58
CURTIS HINE	29	BOB CONGELLIERE	67	JERSEY MASTERS	2:02.93	FRANK GANOCZY	59
GLENN MLAKER	29	MICH	2:01.91	R. ALEXANDER	52	PHILIP KERR	61
STEVE WUNDER	32	GARY PETERSON	39	EDWARD NESSEL	51	OJAI SANTA BARB	3:33.82
BRADY PHILLIPS	29	ROGER HARPER	30	ARTHUR DEFFAA	48	FRANK PIEMME	71
HEARTLAND S A M	2:12.81	GREGORY ROBINSON	39	JIM DRAGON	52	JOHN BLECK	63
PHILLIP BARR	20	ROBERT FORT	37	LAKESIDE MASTER	2:11.92	JOHN SELZER	41
JIBRIL HASSOUN	22			WILLIAM TINGLEY	46	BOYD FORD	71
MAC HALL	37	160-199		MARTY O'TOOLE	57		
GLENN LEEKS	30	R:COLONIALS 76	95 1:54.75	JOHN NOLAN	48	280-319	
MOUNTAIN VIEW M	2:18.84	J.NATHAN LEECH		THOMAS FINNEGAN	50	R:OREGON	90 2:36.92

TOP TEN - SHORT COURSE METERS

EARL WALTER		JIM EBERT	33	WEST HOLLYWOOD	3:57.18	RANDY CRUTCHFIELD	38
FORBES MACK		MIKE MCKEON	27	JAMES BALLARD	39	PETER SCHUBERT	36
ANDREW HOLDEN		JACK MACKENROTH	27	DONALD SKEOCH	33	DSSTS	4:48.00
GERALD HUESTIS		DCAC	3:54.95	GARY QUINN	38	C HOGAN	43
SAN DIEGO SWIM	2:45.98	MATT KINNEY	26	BRUCE HATTON	39	MIKE TOMPKINS	42
JERRY SIEFERT	79	MIKE FLYNN	26	SANTA CLARA MAS	3:59.93	SCOTT EHRlich	44
DONALD BAKER	65	GERRY WARWICK	23	MICHAEL MOORE	33	CHARLES LEONE	32
DONALD HUBBARD	69	MICHAEL BRAY	29	LARRY TAGGESELL	43		
MILTON SENS	70	GOST	3:58.73	TOM ARNOLD	41	200-239	
SLAM	3:02.47	KEVIN TUNSTALL	31	CRAIG VISSER	25	R:OLYMPIC CLUB	96 4:00.54
ALLAN KALB	61	TODD RADEL	24	BEACH CITIES SW	4:01.16	TIM BIRNIE	
WILLIAM CANNON	66	JOE REINHARDT	35	FRANK BIRD	33	ROBERT STRAND	
WILLIAM GRANT JR	83	NICK WRIGHT	27	JERRY LOPOPOB	29	RICHARD BASSI	
ROBERT BLAKE	71	LA MESA MASTERS	4:08.66	BRIAN MERRIGAN	36	EDWARD CAZALET	
COAST MASTERS	3:08.64	DALE WEBSTER	27	CHRISTOPHE COSNER	35	THE OLYMPIC CLU	4:00.54
BRION WINSHIP	78	MICHAEL BAUER	27	WH20	4:02.43	ROBERT STRAND	50
ALBERT SCHELL	65	JOHN LAPP	28	JIM RHYNE	31	TIM BIRNIE	50
LOUIS GIBERSON	76	SHANNON POTTER	26	ERIC DINGLER	31	RICHARD BASSI	55
EMILE ACHEE	69	TNYA	4:10.78	JAMES FROST	32	ED CAZALET	54
MICH	3:35.15	S NEYLAND	31	ROBERT FUENTES	32	OREG	4:07.35
JOHN ALT	71	ALEX HALL	25	HAVNA	4:02.61	TOM COFFEY	45
BOB DOVD	72	MARC WILKINS	31	ERIC LANGHORST	34	DOUG PRENTICE	48
JAE BIRCH	68	SCOTT HIROSE	30	RICHARD OOSTRUM	34	DAVID RADCLIFF	62
M.LAZDINS	74	RUTGERS/BERKELE	4:12.04	PAUL KAHERISSA	29	ROBERT SMITH	53
BOLTS MASTERS	3:48.69	R. SLAWINSKI	23	H SANCHES	30	JERSEY MASTERS	4:12.13
DICK BOWER	66	AARON MOORE	31	160-199		JIM DRAGON	52
MIKE OFFNER	82	M. SWEENEY	31	R:BRAT	95 3:52.66	R. ALEXANDER	52
BILL JENNINGS	57	ANDY SCHRAMM	33	GLENN WOODSUM		EDWARD NESSEL	51
MAURICE STERN	80	DSSTS	4:12.29	BOB RUTH		ARTHUR DEFFAA	48
		C LAWSON	30	CHRIS WILLIAMS		SAN DIEGO SWIM	4:12.27
320-359		MICHAEL GIVEN	32	DOUG SCHLAK		BILL EARLEY	60
R:ST PETE	95 4:01.38	JOHN FARKAS	24	WH20	4:11.06	LARRY CARTWRIGHT	48
KERMIT HOTVEDT		DANA THOMASON	32	PAUL FIGUEIREDO	50	MIKE FRESHLEY	55
FRANK TILLOTSON		SOUTH WEST AQUA	4:13.66	KELLY KING	38	LEE MENCH	43
JOHN JOHNSTON		JAMES DORROUGH	24	MIKE MERE	38	GOLD COAST	4:37.09
FRED WALBOLT		JOHN CLARK	25	JAMES CALAHAN	38	JOEL BURNS	50
NO RELAY TEAMS		JAMES TSAI	22	RUTGERS/BERKELE	4:14.53	HERB KERN	64
*****		CHRIS WITHERSPOON	44	RENDALL BANKS	53	CAV CAVANAUGH	60
RELAYS: M E N 400 M. FREE		DCAC	4:15.77	ROB COPELAND	40	RANDY NUTT	36
*****		JASON KLUGMAN	25	THOMAS LAWSON	36	DAVIS AQUATIC M	4:38.25
76 - 99		W CLEMSON	29	PAUL ANDERSON	36	EMORY HAWORTH	60
R:DAVIS AQUATIC	95 3:49.63	BRADY PHILLIPS	29	NSB	4:16.10	STEVE CARLSON	77
ANDY SLAKOFF		GLENN MLAKER	29	BARRY GALLOP	41	JON TICE	38
TODD GREENE		120-159		MICHAEL DIVELY	57	MICHAEL COLLINS	30
MATT GRAHN		R:DAVIS AQUATIC	95 3:36.25	JONATHAN OLSEN	33	WH20	4:46.50
TIM LYNCH		ANDREW MCPHERSON		MARTY HENDRICK	38	DAVID HAY	46
ART	4:07.84	MICHAEL COLLINS		ART	4:29.13	JAY OLSON	47
JOHN MERIDETH	25	BRAD WINSOR		ELLIS DIXON	38	NEAL WIENER	52
ANDREW SMITH	21	JOHN KEPPELER		JOHN ORRISON	39	MICHAEL MEALIFFE	56
ANTHONY NARDIS	21	DCAC	3:40.64	EMO MACDANIEL	43	MICH	4:49.18
MARK KAISER	32	DEAN PUTTERMAN	34	JOHN LADKY	45	RALPH DAVIS	49
CRESENT HILL	4:08.61	DAVID MICHAELS	33	MARYLAND MASTER	4:29.79	JAY RYNO	50
PAUL WIDMAN	23	ERIK KIELIN	32	CHRIS OSTROM	50	DONALD KROEGER	52
MICHAEL GOODWIN	25	PAUL FRENTSOS	35	S. SHAALAN	38	DENNIS MCMANUS	49
BRAD SCHMIED	24	SCAQ	3:50.50	C. CHRISTENSEN	59	MOUNTAIN VIEW M	4:53.65
ABRAHAM SOLANO	26	RICHARD DREWELow	27	BILL KVETKAS	35	ED KERSWILL	70
DCAC	5:09.01	JERRY SHANDREW	30	TNYA	4:31.18	ERIC SCHMIDT	40
H HOLLOWAY	24	JAY CALHOUN	37	P GALLAGHER	43	TRUMAN SANDS	47
RON KAPLAN	25	TODD MITCHELL	35	M D'AMICO	43	ED MATHEWSON	50
JOHN O'CONNOR	25	WH20	3:51.03	GENE MIGNOLA	40	O*H*I*O MASTERS	5:07.75
MICHAEL KEARNS	25	BRUCE HATTON	39	CURTIS BROWN	40	DOUG BROGAN	64
		KURT SMITH	36	RUTGERS/BERKELE	4:33.20	STEVE HORSFIELD	44
100-119		D SKEOCH	33	TOM KOELLHOFFER	47	DAVE QUIGGIN	52
R:ART	96 3:39.80	GARY QUINN	38	KEVIN LAVERY	37	JULIO APONTE	51
JAY GRIFFIN		CHSM	3:53.04	JOHN PROFACI	34		
ROBERT HERMANET		DAMON MACKERT	33	J. TUCKER	43	240-279	
ALEX BAILEY		DAN FERGUSON	30	DCAC	4:41.67	R:SAN DIEGO	95 4:31.43
BRUCE HAYES		MARTY SARUSSI	31	BRYON FUSINI	42	MIKE FRESHLEY	
ART	3:39.80	THOMAS AUGSPURGER	29	F JOHNSON	37	DONALD BAKER	
JAY GRIFFIN	21	FINSA	3:53.67	TONY MACDONALD	43	KENNETH KIMBALL	
ROBERT HERMANET	26	JOHN CIGLER	37	BRUCE SCHOPP	46	BILL EARLEY	
ALEXANDER BAILEY	35	JIM ALTON	37	GRIN A	4:43.12	SAN DIEGO SWIM	4:34.84
BRUCE HAYES	33	MIKE DOWHY	32	CHARLES LEE	52	WILLIAM PHILLIPS	68
ART	3:51.61	TOM CREECH	30	DOUG CHURCH	52	DONALD BAKER	65
JOHN BROWN	31					BILL EARLEY	59

TOP TEN - SHORT COURSE METERS

MIKE FRESHLEY	55	JOHN MERIDETH	25	QUAC	4:35.93	RICH ALEXANDER	
SAN MATEO MARLI	4:41.76	S FITZGERALD	32	DENNIS TESCH	31	ED NESSEL	
DON GALINE	60	MIKE MCKEON	27	BILL BARNETT	34	ART DEFFAA	
DICK PETERSON	59	TNYA	4:30.74	DOUG FADEL	27	JIM DRAGON	
RAY TAFT	77	KIRK PASKAL	29	BRIAN WARD	33	JERSEY MASTERS	4:38.38
BILL STEUART	60	ALEX HALL	25	BRUIN MASTERS	4:38.71	R. ALEXANDER	52
RINCONADA	5:32.46	JIM RUGGIERO	24	GERRY RODRIGUES	33	EDWARD NESSEL	51
RICHARD BENNETT	66	SCOTT HIROSE	30	MARK SNYDER	37	ARTHUR DEFFAA	48
AUGIE MOTMANS	69	CRESENT HILL	4:35.99	THOMAS KEATING	35	JIM DRAGON	52
CHRIS PRAEL	55	BRAD SCHMIED	24	IA MAXTONE-GRAHAM	37	66	5:09.78
ALDO DA ROSA	78	MICHAEL NEAL	32	BEACH CITIES SW	4:43.10	PETER BETZER	54
O*H*I*O MASTERS	5:48.80	MIKE PANTOJA	36	STEVEN KOVARY	54	T.VANDERVEEN	51
STEVE HAMILTON	61	PAUL WIDMAN	23	JERRY LOPOPOB	29	F.LEADBETTER	36
PIERCE BRAY	72	DSSTS	4:36.15	STEPHEN LAIRD	31	HAROLD FERRIS	66
PHIL WILLIAMSON	63	JOHN FARKAS	24	LOIS SAMARA	28	SAN DIEGO SWIM	5:15.72
BRUCE ALLEN	49	DANA THOMASON	32	160-199		RICK EVANS	55
280-319		MICHAEL GIVEN	32	R:OREGON	93 4:21.80	COLIN CHINN	38
R:SAN DIEGO	95 5:23.61	R BAUMHOVER	30	ROBERT SMITH		LELAND SWANSON	45
DONALD HUBBARD		LA MESA MASTERS	4:42.00	ALLEN STARK		DONALD BAKER	65
JERRY SIEFERT		JOHN LAPP	28	MATT ROTH		O*H*I*O MASTERS	5:44.58
JIM JONES		DALE WEBSTER	27	TOM COFFEY		DAVID QUIGGIN	51
WILLIAM PHILLIPS		SHANNON POTTER	26	DCAC	4:37.95	HENRY HAVE	52
OREG	5:44.50	MICHAEL BAUER	27	ALAN GODFREY	39	GERALD MEYER	51
GILBERT YOUNG	74	ART	4:51.23	JOSE CUNNINGHAM	40	CHUCK MALTA	49
EARL WALTER	75	L GOLUSINSKI	32	JAY FISETTE	40	INLAND MASTERS	6:25.16
MILTON MARKS	66	DOUGLAS NEAL	32	JACK MARKEY	43	CHARLIE POTTS	61
ERIC GUEST	67	ANTHONY NARDIS	21	JIM EBERT	33	GEORGE BRUGGEMAN	61
SLAM	5:51.51	JIM EBERT	33	WH20	4:40.59	BOB BEST	64
WILLIAM CANNON	66	VENICE MASTERS	4:53.01	BRUCE HATTON	39	MARK KRAKOWER	53
ROBERT BLAKE	71	DAVID KASTIGAR	32	JON BAUER	44	TSUN	6:33.43
WILLIAM GRANT JR	83	TERENCE YOUNG	31	PAUL FIGUEIREDO	50	NEIL HART	51
ALLAN KALB	61	CHAPPIE DEHAVEN	27	GARY QUINN	38	RICHARD FABIAN	54
		STEVE LATTA	29	FINS	4:56.16	KRIS NERGAARD	49
				JOHN CULHANE	40	ALLEN SABOURIN	49
320-359		120-159		CHRIS BARONE	48	MARYLAND MASTER	7:03.61
R:COAST MASTERS	95 6:34.05	R:W HOLLYWOOD	94 4:07.66	JIM ALTON	37	J. FORSYTHE	58
BRION WINSHIP		JAMES BALLARD		KEITH ROBINSON	42	BILL CONROY	53
ROBERT CHRISTIANS		WAYNE JACKSON		MICH	5:01.44	DONALD RICE	63
WALTER PFEIFFER		THOMAS REUDY		RICHARD CHANEY	45	PHILIP KERR	61
WOODROW BOWERSOCK		GARY QUINN		STEVE HANSEN	44	DCAC	7:04.29
NO RELAY TEAMS		GOST	4:06.27NV	LAWRENCE KIMBALL	45	HAL PONDER	54
*****		JOE REINHARDT	35	LEONARD BROCKHAHN	45	BILL DONOVAN	53
RELAYS: M E N 400 M. MEDLEY		TODD RADEL	24	LAKESIDE MASTER	5:05.07	KEN BEIER	46
*****		THOMAS BOYD	40	JOHN GLEASON JR	36	BRUCE MURRIE	51
76 - 99		KEVIN TUNSTALL	31	MARTIN O'TOOLE	57	BRUIN MASTERS	8:18.51
R:EMPIRE STATE	94 4:22.50	DCAC	4:12.04	WILLIAM TINGLEY	46	LOWELL OFFER	66
TONY MEINDL		PAUL FRENTSOS	35	THOMAS FINNEGAN	50	JOHN DRACUP	62
JACK MACKENROTH		LEO ESPINOSA	36	O*H*I*O MASTERS	5:14.81	JOHN LITCHMANN	40
JAMES RUGGIERO		ERIK KIELIN	32	DAVE BARBERIC	43	PAUL REKOFF	37
STEPHEN LARKIN		DAVID MICHAELS	33	DAVID ROTTHOFF	45	240-279	
NO RELAY TEAMS		WH20	4:16.98	STEPHEN HORSFIELD	44	R:SAN MATEO	93 5:25.95
		JIM RHYNE	31	LOU HORWITZ	43	RAY TAFT	
100-119		ROBERT FUENTES	32	O*H*I*O MASTERS	5:24.89	STANLY PANKO	
R:DCAC	96 4:02.26	KURT SMITH	36	BOB RADER	45	BILL STEUART	
STEVE SMITH		ERIK NIELSON	29	BUD KINNEY	44	DICK PETERSON	
MATT KINNEY		RUTGERS/BERKELE	4:18.61	GORDON DEMEESTER	54	SAN DIEGO SWIM	5:58.25
NEILL WILLIAMS		KENNETH FITCH	31	DAVID MAYHER	46	RICK EVANS	55
COREY CARLISLE		BENN DOYLE	38	O*H*I*O MASTERS	5:28.43	PETER RIDDLE	58
DCAC	4:02.26	CLAYTON BOGUSKY	37	LARRY FRAM	42	DONALD BAKER	65
STEPHEN SMITH	29	THOMAS LAWSON	36	VERNON PACHOLKE	41	KEN KIMBALL	66
MATT KINNEY	26	WEST HOLLYWOOD	4:32.58	BILL BRETZ	41	WIS MASTERS	6:55.09
NEILL WILLIAMS	28	JAMES BALLARD	39	JEFF BAILEY	36	FRANK FELD	69
COREY CARLISLE	25	DONALD SKEOCH	33	DCAC	5:30.63	BILL PAYNE	67
ART	4:16.46	GARY QUINN	38	MARK SHIMADA	38	ALEX MACGILLIS	68
JOHN BROWN	31	BRUCE HATTON	39	BRYON FUSINI	42	DAVID FARRELL	41
JACK MACKENROTH	27	SAN DIEGO SWIM	4:33.22	BARRY HADDAN	45	280-319	
ROBERT HERMANET	26	AARON STURM	37	ROB BIGELOW	43	R:OREGON	91 6:25.20
BRUCE HAYES	33	BRUCE LINDQUIST	42	ART	5:33.63	EARL WALTER	
RUTGERS/BERKELE	4:23.54	STEPHEN SEGRETO	33	JOHN ORRISON	39	BOB MORRISON	
C. MCGIFFIN	30	ERIC NEILSON	30	ELLIS DIXON	38	ANDREW HOLDEN	
SCOTT YEOMANS	32	GRIN	4:34.81	J MCDANIEL	43	FORBES MACK	
CURTIS SAWIN	25	KEVIN DESTRAMPE	28	JOHN LADKY	45	SLAM	7:06.46
AARON MOORE	31	TOM PERRIN	45	200-239		ALLAN KALB	61
ART	4:27.04	KEVIN SHERMAN	32	R:JERSEY	96 4:38.38		
ERIC CZANDER	30	DALE LONG	41				

TOP TEN - SHORT COURSE METERS

WILLIAM CANNON	66	VINCENT LOWELL	35	JAY RYNO	49	R:SAN DIEGO	96	10:55.12
WILLIAM GRANT JR	83	NICK GARDNER	31	O*H*I*O MASTERS	10:12.50	WALTER BECKER		
ROBERT BLAKE	71	DCAC	11:14.17	GORDON DEMEESTER	54	DONALD BAKER		
O*H*I*O MASTER	7:17.25	W CLEMSON	29	LARRY FRAM	42	BILL EARLEY		
JIM CALDWELL	65	CHRIS HAREN	34	ROBERT MARTIN	46	MIKE FRESHLEY		
PIETER CATH	65	SHANE PERRY	27	KARL KAZMAIER	41	SAN DIEGO SWIM	10:28.17	NV
PAUL KRUP	78	JEFF LOOMIS	26	ART	10:35.87	KENNETH KIMBALL	65	
DEXTER WOODFORD	82			ELLIS DIXON	38	BILL EARLEY	59	
				EDUARDO BRITES	38	MIKE FRESHLEY	55	
320-359		120-159		J MCDANIEL	43	WILLIAM PHILLIPS	68	
R:ST PETE	95	R:DCAC	96	JOHN LADKY	45			
KERMIT HOTVEDT	9:30.72	NEILL WILLIAMS	8:01.80	MICH	10:47.64	280-319		
FRANK TILLOTSON		DAVID MICHAELS		STEVE HANSEN	44	R:SAN DIEGO	95	12:47.62
JOHN JOHNSTON		STEVE SMITH		THOMAS MOYER	48	DONALD HUBBARD		
FRED WALBOLT		ERIC KIELIN		DONALD KROEGER	52	JERRY SIEFERT		
NO RELAY TEAMS		DCAC	8:01.80	THOMAS SCHARDT	28	JIM JONES		
*****		NEILL WILLIAMS	28	DCAC	10:59.90	WILLIAM PHILLIPS		
RELAYS: M E N 800 M. FREE		DAVID MICHAELS	33	KEN BEIER	46	NO RELAY TEAMS		
*****		STEPHEN SMITH	29	CARLOS DE LARA	37			
76 - 99		ERIK KIELIN	32	RANDY JONES	42	320-359		
R:EMPIRE STATE	93	ART	8:11.00	JAY MITCHELL	36	R:LONG BEACH	93	17:58.81
TONY MEINDL	8:56.41	BRUCE HAYES	33	HEARTLAND SWIM	11:04.12	DON NEEFE		
ALEXANDER HALL		MIKE MCKEON	27	GENE SAPPER	67	BRION WINSHIP		
JOHN SPEER		ALEXANDER BAILEY	35	RON SCHAFFER	39	JOHN GLENN		
ROBERT VALENTIN		JOHN BROWN	31	DAVID SAPPER	42	WOODROW BOWERSOCK		
LA MESA MASTERS	9:32.16	WH20	8:42.17	BRUCE MENZIES	46	NO RELAY TEAMS		
DALE WEBSTER	27	BRUCE HATTON	39	CWA	11:05.51	*****		
JOSHUA KONOLD	21	PHILIP HAYMAN	34	ERIC FIFE	35	RELAYS: MIXED 200 M. FREE		
BYRON KONOLD	25	D SKEOCH	33	DAVID JOHNSON	53	*****		
SHANNON POTTER	26	GARY QUINN	38	J HENDERSON	39	76 - 99		
SOUTHERN CALIFO	9:36.65	WEST HOLLYWOOD	8:44.80	JOHN MOOERS	34	R:OLYMPIC CLUB	95	1:43.33
MIKE FRAZER	35	BRUCE HATTON	39	TNYA	11:43.11	SHARON SCOTT		
OSIRIS BRISENO	20	JAMES BALLARD	39	JACK ALEXANDER	49	ALICIA WALKER		
KEN HASKETT	20	DONALD SKEOCH	33	BRUCE ALPERT	44	JAMIE PATRICK		
NICHOLAS IRONS	24	GARY QUINN	38	GEORGE SHERRY	38	MARTIN HERMANN		
ART	10:23.78	QUAC	8:55.93	M D'AMICO	43	BRUIN MASTERS	2:00.84	
ANDREW SMITH	21	DENNIS TESCH	31	BRUIN MASTERS	11:45.23	ARI STRAUSS	21	
CLINTON FISHER	22	BRIAN WARD	33	MICHAEL MARKS	45	MATTHEW BUFFLEBEN	27	
JOE FINSTER	25	DOUG FADEL	27	CHRIS HAUTY	40	ROBIN KRACKER	22	
JOHN MERIDETH	25	KYLE TREADWAY	36	ANDRE GUIMOND	48	MICHELLE BERGER	20	
BRUIN MASTERS	11:23.26	LAKESIDE MASTER	8:58.04	BILL GERBER	39	RUTGERS/BERKELE	2:06.08	
ARI STRAUSS	21	DALE MERCKER	29	BRUIN MASTERS	14:36.06	MARY RYAN	25	
STEVE KIM	20	SAM BLYTHE	37	JOHN DRACUP	62	MARIA VERGONI	19	
AMAL TRIVERI	23	JOHN NOLAN	48	VICTOR TABBUSH	51	TOMASZ WILK	23	
I KANELAKOPOULOS	32	CHUCK LAMBERT	39	J FRANK STEWART	44	JIM LEE	19	
		BRUIN MASTERS	9:04.61	PAUL REKOFF	37	ORVILLE MASTERS	2:06.98	
		SCOTT BEGIN	39			BRAD KINKEMA	25	
		GERRY RODRIGUES	33	200-239		GREGORY GORDON	22	
100-119		ROBERT DETTMER	31	R:CONNECTICUT	92	MARIA BREDENBACH	19	
R:DAVIS AQUATIC	95	MARK SNYDER	37	RONALD MOLNAR	9:48.41	JILL LONIER	24	
MICHAEL COLLINS	7:57.87	HAVNA	9:16.59	DANIEL DAVIS				
MATT GRAHN		ERIC LANGHORST	34	MICHAEL LAUX				
BRAD WINSOR		RICHARD OOSTRUM	34	JACK GEOGHEGAN		100-119		
JOHN KEPPELER		PAUL KAHERISSA	29	LAKESIDE MASTER	10:47.31	R:SAN DIEGO	95	1:45.63
ART	8:55.35	H SANCHES	30	GLENN HUBBUCH	51	STEPHEN SEGRETO		
ERIC CZANDER	30	CHSM	9:18.21	LARRY KEATON	53	ROBERT RODEE		
JIM EBERT	33	DAMON MACKERT	33	JAMES GOODWIN	49	K PIPES-NEILSEN		
S FITZGERALD	32	MARTY SARUSSI	31	THOMAS FINNEGAN	50	VICKY DAVIDSON		
JAY GRIFFIN	21	W TOEPPER	37	O*H*I*O MASTERS	10:55.37	RUTGERS/BERKELE	1:46.96	
AZQUA	9:06.14	JOHN KENNEDY	39	GERALD MEYER	52	L. CIALDELLA	32	
DON SCHRAMM	32	TSUN	9:33.73	TOM SPENCE	52	B. ROBBINS	26	
KEVIN GRENIER	29	BRIAN FITZGIBBONS	40	ROBERT SINSHEIMER	47	ED TSUZUKI	37	
ERIK SCOLLON	24	STEVE MURRAY	41	DAVE QUIGGIN	52	R. SLAWINSKI	23	
STUART MARVIN	32	WAYNE ROGERS	37	SAN DIEGO SWIM	11:01.49	MICH	1:47.76	
DCAC	9:22.62	BART MCDERMOTT	40	KEN KIMBALL	66	JON TEAL	25	
MIKE FLYNN	26			BILL EARLEY	60	KERRY HENAUPT	24	
JASON KLUGMAN	25	160-199		STEVE MOSELEY	58	HEATHER BUSS	19	
GERRY WARWICK	23	R:BRAT	95	MIKE FRESHLEY	55	ERIC SHIRLEY	33	
BRADY PHILLIPS	29	GLENN WOODSON	8:45.81	INLAND MASTERS	12:09.63	MICH	1:49.14	
VENICE MASTERS	9:45.38	BOB RUTH		GEORGE BRUGGEMAN	61	DARIN ABBASSE	34	
DAN BORTON	28	CHRIS WILLIAMS		STEVE CLARK	44	HEATHER HORNE	25	
CHAPPIE DEHAVEN	27	DOUG SCHLAK		BOB BEST	64	ALISSA GOWING	24	
STEVE LATTA	29	MICH	9:53.22	MARK KRAKOWER	53	MIKE SCHMIDT	33	
DAVID KASTIGAR	32	FRANK THOMPSON	44			IM	1:52.39	
WH20	10:14.61	ELMER SPERRY	41			BOB YOUNG	32	
SEYMOUR LIAO	27	ERIC NORDLUND	32	240-279		JENNIFER JACOBS	28	
STEPHEN DUDLEY	26							

TOP TEN - SHORT COURSE METERS

MATTHEW KOWAL	24	LIESA BENN	31	CARL HOUSE	57	MICH	3:09.66	
JENNIFER RIDGE	27	DAN BEATTY	30			MARTHA FORSTER	79	
ART	1:56.41	WHITLEY GREENE	37	200-239		NATALY BERCKMANN	46	
RACHAEL WALTON	26	DON MARTZ	40	R:LINCOLN	89	1:57.25	TOM REIGEL	66
JILL VAN AUKEN	27	O*H*I*O MASTERS	1:56.02	PAUL HUTINGER		BRIAN WHALEN	55	
DOUGLAS NEAL	32	LOU HORWITZ	43	IRENE DAVID		BOLTS MASTERS	3:22.84	
MICHAEL LAVERY	33	KARL KAZMAIER	40	COLLEEN MALMEN		VICKI BUCCINO	50	
VENICE MASTERS	1:58.00	LORI VIANCOURT	25	RAY PADOVAN		BETTY RUSSO	65	
CHAPPIE DEHAVEN	27	LAURA KESSLER	35	GOLD COAST	2:01.66	ED STREETER	72	
MARGARET PANONTIN	28	RUTGERS/BERKELE	1:59.31	CAV CAVANAUGH	61	ROBERT ALLEN	69	
STEVE LATTA	29	KATHY LYNCH	31	JOEL BURNS	50	MARYLAND MASTER	3:41.53	
CH SMITS VAN OYEN	25	LISA BRADLEY	31	B.EDELMAIER	50	PHILIP KERR	61	
SAN DIEGO SWIM	1:58.18	M. SWEENEY	31	GAIL RICE	40	FRANK GANOCZY	59	
ROBERT RODEE	24	ANDY SCHRAMM	33	SAN DIEGO SWIM	2:01.93	JILL COLEMAN	66	
ERIC NEILSEN	30	SOUTH BAY WAVES	1:59.31	BARBARA DUNBAR	47	BETTY TAYLOR	81	
LARA BIGLEY	28	TODD MITTLEMAN	32	MARILYN FINK	42	MICH	4:06.87	
NANCY NORTH	28	ERIC JONES	43	MIKE FRESHLEY	55	RUTH HILDEBRAND	79	
MARYLAND MASTER	1:59.11	LAURA HAJOST	28	G.WORTHINGTON	59	JENNIFER PARKS	52	
BILL KVETKAS	35	MARGARET MILLER	36	SOUTHERN CALIFO	2:03.84	DONALD MAY	75	
STEVEN MUCHOW	27			GARY LANGDOEN	51	ALAN SZYDLIK	50	
MARY ANN STOTT	23	160-199		BONNIE ADAIR	44	OJAI SANTA BARB	4:13.90	
R. BERKOWITZ	25	R:SAN DIEGO	96	1:47.38	KAREN MELICK	39	VITO PORTANOVA	76
BRUIN MASTERS	2:00.00	BETH KNIGHT		BOB CONGELLIERE	67	AUTUMN CHO	66	
JULIE SHERMAN	25	K.PIPES-NEILSEN		PNA	2:15.36	JENNIE TAYLOR	79	
LILLIAN LATHROP	30	LARRY CARTWRIGHT		KEN KOSTER	60	JOHN JOHNSTON	53	
GERRY RODRIGUES	33	LEE MENCH		PAUL MONOHON	50	280-319		
ROBERT DETTMER	31	SAN DIEGO SWIM	1:47.38	PINKY WALKER	53	R:OJAI S BARBARA	95	
MICH	2:00.77	BETH KNIGHT	37	MICHELLE MCPHEE	38	2:35.36		
LESLIE BLACKBURN	25	K.PIPES-NEILSEN	34	SAN DIEGO SWIM	2:24.03	FRANK PIEMME		
REBECCA FRAYNE	24	LARRY CARTWRIGHT	48	JOHN MILLER	47	GRACE ALTUS		
ERIKS PLADARS	33	LEE MENCH	43	RICK KOZLOWSKI	44	RUTH BAAR		
KEN GUTOWSKI	37	PALMETTO MASTER	1:57.81	JANET LAMOTT	61	JURGEN SCHMIDT		
		JOE SHAKE	38	PEGGY LEONG	52	SAN DIEGO SWIM	2:45.74	
120-159		HUGH WILDER	49	SLAM	2:24.14	DIANA SILVA	74	
R:ST.PETE	96	SHARON KNISLEY	33	SUSAN RICHMOND	35	DONALD HUBBARD	69	
LISA SUMMERS		KATIE MCNAMARA	41	ROBERT BLAKE	71	MILTON SENS	70	
WILLIAM SPECHT		SAN DIEGO SWIM	1:59.00	BETTY LEVINE	38	BOBBI TURCOTTE	69	
MCKEITHEN-BUSSEY		K PIPES-NEILSEN	34	ALLAN KALB	61	COAST MASTERS	3:28.45	
STUART BARTON		LYNNE LUND	56	MICH	2:26.09	MARGO BOUER	61	
ST.PETE	1:45.78	COLIN CHINN	38	JOYCE KOWALSKI	53	ROBERT CHRISTIANS	81	
LISA SUMMERS	25	CHRIS DIXON	39	ROBERT KRIST	54	DOUGLAS WALKER	65	
WILLIAM SPECHT	38	MARYLAND MASTER	2:02.08	CAROL RHUDY	53	MADELEINE MILLER	86	
J.BUSSEY-MCKEITHE	36	CHRIS OSTROM	50	JOHN HAUSCHULZ	43	ST. LOUIS MASTE	3:35.14	
STUART BARTON	28	S. SHAALAN	38	SAN DIEGO SWIM	2:27.88	EDITH HENDRY	85	
ARIZONA MASTERS	1:46.01	JILL SPRINGER	37	SANDRA VICKERS	57	CARL PENZEL	62	
STUART JEFFERIES	38	B. PROTZMAN	42	LYNNE LUND	56	CHERYL CORBETT	64	
LISA SARTORI	31	ARIZONA MASTERS	2:06.74	C.KACHADORIAN	65	CHARLES DEPAEPE	69	
RANE STITES	32	BOB LIOTTA	45	DAN DALY	32	BOLTS MASTERS	3:49.81	
HOP BAILEY	49	BRENDA CRESWELL	34	TEAM GREENVILLE	2:31.42	MARGARET BROU	74	
SAN DIEGO SWIM	1:51.30	MARY LIOTTA	44	BILL ROBERTSON	60	CLAIRE ROACH	69	
CHRIS DIXON	38	JIM STITES	39	MARY LOU HILL	48	MAURICE STERN	80	
MATHILDE BOUWMA	28	GOLD COAST	2:07.13	MARTY SMITH	43	ELMER FROST	73	
D.MORTENSEN	24	ALITA RAMSEY	33	JIM EDWARDS	50	NORTH CAROLINA	4:02.13	
WILLIE WACHOB	44	BILL QUALE	55	MICH	2:36.79	DUDLEY DEAN	71	
MICH	1:51.76	DEBBIE CAVANAUGH	38	RICHARD CARVETH	44	BUZ CATLIN	82	
JOHN MASTENBROOK	40	PAUL RANDALL	35	P.STRICKLAND	55	HAROLD HOFFMAN	88	
MARILYN EARLY	38	JERSEY MASTERS	2:07.93	IDA SMITH	62	SANDRA KREMER	60	
PASCALE ARBURY	36	PAUL COX	45	THOMAS MOYER	48			
MARK DUNN	24	JUDY RAMIREZ	38			320-359		
VENICE MASTERS	1:53.59	SUSAN ROESCHKE	46	240-279		R:LONG BEACH	94	
DAVID KASTIGAR	32	JACK FRAIN	42	R:LOS ALTOS	92	2:12.98	3:37.67	
BRUCE STAHL	38	IEM	2:10.05	JOHN RICHARDS		WALTER PFEIFFER		
TERI ELLIS	28	VICKI MARSH	33	JAY CRADDOCK		MADELEINE MILLER		
CECILIA HENRIKSEN	29	SCOTT WILSON	49	DELLA SEHORN		MAXINE MERLINO		
CRAWFISH MASTER	1:55.09	ELIN ZANDER	41	LAURA VAL		WOODROW BOWERSOCK		
ADAM WERTH	27	JOEL LORENZEN	42	SAN DIEGO SWIM	2:13.91	NO RELAY TEAMS		
CINDY UNRUH	26	MICH	2:10.43	BILL EARLEY	60	*****		
HELEN CANE	41	SHIRLEY DACEY	59	BETSY JORDAN	59	RELAYS: MIXED 200 M. MEDLEY		
STEVEN HECK	47	CLAIRE BRYANT	34	DEBBIE PECKHAM	57	*****		
SAN DIEGO SWIM	1:55.15	ERIC NORDLUND	32	DONALD BAKER	65	76 - 99		
MICHAEL WILTGEN	38	ROBERT FORT	37	MICH	2:44.01	R:DAVIS AQUATIC	95	
SHIRLEY BOYD	23	GOLD COAST	2:11.46	FRANK THOMPSON	44	2:03.64		
DIANNE GLEASON	31	B.EDELMAIER	49	EDITH GLUSAC	77	ANDY SLAKOFF		
COLIN CHINN	38	KATHLEEN SCHWARTZ	30	DENNIS MC MANUS	48	WENDY CERRUTI		
GEORGIA MASTERS	1:55.62	JORG FELDVOS	36	LOIS NOCHMAN	71	BRAD WINSOR		
						TATE BIRNIE		
						RUTGERS/BERKELE	2:15.84	

TOP TEN - SHORT COURSE METERS

K. SPONENBERG	23	NICK BARAJAS	30	LONG BEACH SWIM	2:18.36	KATHY VITU	42
E. SOMMERLAD	25			MIMI FRANK	49	JOHN RIES	64
JIM LEE	19	120-159		DAVE FRANK	52	MARYLAND MASTER	3:02.27
TOMASZ WILK	23	R:LAKESIDE	89	MICHAEL HEATHER	42	J. FORSYTHE	58
SOUTHERN CALIFO	2:18.09	WILLIAM TINGLEY		DEBBIE BRADBURY	45	NANCY BROWN	60
OSIRIS BRISENO	20	GINA GATTI		SOUTHERN CALIFO	2:20.13	KAREN TUCKER	30
KELLEY MCAULIFFE	27	MICHAEL HIGGS		LYNN CANNING	35	PHILIP KERR	61
NICHOLAS IRONS	24	MELINDA SCHMITT		CLAY EVANS	43	MICH	3:06.97
ANGELA CURTIS	26	SAN DIEGO SWIM	1:59.21	DEBRA DEL NERO	36	BEVERLY MYERS	60
BRUIN MASTERS	2:22.58	K.PIPES-NEILSEN	34	JOHN QUINN	46	P.STRICKLAND	55
TIMOTHY IP	21	CHRIS DIXON	38	WH20	2:21.15	THOMAS MOYER	48
JULIE SHERMAN	25	FRANK MACIEJEWSKI	36	JIM RHYNE	31	THOMAS LIPAROTO	44
ROBIN KRACKER	22	BETH KNIGHT	37	JESSICA SEATON	43	ELMWOOD SHARKS	3:21.16
ALAN GELB	28	RUTGERS/BERKELE	2:03.05	PAUL FIGUEIREDO	50	GREG BAGBY	50
ORVILLE MASTERS	2:28.84	B. ROBBINS	26	DONNA WILLIAMS	39	MIKE OFFNER III	52
BRAD KINKEMA	25	BENN DOYLE	38	RUTGERS/BERKELE	2:22.05	CECILE MANY	42
GREGORY GORDON	22	KENNETH FITCH	31	JUDY LEE	46	ROSEMARY KARIKER	77
MARIA BREDENBACH	19	L. CIALDELLA	32	MARY RYAN	25	MICH	3:30.11
JILL LONIER	24	WH20	2:05.26	JACK WILSON	44	MERLYN EWBANK	76
		ANDREA DEVUONO	34	RENDALL BANKS	53	ILENE MC INTOSH	48
100-119		ERIC DINGLER	31	JERSEY MASTERS	2:23.96	RICHARD EVANS	71
R:CRAWFISH	94	KURT SMITH	36	PAUL COX	45	DONALD LAW	39
NEIL HARPER		MIDI HANSEN	30	JUDY RAMIREZ	38		
PAIGE HARPER		LAKE LYTAL	2:06.65	SUSAN ROESCHKE	46	240-279	
BRIAN ZEILINSKI		DIANA LUCAS	36	JACK FRAIN	42	R:N.CAROLINA	96
HEATHER HAGEMAN		GLORIA NEMET	32	MENLO PARK MAST	2:24.65	JEANNIE MITCHELL	2:26.10
RUTGERS/BERKELE	2:07.35	LEONARD RODRIGUEZ	39	GINNY LANGMUIR	44	SALLY NEWELL	
KATHY LYNCH	31	GORDON ANDREWS	36	CARL MORTENSEN	52	JOHN KORTHEUER	
R. SLAWINSKI	23	SAN DIEGO SWIM	2:06.84	LISA GOODRICH	27	DICK WEBBER	
C. MCGIFFIN	30	LARA BIGLEY	28	MURRAY MCLAUGHLAN	55	NORTH CAROLINA	2:26.10
LISA BRADLEY	31	COLIN CHINN	38	TEM	2:28.96	JEANNIE MITCHELL	49
MOUNTAIN VIEW M	2:12.79	STEPHEN SEGRETO	33	CINDY CLUTTER	36	SALLIE NEWELL	59
MIKE LEMONS	25	VICKY DAVIDSON	31	MARGARET HAIR	41	JOHN KORTHEUER	65
ALAN LIU	24	RINCONADA MASTE	2:08.10	DAVE BARNES	41	DICK WEBBER	67
ELAINE HEAL	22	CHRIS KANAZAWA	29	BILL TRAVIS	48	SAN DIEGO SWIM	2:44.16
SUZANNE GARRITY	29	FRED FARLEY	42	CHULA VISTA MAS	2:31.91	BETSY JORDAN	59
ART	2:14.20	JAMIE RAAB	25	SAM LUND	39	STEVE MOSELEY	58
ANTHONY NARDIS	21	JIM WANDERER	30	DIANE HIRAKAWA	47	LUNNE LUND	56
LISA FINFER	31	VENICE MASTERS	2:08.93	ALFREDO GUTMAN	53	DONALD HUBBARD	69
JACK KING	33	TERI ELLIS	28	EDNA FLORES	25	STANFORD MASTER	2:48.34
RAE RILEY	33	DAVID KASTIGAR	32			GEORGE GULEVICH	64
MICH	2:14.35	CECILIA HENRIKSEN	29	200-239		EILEEN WALL	38
LESLIE BLACKBURN	25	BRUCE STAHL	38	R:S CAL AQUATIC	96	BARRY FASBENDER	59
REBECCA FRAYNE	24	SIERRA NEVADA M	2:09.30	BONNIE ADAIR		MARJORIE SHARPE	79
ERIC SHIRLEY	33	CHIP HOBSON	29	KAREN MELICK		RINCONADA MASTE	2:52.62
ANDREW BERGER	31	NENAD RODIC	26	GARY LANGENDOEN		SUE SPRINGER	58
CRAWFISH MASTER	2:14.54	NANCY ROSE	35	BOB CONGELLIERE		AUGIE MOTMANS	68
ROSS HEDRICK	21	CELESTE MILLER	46	SOUTHERN CALIFO	2:12.20	BOBBIE CALLISON	63
ADAM WERTH	27	MICH	2:10.50	BONNIE ADAIR	44	ALDO DA ROSA	78
LESLIE STANLEY	35	MARILYN EARLY	38	KAREN MELICK	39	SAN MATEO MARLI	2:52.72
ANN HILL	27	PASCALE ARBURY	36	GARY LANGENDOEN	51	RAY TAFT	77
DAVIS AQUATIC M	2:16.85	JOHN MASTENBROOK	40	BOB CONGELLIERE	67	DALE FINCH	46
MICHAEL COLLINS	30	MARK DUNN	24	MICH	2:34.78	LYNNE DEVICTORIA	54
JENNIFER LUNDMARK	30	HEARTLAND SWIM	2:10.57	FRANK THOMPSON	44	ROGER CAMPBELL	66
BRANDON CARTER	25	VICKI WEBSTER	34	CAROL RHUDY	53	MICH	3:03.55
JENNIFER COLLINS	27	RON SCHAFER	39	WILLIAM BROWN	50	EDITH GLUSAC	77
MARYLAND MASTER	2:17.16	PHILLIP BARI	20	JOYCE KOWALSKI	53	JAY MAHLER	48
R. BERKOWITZ	25	REBECCA JACKMAN	33	SAN DIEGO SWIM	2:35.13	LOIS NOCHMAN	71
S. SHAALAN	38			BILL EARLEY	60	DENNIS MC MANUS	48
STEVEN MUCHOW	27	160-199		PEGGY LEONG	52	HEARTLAND SWIM	3:17.43
EMILY WATTS	29	R:W HOLLYWOOD	94	MIKE FRESHLEY	55	NANCY REED	69
SAN DIEGO SWIM	2:19.15	ANDREA DEVUONO	2:01.59	GINI BAKER	46	ELFRIEDE LEHTO	63
D.MORTENSEN	24	KAREN MELICK		MICH	2:44.88	GENE SAPPER	67
DAN DALY	32	MICHAEL MEALIFFE		FREDERICKA RAPP	51	BRUCE MENZIES	46
AAROM STURM	37	THOMAS REUDY		IDA SMITH	62	SAN DIEGO SWIM	3:21.94
SHIRLEY BOYD	23	PALMETTO MASTER	2:12.93	DONALD KROEGER	52	KEN KIMBALL	66
MICH	2:20.44	HUGH WILDER	49	MICHAEL SCHULTZ	38	BETTIE MACINNES	82
ERIC NORDLUND	32	KATIE MCNAMARA	41	MOUNTAIN VIEW M	2:52.91	NANCY NORTH	28
WENDY HARTWIG	25	SHARON KNISLEY	33	BERNA BENNETT	69	DONALD BAKER	65
MIKE SCHULDINGER	34	JOE SHAKE	38	ERIC SCHMIDT	40	MICH	3:25.98
CYNDI WILHELM	27	GOLD COAST	2:16.84	LISA NAKAMOTO	34	ROBERT KRIST	54
TSUN	2:21.91	MARTY HENDRICK	38	ED KERSWILL	70	JEWEL COOKE	87
MARTA KREPS	36	CRAIG BURNS	44	MICH	2:55.66	ROBERT FORT	37
JACKIE KEEGAN	22	DEBBIE CAVANAUGH	38	SUZANNE SWANTON	56	MARY WILLIAMS	64
DOUGLAS LEE	29	B.EDELMAIER	49	CHARLES MOSS	67	MARYLAND MASTER	4:03.75

TOP TEN - SHORT COURSE METERS

DONALD RICE	63	ERIC CZANDER	30	TERESA FLANNAGAN	28	NANCY BROWN	60
JILL COLEMAN	66	DAVIS AQUATIC M	4:21.04	MARGARET PANONTIN	28	PATTY DEVANNY	37
FRANK GANOCZY	59	MICHAEL COLLINS	30	JOHN KOCKER	42	BRUIN MASTERS	7:15.96
BETTY TAYLOR	81	JENNIFER COLLINS	27	SOUTHWEST YMCA	4:40.26	LOWELL OFFER	66
280-319		JENNIFER LUNDMARK	30	MARISSA JOHNSON	39	ANDRE GUIMOND	48
R:OJAI S BARBARA 95	2:55.31	BRANDON CARTER	25	DON KARANOVICH	46	BARBARA MCDOWELL	51
GAY COLLINS		MARYLAND MASTER	4:34.91	AMY SLAUGHTERBECK	19	RORY BARISH	40
FRANK PIEMME		BILL KVETKAS	35	JOHAN KERKHOVE	44	HEARTLAND SWIM	7:16.57
JURGEN SCHMIDT		STEVEN MUCHOW	27	ARIZONA MASTERS	4:40.97	GENE SAPPER	67
RUTH BAAR		R. BERKOWITZ	25	LISA SARTORI	31	WILLIAM HARVIE	42
SAN DIEGO SWIM	2:59.36	EMILY WATTS	29	STUART JEFFERIES	38	ELAINE PERRY	40
DIANA SILVA	74	HEARTLAND S A M	4:49.00	RANE STITES	32	TRISH HUNTER	62
ALICIA COLEMAN	71	JIBRIL HASSOUN	22	HOP BAILEY	49	240-279	
DONALD HUBBARD	69	PHILLIP BARI	20	TNYA	4:44.27	R:SAN DIEGO 96	5:22.00
MILTON SENS	70	C.KUNCZINAM	31	CHARLES RILEY	42	DEBORAH PECKMAN	
SAN MATEO MARLI	3:26.62	MAUREEN MARKS	43	KATHLEEN LARGE	27	PEGGY LEONG	
HILDA BUEL	82	TSUN	4:52.56	EILEEN FAGAN	34	DONALD BAKER	
BILL STEUART	60	DOUGLAS LEE	29	RICHARD VEITH	31	KENNETH KIMBALL	
DICK PETERSON	59	JACKIE KEEGAN	22	160-199		SAN DIEGO SWIM	5:22.00
AUDREY ETIENNE	80	MARTA KREPS	36	R:SAN DIEGO 96	3:57.64	DEBBIE PECKHAM	57
COAST MASTERS	4:33.08	NICK BARAJAS	30	K.PIPES-NEILSEN		PEGGY LEONG	52
BRION WINSHIP	78	BLAIRWOOD CARIT	4:53.96	BETH KNIGHT		DONALD BAKER	65
MADELEINE MILLER	86	HEATHER MILLER	22	LARRY CARTWRIGHT		KENNETH KIMBALL	66
MARGO BOUER	61	JENNIFER TUCKER	24	LEE MENCH		SAN DIEGO SWIM	5:39.42
LOUIS GIBERSON	76	CHARLES FRANCKE	40	SAN DIEGO SWIM	3:57.64	BETSY JORDAN	59
MICH	4:40.57	SAM KAO	30	K.PIPES-NEILSEN	34	DONALD HUBBARD	69
RUTH HILDEBRAND	79	LA MESA MASTERS	5:08.51	BETH KNIGHT	37	LUNNE LUND	56
MARTHA FORSTER	79	THOMAS RUFF	28	LARRY CARTWRIGHT	48	BILL EARLEY	60
JOHN REESE	70	CATHY RUFF	28	LEE MENCH	43	SAN MATEO MARLI	5:42.98
ELMER EGELKRAUT	62	BARBARA HULTENIUS	27	THE OLYMPIC CLU	4:05.73	ROGER CAMPBELL	66
BOLTS MASTERS	4:49.52	SHANNON POTTER	26	TOD SPIEKER	48	DALE FINCH	46
CLAIRE ROACH	69	ART	5:48.58	SHARON SCOTT	25	LYNNE DEVICTORIA	54
MIKE OFFNER	82	MELANIE MOORE	31	DANIELLE OGIER	44	RAY TAFT	77
MARGARET BROU	74	CARMELLA TAFOYA	37	CHARLES YOURD	44	MOUNTAIN VIEW M	5:53.11
MAURICE STERN	80	MAX LE BLANC	24	DCAC	4:58.23	ED KERSWILL	70
NORTH CAROLINA	5:56.64	JOE FINSTER	25	CONSTANCE MECK	46	BERNA BENNETT	69
DUDLEY DEAN	71	120-159		CAROL GALBRAITH	46	JERRY RODDER	69
BETTE HOFFMAN	77	R:SAN DIEGO 96	3:54.42	WILSON RUMBLE	35	LISA NAKAMOTO	34
BUZ CATLIN	82	ALAN VOISARD		CARLOS DE LARA	37	RINCONADA MASTE	6:05.61
HAROLD HOFFMAN	88	STEPHEN SEGRETO		TSUN	5:03.10	SUE SPRINGER	58
320-359		K PIPES-NEILSEN		STEVE MURRAY	41	AUGIE MOTMANS	68
R:LONG BEACH 94	3:56.40	VICKY DAVIDSON		MICHELLE OLIVAN	37	BOBBIE CALLISON	63
MAXINE MERLINO		SAN DIEGO SWIM	3:54.42	JAN MICHAELS	49	ALDO DA ROSA	78
MADELEINE MILLER		ALAN VOISARD	36	WAYNE ROGERS	37	MARYLAND MASTER	7:48.81
WALTER PFEIFFER		STEPHEN SEGRETO	33	MARYLAND MASTER	5:05.23	FRANK GANOCZY	59
WOODROW BOWERSOCK		K PIPES-NEILSEN	34	C. CHRISTENSEN	59	PHILIP KERR	61
NO RELAY TEAMS		VICKY DAVIDSON	31	CHRIS OSTROM	50	JILL COLEMAN	66
*****		QUAC	4:09.82	JILL SPRINGER	37	BETTY TAYLOR	81
RELAYS: MIXED 400 M. FREE		P.KAWAKAMI	46	L. LEICHLITER	35	280-319	
*****		DOUG FADEL	27	200-239		R:OJAI S BARBARA 95	5:49.30
76 - 99		KIMBERLY SMITH	32	R:SO CAL AQUATIC 94	4:27.29	FRANK PIEMME	
R:SANTA CLARA 94	4:08.78	DENNIS TESCH	31	CLAY EVANS		RUTH BAAR	
JOANNE MILLARD		RINCONADA MASTE	4:21.39	BONNIE ADAIR		GRACE ALTUS	
MIKE MOORE		KERRY FALLA	40	FRANK PIEMME		JURGEN SCHMIDT	
ANNE WATKINS		CHRIS KANAZAWA	29	DIANA TODD		SAN MATEO MARLI	7:07.47
B.LICHTENWALTER		JAMIE RAAB	25	SAN DIEGO SWIM	5:33.96	DICK PETERSON	59
NO RELAY TEAMS		JIM WANDERER	30	MIKE FRESHLEY	55	BILL STEUART	60
100-119		SOUTH BAY WAVES	4:23.72	LAURA MELDRUM	43	HILDA BUEL	82
R:SAN DIEGO 95	3:58.37	LAURA HAJOST	28	GINI BAKER	46	AUDREY ETIENNE	80
D MORTENSEN		MARGARET MILLER	36	DONALD BAKER	65	*****	
ROBERT RODEE		TODD MITTLEMAN	32	LAKESIDE MASTER	5:50.43	RELAYS: MIXED 400 M. MEDLEY	
VICKY DAVIDSON		ERIC JONES	43	LARRY KEATON	53	*****	
STEPHEN SEGRETO		MOUNTAIN VIEW M	4:24.62	WENDY MEDLEY	42	76 - 99	
DCAC	4:07.02	JOHN RIZZO	39	MARTIN O'TOOLE	57	R:DAVIS AQUATIC 95	4:33.44
BRUCE BORNFLETH	29	WENDI SCHIELD	41	JOYCE VOIT	62	JOHN KEPPELER	
SARAH KING	21	SUZANNE GARRITY	29	MICH	5:52.94	TIM LYNCH	
COJRTNEY CHUBB	26	ERIC FORSTER	37	DONALD KROEGER	53	CHRISTINE SCHULTZ	
DAVID MCNEAR	28	INLAND MASTERS	4:35.84	BEVERLY MYERS	62	TATE BIRNIE	
ART	4:17.85	MIKE MURPHY	36	PAT STRICKLAND	55	HEARTLAND S A M	5:14.88
DAVID HOLAN	28	VIRGINIA MORETTO	27	RICHARD CARVETH	44	VICKI WEBSTER	34
RAE RILEY	33	FRANK MCKINLEY	34	MARYLAND MASTER	6:02.25	JIBRIL HASSOUN	22
RACHAEL WALTON	26	DIANE MCCLURE	35	J. FORSYTHE	58	PHILLIP BARI	20
		VENICE MASTERS	4:39.10	DONALD RICE	63	KINDL COLLINS	23
		DAN BORTON	28				

TOP TEN - SHORT COURSE METERS

100-119		MIKE MURPHY	36	PETER RIDDLE		RELAYS: MIXED 800 M. FREE	
R:SAN DIEGO	93 4:29.74	FRANK MCKINLEY	34	BARBARA DUNBAR		*****	
ALAN VOISARD		NINA PIELSTICK	24	BILL EARLY		76 - 99	
LUKE SALERNO		DIANE MCCLURE	35	SAN DIEGO SWIM	6:01.51	R:DAVIS AQUATIC	95 9:03.90
KARLYN PIPES		HEARTLAND S A M	5:16.72	BETSY JORDAN	59	TATE BIRNIE	
DIANE GLEASON		REBECCA JACKMAN	32	COLIN CHINN	38	CHRISTINE SCHULTZ	
RUTGERS/BERKELE	4:44.80	RON SCHAFFER	38	LUNNE LUND	56	TODD GREENE	
THOMAS LAWSON	36	GEORGE DALL	41	DONALD HUBBARD	69	TIM LYNCH	
R. SLAWINSKI	23	C.KUNCZINAM	31	SAN DIEGO SWIM	6:17.53	BRUIN MASTERS	10:33.19
MARY RYAN	25	SAN DIEGO SWIM	5:18.38	BILL EARLEY	60	WINNY JAHN	24
LISA BRADLEY	31	ALLISON RAAP	38	PEGGY LEONG	52	JAMES CAVIEZEL	28
DCAC	4:47.80	FRANK MACIEJEWSKI	36	MIKE FRESHLEY	55	EALING JAHN	20
DAVID MCNEAR	28	NANCY NORTH	28	GINI BAKER	46	ROBIN KRACKER	22
SHEILA WALSH	26	JOHN MILLER	47	MARYLAND MASTER	6:37.43		
COURTNEY CHUBB	26	EMPIRE STATE MA	5:21.33	J. FORSYTHE	58	100-119	
MICHAEL BRAY	29	SUSAN MURRAY	40	NANCY BROWN	60	R:CRESENT HILL	95 8:50.58
MARYLAND MASTER	4:48.51	EILEEN FAGAN	34	MARY ANN STOTT	23	DALE MERCKER	
R. BERKOWITZ	25	DAKE GONZALEZ	25	PHILIP KERR	61	DONNA JOHNSON	
BILL KVETKAS	35	ROBERT VOLPE	27	HEARTLAND S A M	6:51.08	GINA GATTI	
KRISTEN CORBETT	30			NANCY REED	69	MICHAEL NEAL	
STEVEN MUCHOW	27	160-199		RAY EHLY	42	DCAC	9:37.73
SAN DIEGO SWIM	4:55.45	R:OLYMPIC CLUB	95 4:32.89	DOUGLAS SELBY	50	DAVID CORAY	34
LARA BIGLEY	28	FRED FERROGGIARO		JUDY TILARO	61	ERIN CAMPBELL	23
ERIC NEILSEN	30	ROBERT STRAND		O*H*I*O MASTERS	8:31.53	MARGARET HOWELL	23
NANCY NORTH	28	LYNN JOLLY		MARIANNE BROGAN	61	LEO ESPINOSA	36
ROBERT RODEE	24	DANIELLE OGIER		MAUREEN KOSS	53	HEARTLAND S A M	9:44.36
HEARTLAND S A M	5:12.12	SAN MATEO MARLI	5:22.09	DOUG BROGAN	64	PHILLIP BARI	20
VICKI WEBSTER	34	DON GALINE	58	STEVE HAMILTON	61	GLENN LEEKS	30
JOEL HULL	26	CARIG SIHNER	36			VICKI WEBSTER	34
COURT LEVY	22	KAREN FISHER	33	240-279		REBECCA JACKMAN	33
JENNIFER BUSH	22	PATTI LYN TWETEN	33	R:ST LOUIS	92 5:59.74	HEARTLAND S A M	10:29.14
AZQUA	5:20.44	GOST	5:31.68	ED ROSENHAUER		C.KUNCZINAM	31
M MARQUIS	24	CHRIS GILLIGAN	53	CAROL TAYLOR		JENNIFER BUSH	22
JEFF MCCARTY	29	NEIL WASSERMAN	41	ARDETH MUELLER		JOEL HULL	26
BETHANY WILLISTON	25	SHANNON WELCH	25	ROBERT BLAKE		COURT LEVY	22
RAY ESPER	24	ANN GUINS	43	SAN DIEGO SWIM	6:29.84	LA MESA MASTERS	11:14.68
		LONG BEACH SWIM	5:35.27	KENNETH KIMBALL	66	CATHY RUFF	28
		LUCY JOHNSON	49	ALICIA COLEMAN	71	THOMAS RUFF	28
		LESLIE RONACHER	31	AARON STURM	37	BARBARA HULTENIUS	27
120-159		MICHAEL HEATHER	42	ANN DALLAM	66	SHANNON POTTER	26
R:EMPIRE STATE	94 4:25.58	TOM TRAPP	51	HEARTLAND SWIM	6:56.36		
TONY MEINDL		GREAT COLUMBUS	5:36.52	NANCY REED	69	120-159	
MATT CLARK		PAM ALLEN	40	MARILYN RAMEY	56	R:SAN DIEGO	96 8:53.44
CATHY REDSON		ANDREA PALMER	36	GENE SAPPER	67	ALAN VOISARD	
MICHELE HUYETTE		DENNIS FISHER	36	JAMES PATZOLD	48	K PIPES-NEILSEN	
WH20	4:37.88	TOM HERR	50	MARYLAND MASTER	8:56.03	VICKY DAVIDSON	
ANDREA DEVUONO	34	LOS ANGELES PEN	5:39.26	DONALD RICE	63	ERIC NEILSEN	
D SKEOCH	33	MICHAEL HAMM	39	JILL COLEMAN	66	SAN DIEGO SWIM	8:53.44
MIDI HANSEN	30	CISSY MLADINICH	47	FRANK GANOCZY	59	ALAN VOISARD	36
JAMES CALAHAN	38	STEVEN VAN NORT	45	BETTY TAYLOR	81	K.PIPES-NEILSEN	34
HEARTLAND SWIM	4:48.13	KATHRYN KASSAI	40			VICKY DAVIDSON	31
VICKI WEBSTER	34	TSUN	6:06.63	280-319		ERIC NEILSEN	30
RON SCHAFFER	39	JAN MICHAELS	49	R:ST PETE	95 6:54.87	INLAND MASTERS	10:20.21
PHILLIP BARI	20	DERRY KALVE	35	PAUL HUTINGER		DIANE MCCLURE	35
REBECCA JACKMAN	33	BART MCDERMOTT	40	ROBERT MACDONALD		NINA PIELSTICK	24
SAN DIEGO SWIM	4:58.90	MICHELLE OLIVAN	37	FLORENCE CARR		MIKE MURPHY	36
SHIRLEY BOYD	23	MARYLAND MASTER	6:17.48	KAY SCHIMPF		FRANK MCKINLEY	34
MARK EDELSON	28	C. CHRISTENSEN	59	SAN DIEGO SWIM	7:36.14	HEARTLAND S A M	10:28.84
JAMES BOSWELL	35	B. PROTZMAN	42	DIANA SILVA	74	MAC HALL	37
ANNETTE FENTON	37	PATTY DEVANNY	37	TOM DOWELL	74	GLEN LEEKS	30
SAN MATEO MARLI	5:01.78	BILL CONROY	53	DONALD HUBBARD	69	VICKI WEBSTER	34
BRENT WASHBURN	34	BRUIN MASTERS	6:51.39	BOBBI TURCOTTE	69	REBECCA JACKMAN	32
VALERIE DURBIN	29	MICHAEL MARKS	45			TNYA	11:04.04
DENISE CRAWFORD	24	ANNA TAYLOR	63	320-359		MARCY YEISLEY	27
ROB ALANDT	34	SCOTT BEGIN	39	R:SAN MATEO	94 9:07.66	C A HUTTON	46
NSB	5:11.56	LINDA LEWIS	27	JOE KAUFMAN		EILEEN FAGAN	34
MARTY HENDRICK	38	HEARTLAND S A M	7:20.59	HELEN ROUMASSET		PAUL RODGERS	40
JONATHAN OLSEN	33	ELAINE PERRY	40	RAY TAFT		O*H*I*O MASTERS	11:17.03
KAREN SCHOENHALS	28	AILEEN BARR	40	AUDREY ETIENNE		ROBERT SOWKO	27
CATHY REDSON	34	WILLIAM HARVIE	42	SAN MATEO MARLI	9:39.26	JULIA WOMELDORF	27
MARYLAND MASTER	5:12.12	JAMES PATZOLD	48	JOE KAUFMAN	91	TERRI HENNESSEY	27
DEBORAH ZIMIC	34			HELEN ROUMASSET	81	BILL BRETZ	41
CHRIS OSTROM	50	200-239		RAY TAFT	77	VENICE MASTERS	11:19.80
S. SHAALAN	38	R:SAN DIEGO	91 5:13.60	AUDREY ETIENNE	80	MARGARET PANONTIN	28
EMILY WATTS	29	BETSY JORDAN		*****		TERENCE YOUNG	31
INLAND MASTERS	5:14.57						

TOP TEN - SHORT COURSE METERS

NELL REGAN	26	COLIN CHINN	38
JOHN KOCKER	42	MICH	11:50.88
CHULA VISTA MAS	11:21.64	THOMAS MOYER	48
PEGGY RATNER	43	BEVERLY MYERS	60
ALFREDO GUTMAN	53	DONALD KROEGER	52
EDNA FLORES	25	FREDERICKA RAPP	51
ERIC BONNEY	27	O*H*I*O MASTERS	13:32.14
LA MESA MASTERS	11:25.92	DOUG BROGAN	64
SHANNON POTTER	26	MARIANNE BROGAN	61
HEATHER ROBERTS	29	DIANE ROTHENBERG	43
ROSEMARY HUTZLEY	42	JULIO APONTE	51
JOHN LAPP	28	HEARTLAND S A M	14:28.48
		DOUGLAS SELBY	50
160-199		NANCY REED	69
R:TEXAS AQUATIC 95	9:07.97	MARILYN RAMEY	55
KARLENE WISE		TOM MONTGOMERY	52
S NEILSON-BELL			
KEITH BELL		240-279	
LARRY WOOD		R:SAN DIEGO	96 11:47.97
DCAC	11:18.24	BETSY JORDAN	
CONSTANCE MECK	46	DEBORAH PECKHAM	
CAROL GALBRAITH	46	DONALD BAKER	
ROBERT STOFFERSON	35	KENNETH KIMBALL	
TOM SPINELLI	35	SAN DIEGO SWIM	11:47.97
LAKESIDE MASTER	11:24.08	BETSY JORDAN	59
LINDA HUBBUCH	51	DEBBIE PECKHAM	57
M.BLASKE-HULL	47	DONALD BAKER	65
DAVID BUTTERY	38	KENNETH KIMBALL	66
CHRIS BURCKLE	39	HEARTLAND S A M	14:21.84
SPM-A	11:25.55	GEORGE DALL	41
PAM GEIGER	43	GENE SAPPER	67
BRUCE DAY	46	NANCY REED	69
CAROLYN READING	37	ELFRIEDE LEHTO	63
PETER BETZER	54		
MICH	11:32.17	280-319	
BARBARA SCHULTZ	47	R:ST PETE	95 13:32.79
MICHAEL SCHULTZ	38	ALAN MALONEY	
FREDERICKA RAPP	51	KAY SCHIMPF	
THOMAS MOYER	48	FLORENCE CARR	
LAKESIDE MASTER	12:19.21	ROBERT MACDONALD	
DEBBIE UTZ	43	WIS MASTERS	15:01.18
MARISA FORD	36	LYNN SURLS	79
MICHAEL ROBERTS	36	BETTY KENDALL	76
THOMAS GRANT	45	INGRID STINE	57
HEARTLAND S A M	13:09.52	HARLAN DRAKE	68
GEORGE DALL	41		
BRUCE MENZIES	46	320-359	
AILEEN BARR	39	R:SAN MATEO	94 17:11.69
ELAINE PERRY	39	JOE KAUFMAN	
LAKESIDE MASTER	13:37.20	HELEN ROUMASSET	
TED WATHEN	49	RAY TAFT	
WOODY TURRENTINE	48	AUDREY ETIENNE	
LAURIE DONNELLY	33	NO RELAY TEAMS	
JOYCE VOIT	62		
QUAC	16:29.23		
W DORMAN-UGH	59		
NEIL ARMSTRONG	34		
JANICE KRAMER	54		
BEN CLARK	33		
200-239			
R:SAN DIEGO	96 10:20.32		
WILLIAM EARLEY			
MIKE FRESHLEY			
LYNNE LUND			
K PIPES-NEILSON			
SAN DIEGO SWIM	10:20.32		
BILL EARLEY	60		
MIKE FRESHLEY	55		
LYNNE LUND	56		
K PIPES-NEILSEN	34		
SAN DIEGO SWIM	11:23.27		
RICK EVANS	55		
BETSY JORDAN	59		
PEGGY LEONG	52		

USMS TOP 10 LONG COURSE METERS ERRATA FOR 1996

100 M. FLY WOMEN 40-44	SPM	3:14.38
1:08.60 LAURA VAL 44	BARBARA ALLEN	63
1:09.87 S.NEILSON-BELL 40	ELAINE BROMWICH	53
1:11.07 DEBBIE FLANSBURG 40	FLORENCE CARR	71
1:12.44 SUSAN SKIFF 41	SANDY STEER	57
1:12.67 MARYANN STEVENS 43	MICHIGAN MASTER	3:27.54
1:13.80 MELINDA MANN 40	FREDERICKA RAPP	52
1:14.28 KARLENE WISE 42	LOIS NOCHMAN	71
1:17.02 DANIELLE OGIER 43	CASSANDRA GARRY	41
1:17.81 ELAINE FINCHAM 41	EDITH GLUSAC	77
1:18.79 DENISE EVERITT 43	ARKM	3:33.53
100 M. FLY WOMEN 45-49	FLO DIETZ	60
1:15.35 BARBARA DUNBAR 47	CAROLYN HAEFNER	58
1:22.33 CATHY MANCINO 46	LOUISE KUTSCHER	67
1:22.50 R.BRITTINGHAM 45	SALLY OPPEL	63
1:23.15 STEPHANIE WALSH 47	DCM	3:39.64
1:25.67 CATHERINE QUILL 46	MARY LATHRAM	81
1:27.65 A. SUSAN TYLER 47	BARBARA ZAREMSKI	59
1:29.74 CHRISTINE ZIMMET 48	ANN SVANSON	50
1:29.79 JUDY LEE 46	LUCY BROWN	65
1:31.45 JANET GETTLING 48	HEARTLAND SWIM	3:42.51
1:32.01 SANDI ROUSSEAU 48	NANCY REED	69
800 M. FREE M E N 35-39	ELFRIEDE LEHTO	63
8:38.73 ROWDY GAINES 36	MARILYN RAMEY	56
8:54.68 KIRK ANDERSON 36	CHARLOTTE COWAN	56
8:55.48 JEFF STUART 35	RMM	4:04.82
8:58.05 BILL PALMER 35	FRANCES HOLMES	68
9:09.35 MIKE KECK 36	AGOTA FROHS	76
9:17.71 JOSEPH RHYNE 37	LOUISE WISE	53
9:26.92 SCOTT RABALAIS 37	PEGGY BUCHANNAN	63
9:30.68 MATT CLARK 38	MICH	4:05.45
9:34.65 ED FLORY 36	SHIRLEY DACEY	59
9:38.27 JOHN LOWE 35	M.WILLIAMS	64
100 M. BRST M E N 40-44	BEVERLY MYERS	61
1:14.75 JOSE CUNNINGHAM 40	ANN HARRITY	63
1:14.98 GREG BRANNICK 40	LAKESIDE MASTER	4:38.36
1:15.05 GREG HARRISON 44	DOROTHY RIORDAN	84
1:15.40 RICHARD ENRIGHT 43	B.BANASZYNSKI	49
1:15.60 PATRICK DI BIASE 41	WENDY MEDLEY	42
1:16.57 JAY WALTERS 41	MEME HABICH	81
1:16.59 PHILIP JONCKHEER 44	NORTH CAROLINA	4:40.87
1:18.01 GARY KRAGE 40	SANDRA KREMER	60
1:18.26 PETER MC CANDLESS 40	GERRY SPEAKER	58
1:18.83 VICTOR WAGONER 40	JUDY KELLY	70
200 M. BRST M E N 40-44	BUZ CATLIN	81
2:39.44 GREG HARRISON 44		
2:43.06 RICHARD ENRIGHT 43		
2:46.11 GREG BRANNICK 40		
2:46.64 PATRICK DI BIASE 41		
2:49.82 VICTOR WAGONER 40		
2:52.19 GARY KRAGE 40		
2:54.02 TOM REUDY 41		
2:54.53 HOWARD COYE 41		
2:54.71 JAMES HUGUENARD 42		
2:55.55 STEVE HANSEN 44		
800 M. FREE M E N 55-59		
10:25.67 DRURY GALLAGHER 57		
10:32.82 DAVID HARRISON 58		
10:53.44 TEGZE HARASZTI 55		
11:07.57 MEL GOLDSTEIN 57		
11:32.06 JERRY CLARK 58		
11:33.05 JOSEPH ZELSON 55		
11:52.10 WILLIAM TIMKEN 57		
11:53.54 CARL WOOLLEY 59		
11:54.91 PATRICK SCHLUP 56		
12:09.51 JERRY LLOYD 55		

RELAYS: WOMEN 200 M. MEDLEY

240-279		
NEM	3:08.59	
PETEE SMITH	72	
MARIAN COAKLEY	58	
LESLIE COOPER	36	
B.BURRILL	75	

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

WRL SCM RECORDS AS OF 11-01-96									
***** M E N *****					***** W O M E N *****				
***** 25-29 *****					***** 30-34 *****				
22.48	12-04-93	USA	ROBERT PEEL	50 M. FREE	DYNE BURRELL	USA	03-31-96	26.64	
49.91	12-10-95	USA	BJORN ZIKARSKY	100 M. FREE	SHEILA TAORMINA	USA	03-31-96	56.30	
1:48.81	12-10-95	USA	JOHN KEPPELER	200 M. FREE	SHEILA TAORMINA	USA	03-31-96	1:59.78	
3:59.78	10-17-93	GBR	GAVIN LILLEY	400 M. FREE	SHEILA TAORMINA	USA	03-31-96	4:24.18	
8:29.19	- -92	SWE	T LENNARTSSON	800 M. FREE	SHEILA TAORMINA	USA	03-31-96	8:51.18	
16:23.21	04-11-92	USA	ROB MACKLE	1500 M. FREE	SHEILA TAORMINA	USA	03-31-96	16:36.07	
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	
25.40	03-24-96	SWE	JONAS AKESSON	50 M. FLY	SHEILA TAORMINA	USA	03-31-96	28.68	
56.11	10-15-95	USA	MARTIN HERRMANN	100 M. FLY	SHEILA TAORMINA	USA	03-31-96	1:01.33	
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 *****					***** 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	K PIPES-NEILSEN	USA	09-22-96	9:08.34	
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	SUKI BROWNSDON	GBR	10-28-95	33.13	
1:04.23	01-09-94	NED	FRANK VIJVER	100 M. BRST	SUKI BROWNSDON	GBR	10-27-95	1:11.81	
2:24.52	05-22-95	CAN	SERGE SCORE	200 M. BRST	SUKI BROWNSDON	GBR	10-28-95	2:40.51	
25.06	04-09-89	USA	MICHAEL BOTTOM	50 M. FLY	SUKI BROWNSDON	GBR	10-27-95	29.33	
54.82	05-19-96	JPN	HIROSHI MIURA	100 M. FLY	K PIPES-NEILSEN	USA	12-10-95	1:03.83	
2:05.73	07-20-96	GBR	IAN BECK	200 M. FLY	K PIPES-NEILSEN	USA	12-10-95	2:21.20	
57.84	05-19-96	JPN	HIROSHI MIURA	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 *****					***** W O M E N *****				
***** 35-39 *****					***** 40-44 *****				
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	
4:14.98	03-31-96	SUI	JAMES FURRER	400 M. FREE	BETH KNIGHT	USA	11-06-94	4:33.17	
8:44.90	03-31-96	SUI	JAMES FURRER	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	KARIN SEICK	GER	05-05-96	1:10.30	
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	
1:06.55	04-28-96	CAN	SERGE SCORE	100 M. BRST	LESLIE OSBORNE	USA	10-15-89	1:16.70	
2:22.64	04-27-96	CAN	SERGE SCORE	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	
4:45.60	12-10-95	USA	MIKE KECK	400 M. I.M.	BETH KNIGHT	USA	12-11-94	5:23.30	
***** M E N *****					***** 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	NAOMI HEIMBACH	JPN	05-19-96	36.22	
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 11-1-96)

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

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

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

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

*****		M E N		*****		85-89		*****		W O M E N		*****	
41.92	09-11-93	AUS	FRANK GRIFFITHS	50	M.	FREE	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	JEWEL COOKE	USA	03-31-96	1:12.75			
2:09.91	11-13-93	USA	DAN DOTTERWEICH	100	M.	BACK	M GOTTSCHALK	GER	05-04-96	2:40.38			
5:15.31	10-17-93	GBR	CHESTER KOZLOWSKI	200	M.	BACK	JEWEL COOKE	USA	03-31-96	5:53.58			
51.17	11-25-95	GER	KARL WITTENBERG	50	M.	BRST	MADELEINE MILLER	USA	09-17-95	1:20.56			
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	JEWEL COOKE	USA	03-31-96	6:53.42			
1:01.38	06-25-95	USA	JESSE COON	50	M.	FLY	JEWEL COOKE	USA	02-04-96	1:24.22			
2:38.62	06-25-95	USA	JESSE COON	100	M.	FLY	JEWEL COOKE	USA	02-18-96	3:20.81			
5:56.91	06-25-95	USA	JESSE COON	200	M.	FLY	JEWEL COOKE	USA	02-04-96	7:12.95			
2:06.37	10-24-93	AUS	FRANK GRIFFITHS	100	M.	I.M.	JEWEL COOKE	USA	01-21-96	2:40.42			
5:02.31	12-07-91	USA	HERB EISENSCHMIDT	200	M.	I.M.	ANNA BAUSCHER	USA	10-15-89	9:49.36			
10:47.13	12-07-91	USA	HERB EISENSCHMIDT	400	M.	I.M.	JEWEL COOKE	USA	02-18-96	13:48.08			
*****		M E N		*****		90-94		*****		W O M E N		*****	
50.09	12-11-93	USA	GUS LANGNER	50	M.	FREE	ANNA BAUSCHER	USA	10-24-93	1:36.77			
1:58.42	12-11-93	USA	GUS LANGNER	100	M.	FREE	ANNA BAUSCHER	USA	10-24-93	3:24.13			
4:27.70	12-11-93	USA	GUS LANGNER	200	M.	FREE	ANNA BAUSCHER	USA	10-24-93	7:01.11			
8:50.65	12-11-93	USA	GUS LANGNER	400	M.	FREE	ANNA BAUSCHER	USA	10-24-93	14:16.35			
				800	M.	FREE	ANNA BAUSCHER	USA	10-24-93	28:45.45			
51:43.20	12-09-90	USA	PAUL SPANGLER	1500	M.	FREE							
1:15.84	12-17-93	USA	GUS LANGNER	50	M.	BACK	VERA FERNANCE	AUS	- -89	1:55.07			
2:40.88	10-08-95	USA	JOE KAUFMAN	100	M.	BACK	VERA FERNANCE	AUS	- -90	4:19.46			
6:35.42	12-03-94	USA	GUS LANGNER	200	M.	BACK							
1:07.76	05-19-96	JPN	SHOHEI YOSHIDA	50	M.	BRST	DORRIS VENNING	NZL	- -91	1:49.01			
3:01.95	12-17-93	USA	GUS LANGNER	100	M.	BRST	DORRIS VENNING	NZL	- -91	4:05.59			
6:41.56	12-03-94	USA	GUS LANGNER	200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
3:00.53	12-03-94	USA	GUS LANGNER	100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							
*****		M E N		*****		95-99		*****		W O M E N		*****	
				50	M.	FREE							
				100	M.	FREE							
				200	M.	FREE							
				400	M.	FREE							
				800	M.	FREE							
				1500	M.	FREE							
				50	M.	BACK							
				100	M.	BACK							
				200	M.	BACK							
				50	M.	BRST							
				100	M.	BRST							
				200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							
*****		M E N		*****		100-104		*****		W O M E N		*****	
2:06.66	09-30-95	USA	TOM LANE	50	M.	FREE							
4:32.29	09-30-95	USA	TOM LANE	100	M.	FREE							
				200	M.	FREE							
				400	M.	FREE							
				800	M.	FREE							
				1500	M.	FREE							
2:02.52	09-30-95	USA	TOM LANE	50	M.	BACK							
				100	M.	BACK							
				200	M.	BACK							
				50	M.	BRST							
				100	M.	BRST							
				200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							

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

WRL SCM RECORDS AS OF 11-01-96

***** RELAY 200 M. FREE - WOMEN *****	***** RELAY 200 M. MEDLEY - WOMEN *****
100-119 MICHIGAN-USA 03-31-96 1:45.93 DYNE BURRELL SUSIE DEVLIN MARY MUETING SHEILA TAORMINA	100-119 SHEFFIELD-GBR 10-17-93 2:09.61 HELEN PRATT PIPPA JONES LINZI GAYWOOD LYNNE LEE
120-159 SWISS COTT-GBR 10-18-92 1:55.08 MICHELE PEARSON TAMSIN JAGGS CAROLINE HORDEN ALYSON JONES	120-159 SAN DIEGO-USA 12-11-94 2:05.27 VICKY DAVIDSON MATHILDE BOUWMA KARLYN PIPES BETH KNIGHT
160-199 SAN DIEGO-USA 10-22-96 1:59.23 BARBARA DUNBAR MARILYN FINK SALLY KARRASCH K PIPES-NEILSEN	160-199 SG NEUKOLLN-GER 11-03-90 2:18.65 S. FELGENTRAGER MONIKA SENFTLEBEN BRIGITTE MERTEN RUTH STUBERT
200-239 TAMALPAIS-USA 10-15-89 2:11.64 ANGELA KONIG LAVERNE ADAMS SHERRY RADEMACHER NANCY RIDOUT	200-239 SG NEUKOLLN-GER 11-10-91 2:29.96 SIEGRID KURTZ MONIKA SENFTLEBEN BRIGITTE MERTEN MARGA SCHULZ
240-279 NEW ENGLAND-USA 12-11-94 2:25.52 CLARA WALKER JENNIFER LUKER BILLIE A BURRILL DIANE REED	240-279 SOLK HELLAS-SWE 03-24-96 2:45.48 KERSTIN GJORES BARBRO FLODSTROM HARRIET DEGIORGIO BRITT GRILLI
280-319 CRONULLA-AUS 10-21-95 2:50.32 NANCYE MITCHELL BETTY STERN BARBARA ROSE HELEN EVANS	280-319 KOEIKAI-JPN 09-24-95 3:19.43 KUMIKO KUBO TAZUKO YASUOKA MASAKO HOTEHAMA TOMIKO MORI
320-359 ST PETE - USA 10-31-93 4:09.37 MARIAN MCKECHNIE WIN KENNEDY FRANCES CICHANSKI KAY SCHIMPF	320-359 ST PETE-USA 10-31-93 4:55.62 FRANCES CICHANSKI WIN KENNEDY 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 MARK MATTHEWS ANDY COTTER JIM HOBBSLEY KEVIN FROST	100-119 SODERTALJE-SWE 03-23-96 1:46.74 TORKEL ARMAN PETER HARALDSSON JONAS AKESSON ANDERS BLADH
120-159 BAYLOR/STAR-USA 03-21-92 1:37.89 RICHARD HESS DOUG MOYSE M.RHODENBAUGH BOBBY PATTEN	120-159 BAYLOR/STAR-USA 04-16-94 1:45.01 JAY YARID GREG RHODENBAUGH BOBBY PATTEN MOOK RHODENBAUGH
160-199 COLONIALS-USA 04-21-96 1:40.74 CHARLES NORELLI THOMAS MEADE MICHAEL SLENKER GREGORY OXLEY	160-199 COLONIALS-USA 04-09-95 1:54.75 J NATHAN LEECH GREGORY OXLEY CHARLES NORELLI ROBERT KROTEE
200-239 SO CAL AQUATICS 12-11-94 1:47.41 FRED HUBBELL FRANK PIEMME FRANS NELSON PETER O'KEEFFE	200-239 LOS ALTOS-USA 10-15-89 2:02.44 DICK THOMAS THOMAS BOAK ROBERT PROEBSTING JOHN RICHARDS
240-279 BUCKEYE-USA 11-06-94 1:58.22 SID HALL YOSHI OYAKAWA THOMAS OLANDER JOHN FLORANCE	240-279 BUCKEYE-USA 11-06-94 2:16.44 YOSHI OYAKAWA THOMAS OLANDER JOHN MEDICI JOHN FLORANCE
280-319 SHUEI-JPN 11-03-93 2:11.55 KEIJIRO NAKAMURA EISAKU HAYASHI ISAMU TAMURA SHUICHI MURAYAMA	280-319 SHUEI-JPN 11-03-92 2:33.74 GORO TANIGUCHI HIROMU YOSHIMOTO KEIICHI TOKUNAGA SHUICHI MURAYAMA
320-359 LONG BEACH-USA 12-11-94 2:51.43 WALTER PFIEMMER JOHN GLENN WOODROW BOWERSOCK BOB CHRISTIANS	320-359 TOKYO-JPN 11-03-95 3:38.78 SADAHIKO SHIMADA Y.MIYAMOTO 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 VICKY DAVIDSON KARLYN PIPES GARY FORTUNE ALAN VOISARD	120-159 LAKESIDE-USA 10-15-89 1:58.28 WILLIAM TINGLEY GINA GATTI MICHAEL HIGGS MELINDA SCHMITT
160-199 TXAM-USA 11-05-95 1:48.63 KARLENE WISE S NEILSON-BELL LARRY WOOD BRUCE GREENWOOD	160-199 W HOLLYWOOD-USA 06-24-94 2:01.59 ANDREA DEVUONO KAREN MELICK MICHAEL MEALIFFE THOMAS REUDY
200-239 LINCOLN-USA 10-15-89 1:57.25 PAUL HUTINGER IRENE DAVID COLLEEN MALMEN RAY PADOVAN	200-239 SG NENKOLLN-GER 11-08-92 2:12.50 S. FELGENTRAGER MONIKA SENFTLEBEN MANFRED BROCK B. SCHLURIKE
240-279 LOS ALTOS-USA 11-15-92 2:12.98 JOHN RICHARDS JAY CRADDOCK DELLA SEHORN LAURA VAL	240-279 LOS ALTOS-USA 10-06-91 2:32.46 DELLA SEHORN JOHN RICHARDS LAURA VAL JAY CRADDOCK
280-319 OJAI S BAR-USA 10-15-95 2:35.36 FRANK PIEMME GRACE ALTUS RUTH BAAR JURGEN SCHMIDT	280-319 OJAI S BAR-USA 10-28-95 2:55.31 GAY COLLINS FRANK PIEMME JURGEN SCHMIDT RUTH BAAR
320-359 IBARAGI SC-JPN 05-19-96 3:32.54 YUKIO TAMURA HIROKO TSUCHIYA RITSUKO HAYASHIDA RYUJI FUJIKAWA	320-359 RIO MASTERS-BRA 11-18-95 3:51.75 ALBERTO MIBIELLI LUZIA CARACCILO MARIA LENK GASTAO FIGUEIREDO

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

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

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

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

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

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

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

*****		M E N		*****		85-89		*****		W O M E N		*****	
41.53	05-07-93	AUS	FRANK GRIFFITHS	50	M.	FREE	UME WADA	JPN	06-09-96	49.84			
1:41.27	11-13-93	AUS	FRANK GRIFFITHS	100	M.	FREE	JULIA DOLCE	USA	08-27-95	2:00.68			
3:48.91	10-01-88	USA	GUS LANGNER	200	M.	FREE	JULIA DOLCE	USA	08-28-94	4:45.10			
8:14.50	08-28-88	USA	GUS LANGNER	400	M.	FREE	JULIA DOLCE	USA	08-28-94	10:44.25			
17:11.21	10-15-88	USA	GUS LANGNER	800	M.	FREE	JULIA DOLCE	USA	08-06-95	21:54.01			
33:08.42	08-20-89	USA	GUS LANGNER	1500	M.	FREE	JULIA DOLCE	USA	08-27-95	43:35.59			
56.12	04-23-95	BRA	GASTAO FIGUEIREDO	50	M.	BACK	AILEEN SOULE	USA	08-18-91	58.42			
2:07.06	08-01-93	USA	JIM PENFIELD	100	M.	BACK	AILEEN SOULE	USA	06-09-91	2:13.13			
4:43.49	06-19-93	USA	JIM PENFIELD	200	M.	BACK	AILEEN SOULE	USA	06-09-91	4:47.82			
51.52	08-27-95	GER	KARL WITTENBERG	50	M.	BRST	MARTI GOGNIAT	USA	07-27-96	1:09.85			
2:12.18	08-27-95	GER	KARL WITTENBERG	100	M.	BRST	MARTI GOGNIAT	USA	08-11-96	2:39.02			
4:36.86	07-28-96	USA	HAROLD PERRY	200	M.	BRST	JEWEL COOKE	USA	07-14-96	6:49.30			
57.93	08-27-95	USA	JESSE COON	50	M.	FLY	JEWEL COOKE	USA	08-25-96	1:26.39			
2:30.73	06-25-96	USA	JESSE COON	100	M.	FLY	KATHERINE PELTON	USA	07-28-91	3:01.14			
5:24.28	05-07-93	AUS	FRANK GRIFFITHS	200	M.	FLY	KATHERINE PELTON	USA	08-12-90	7:18.41			
				100	M.	I.M.							
4:40.15	05-07-93	AUS	FRANK GRIFFITHS	200	M.	I.M.	JEWEL COOKE	USA	07-14-96	6:17.06			
10:28.43	03-25-94	AUS	FRANK GRIFFITHS	400	M.	I.M.	JEWEL COOKE	USA	08-25-96	13:15.87			
*****		M E N		*****		90-94		*****		W O M E N		*****	
48.70	08-08-93	USA	GUS LANGNER	50	M.	FREE	AILEEN SOULE	USA	08-25-96	55.76			
1:57.91	08-22-93	USA	GUS LANGNER	100	M.	FREE	AILEEN SOULE	USA	08-25-96	2:19.62			
4:28.34	08-22-93	USA	GUS LANGNER	200	M.	FREE	AILEEN SOULE	USA	08-25-96	5:21.55			
9:44.11	08-22-93	USA	GUS LANGNER	400	M.	FREE							
20:13.74	08-01-93	USA	GUS LANGNER	800	M.	FREE	ANNA BAUSCHER	USA	08-28-94	30:55.09			
36:47.02	08-22-93	USA	GUS LANGNER	1500	M.	FREE							
1:10.27	05-29-94	USA	AL KALLUNKI	50	M.	BACK	AILEEN SOULE	USA	08-25-96	1:03.49			
2:34.82	06-11-95	USA	PETER JURCZYK	100	M.	BACK	AILEEN SOULE	USA	08-25-96	2:23.23			
5:36.88	06-11-95	USA	PETER JURCZYK	200	M.	BACK	PEARL MILLER	USA	07-16-89	10:47.76			
1:16.01	08-27-95	USA	ANDREW KALLUNKI	50	M.	BRST	DEL ROWLEY	AUS	04-17-95	2:13.81			
3:08.18	06-24-96	FRA	GEORGES SEJOURNE	100	M.	BRST	DEL ROWLEY	AUS	03-03-96	5:06.09			
6:24.54	08-01-93	USA	GUS LANGNER	200	M.	BRST	DEL ROWLEY	AUS	10-22-95	10:39.50			
				50	M.	FLY	ANNA BAUSCHER	USA	08-28-94	4:57.25			
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
6:59.87	06-11-95	USA	PETER JURCZYK	200	M.	I.M.	ANNA BAUSCHER	USA	08-28-94	12:10.93			
				400	M.	I.M.							
*****		M E N		*****		95-99		*****		W O M E N		*****	
1:41.72	07-08-95	USA	JOHN WHITTEMORE	50	M.	FREE							
				100	M.	FREE							
				200	M.	FREE							
				400	M.	FREE							
				800	M.	FREE							
				1500	M.	FREE							
				50	M.	BACK							
				100	M.	BACK							
				200	M.	BACK							
				50	M.	BRST							
				100	M.	BRST							
				200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							
*****		M E N		*****		100-104		*****		W O M E N		*****	
2:05.49	09-18-94	USA	TOM LANE	50	M.	FREE	MARY MAINA	AUS	10-03-94	5:10.84			
4:25.98	09-10-95	USA	TOM LANE	100	M.	FREE							
				200	M.	FREE							
				400	M.	FREE							
				800	M.	FREE							
				1500	M.	FREE							
2:05.54	09-10-95	USA	TOM LANE	50	M.	BACK							
4:57.01	09-18-94	USA	TOM LANE	100	M.	BACK							
				200	M.	BACK							
				50	M.	BRST							
				100	M.	BRST							
				200	M.	BRST							
				50	M.	FLY							
				100	M.	FLY							
				200	M.	FLY							
				100	M.	I.M.							
				200	M.	I.M.							
				400	M.	I.M.							

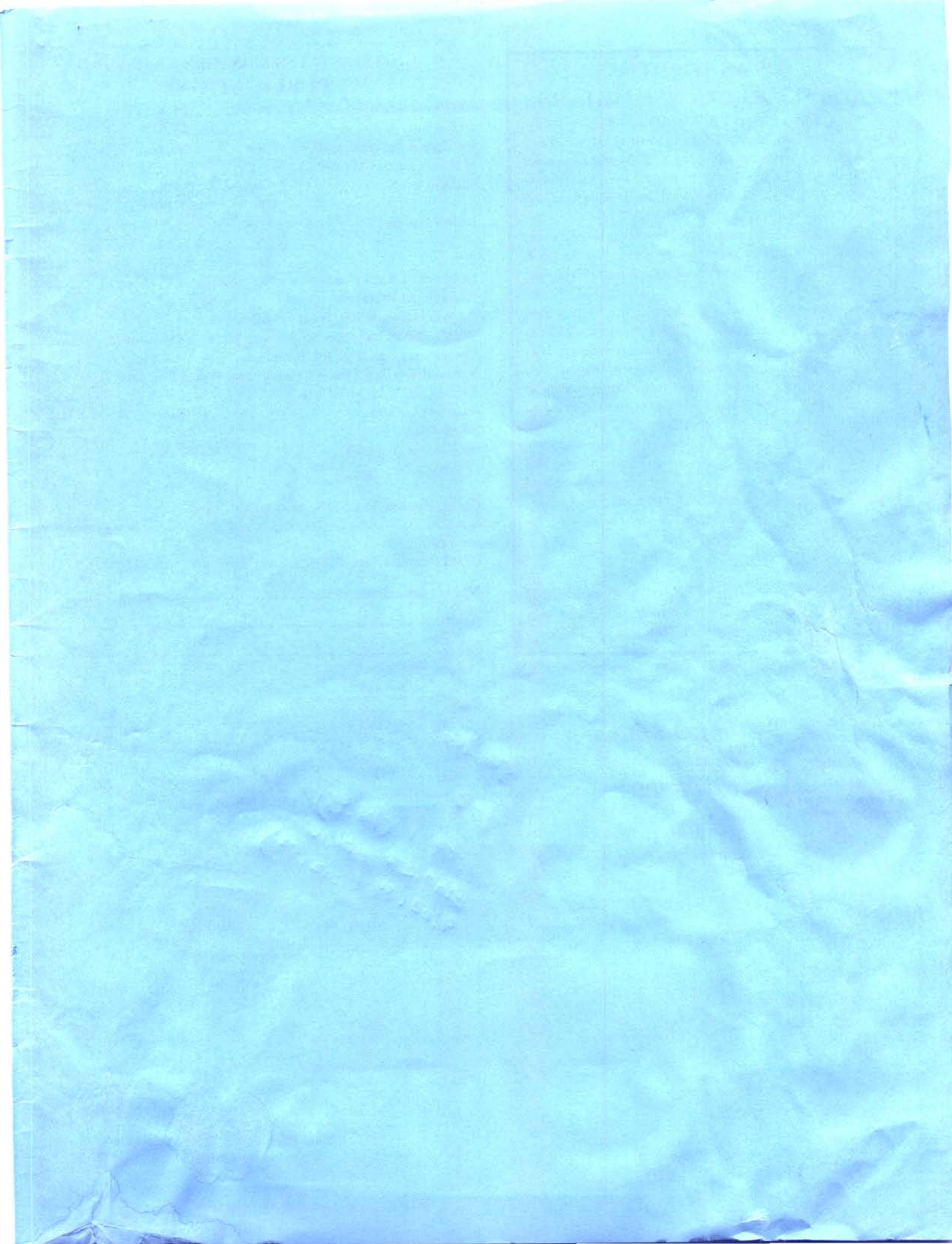
WORLD RECORDS LONG COURSE METERS (as of 11-1-96)

WRL LCM RECORDS AS OF 11-01-96

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

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

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



USMS TOP TEN

1996 SHORT COURSE METERS

Short Course Meters Top Ten is the final list in the series of 1996 Top Tens. It contains swims performed in a 25 meter pool, between January 1, 1996 and December 31, 1996. These times have been reported in a *timely manner* by each LMSC's Top Ten Recorder to Walt Reid, our National Recorder.

The first line under each event (indented) is the current national record for that event and age group. World records for short course meters are updated each year in May and November.

The next issue will be 1997 Short Course Yards which will be published in September 1997. Check your address label for the number of issues you have remaining. NRI (Number of Remaining Issues) indicates how many you have left. Please keep us informed of any address changes.

Once again, a big **THANK YOU** goes to Walt Reid, members of the Top 10 Committee and the LMSC Top Ten Recorders, all dedicated volunteers who spend countless hours at their computers on our behalf. Thank You Betsy Durrant, for expertly managing our subscription lists and Gene Donner who duplicates this final product.

Happy Swimming!
Tracy

P.S. Don't forget to check out our USMS Publications list. **NEW ITEM!** We now have 3 x 4 inch sticky note pads (white paper with red and blue USMS logo).

Published April 1997

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