

\$7.00

*United States
Masters Swimming, Inc.*

**1997-1998
Top Ten
Short Course Yards**

and
World Records
as of May 1, 1998
**Long Course Meters
Short Course Meters**



Published September 1998

UNITED STATES MASTERS SWIMMING
1997 - 1998 TOP TEN
SHORT COURSE YARDS

The 1997-1998 Short Course Yards Top Ten is the first issue in a series of three 1998 Top Ten issues produced by United States Masters Swimming. Inside you will find the Top Ten Times for the 1997-1998 Short Course Yard season (swims performed in a 25 yard pool) made on or before May 31, 1998 and forwarded to the Records and Tabulation Chairman, Pieter Cath, by July 15, 1998. Each LMSC is responsible for reporting the Top Ten Times, USMS national records, and world records achieved in its LMSC.

The first line under each event (which is indented) is the current national record for that event and age group. An "NV" after a top ten time indicates that appropriate documentation has not yet been supplied and the time is Not Verified as a record.

Each person (individuals and relay members) on this list is eligible to purchase a Top Ten Patch with stroke segment. To receive a patch, send \$5 to Darlyne Ferguson, P.O. Box 8005, Canton, OH 44711. Add \$1 for each additional stroke segment desired.

The second issue in this series is 1998 Long Course Meters (swims performed in a 50 meter pool). Times and records considered for this Top Ten list must be made on or before September 30, 1998 and reported to the Top Ten Chairman by October 20th.

The 1998 Short Course Meters (swims performed in a 25 meter pool) list is the third issue in this series of Top Tens. Times and records considered for this Top Ten list must be made on or before December 31, 1998 and reported to the Top Ten Chairman by February 5, 1999.

Once the SCM Top Ten is *finalized*, the official 1998 All American Roster will be produced. A swimmer/relay who has the Top Ten time in one or more event(s) in any one of the three courses qualifies for All American status. To order an All American Certificate and Patch, send a check for \$5 made out to USMS to: USMS National Office, 261 High Range Road, Londonderry, NH 03053.

Those individuals performing the most first place times, in the most events, in their age group are awarded All Star status. All Stars will receive a special award from The FINALS, this years event sponsor. All American (individual) and All Star rosters will appear in the May/June issue of SWIM Magazine.

The USMS All Time Top Ten is available in all three courses. This publication lists the top ten fastest times recorded over the years in each age group and each event. The cost is \$4 for one course, \$3 for the second or \$10 for all three. To order, make check payable to Suzanne Rague and send to her at: 935 NW 170th Place, Beaverton, OR 97006-4831.

Masters Swimming World Top Ten Tabulation is a yearly publication produced by FINA. To order, make check payable to FINA for \$7 and send to them at: FINA, Avenue de Beaumont 9, 1012 Lausanne - Switzerland.

For more information on USMS, visit our Web Site at <http://www.usms.org>. There you will find everything you want to know about United States Masters Swimming, including: Administration, Coaching, Competition, Fitness, Merchandise, Places to Swim, Training, the World of Swimming and links to USMS Top-Ten, USMS and FINA World Records.

We would like to send a big THANKS out to the members of the Top Ten Committee and the LMSC Top Ten Recorders who are all dedicated volunteers who spend countless hours at their computers on our behalf. Thank you Betsy Durrant for handling the subscription lists and Gene Donner and Gateway printing who duplicates this final product.

Happy Swimming!

Tracy

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

	26.47 JESSICA A TONG	23	27.81 JESSICA SANTO	24	24.74 WENDY KNOX	26
	28.57 ALISON TERRY	24	28.16 DEBI STOUT	24	24.75 MELANIE MORGAN	26
	29.01 S CONWAY	24	28.52 ANNA JONES	19	100 YD FREESTYLE	
WOMEN 19-24	29.30 DEBI STOUT	24	28.74 SARAH M KERLIN	23	51.07 SARA SHAND	93
• 50 YD FREESTYLE	29.68 KRISTINA RECORD	24	28.89 CARRIE J TUCKER	23	52.21 HEIDI E HANNENIAN	27
23.89 JANET MAYVILLE	29.72 JESSICA SANTO	24	• 100 YD BUTTERFLY		52.81 HEATHER M HAGEMAN	27
23.89 JANET MAYVILLE	30.46 NOORTJE DEKKERS	21	57.39 SUDI MILLER	91	53.14 SHARON K PATRICK	26
24.36 JESSICA A TONG	30.65 RACHEL HANDREN	23	1:00.78 WENDY HUDSON	21	53.55 JENNIFER L RIDGE	29
24.71 ALISON TERRY	31.04 KELLY GOULDSON	21	1:02.37 DEBI STOUT	24	53.59 ANNA PROCIOSUS	26
24.76 ELLEN LESSIG	31.14 C LEIGH-WOOD	23	1:02.57 SARAH M KERLIN	23	53.87 LAURA BOOTH	25
25.08 J MCEACHERN	31.14 LISA WILSON	22	1:04.50 JESSICA SANTO	24	53.92 MARGARET GRUNOW	26
25.22 KARI DAVIS	• 100 YD BACKSTROKE		1:05.12 LEE NESSEL	22	53.96 JENNIFER BRANNON	28
25.24 JESSICA SANTO	57.96 DEBBIE RISEN	90	1:05.52 J GEMEINHARDT	24	54.25 KATHLEEN HARTNETT	26
25.46 J GEMEINHARDT	1:01.87 JESSICA A TONG	23	1:05.71 SUSAN FISCHER	20	54.75 MELANIE MORGAN	26
25.74 LEE NESSEL	1:04.69 DEBI STOUT	24	1:06.03 MONICA BLAICH	23	• 200 YD FREESTYLE	
• 100 YD FREESTYLE	1:05.13 ANNA JONES	19	1:06.17 GINA DHOM	19	1:51.53 SARA SHAND	93
52.08 SUDI MILLER	1:05.94 KATIE ENGELHARDT	21	1:06.60 MEGUMI MASUDA	24	1:52.53 HEIDI E HANNENIAN	27
52.09 JANET MAYVILLE	1:06.10 CARRIE J TUCKER	23	• 200 YD BUTTERFLY		1:55.44 JENNIFER L RIDGE	29
52.47 JESSICA A TONG	1:06.37 SARAH ARMSTRONG	20	2:10.49 KARI HAAG	97	1:57.99 JANE CAIRNS	27
55.04 LEE NESSEL	1:06.54 RACHEL HANDREN	23	2:12.31 JANET MAYVILLE	24	1:58.28 LESLIE RAMSEY	25
55.24 JESSICA SANTO	1:06.87 HEATHER NIEMI	21	2:20.48 WENDY HUDSON	21	1:59.45 LAUREL S HILL	29
55.57 WENDY HUDSON	1:07.24 JESSICA M HANCHER	24	2:20.79 LEE NESSEL	22	1:59.89 ANNA PROCIOSUS	26
56.05 ELLEN LESSIG	1:07.38 LEE ANN BRITT	23	2:23.90 MEGUMI MASUDA	24	2:00.40 MARGARET GRUNOW	26
56.13 ANNA JONES	• 200 YD BACKSTROKE		2:24.97 LAUREL HOOPER	24	2:00.96 SUSAN D STRONG	26
56.40 CARRIE J TUCKER	2:06.90 SUSIE BURT	93	2:31.12 ROBYN M JARMER	23	2:01.35 JOANNA ZEIGER	27
56.41 M WUNDERLICH	2:23.06 JOANNE SONBERG	23	2:35.04 GINA CHEUK	19	2:01.73 JENNIFER L JACOBS	29
56.43 C LEIGH-WOOD	2:23.85 ERIN O CAMPBELL	24	2:42.13 TAZIA BRUNETTI	23	• 500 YD FREESTYLE	
• 200 YD FREESTYLE	2:24.69 CARRIE J TUCKER	23	2:45.60 TAMMY CRUZ	24	4:49.88 SHEILA TAORMINA	96
1:54.22 DIANE GRANER	2:24.76 SARAH ARMSTRONG	20	2:52.92 KRISTINA KUPANOFF	24	5:01.91 HEIDI E HANNENIAN	27
1:54.70 JANET MAYVILLE	2:25.02 LYNN MORIN	21	• 100 YD INDIVIDUAL MEDLEY		5:17.91 JANE CAIRNS	27
2:00.22 LEE NESSEL	2:25.10 LAUREL HOOPER	24	59.21 SUDI MILLER	91	5:21.42 ALISON H ZAMANIAN	27
2:00.25 JULIA C DAVIS	2:25.27 CAROLYN J KNOX	22	1:02.61 ALISON TERRY	24	5:25.79 SUSAN D STRONG	26
2:04.94 M WUNDERLICH	2:26.05 EMILIE ELLIS	23	1:03.10 S CONWAY	24	5:27.14 COURTNEY THOMAS	25
2:05.14 LAUREL HOOPER	2:26.63 LEE ANN BRITT	23	1:03.60 WENDY HUDSON	21	5:27.46 ELLEN BAIRD	28
2:05.49 WENDY L MARTIN	2:28.44 CARLA A ELDRIDGE	24	1:04.57 KARI DAVIS	23	5:31.36 NANCY NORTH	29
2:05.60 SARAH ARMSTRONG	• 50 YD BREASTSTROKE		1:05.10 JESSICA SANTO	24	5:31.59 KATHLEEN PISULA	27
2:06.04 LISA WILSON	30.25 SUSIE MORTENSON	93	1:05.45 M WUNDERLICH	24	5:31.68 JENNIFER L JACOBS	29
2:06.45 JOANNE SONBERG	31.02 KARI DAVIS	23	1:05.88 LEE NESSEL	22	5:33.74 JULIE NOSKOWIAK	25
2:06.58 NICOLE LINDSTROM	32.43 HELEN I SALCEDO	22	1:06.20 CARRIE J TUCKER	23	• 1000 YD FREESTYLE	
• 500 YD FREESTYLE	32.71 S CONWAY	24	1:06.30 RACHEL HANDREN	23	10:12.34 LISA HAZEN	94
4:56.93 EVA MORTENSEN	33.15 ELLEN LESSIG	23	1:06.37 SARAH RILEY	22	10:53.73 ALISON H ZAMANIAN	28
5:13.46 JULIA C DAVIS	33.22 MARISA LEMORANDE	21	• 200 YD INDIVIDUAL MEDLEY		11:00.93 KATHLEEN PISULA	27
5:20.03 LAUREL HOOPER	33.48 MINDY RINEHOLD	22	2:08.74 SUDI MILLER	91	11:07.63 ELLEN BAIRD	28
5:33.56 NICOLE LINDSTROM	33.91 HEATHER TOWNE	23	2:15.91 S CONWAY	24	11:17.06 LISA SUMMERS	27
5:33.65 JOANNE SONBERG	34.03 M WUNDERLICH	24	2:17.24 WENDY HUDSON	21	11:25.25 JULIE NOSKOWIAK	25
5:41.07 MERIDETH COX	34.03 TANYA BIDOCZKA	22	2:17.98 LEE NESSEL	22	11:25.26 SUSAN D STRONG	26
5:41.73 WENDY L MARTIN	34.19 SARAH ARMSTRONG	20	2:18.52 M WUNDERLICH	24	11:26.88 ANN B HILL	28
5:41.99 LISA WILSON	• 100 YD BREASTSTROKE		2:21.20 SARAH ARMSTRONG	20	11:30.98 SARA QUAN	25
5:44.60 JILL MURANY	1:06.74 SUSIE MORTENSON	93	2:22.70 HELEN I SALCEDO	22	11:36.68 J FREDRICKS	27
5:45.54 SHAWNA Y O'LEARY	1:10.91 MINDY RINEHOLD	22	2:23.48 JESSICA SANTO	24	11:37.72 MARY MCCUSKEY	26
5:46.65 KRISTINA RECORD	1:10.97 HELEN I SALCEDO	22	2:23.93 MINDY RINEHOLD	22	• 1650 YD FREESTYLE	
• 1000 YD FREESTYLE	1:13.11 TANYA BIDOCZKA	22	2:24.21 ANDREA PARENTEAU	23	16:50.17 KAREN BURTON	91
10:33.71 ALISON ZAMANIAN	1:13.12 C LEIGH-WOOD	24	2:24.32 NICOLE LINDSTROM	24	18:09.18 ALISON H ZAMANIAN	28
10:42.03 JULIA C DAVIS	1:13.37 M WUNDERLICH	24	• 400 YD INDIVIDUAL MEDLEY		19:03.76 SARA QUAN	25
10:54.47 LAUREL HOOPER	1:13.61 J MCEACHERN	24	4:38.94 CLAUDE MARTINEZ	97	19:16.75 BRITT GREINER	25
11:30.36 JOANNE SONBERG	1:13.65 TAZIA M BRUNETTI	23	4:48.60 LAUREL HOOPER	24	19:38.05 MEREDITH POPE	28
11:30.75 SARAH ARMSTRONG	1:13.85 ANDREA PARENTEAU	23	4:53.90 LEE NESSEL	22	19:42.44 BEVERLY ENOCHS	26
11:34.88 JILL MURANY	1:13.92 SARAH RILEY	22	4:57.53 SARAH M KERLIN	23	19:46.25 ANN HILL	28
11:44.86 LYNN MORIN	1:14.29 SARAH ARMSTRONG	20	4:58.01 NICOLE LINDSTROM	24	19:48.71 LAURA SMITH	27
11:49.10 KATHERINE VEAZEY	• 200 YD BREASTSTROKE		4:59.64 WENDY HUDSON	21	19:49.84 KAREN L DUGGAN	27
11:57.85 M WUNDERLICH	2:25.40 ANNE TWEEDY	87	4:59.70 KAREN E JEFFREY	23	19:53.76 KAREN CONNOLLY	25
12:05.24 HOLLY A SAWYER	2:37.03 MINDY RINEHOLD	22	5:01.27 JOANNE SONBERG	23	19:55.84 K CARROLL-BASSO	28
12:14.58 SUSAN PERKINS	2:38.18 SARAH ARMSTRONG	20	5:01.29 MEGUMI MASUDA	24	• 50 YD BACKSTROKE	
• 1650 YD FREESTYLE	2:38.37 TANYA BIDOCZKA	22	5:11.59 ERIN O CAMPBELL	24	26.76 DIANE GRANER	89
17:31.70 KAREN BURTON	2:40.86 SARAH M KERLIN	23	5:15.24 ROBYN M JARMER	23	26.44 MARY EDWARDS	25
18:30.36 LAUREL HOOPER	2:41.01 LAUREL HOOPER	24			27.63 KATHLEEN HARTNETT	26
19:18.19 SARAH ARMSTRONG	2:41.67 ERIN O CAMPBELL	24	WOMEN 25-29		28.32 KARI S ANDERSON	26
19:22.65 JILL MURANY	2:41.87 TAZIA M BRUNETTI	23	• 50 YD FREESTYLE		28.57 SUNNY SMILEY	27
19:41.40 MINDY RINEHOLD	2:43.31 MARISA LEMORANDE	20	23.20 ANNA PETTIS-SCOTT	92	28.73 KIMBERLY D BRYANT	27
19:54.66 LYNN MORIN	2:43.70 ERIN REED	24	23.81 HEATHER M HAGEMAN	27	28.75 JULIE MOODY	29
20:50.31 ANNA M MALSCH	2:44.13 SARAH RILEY	22	23.93 S SULLIVAN	27	28.89 JAN HOWELL	26
21:03.76 MELISSA A HUGH	• 50 YD BUTTERFLY		24.26 MARY EDWARDS	25	28.93 HILARY A DEVINE	25
21:24.48 JUSTINE HANSEN	26.20 JAMIE RAAB	95	24.33 HEIDI E HANNENIAN	27	29.21 JIE LI	26
21:29.56 RENATE SAUTER	27.14 ALISON TERRY	24	24.42 SHARON K PATRICK	26	29.28 JEANNE KELLACHAN	26
21:56.99 NANCY EAST	27.28 WENDY HUDSON	21	24.63 LAURA BOOTH	25	• 100 YD BACKSTROKE	
• 50 YD BACKSTROKE	27.66 KARI DAVIS	23	24.68 ANNA PROCIOSUS	26	56.70 DIANE GRANER	91
26.47 JESSICA TONG	27.70 J MCEACHERN	24	24.69 JENNIFER BRANNON	28	58.95 TANYA N LANE	26
	27.79 ELLEN LESSIG	23			59.73 JIE LI	26

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

1:00.14 KATHLEEN HARTNETT 26	1:01.20 CHRISTENA PAZOS 29	1:51.99 K PIPES-NEILSEN 96	2:16.02 SUSIE DEVLIN 31
1:00.60 JULIE MOODY 29	1:01.21 G WASSERSTROM 29	1:54.87 LAUREEN WELTING 32	2:16.19 E SARKAUSKAITE 30
1:00.70 KARI S ANDERSON 26	* 200 YD BUTTERFLY	1:55.26 TRACIE A MOLL 34	2:16.90 JOAN A SCHRIGER 33
1:01.76 SUNNY SMILEY 27	2:03.38 JUNE FORD 87	1:56.39 LISA A HAZEN 33	2:17.59 VICKY DAVIDSON 32
1:02.03 JEANNE KELLACHAN 26	2:05.34 WENDY KNOX 26	2:00.31 MARTIE MC KINNEY 33	2:19.20 AIMEE V LEHR 30
1:02.38 BRANDY TOTH 26	2:11.43 BONNIE FRYER 26	2:00.54 TIFFANY A FORBES 31	2:19.20 LAURIE HUG 32
1:02.40 E SARKAUSKAITE 29	2:12.97 JENNIFER L RIDGE 29	2:00.72 LAURIE HUG 32	* 50 YD BREASTSTROKE
1:02.44 JANE CAIRNS 27	2:17.23 ANDREA M MAECHLER 29	2:00.74 DIANNE GLEASON 32	29.84 ROSEMARIE SEAMAN 89
* 200 YD BACKSTROKE	2:17.54 PAMELA M FRANKLIN 28	2:01.01 LIESA BENN 32	31.83 KATHRYN E GELMAN 33
2:01.29 DIANE GRANER 91	2:18.47 KATHLEEN PISULA 27	2:01.23 AIMEE V LEHR 30	32.97 CAROL WEST 34
2:04.69 TANYA N LANE 26	2:18.96 JANE CAIRNS 27	2:01.28 NATALIE ALVEY 31	33.13 DIANE PASTOR 32
2:11.15 KATHLEEN HARTNETT 26	2:19.94 LINDA VISSER 27	* 500 YD FREESTYLE	33.29 H ALONSO-PIMENTEL 34
2:11.77 KARI S ANDERSON 26	2:21.08 NANCY NORTH 29	4:59.08 K PIPES-NEILSEN 96	33.37 KATHY WAGGONER 30
2:12.79 JULIE MOODY 29	2:21.78 MARTHA B ORTMAN 28	5:14.83 LISA A HAZEN 33	33.65 AUDREY HOLMES 32
2:13.48 JANE CAIRNS 27	* 100 YD INDIVIDUAL MEDLEY	5:18.38 SHELLY L SCHAFFER 31	33.75 PAULA J POLLARD 34
2:14.21 LAURA BOOTH 25	58.84 SARA SHAND 93	5:19.04 LAURIE HUG 32	33.97 KELLY RELLINGER 31
2:15.10 HILARY A DEVINE 25	58.98 WENKE HANSEN 28	5:20.07 MARTIE MC KINNEY 33	34.02 JENNIFER LUNDMARK 31
2:15.40 KIMBERLY D BRYANT 27	59.84 HEIDI E HANNENIAN 27	5:21.85 DIANNE GLEASON 32	34.04 MICHELE ROY 34
2:16.38 C DIETRICH 26	59.91 MARY EDWARDS 25	5:21.95 SUSIE DEVLIN 31	34.04 MERIT GREAVES 34
2:17.03 ELLEN BAIRD 28	1:00.34 TANYA N LANE 26	5:25.74 TIFFANY A FORBES 31	* 100 YD BREASTSTROKE
* 50 YD BREASTSTROKE	1:00.93 SHARON K PATRICK 26	5:28.34 DONNA JOHNSON 30	1:05.05 ROSEMARIE SEAMAN 89
29.78 KELLI KING-BEDNAR 96	1:01.07 WENDY KNOX 26	5:29.20 T CHILDRESS-BROWN 34	1:10.35 KATHRYN E GELMAN 33
30.53 LOUISE M MARTIN 29	1:01.83 LAURA BOOTH 25	5:29.67 LOUISE BUCKLEY 30	1:10.93 JENNIFER WECHSLER 31
30.76 WENKE HANSEN 28	1:01.88 LOUISE M MARTIN 29	* 1000 YD FREESTYLE	1:11.58 CAROL WEST 34
31.69 DANICE K EATON 26	1:01.96 JULIE MOODY 29	10:20.08 K PIPES-NEILSEN 97	1:12.00 DIANE PASTOR 32
31.95 KERSTEN ANNEGERS 29	1:02.01 JENNIFER RIDGE 29	10:53.54 LAURIE HUG 32	1:12.22 LIESA A BENN 32
32.23 CHRISTINE LOGAR 25	* 200 YD INDIVIDUAL MEDLEY	10:57.26 SHELLY SCHAFFER 31	1:12.34 JENNIFER LUNDMARK 31
32.23 DEBORAH LYNCH 29	2:05.98 SARA SHAND 93	11:14.59 LOUISE BUCKLEY 31	1:12.56 PAULA J POLLARD 34
32.31 MELANIE MORGAN 26	2:09.13 TANYA N LANE 26	11:16.69 TIFFANY A FORBES 31	1:12.63 JERRI FREIMUTH 33
32.58 MARY A BERGEN 27	2:10.28 WENKE HANSEN 28	11:19.32 TRACIE MOLL 34	1:13.36 KARYN AUSTIN 33
32.60 SHARON K PATRICK 26	2:11.23 LAURA BOOTH 25	11:22.06 MARION H SALOPEK 33	1:13.60 MICHELE ROY 34
32.64 JULIE MOODY 29	2:11.78 JENNIFER L RIDGE 29	11:22.68 KRISTEN JOHNSTON 31	* 200 YD BREASTSTROKE
* 100 YD BREASTSTROKE	2:13.40 LAUREL S HILL 29	11:24.23 NANCY M KELLNER 31	2:27.82 K PIPES-NEILSEN 97
1:05.82 LOUISE MARTIN 98	2:13.95 BONNIE FRYER 26	11:24.86 LISA M SHEEPER 33	2:33.85 DIANE PASTOR 32
1:05.82 LOUISE M MARTIN 29	2:14.32 JULIE MOODY 29	11:32.72 T CHILDRESS-BROWN 34	2:34.44 JERRI L FREIMUTH 33
1:07.79 WENKE HANSEN 28	2:14.36 SHARON K PATRICK 26	* 1650 YD FREESTYLE	2:36.75 CHERYL A BARANY 33
1:08.35 COURTNEY THOMAS 25	2:16.12 KENDRA J THAYER 25	17:07.52 KAREN BURTON 93	2:37.38 JENNIFER WECHSLER 31
1:08.82 STEPHANIE WRIEDE 28	2:16.34 ANDREA M MAECHLER 29	18:04.94 SHELLY L SCHAFFER 31	2:37.53 GINA MARIE GATTI 34
1:08.86 CHRISTINE LOGAR 25	* 400 YD INDIVIDUAL MEDLEY	18:18.72 LAURIE HUG 32	2:38.06 LIESA A BENN 32
1:09.43 DANICE K EATON 26	4:28.40 SARA SHAND 91	18:22.51 DIANNE GLEASON 32	2:39.06 LAURIE HUG 32
1:09.54 KERSTEN ANNEGERS 29	4:35.76 WENDY KNOX 26	18:31.44 DONNA JOHNSON 30	2:39.55 PAULA BEAUMONT 30
1:10.31 KENDRA J THAYER 25	4:40.28 LAUREL S HILL 29	18:31.99 WENDY L INGRAHAM 34	2:41.44 LAURIE KILMARTIN 32
1:10.50 SHARON K PATRICK 26	4:40.84 JENNIFER L RIDGE 29	18:49.48 LOUISE BUCKLEY 31	2:41.61 KATHY WAGGONER 30
1:10.52 JENNIFER RIDGE 29	4:41.79 BONNIE FRYER 26	19:07.61 HEIDI B HARRIS 34	* 50 YD BUTTERFLY
* 200 YD BREASTSTROKE	4:43.04 JANE CAIRNS 27	19:12.37 JERRI FREIMUTH 33	25.62 ROSEMARIE SEAMAN 89
2:22.97 LOUISE MARTIN 98	4:48.70 KENDRA J THAYER 25	19:28.87 JOAN A SCHRIGER 33	26.20 TRACIE A MOLL 34
2:22.97 LOUISE M MARTIN 29	4:51.52 C DIETRICH 26	19:36.63 BECKY E HELLER 34	26.44 D GRANER-GALLAS 34
2:25.35 TANYA N LANE 26	4:54.98 ELLEN BAIRD 28	* 50 YD BACKSTROKE	26.67 MARTIE MCKINNEY 33
2:29.41 LAUREL S HILL 29	4:56.41 ALISON H ZAMANIAN 28	27.14 D GRANER-GALLAS 97	27.37 NATALIE ALVEY 31
2:30.48 CHRISTINE LOGAR 25	4:58.05 KARI ANDERSSON 26	27.21 D GRANER-GALLAS 34	28.01 VAL RICHARDSON 33
2:31.04 KERSTEN ANNEGERS 29		28.37 AIMEE V LEHR 30	28.06 MICHELLE HOJNACKI 31
2:31.38 KENDRA J THAYER 25	WOMEN 30-34	28.48 DAWN M HEWITT 33	28.08 JOAN A SCHRIGER 33
2:31.83 JENNIFER RIDGE 29		28.67 KATHRYN KIRMAYER 34	28.11 LISA A WARD 34
2:34.03 KATHERINE PINGER 25	* 50 YD FREESTYLE	28.73 MARTIE MC KINNEY 32	28.16 A LUAllen-SCHOLZ 32
2:34.42 MARY A BERGEN 27	23.04 S NEILSON-BELL 88	28.81 A LUAllen-SCHOLZ 32	28.27 VICKY DAVIDSON 32
2:35.16 KAREN L DUGGAN 27	23.75 TRACIE A MOLL 34	28.90 JOAN A SCHRIGER 33	* 100 YD BUTTERFLY
* 50 YD BUTTERFLY	24.93 NATALIE ALVEY 31	28.92 TRACIE A MOLL 34	55.68 ROSEMARIE SEAMAN 89
25.68 LINDA LANINI 87	24.99 KATHRYN KIRMAYER 34	29.41 E SARKAUSKAITE 30	56.71 TRACIE A MOLL 34
26.36 S SULLIVAN 27	25.06 AUDREY HOLMES 32	29.94 ANDREA SCHOLZ 32	58.06 D GRANER-GALLAS 34
26.42 WENKE HANSEN 28	25.36 LAUREEN WELTING 32	* 100 YD BACKSTROKE	58.12 MARTIE MCKINNEY 33
26.50 AMITY HALL 26	25.46 AIMEE V LEHR 30	57.13 K PIPES-NEILSEN 96	1:00.77 LAUREEN WELTING 32
27.06 MARY EDWARDS 25	25.50 D GRANER GALLAS 33	57.62 AIMEE V LEHR 30	1:01.77 JENNIFER WECHSLER 31
27.11 G WASSERSTROM 29	25.58 T CHILDRESS-BROWN 34	58.29 D GRANER-GALLAS 34	1:01.99 VICKY DAVIDSON 32
27.21 HEATHER M HAGEMAN 27	25.66 CHRISTINE VESS 33	58.75 MARTIE MCKINNEY 33	1:02.22 CORY J MACKIE 34
27.32 DORIE PORTELA 29	25.70 SUSAN K MOSS 32	1:00.90 DAWN HEWITT 33	1:02.29 A LUAllen-SCHOLZ 32
27.53 LEIGH METCALF 25	* 100 YD FREESTYLE	1:01.71 A LUAllen-SCHOLZ 32	1:02.50 DIANNE L WYGAL 32
27.54 BONNIE FRYER 26	50.83 SANDY NEILSON 87	1:02.02 E SARKAUSKAITE 30	1:02.62 TRACY A PECK 31
27.54 LORI DE LUCA 26	52.65 TRACIE A MOLL 34	1:03.25 KATHRYN KIRMAYER 34	* 200 YD BUTTERFLY
* 100 YD BUTTERFLY	52.92 D GRANER-GALLAS 34	1:03.30 JOAN A SCHRIGER 33	2:03.46 K PIPES-NEILSEN 96
57.01 DIANE GRANER 91	54.02 LAUREEN WELTING 32	1:03.52 VICKY DAVIDSON 32	2:07.59 MARTIE MCKINNEY 33
58.13 HEIDI E HANNENIAN 27	54.10 SUSIE DEVLIN 31	1:03.82 ANDREA SCHOLZ 32	2:11.77 TRACIE A MOLL 34
59.20 WENDY KNOX 26	54.56 NATALIE ALVEY 31	* 200 YD BACKSTROKE	2:12.69 LAUREEN WELTING 32
59.25 MARGARET GRUNOW 26	54.59 AIMEE V LEHR 30	1:59.93 K PIPES-NEILSEN 96	2:17.42 TIFFANY A FORBES 31
59.30 LESLIE RAMSEY 25	54.66 MARTIE MCKINNEY 33	2:05.69 D GRANER-GALLAS 34	2:18.03 TRACY A PECK 31
59.42 SHIRLEY KIM 25	55.12 LIESA A BENN 32	2:12.59 DAWN HEWITT 33	2:19.08 LAURIE HUG 33
59.90 BONNIE FRYER 26	55.19 KATHRYN KIRMAYER 34	2:14.26 LISA A WARD 34	2:19.54 CORY J MACKIE 34
1:00.48 DORIE PORTELA 29	55.23 JENNIFER PEASLEY 33	2:15.18 A LUAllen-SCHOLZ 32	2:21.01 JILL LEMONE 31
1:00.90 JENNIFER RIDGE 29	* 200 YD FREESTYLE	2:15.50 LISA A HAZEN 33	2:22.29 JOAN A SCHRIGER 33

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

2:23.59 VAL RICHARDSON 33	5:02.62 K PIPES-NEILSEN 36	33.14 DEA ANN JOSLIN 39	2:05.24 K PIPES-NEILSEN 36
* 100 YD INDIVIDUAL MEDLEY	5:08.33 JILL S HERNANDEZ 37	33.17 PATTY M POWIS 37	2:10.68 JILL S HERNANDEZ 37
58.78 ROSEMARIE SEAMAN 89	5:13.94 ROBYNN MASTERS 39	33.73 LAURA L KESSLER 37	2:14.78 CAROLINE KRATTLI 36
1:01.94 MARTIE MC KINNEY 33	5:17.78 LAURIE P VIDAL 35	33.94 SHONA MACLACHLAN 36	2:16.08 VIBEKE SWANSON 36
1:02.51 LISA A WARD 34	5:19.26 MARGEE M CURRAN 36	* 100 YD BREASTSTROKE	2:18.98 SUSAN CAHILL 35
1:03.41 AIMEE V LEHR 30	5:20.75 S M HEIM-BOWEN 39	1:07.58 LESLIE OSBORNE 89	2:19.27 ANDREA J DEVIUNO 35
1:03.55 D GRANER-GALLAS 33	5:24.02 SUE CAHILL 35	1:08.69 CAROLINE KRATTI 36	2:20.91 DEBORAH ZIMIC 35
1:03.94 A LUALLEN-SCHOLZ 32	5:26.34 MARGUERITE MEYER 39	1:09.72 K PIPES-NEILSEN 36	2:21.92 VONI M OERMAN 37
1:04.08 JENNIFER PEASLEY 33	5:26.92 RACHEL WINDSOR 35	1:10.86 DEA ANN JOSLIN 39	2:24.29 AMY POPE 37
1:04.17 VAL RICHARDSON 33	5:29.52 AMY POPE 37	1:11.73 CAROLYN KOSTER 36	2:25.30 LISA WILSON 36
1:04.20 ALICE W PHILLIPS 32	* 1000 YD FREESTYLE	1:11.98 VAL HAUGE 37	* 400 YD INDIVIDUAL MEDLEY
1:04.34 AUDREY HOLMES 32	10:29.62 K PIPES-NEILSEN 97	1:12.56 MAUD E ORLANDO 35	4:24.18 K PIPES-NEILSEN 98
* 200 YD INDIVIDUAL MEDLEY	10:31.35 K PIPES-NEILSEN 36	1:12.77 PATTY M POWIS 37	4:24.18 K PIPES-NEILSEN 36
2:04.30 K PIPES-NEILSEN 96	10:55.66 MARGEE M CURRAN 36	1:13.88 COKIE LEPINSKI 38	4:35.67 JILL S HERNANDEZ 37
2:12.11 MARTIE MCKINNEY 33	11:02.43 S M HEIM-BOWEN 39	1:13.98 VONI M OERMAN 37	4:46.23 ROBYNN MASTERS 39
2:13.76 LAUREN WELTING 32	11:11.51 SUSAN CAHILL 35	1:14.03 JANN GIRARD 38	4:46.84 SUE CAHILL 35
2:16.47 SUSIE DEVLIN 31	11:14.68 MARGUERITE MEYER 39	* 200 YD BREASTSTROKE	4:51.49 ANDREA J DEVIUNO 35
2:16.85 LAURIE HUG 32	11:19.30 RACHEL WINDSOR 35	2:26.85 K PIPES-NEILSEN 97	4:55.95 PENNY LEACH 35
2:17.77 TIFFANY A FORBES 31	11:29.44 CATHY SHONKWILER 37	2:29.71 CAROLINE KRATTI 36	4:56.92 DEBORAH ZIMIC 35
2:19.14 LIESA A BENN 32	11:38.52 JUDY A NELSON 37	2:29.96 K PIPES-NEILSEN 36	4:59.19 C MC DONIE 35
2:19.18 MICHELLE HOJNACKI 31	11:42.48 LYNN DE GEORGE 37	2:33.81 DEA ANN JOSLIN 39	5:01.58 VONI M OERMAN 37
2:19.28 A LUALLEN-SCHOL 32	11:48.47 ANDREA D NAUTA 38	2:38.88 PATTY M POWIS 37	5:04.19 S M HEIM-BOWEN 39
2:19.29 JENNIFER WECHSLER 31	* 1650 YD FREESTYLE	2:38.99 COKIE LEPINSKI 38	
2:19.42 ALICE W PHILLIPS 32	17:13.99 K PIPES-NEILSEN 97	2:39.61 BETH A SCHIEMANN 35	WOMEN 40-44
* 400 YD INDIVIDUAL MEDLEY	17:16.76 K PIPES-NEILSEN 36	2:39.83 VONI M OERMAN 37	* 50 YD FREESTYLE
4:25.68 KARLYN PIPES 95	18:31.59 S M HEIM-BOWEN 39	2:40.29 CAROLYN KOSTER 36	24.29 S NEILSON-BELL 96
4:52.52 LAURIE HUG 32	18:33.01 MARGUERITE MEYER 39	2:41.06 JANN GIRARD 38	24.59 S NEILSON-BELL 42
4:55.70 TIFFANY A FORBES 31	19:31.34 MELANIE DULLEA 36	2:41.66 TONYA BERG 39	25.25 GAYLE WETTACH 41
4:57.54 MICHELLE F LEARY 31	19:40.72 RANDI ANDERSON 36	* 50 YD BUTTERFLY	25.72 ROSEMARIE SEAMAN 40
4:59.45 CHERYL A BARANY 33	19:47.72 LISA WILSON 36	26.68 LAURA VAL 87	25.96 JENNIFER LUKER 41
5:01.09 A LUALLEN-SCHOL 32	19:55.74 MARIE-HEL CHARLAP 37	26.33 K PIPES-NEILSEN 36NV	26.18 PAM DRAFTS 41
5:01.30 JILL LEMONE 31	19:57.23 PENNY BATES 36	27.39 CATHY SHONKWILER 38	26.23 JANE E ZIEGLER 44
5:02.43 DONNA JOHNSON 30	19:57.70 RACHEL WINDSOR 35	27.57 JILL S HERNANDEZ 37	26.24 MELINDA MANN 41
5:03.94 LORNA CIALDELLA 33	20:06.12 LORI PAYNE 38	27.79 BETH O BAKER 37	26.37 WENDY E RYAN 40
5:04.34 DAWN M HEWITT 33	* 50 YD BACKSTROKE	28.04 CINDY WATTS 36	26.54 MARILYN E EARLY 40
5:04.61 JEN WECHSLER 31	27.02 K PIPES-NEILSEN 97	28.22 ANDREA BLOCK 36	26.54 KARLENE F WISE 44
	27.15 K PIPES-NEILSEN 36	28.34 CAROLINE KRATTI 36	
WOMEN 35-39	29.00 MARIKA MCCUE 35	28.60 KATHY FRAZIER 37	* 100 YD FREESTYLE
* 50 YD FREESTYLE	29.16 KAREN ANDREWS 35	28.76 J HARRINGTON 36	52.72 S NEILSON-BELL 96
23.53 S NEILSON-BELL 96	29.40 PENNY LEACH 35	28.85 BETH A SCHIEMANN 35	54.04 S NEILSON-BELL 42
24.66 K PIPES-NEILSEN 36	29.55 ROBYNN MASTERS 39	* 100 YD BUTTERFLY	55.86 ROSEMARIE SEAMAN 40
24.67 BETH KNIGHT 38	29.65 ANDREA DEVIUNO 35	56.90 SUSAN HALFACRE 88	56.54 JENNIFER LUKER 41
24.68 GRACIE GODDARD 38	29.67 V SWANSON 36	57.59 S M HEIM-BOWEN 39	56.89 GAYLE WETTACH 41
25.20 CATHY SHONKWILER 37	29.70 CATHY SHONKWILER 37	57.99 K PIPES-NEILSEN 36	56.95 JANE E ZIEGLER 44
25.23 JILL S HERNANDEZ 36	29.71 SANDY COLBY 35	59.04 JILL S HERNANDEZ 37	57.52 MARILYN E EARLY 40
25.59 RACHEL WINDSOR 35	30.18 LINDLEY FLEURY 39	1:01.85 CATHY SHONKWILER 38	57.65 LYNN SULLIVAN 40
25.59 DEA M FREDRICK 35	* 100 YD BACKSTROKE	1:02.12 ANDREA BLOCK 36	58.27 MARY LIPPOLD 42
25.70 LAURIE P VIDAL 35	57.05 K PIPES-NEILSEN 98	1:02.15 BETH O BAKER 37	58.66 BARB B HANDLER 40
25.75 BETH A SCHIEMANN 35	57.05 K PIPES-NEILSEN 36	1:02.58 CINDY WATTS 36	58.99 MELINDA MANN 41
25.79 CINDY WATTS 36	59.91 VIBEKE SWANSON 36	1:02.95 V SWANSON 36	* 200 YD FREESTYLE
* 100 YD FREESTYLE	1:02.13 KAREN ANDREWS 35	1:03.76 TERRY NATALI 38	1:58.79 LAURA VAL 94
51.54 S NEILSON-BELL 95	1:02.44 ROBYNN MASTERS 39	1:04.03 KATHY FRAZIER 37	2:00.43 S NEILSON-BELL 42
52.39 K PIPES-NEILSEN 36	1:03.14 BETH O BAKER 37	* 200 YD BUTTERFLY	2:05.54 JANE E ZIEGLER 44
53.40 GRACIE GODDARD 38	1:04.00 MARIKA MCCUE 35	2:04.88 K PIPES-NEILSEN 97	2:05.28 MARILYN E EARLY 40
54.17 BETH KNIGHT 38	1:04.31 CINDY WATTS 36	2:05.03 K PIPES-NEILSEN 36	2:07.68 LO D KNAPP 43
54.22 JILL S HERNANDEZ 36	1:04.59 ANDREA DEVIUNO 35	2:12.09 JILL S HERNANDEZ 37	2:07.93 CHARLENE O'BRIEN 41
54.78 VIBEKE SWANSON 36	1:04.65 CAROLINE KRATTLI 36	2:16.81 ROBYNN MASTERS 39	2:07.97 HUDDIE MURRAY 41
55.08 LAURIE P VIDAL 35	1:04.82 PENNY LEACH 35	2:19.90 SUSANNE SIMPSON 38	2:09.32 MELINDA MANN 41
55.31 CATHY SHONKWILER 38	* 200 YD BACKSTROKE	2:21.24 C MC DONIE 35	2:10.12 CINDY S LEE 40
55.39 RACHEL WINDSOR 35	2:00.54 K PIPES-NEILSEN 98	2:21.43 JUNE FORD 36	2:10.31 MARY LIPPOLD 42
55.87 PENNY LEACH 35	2:00.54 K PIPES-NEILSEN 36	2:22.09 DEBORAH ZIMIC 35	2:10.39 SUSAN SKIFF 43
56.10 CINDY WATTS 36	2:12.09 VIBEKE SWANSON 36	2:22.30 ANDREA J BLOCK 36	* 500 YD FREESTYLE
* 200 YD FREESTYLE	2:13.06 ROBYNN MASTERS 39	2:24.03 OLIVIA J MOORE 38	5:23.35 LAURA VAL 94
1:51.55 K PIPES-NEILSEN 97	2:15.43 ANDREA DEVIUNO 35	2:25.67 ARLENE HOUSE 35	5:36.85 S NEILSON-BELL 42
1:51.92 K PIPES-NEILSEN 36	2:16.74 BETH O BAKER 37	* 100 YD INDIVIDUAL MEDLEY	5:46.54 WANDA BROWN 40
1:54.79 JILL S HERNANDEZ 37	2:16.95 KAREN ANDREWS 35	58.60 K PIPES-NEILSEN 97	5:48.81 LORRAINE SOMMERS 41
1:58.35 LAURIE P VIDAL 35	2:22.49 SHEILA STOLARSKI 36	59.54 K PIPES-NEILSEN 36	5:51.78 MAGGIE K HOPPER 40
1:58.83 BETH KNIGHT 38	2:23.17 NANCY HENNESSY 36	1:01.54 CAROLINE KRATTLI 36	5:51.97 HUDDIE MURRAY 41
1:59.60 VIBEKE SWANSON 36	2:23.17 JENNIFER PORTMAN 35	1:02.08 JILL S HERNANDEZ 37	5:52.57 TRACY GRILLI 41
2:00.78 RACHEL WINDSOR 35	2:26.37 MARIKA MCCUE 35	1:02.84 LAURIE P VIDAL 35	5:53.38 PAM MARTIN 40
2:00.81 MARGEE M CURRAN 36	* 50 YD BREASTSTROKE	1:02.88 V SWANSON 36	5:53.50 DEBBIE FLANSBURG 42
2:01.02 BETH A SCHIEMANN 35	30.85 LESLIE OSBORNE 89	1:04.47 BETH O BAKER 37	5:53.79 JANE K BURKS 40
2:02.53 CATHY SHONKWILER 37	31.69 CAROLINE KRATTLI 36	1:04.90 MARIKA MCCUE 35	5:53.88 MARY H SWEAT 40
2:02.57 ANDREA D NAUTA 38	32.11 K PIPES-NEILSEN 36	1:05.00 BETH A SCHIEMANN 35	5:53.88 MARY MAY 40
* 500 YD FREESTYLE	32.83 VAL HAUGE 37	1:05.22 CATHY SHONKWILER 37	* 1000 YD FREESTYLE
4:56.09 K PIPES-NEILSEN 97	32.90 CAROLYN KOSTER 36	1:05.26 SUSAN CAHILL 35	11:20.18 BARBARA DUNBAR 90
	33.07 MAUD E ORLANDO 35	* 200 YD INDIVIDUAL MEDLEY	11:38.00 CHARLENE O'BRIEN 41
	33.07 BETH A SCHIEMANN 35	2:05.24 K PIPES-NEILSEN 98	11:54.07 HUDDIE MURRAY 41

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12:01.17 ELAINE FINCHAM 42	1:15.76 HUDDIE MURRAY 41	5:09.25 MARY ANN STEVENS 44	20:38.66 DENISE M EVERITT 45
12:03.59 TRACY GRILLI 41	1:15.79 PAM DRAFTS 41	5:09.33 LAURIE J ALIOTO 40	20:58.39 DIANNE J GARCIA 46
12:22.68 N STEADMAN-MARTIN 43	200 YD BREASTSTROKE	5:12.30 CHARLENE O'BRIEN 41	21:20.52 CYNTHIA JONES 48
12:23.04 CATHY PHILPOT 41	2:37.37 GAYLE BENTY 93	5:16.34 ELAINE FINCHAM 42	21:34.65 SHERRY KITTRELL 46
12:24.49 LUANNE BEINKE 44	2:38.43 MELINDA J MANN 41	5:16.76 MELINDA MANN 41	21:52.52 MARCIA BARRY 49
12:24.49 KATHRYN BULLOCK 44	2:39.26 LO D KNAPP 43	5:20.05 EILEEN A WALL 40	50 YD BACKSTROKE
12:27.80 STEPHANIE KESSLER 40	2:40.17 WENDY E RYAN 40	5:20.68 L HASSELQUIST 40	28.26 LAURA VAL 97
12:32.39 SUSAN M RITTER 40	2:40.27 EILEEN A WALL 40	5:24.41 LISA BENNETT 42	28.58 LAURA VAL 46
1650 YD FREESTYLE	2:41.50 GAIL RICE 41		29.50 JENNIFER MALPASS 46
18:58.23 BARBARA DUNBAR 89	2:41.65 HUDDIE MURRAY 41	WOMEN 45-49	30.22 NANCY-LEIG FISHER 46
19:39.66 JANE K BURKS 40	2:42.72 JUDY TIBMA 41		30.26 JOEL T FELDMAN 46
19:48.79 HUDDIE MURRAY 41	2:43.75 LISA BENNETT 42	50 YD FREESTYLE	31.43 C STONESIFER 45
20:08.86 MAGGIE K HOPPER 40	2:48.06 KAREN L MELICK 40	25.19 LAURA VAL 97	31.52 EVELYN LYNCH 45
20:11.61 LO KNAPP 43	2:48.10 CATHY COOLEY 40	25.25 LAURA VAL 46	32.84 DANIELLE OGIER 45
20:18.06 MEG MAY 40	50 YD BUTTERFLY	25.89 JOEL T FELDMAN 46	33.02 DENISE KIRWAN 46
20:28.30 MARY H SWEAT 40	26.46 LAURA VAL 93	26.25 JACKI HIRSTY 45	33.19 MARTI BETZ 48
20:37.96 LUANNE BEINKE 44	27.47 JENNIFER LUKER 41	26.46 DANIELLE OGIER 45	33.38 BARB GUNDRED 46
20:39.17 N STEADMAN-MARTIN 43	27.67 ROSEMARIE SEAMAN 40	26.57 R BRITTINGHAM 46	100 YD BACKSTROKE
20:45.51 PHYLLIS E QUINN 42	27.80 S NEILSON-BELL 42	26.73 NANCY-LEIG FISHER 46	1:01.50 LAURA VAL 97
20:45.87 TRACY GRILLI 40	28.30 CHARLENE O'BRIEN 41	27.01 C STONESIFER 45	1:03.08 LAURA B VAL 46
50 YD BACKSTROKE	28.40 MELINDA J MANN 41	27.33 SUSAN MARINZEL 45	1:04.69 NANCY-LEIG FISHER 46
27.91 LAURA VAL 92	28.75 ELAINE FINCHAM 42	27.62 DENISE KIRWAN 46	1:06.42 CYNTHIA JONES 47
29.57 ANN DAVIDSEN 40	28.98 MARY ANN STEVENS 44	27.69 JANE A HARPER 45	1:07.14 EVELYN LYNCH 45
29.65 CAROLYN SHEFFIELD 40	29.11 DEBBIE A GLASSMAN 44	100 YD FREESTYLE	1:08.00 JOEL T FELDMAN 46
29.79 PATTY LANDERS 41	29.24 GAYLE WETTACH 40	54.26 LAURA VAL 98	1:09.83 C STONESIFER 45
30.48 S NEILSON-BELL 42	29.35 LYNN SULLIVAN 40	54.26 LAURA VAL 46	1:11.49 DENISE KIRWAN 46
30.59 JANE ZIEGLER 44	100 YD BUTTERFLY	56.77 JACKI HIRSTY 45	1:12.43 BARB GUNDRED 46
30.85 L HASSELQUIST 40	59.22 LAURA VAL 92	56.91 DANIELL OGIER 45	1:12.83 CATHERINE KOHN 45
30.96 ANN H GUINS 44	1:01.62 ROSEMARIE SEAMAN 40	56.97 NANCY-LEIG FISHER 46	1:13.78 MARTI BETZ 48
30.96 MARILYN EARLY 40	1:02.04 S NEILSON-BELL 42	58.24 R BRITTINGHAM 46	200 YD BACKSTROKE
31.59 LESLIE A ULEN 40	1:03.04 DEBBIE FLANSBURG 42	59.31 JOEL T FELDMAN 46	2:19.10 CECILA MCCLOSKEY 97
31.76 CAROL PFLUGHABER 44	1:03.17 CHARLENE O'BRIEN 41	59.58 CELESTE MILLER 48	2:23.19 NANCY-LEIG FISHER 46
100 YD BACKSTROKE	1:03.78 MELINDA J MANN 41	59.92 JONELLE G SCHMIDT 47	2:31.22 EVELYN LYNCH 45
1:01.38 LAURA VAL 96	1:04.13 MARY ANN STEVENS 44	1:00.48 DENISE KIRWAN 46	2:31.23 JONELLE G SCHMIDT 47
1:03.83 PATTY LANDERS 41	1:04.84 ELAINE FINCHAM 42	1:00.69 HEIDI ERNST 45	2:32.63 DENISE KIRWAN 46
1:05.48 JANE E ZIEGLER 44	1:05.02 JENNIFER LUKER 41	200 YD FREESTYLE	2:35.79 DANIELLE OGIER 45
1:05.64 MARILYN E EARLY 40	1:05.75 HUDDIE MURRAY 41	2:01.52 LAURA VAL 97	2:38.97 C STONESIFER 45
1:06.11 S NEILSON-BELL 42	1:06.88 LAURIE J ALIOTO 40	2:02.27 LAURA B VAL 46	2:39.65 CATHERINE KOHN 45
1:07.27 CHARLENE O'BRIEN 41	200 YD BUTTERFLY	2:03.24 DANIELL OGIER 45	2:41.46 BONNIE R JOHNSTON 46
1:07.52 KAREN SING 41	2:11.08 LAURA VAL 92	2:05.61 NANCY-LEIG FISHER 46	2:45.05 LAURIE A FINKE 45
1:08.09 L HASSELQUIST 40	2:16.30 DEBBIE FLANSBURG 42	2:07.90 CELESTE MILLER 48	2:45.76 MARTI BETZ 48
1:08.37 LESLIE A ULEN 40	2:22.36 MARY ANN STEVENS 44	2:08.70 JACKI HIRSTY 45	50 YD BREASTSTROKE
1:08.61 LAURIE J ALIOTO 40	2:22.49 GAIL RICE 41	2:12.23 JONELLE G SCHMIDT 47	32.82 SUSAN ROY 94
1:08.82 KARLENE F WISE 44	2:25.10 HUDDIE MURRAY 41	2:12.28 R BRITTINGHAM 46	34.35 A WRIGHT BELKNAP 47
200 YD BACKSTROKE	2:28.52 ELAINE FINCHAM 42	2:16.02 BARBARA DUNBAR 49	34.84 DANIELLE OGIER 45
2:16.96 PATTY LANDERS 98	2:28.54 LAURIE J ALIOTO 40	2:17.61 CYNTHIA JONES 48	34.84 KRISSEY MACCUDY 45
2:16.96 PATTY LANDERS 41	2:31.53 LAURA WORDEN 40	2:18.10 DENISE EVERITT 45	35.16 CHRISTY HARTMAN 45
2:23.10 JANE E ZIEGLER 44	2:35.53 JOANNE WAINWRIGHT 42	500 YD FREESTYLE	35.38 JANE A HARPER 45
2:24.87 L HASSELQUIST 40	2:35.86 DEBBIE A GLASSMAN 44	5:31.40 LAURA VAL 97	35.42 DEB WALKER 46
2:26.05 MARILYN E EARLY 40	2:36.52 SUSAN SKIFF 43	5:33.51 DANIELLE OGIER 45	35.87 ELIZABETH CUTTER 45
2:26.34 LAURIE J ALIOTO 40	100 YD INDIVIDUAL MEDLEY	5:36.69 NANCY-LEIG FISHER 46	36.35 HOLLY L MACMURRAY 47
2:26.61 CHARLENE O'BRIEN 41	1:02.91 S NEILSON-BELL 97	5:38.48 CELESTE MILLER 48	36.99 C STONESIFER 45
2:27.69 MARY ANN STEVENS 44	1:03.23 S NEILSON-BELL 42	5:47.53 JACKI HIRSTY 45	37.00 CATHERINE KOHN 45
2:27.90 LESLIE A ULEN 40	1:04.51 ROSEMARIE SEAMAN 40	5:59.25 HEIDI ERNST 45	100 YD BREASTSTROKE
2:30.99 CATHY COOLEY 40	1:05.60 MELINDA J MANN 41	6:00.69 BARBARA DUNBAR 49	1:11.83 SUSAN ROY 94
2:31.00 MARY CURL 41	1:06.19 GAYLE WETTACH 41	6:02.17 DENISE EVERITT 45	1:15.38 A WRIGHT BELKNAP 47
50 YD BREASTSTROKE	1:06.42 JENNIFER LUKER 41	6:03.34 PRISCILL KAWAKAMI 47	1:16.33 KRISSEY MACCUDY 45
32.73 LISA BENNETT 96	1:06.66 HUDDIE MURRAY 41	6:07.69 TERRY M GAULT 47	1:16.94 DANIELLE OGIER 45
32.36 ROSEMARIE SEAMAN 40NV	1:07.50 PATTY LANDERS 41	6:09.40 CYNTHIA JONES 47	1:17.17 CATHERINE KOHN 45
32.97 MELINDA J MANN 41	1:07.86 WENDY E RYAN 40	1000 YD FREESTYLE	1:17.37 ELIZABETH CUTTER 45
33.49 LISA BENNETT 42	1:07.89 JUDY TIBMA 41	11:29.50 DANIELLE OGIER 98	1:17.62 HOLLY L MACMURRAY 47
33.49 WENDY E RYAN 40	1:08.59 LISA BENNETT 42	11:25.05 NANCY-LEIG FISHER 46NV	1:17.88 JANE A HARPER 45
33.52 JUDY B TIBMA 41	200 YD INDIVIDUAL MEDLEY	11:29.50 DANIELLE OGIER 45	1:18.46 DIANE ROTHENBERG 45
34.23 EILEEN A WALL 40	2:17.08 S NEILSON-BELL 96	11:42.63 CELESTE MILLER 48	1:21.05 ANN SIMS 46
34.29 LO D KNAPP 43	2:17.55 S NEILSON-BELL 42	12:09.75 BARBARA DUNBAR 49	1:21.24 MEEGAN WILSON 49
34.41 PAM DRAFTS 41	2:23.58 ROSEMARIE SEAMAN 40	12:13.80 DENISE EVERITT 45	200 YD BREASTSTROKE
34.63 JENNIFER LUKER 41	2:25.25 MELINDA MANN 41	12:26.77 TERRY GAULT 47	2:38.38 SUSAN ROY 94
34.90 S NEILSON-BELL 42	2:26.40 LO D KNAPP 43	12:34.43 DIANNE J GARCIA 46	2:43.86 CATHERINE KOHN 45
100 YD BREASTSTROKE	2:26.51 PATTY LANDERS 41	12:47.27 CYNTHIA JONES 47	2:45.42 DANIELLE OGIER 45
1:10.78 MELINDA MANN 98	2:26.64 MARY ANN STEVENS 44	12:48.94 SHERRY KITTRELL 46	2:47.43 DEB WALKER 46
1:10.78 MELINDA J MANN 41	2:26.75 HUDDIE MURRAY 41	12:58.00 MARCIA BARRY 49	2:47.66 KRISSEY MACCUDY 45
1:11.37 ROSEMARIE SEAMAN 40	2:29.09 CATHY COOLEY 40	1650 YD FREESTYLE	2:50.80 ELIZABETH CUTTER 45
1:13.57 EILEEN A WALL 40	2:29.10 MARY CURL 41	19:12.36 BARBARA DUNBAR 94	2:51.29 HOLLY L MACMURRAY 47
1:13.61 JUDY B TIBMA 41	2:29.97 MELINDA GREIG 40	19:29.34 DANIELLE OGIER 45	2:51.65 DIANE ROTHENBERG 45
1:13.85 WENDY E RYAN 40	400 YD INDIVIDUAL MEDLEY	19:35.24 NANCY-LEIG FISHER 46	2:51.89 ANN SIMS 46
1:14.20 LO D KNAPP 43	4:55.16 LAURA VAL 96	20:03.91 BARBARA DUNBAR 49	2:56.08 P KAWAKAMI 47
1:14.23 LISA BENNETT 42	4:56.70 S NEILSON-BELL 42	20:34.75 TERRY M GAULT 47	2:56.10 MEEGAN WILSON 49
1:15.63 S NEILSON-BELL 42	5:09.19 HUDDIE MURRAY 41	20:37.06 PRISCILL KAWAKAMI 47	50 YD BUTTERFLY

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

27.02 LAURA VAL 98	28.24 DIANA TODD-TAFT 54	37.04 CONSTANCE SASSER 51	1:15.33 F WILLIAMSON 50
27.02 LAURA VAL 46	28.58 SHARON WISE 51	37.20 LYNN CARTEE 50	1:15.76 RUTH Y SHAPS 50
28.94 JOEL FELDMANN 46	29.53 ANN B LYTTLE 50	100 YD BACKSTROKE	1:18.27 B EDELMAIER 51
29.17 R BRITTINGHAM 46	29.56 RUTH Y SHAPS 50	1:10.58 BETTY BENNETT 94	1:19.90 IRENE DAVID 54
29.24 C STONESIFER 45	29.57 JACKIE MARR 54	1:13.69 BETTY BENNETT 54	1:20.23 GINGER PIERSON 52
30.28 JANE A HARPER 45	29.67 LYNN CARTEE 50	1:14.25 RUTH Y SHAPS 50	1:20.80 SANDI ROUSSEAU 50
30.50 DANIELLE OGIER 45	29.74 CHRISTIE HAYES 50	1:15.73 SHERRY L PUTHOFF 50	1:21.72 JOAN DIERCKS 50
30.54 MEREDITH MOORE 48	30.05 SALLY DILLON 51	1:15.80 JEANNIE MITCHELL 51	1:22.29 CHRIS S WEBER 50
30.74 KRISSY MACCUDY 45	100 YD FREESTYLE	1:18.32 MARY M POHLMANN 53	200 YD BUTTERFLY
30.84 JACKI HIRSTY 45	59.05 ARDETH MUELLER 93	1:19.06 JACKIE MARR 54	2:25.73 ARDETH MUELLER 92
31.12 SUSAN MARINZEL 45	1:00.95 F WILLIAMSON 50	1:19.33 ANDREA HAINES 50	2:55.50 GINGER L PIERSON 52
100 YD BUTTERFLY	1:02.57 JUDY REED 54	1:19.82 JANE KATZ 54	3:01.63 CHRISTINE ZIMMET 50
1:00.37 LAURA VAL 97	1:02.93 SALLY DILLON 51	1:20.12 CHRIS S WEBER 50	3:03.39 JACKIE MARR 54
1:01.06 LAURA VAL 46	1:04.39 JACKIE MARR 54	1:20.54 CONSTANCE SASSER 51	3:04.61 B EDELMAIER 51
1:06.61 R BRITTINGHAM 46	1:04.64 ANN B LYTTLE 50	200 YD BACKSTROKE	3:11.96 JEAN A WOOD 50
1:06.82 DANIELLE OGIER 45	1:04.98 DIANA TODD-TAFT 54	2:37.19 BETTY BENNETT 94	3:12.45 CAROLYN MAGEE 52
1:07.20 KRISSY MACCUDY 45	1:05.36 LYNN CARTEE 50	2:41.47 SHERRY L PUTHOFF 50	3:12.75 ALICE ZABUDSKY 53
1:07.51 C STONESIFER 45	1:05.72 RUTH Y SHAPS 50	2:41.86 BETTY BENNETT 54	3:14.53 MARGOT PETTIJOHN 51
1:09.76 DENISE M EVERITT 45	1:06.57 BETTY BENNETT 54	2:46.13 JEANNE R MITCHELL 51	3:15.13 SUE KELLY 50
1:09.89 BARBARA DUNBAR 49	1:06.72 TRISH KIMPER 51	2:47.54 RUTH Y SHAPS 50	3:16.16 MARY POHLMANN 53
1:11.17 NANCY-LEIG FISHER 46	200 YD FREESTYLE	2:48.13 MARY M POHLMANN 53	100 YD INDIVIDUAL MEDLEY
1:11.85 TERRY M GAULT 47	2:11.99 ARDETH MUELLER 94	2:50.45 JANE KATZ 54	1:08.59 DIANA TODD 94
1:12.02 SUSAN MARINZEL 45	2:14.09 F WILLIAMSON 50	2:50.63 CONSTANCE SASSER 51	1:13.16 SHERRY L PUTHOFF 50
200 YD BUTTERFLY	2:17.42 SALLY DILLON 51	2:50.99 ANDREA HAINES 50	1:14.16 DIANA TODD-TAFT 54
2:17.12 LAURA VAL 97	2:21.67 ANN B LYTTLE 50	2:53.57 CHRIS S WEBER 50	1:14.92 GINGER PIERSON 52
2:27.87 BARBARA DUNBAR 49	2:23.33 JACKIE MARR 54	2:54.45 SUZANNE DILLS 53	1:15.53 LYNN CARTEE 50
2:38.74 DENISE EVERITT 45	2:25.10 JUDY REED 54	50 YD BREASTSTROKE	1:15.55 BETTY BENNETT 54
2:40.02 DENISE M EVERITT 45	2:26.17 JOAN DIERCKS 50	34.89 DIANA TODD TAFT 94	1:16.02 F WILLIAMSON 50
2:41.91 R BRITTINGHAM 46	2:26.49 SUZANNE DILLS 53	36.44 GINGER L PIERSON 52	1:16.16 JACKIE MARR 54
2:45.06 CATHERINE QUILL 48	2:27.41 LYNN CARTEE 50	36.79 CHRISTIE HAYES 50	1:16.76 CHRISTIE HAYES 50
2:48.90 CHERYL FITZGERALD 45	2:30.01 RUTH R BENNETT 51	37.24 ELAINE BROMWICH 54	1:17.87 JUDY REED 54
3:03.00 LAURIE A FINKE 46	2:32.42 CHRISTINE ZIMMET 50	37.36 DALE I BARNHARD 50	1:18.78 DALE I BARNHARD 50
3:04.26 H CARLING-SMITH 47	500 YD FREESTYLE	37.95 DIANA TODD-TAFT 54	200 YD INDIVIDUAL MEDLEY
3:06.58 SUZANNE RAGUE 47	5:53.05 ARDETH MUELLER 92	38.26 LYNN CARTEE 50	2:32.49 ARDETH MUELLER 94
3:07.58 CONNIE LINDSEY 46	6:05.19 F WILLIAMSON 50	38.60 MARGOT PETTIJOHN 51	2:40.00 SHERRY L PUTHOFF 50
100 YD INDIVIDUAL MEDLEY	6:15.76 SALLY DILLON 51	38.90 SALLY DILLON 51	2:45.35 JACKIE MARR 54
1:03.83 LAURA VAL 97	6:26.29 SUZANNE DILLS 53	38.97 HEIDI BOERSTLER 51	2:45.71 BETTY BENNETT 54
1:04.56 LAURA B VAL 46	6:26.71 ANN B LYTTLE 50	39.05 CAROL A CARROLL 52	2:46.84 SUZANNE DILLS 53
1:04.88 DANIELL OGIER 45	6:31.80 JACKIE MARR 54	100 YD BREASTSTROKE	2:47.43 CHRISTIE HAYES 50
1:06.46 JOEL T FELDMAN 46	6:36.96 CHRISTIE HAYES 50	1:15.73 GINGER PIERSON 96	2:51.91 GINGER PIERSON 52
1:08.61 JONELLE G SCHMIDT 47	6:37.00 LYNN CARTEE 50	1:19.21 GINGER L PIERSON 52	2:52.15 CHRIS S WEBER 50
1:09.45 KRISSY MACCUDY 45	6:37.95 MARCY F WOODROW 54	1:21.02 CHRISTIE HAYES 50	2:52.97 DIANA TODD-TAFT 54
1:09.52 C STONESIFER 45	6:45.49 CHRISTINE ZIMMET 50	1:21.13 DALE I BARNHARD 50	2:54.11 JEAN A WOOD 50
1:09.81 DENISE KIRWAN 46	6:48.37 ELAINE BROMWICH 54	1:22.03 SALLY DILLON 51	2:54.30 CHRISTINE ZIMMET 50
1:10.11 HOLLY ELLISTON 45	1000 YD FREESTYLE	1:23.05 MARGOT PETTIJOHN 51	400 YD INDIVIDUAL MEDLEY
1:10.20 CELESTE MILLER 48	12:04.45 ARDETH MUELLER 94	1:24.94 SHERRY PUTHOFF 50	5:22.42 ARDETH MUELLER 92
1:10.43 EVELYN LYNCH 45	12:32.79 F WILLIAMSON 50	1:25.04 CAROL ANN CARROLL 52	5:52.19 JACKIE MARR 54
200 YD INDIVIDUAL MEDLEY	12:56.19 SALLY DILLON 51	1:25.09 DANIELA BARNEA 54	6:00.02 SUZANNE DILLS 53
2:20.44 LAURA VAL 98	13:12.22 JOAN DIERCKS 50	1:25.76 HEIDI BOERSTLER 51	6:04.37 CHRIS S WEBER 50
2:20.44 LAURA B VAL 46	13:15.71 SHARON WISE 51	1:26.18 MAUREEN KIKUT 53	6:06.44 JEAN A WOOD 50
2:21.36 DANIELL OGIER 45	13:38.42 ANN B LYTTLE 50	200 YD BREASTSTROKE	6:08.27 BETTY BENNETT 54
2:28.48 JONELLE G SCHMIDT 47	13:54.52 MARY M POHLMANN 53	2:45.26 GINGER PIERSON 96	6:12.98 JOAN DIERCKS 50
2:30.46 CELESTE MILLER 48	14:20.14 JOANNE MENARD 50	2:56.64 GINGER PIERSON 52	6:17.50 MARGOT PETTIJOHN 51
2:31.88 CATHERINE KOHN 45	14:32.72 JUDY GILLIES 50	3:00.00 MARGOT PETTIJOHN 51	6:18.39 MARY M POHLMANN 53
2:32.06 KRISSY MACCUDY 45	14:36.91 VICKI BUCCINO 52	3:03.10 DANIELA BARNEA 54	6:18.92 EDITH JACOBSEN 50
2:32.89 EVELYN LYNCH 45	14:54.63 WINIFRED S PRALL 50	3:03.55 SALLY DILLON 51	6:19.81 CHRISTINE ZIMMET 50
2:35.04 DENISE KIRWAN 46	1650 YD FREESTYLE	3:04.15 CAROL A CARROLL 52	
2:36.33 NANCY-LEIG FISHER 46	20:08.79 ARDETH MUELLER 92	3:07.02 CHRISTINE CLUM 52	WOMEN 55-59
2:37.72 DIANE ROTHENBERG 45	21:36.76 SALLY DILLON 51	3:08.27 JACKIE MARR 54	
400 YD INDIVIDUAL MEDLEY	22:51.76 MARCY F WOODROW 54	3:08.72 MAUREEN KIKUT 53	50 YD FREESTYLE
5:02.23 DANIELLE OGIER 98	24:24.41 ANN SVANSON 51	3:11.76 JEAN A WOOD 50	27.48 NANCY RIDOUT 98
5:02.23 DANIELL OGIER 45	24:29.64 CONDIT LOTZ 50	3:11.95 SHIRLEY J KING 51	27.48 NANCY J RIDOUT 56
5:21.48 BARBARA DUNBAR 49	24:33.29 SUSAN J ALLEN 53	50 YD BUTTERFLY	27.91 ARDETH MUELLER 56
5:23.07 NANCY-LEIG FISHER 46	24:33.98 VICKI BUCCINO 51	28.64 DIANA TODD TAFT 94	30.25 JAYNE LAMBKE 58
5:26.09 CATHERINE KOHN 45	25:02.51 JEAN A WOOD 50	29.74 CHRISTIE HAYES 50	30.67 BARBARA C FRID 56
5:39.37 DENISE M EVERITT 45	25:07.03 JENNIFER PARKS 54	30.93 DIANA TODD-TAFT 54	31.15 NANCY BROOKS 55
5:41.23 PRISCILL KAWAKAMI 47	25:23.58 WINIFRED PRALL 50	31.88 SHERRY L PUTHOFF 50	32.05 BETH SCHREINER 57
5:52.08 CHERYL FITZGERALD 45	25:30.80 PATRICIA BRUMMET 52	31.88 JUDY REED 54	32.76 NANCY MURPHY 55
6:00.48 SUE BLOOMFIELD 45	50 YD BACKSTROKE	32.17 RUTH Y SHAPS 50	32.78 PINKY WALKER 55
6:03.49 LAURIE GRUBBS 46	32.66 BETTY BENNETT 94	32.38 SANDI ROUSSEAU 50	33.03 CLAIRE O'BRIEN 58
6:03.79 CATHERINE QUILL 48	33.43 BETTY BENNETT 54	33.11 IRENE DAVID 54	33.29 LYNNE LUND 57
	34.36 RUTH Y SHAPS 50	33.27 GINGER L PIERSON 52	100 YD FREESTYLE
WOMEN 50-54	34.86 JEANNE R MITCHELL 51	33.29 F WILLIAMSON 50	1:01.79 NANCY RIDOUT 98
50 YD FREESTYLE	35.03 SHERRY PUTHOFF 50	33.80 B EDELMAIER 51	1:01.79 NANCY J RIDOUT 56
26.65 DIANA TODD 97	36.13 F WILLIAMSON 50	100 YD BUTTERFLY	1:02.68 ARDETH MUELLER 56
27.82 F WILLIAMSON 50	36.28 JUDY REED 54	1:05.69 ARDETH MUELLER 92	1:06.98 JAYNE M LAMBKE 58
28.18 JUDY REED 54	36.36 MARY M POHLMANN 53	1:10.25 DIANA TODD-TAFT 54	1:07.79 MARCY F WOODROW 55
	36.48 GINGER PIERSON 52	1:12.58 SHERRY L PUTHOFF 50	1:11.11 CLAIRE O'BRIEN 59

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1:11.83 NANCY MURPHY	55	2:34.80 BETSY JORDAN	92	3:17.94 SALLY A BOLAR	58	2:50.59 DORIS KLITZKE	62
1:11.89 BARBARA C FRID	56	2:48.56 JANE KATZ	55	3:22.13 SUSAN LIVINGSTON	59	2:51.56 MARGIE HEINEMAN	60
1:12.62 V REINIKAINEN	55	2:58.31 BARBARA C FRID	56	3:27.85 ELIZABETH JOHNSON	58	* 500 YD FREESTYLE	
1:12.78 BETH SCHREINER	57	3:04.86 LYNNE H K LUND	57	3:32.75 NANCY A STRETCH	58	6:22.62 LAVELLE STOINOFF	93
1:15.42 SALLY BOLAR	58	3:06.21 ELAINE BROMWICH	55	3:37.22 CLAIRE O'BRIEN	58	6:57.29 SUSAN BRADLEY-COX	60
* 200 YD FREESTYLE		3:06.38 PINKY WALKER	55	* 100 YD INDIVIDUAL MEDLEY		7:08.79 BETSY JORDAN	61
2:17.99 ARDETH MUELLER	98	3:07.65 JOANN LEILICH	58	1:12.56 JAYNE BRUNER	92	7:10.24 RONNIE KAMPHAUSEN	64
2:17.99 ARDETH R MUELLER	56	3:08.00 SUSAN LIVINGSTON	59	1:16.60 BARBARA C FRID	56	7:11.07 DIANE STOWELL	63
2:20.70 NANCY J RIDOUT	56	3:09.52 SUSAN L MUNN	59	1:20.03 JAYNE M LAMBKE	58	7:21.80 NANCY BROWN	62
2:30.19 JAYNE M LAMBKE	58	3:11.00 CEIL BLACKWELL	57	1:20.80 ELAINE BROMWICH	55	7:23.19 JEANNE LITTLE	61
2:35.18 CLAIRE O'BRIEN	59	3:12.05 CLAIRE O'BRIEN	58	1:21.62 JOANN LEILICH	58	7:26.92 BARBARA ZAREMSKI	60
2:37.48 SUSAN L MUNN	59	* 50 YD BREASTSTROKE		1:22.57 V REINIKAINEN	55	7:43.89 MARGIE HEINEMAN	60
2:38.83 V REINIKAINEN	55	35.16 JAYNE BRUNER	91	1:23.85 LYNNE LUND	57	7:44.34 BEVERLY J MYERS	62
2:41.46 AAGJE CARON	56	36.84 JOANN LEILICH	59	1:24.20 NANCY BROOKS	55	7:49.68 P TULLMAN	61
2:42.66 NANCY MURPHY	55	36.86 ELAINE BROMWICH	55	1:25.02 SUSAN L MUNN	59	* 1000 YD FREESTYLE	
2:45.36 JOANN LEILICH	59	39.54 NANCY BROOKS	55	1:25.17 PINKY WALKER	55	13:12.73 LAVELLE STOINOFF	93
2:46.63 SALLY A BOLAR	58	39.88 NANCY J RIDOUT	56	1:25.30 CEIL BLACKWELL	57	14:21.97 BETSY JORDAN	61
* 500 YD FREESTYLE		41.67 JUDY A BENDORF	58	* 200 YD INDIVIDUAL MEDLEY		14:24.63 NANCY BROWN	62
6:08.27 ARDETH MUELLER	98	42.07 ILONA SIKE	57	2:38.80 ARDETH MUELLER	98	14:31.25 DIANE STOWELL	63
6:08.27 ARDETH MUELLER	56	42.45 CAROLYN BEHSE	55	2:38.80 ARDETH R MUELLER	56	14:38.10 RONNIE KAMPHAUSEN	64
6:36.04 MARCY F WOODROW	55	43.05 SUSAN MEYERS	56	2:58.34 ELAINE BROMWICH	55	15:33.44 BARBARA ZAREMSKI	60
6:37.77 NANCY J RIDOUT	56	43.10 TITA ARNOLD	56	3:01.38 LYNNE LAMBKE	58	16:22.83 JUDY A KENNEDY	60
6:39.53 LYNNE LUND	57	43.20 ELIZABETH JOHNSON	58	3:02.00 JOANN LEILICH	59	16:30.23 DONNA MONROE	64
6:54.23 BARBARA C FRID	56	* 100 YD BREASTSTROKE		3:05.56 LYNNE LUND	57	16:34.27 JEAN GARBUS	63
6:57.36 CLAIRE O'BRIEN	59	1:18.52 JAYNE BRUNER	91	3:08.34 SUSAN MEYERS	56	16:40.97 TESSIE BRANSCOMB	62
6:58.37 JAYNE M LAMBKE	58	1:20.95 JOANN LEILICH	59	3:11.62 ELIZABETH JOHNSON	58	16:47.20 CAROL W LOWENGRUB	61
7:07.46 SUSAN L MUNN	59	1:21.90 ELAINE BROMWICH	55	3:12.43 CLAIRE O'BRIEN	59	* 1650 YD FREESTYLE	
7:14.49 AAGJE CARON	56	1:25.56 NANCY BROOKS	55	3:14.05 MARGIT JEBE	59	22:13.13 LAVELLE STOINOFF	93
7:20.57 JOANN LEILICH	59	1:30.95 CAROLYN BEHSE	55	3:14.13 PINKY WALKER	55	24:02.69 SUSAN BRADLEY-COX	60
* 1000 YD FREESTYLE		1:31.25 ILONA SIKE	57	* 400 YD INDIVIDUAL MEDLEY		24:27.10 NANCY BROWN	62
12:35.79 ARDETH MUELLER	98	1:32.09 V REINIKAINEN	55	5:39.55 ARDETH MUELLER	98	24:33.41 BETSY JORDAN	61
12:35.79 ARDETH R MUELLER	56	1:33.19 ELIZABETH JOHNSON	58	5:39.55 ARDETH MUELLER	56	24:33.54 PAT GRANT	61
13:57.30 BARBARA C FRID	56	1:33.62 FRANCESCA DRUM	56	6:07.40 ELAINE BROMWICH	55	25:57.63 JEANNE LITTLE	61
14:33.58 JAYNE LAMBKE	58	1:34.05 JUDY A BENDORF	58	6:21.77 JOANN LEILICH	59	26:03.96 BARBARA ZAREMSKI	60
14:34.07 CLAIRE O'BRIEN	59	1:34.60 AAGJE A CARON	56	6:27.00 SUSAN L MUNN	59	26:46.59 TESSIE BRANSCOMB	62
14:56.05 SUSAN LIVINGSTON	59	* 200 YD BREASTSTROKE		6:28.80 BETSY DURRANT	56	27:36.40 DONNA MONROE	64
15:33.93 NANCY MURPHY	55	2:55.48 JOANN LEILICH	97	6:35.28 LYNNE LUND	57	27:49.69 KATE KNIGHT-PERRY	62
15:45.97 SANDRA G KINGDON	59	2:55.47 ELAINE BROMWICH	55NV	6:39.85 SUSAN LIVINGSTON	59	29:36.83 FRANCES MCINTOSH	64
15:59.10 MARGIT JEBE	59	2:58.32 JOANN LEILICH	59	6:40.14 PINKY WALKER	55	* 50 YD BACKSTROKE	
16:32.14 BOBBIE BRADEN	56	3:11.08 CAROLYN BEHSE	55	6:41.24 CAROLYN BEHSE	55	34.16 BETSY JORDAN	98
16:39.31 JOAN LIBBY	56	3:11.96 NANCY BROOKS	55	6:42.23 CLAIRE O'BRIEN	58	34.16 BETSY JORDAN	61
* 1650 YD FREESTYLE		3:16.78 ILONA SIKE	57			38.39 DORIS KLITZKE	62
21:22.63 LAVELLE STOINOFF	89	3:18.12 FRANCESCA DRUM	56	<u>WOMEN 60-64</u>		38.96 NANCY BROWN	61
21:12.25 ARDETH MUELLER	56NV	3:18.98 TITA ARNOLD	56	* 50 YD FREESTYLE		39.15 ANN KAY	64
22:41.28 MARCY F WOODROW	55	3:20.55 ELIZABETH JOHNSON	58	28.79 JAYNE BRUNER	95	39.54 BEVERLY J MYERS	62
22:47.98 NANCY J RIDOUT	56	3:21.35 AAGJE A CARON	56	30.40 JAYNE BRUNER	63	40.46 SUZANNE E ROBBINS	64
23:19.97 ELAINE BROMWICH	55	3:23.53 LYNNE LUND	57	30.84 JOHNNIE DETRICK	62	40.47 SUE STRALEY	61
23:37.44 CLAIRE O'BRIEN	59	* 50 YD BUTTERFLY		31.67 BARBARA ZAREMSKI	60	41.01 DOROTHY WHITEHEAD	63
23:42.28 SUSAN L MUNN	59	29.73 ARDETH MUELLER	98	31.67 BARBARA ZAREMSKI	60	41.40 BARBARA SEATON	60
24:00.54 V REINIKAINEN	55	29.73 ARDETH R MUELLER	56	31.82 SALLY NEWELL	60	41.62 JUDY A KENNEDY	60
25:42.00 NANCY MURPHY	55	31.78 NANCY J RIDOUT	56	32.23 RONNIE KAMPHAUSEN	64	* 100 YD BACKSTROKE	
25:59.77 ELIZABETH JOHNSON	58	32.44 BARBARA C FRID	56	32.44 JEANNE LITTLE	60	1:15.64 BETSY JORDAN	97
26:04.16 SUSAN LIVINGSTON	59	34.46 JAYNE M LAMBKE	58	32.53 SUSAN BRADLEY-COX	60	1:17.63 BETSY JORDAN	61
* 50 YD BACKSTROKE		34.73 MARCY F WOODROW	55	32.58 BETSY JORDAN	61	1:23.68 NANCY BROWN	62
32.97 BETSY JORDAN	93	36.31 LYNNE H K LUND	57	33.01 DORIS KLITZKE	62	1:24.74 BEVERLY J MYERS	62
35.73 BARBARA C FRID	56	36.87 V REINIKAINEN	55	33.01 ANN KAY	64	1:24.89 ANN KAY	64
36.76 LYNNE H K LUND	57	37.82 JUDY A BENDORF	58	* 100 YD FREESTYLE		1:27.41 DORIS KLITZKE	62
36.98 JANE KATZ	55	39.26 SALLY BOLAR	58	1:04.87 JAYNE BRUNER	97	1:28.70 BARBARA ZAREMSKI	60
37.32 PINKY WALKER	55	39.95 PINKY WALKER	55	1:10.60 JOHNNIE DETRICK	61	1:29.74 RONNIE KAMPHAUSEN	64
38.63 NANCY MURPHY	55	* 100 YD BUTTERFLY		1:11.29 SUSAN BRADLEY-COX	60	1:29.83 SUE STRALEY	61
39.44 NANCY BROOKS	55	1:10.41 ARDETH MUELLER	98	1:11.69 JAYNE BRUNER	63	1:30.52 DOROTHY WHITEHEAD	63
39.52 CLAIRE O'BRIEN	59	1:10.41 ARDETH R MUELLER	56	1:12.38 RONNIE KAMPHAUSEN	64	1:30.65 JUDY A KENNEDY	60
39.76 JAYNE LAMBKE	58	1:24.14 MARCY F WOODROW	55	1:12.64 BARBARA ZAREMSKI	60	* 200 YD BACKSTROKE	
40.00 SUSAN LIVINGSTON	59	1:24.81 JAYNE LAMBKE	58	1:12.64 DIANE STOWELL	63	2:42.86 BETSY JORDAN	97
40.47 CEIL BLACKWELL	57	1:25.24 LYNNE H K LUND	57	1:13.17 NANCY BROWN	61	2:51.42 BETSY JORDAN	61
* 100 YD BACKSTROKE		1:26.67 ELAINE BROMWICH	55	1:14.09 BETSY JORDAN	61	3:07.90 ANN KAY	64
1:11.11 BETSY JORDAN	92	1:29.61 JOANN LEILICH	59	1:14.31 DORIS KLITZKE	62	3:08.27 DIANE STOWELL	63
1:18.20 JANE KATZ	55	1:29.81 SALLY A BOLAR	55	1:14.34 SALLY NEWELL	60	3:08.62 NANCY BROWN	62
1:19.46 BARBARA C FRID	56	1:31.77 CAROLYN BEHSE	58	* 200 YD FREESTYLE		3:12.78 RONNIE KAMPHAUSEN	64
1:23.94 PINKY WALKER	55	1:32.10 SUSAN LIVINGSTON	59	2:25.85 LAVELLE STOINOFF	95	3:15.56 JUDY A KENNEDY	60
1:25.73 LYNNE H K LUND	57	1:35.52 SANDY S ETNYRE	56	2:34.86 SUSAN BRADLEY-COX	60	3:16.27 DORIS KLITZKE	62
1:26.94 NANCY MURPHY	55	* 200 YD BUTTERFLY		2:40.45 RONNIE KAMPHAUSEN	64	3:28.79 PATRICIA TULLMAN	60
1:27.17 JUDY MARTIN	55	2:40.80 ARDETH MUELLER	98	2:40.61 NANCY BROWN	62	3:30.02 SUZANNE E ROBBINS	64
1:27.27 SUSAN LIVINGSTON	59	2:40.80 ARDETH R MUELLER	56	2:41.96 BETSY JORDAN	61	3:40.22 DORIS PROKOPI	62
1:27.63 CEIL BLACKWELL	57	3:11.79 CAROLYN BEHSE	55	2:42.86 DIANE STOWELL	63	* 50 YD BREASTSTROKE	
1:28.83 CLAIRE O'BRIEN	58	3:12.55 LYNNE H K LUND	57	2:48.36 BEVERLY J MYERS	62	36.88 JAYNE BRUNER	96
1:28.88 ELAINE BROMWICH	55	3:14.44 ELAINE BROMWICH	55	2:49.42 ANNE MCGUIRE	63	39.27 JAYNE BRUNER	63
* 200 YD BACKSTROKE		3:15.79 JOANN LEILICH	59	2:50.06 JOHNNIE DETRICK	62	39.37 SALLY NEWELL	60

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

40.90 JOHNNIE DETRICK 62	1:28.86 SUE STRALEY 61	13:54.83 LAVELLE STOINOFF 65	1:43.14 CAROL FERGUSON 66
41.42 MARGIE HEINEMAN 60	200 YD INDIVIDUAL MEDLEY 97	15:56.73 LIDA GASCHKE 66	1:44.53 BARBARA CALLISON 65
42.35 BEVERLY J MYERS 62	2:50.10 JAYNE BRUNER 61	16:15.21 JOAN K CAMPBELL 68	1:45.18 LIDA GASCHKE 65
42.73 ANNE MCGUIRE 63	2:55.34 BETSY JORDAN 61	17:51.04 CAROL TAYLOR 68	1:47.05 MICKEY SHOCKLEY 69
43.30 JACQUELYN PIPER 60	3:02.45 BEVERLY J MYERS 62	17:51.34 LAURINE SCHULER 67	200 YD BREASTSTROKE 93
43.35 SUSANNE SCHUMANN 60	3:06.09 DIANE STOWELL 63	18:08.56 ANNA MAY CONA 67	3:15.96 CLARA WALKER 65
43.93 BETSY JORDAN 60	3:08.33 NANCY BROWN 62	18:14.03 RUTH AARON 69	3:20.79 LAVELLE STOINOFF 65
44.52 IDA SMITH 64	3:09.23 SUSAN BRADLEY-COX 60	18:22.55 PEGGY BUCHANNAN 65	3:21.18 ANN M HIRSCH 67
100 YD BREASTSTROKE 96	3:12.73 RONNIE KAMPHAUSEN 64	18:31.62 RUTH FARNHAM 68	3:21.72 LILLY KRON 66
1:23.27 JAYNE BRUNER 60	3:16.33 ANNE MCGUIRE 63	18:38.33 FRANCES HAYWOOD 66	3:31.90 SYLVIA EISELE 68
1:27.68 SALLY NEWELL 60	3:22.45 JEAN GARBUS 63	1650 YD FREESTYLE 98	3:33.44 CAROL P TAYLOR 68
1:29.61 JOHNNIE DETRICK 62	3:28.97 CAROL J REINKE 61	23:09.53 LAVELLE STOINOFF 65	3:39.68 BARBARA CALLISON 65
1:29.96 JAYNE BRUNER 63	3:37.18 JEAN M STERLING 61	23:09.53 LAVELLE STOINOFF 65	3:43.87 JOAN E ALEXANDER 66
1:31.81 BEVERLY MYERS 62	400 YD INDIVIDUAL MEDLEY 97	26:33.78 LIDA A GASCHKE 66	3:52.06 MICKEY SHOCKLEY 69
1:32.99 ANNE MCGUIRE 63	6:12.27 BETSY JORDAN 61	27:03.54 JOAN CAMPBELL 67	3:55.24 JOAN K CAMPBELL 68
1:33.84 MARGIE HEINEMAN 60	6:23.04 BETSY JORDAN 61	29:06.58 MARGARET HOMANS 65	3:56.43 BARBARA OWENS 68
1:34.04 DIANE STOWELL 63	6:31.84 NANCY BROWN 62	29:20.37 RUTH AARON 69	50 YD BUTTERFLY 96
1:34.80 JACQUELYN PIPER 61	6:55.24 BARBARA ZAREMSKI 60	29:28.38 BARBARA JOHNSON 65	34.45 GAIL ROPER 65
1:36.72 SUSANNE SCHUMANN 60	7:10.65 JOHNNIE DETRICK 62	29:50.20 PARKIE COPELAND 68	39.90 BARBARA CALLISON 65
1:37.92 SANDRA L KREMER 62	7:33.37 ANNE B MCGUIRE 63	30:26.82 MARTY BARRY 65	42.73 JOAN E ALEXANDER 66
200 YD BREASTSTROKE 96	7:37.00 PATRICIA TULLMAN 60	31:05.52 JILL COLEMAN 67	42.77 SYLVIA EISELE 68
3:03.44 JAYNE BRUNER 63	7:41.73 JEAN M STERLING 61	31:47.78 ANNA MAY CONA 67	43.41 CAROL P TAYLOR 68
3:14.99 JAYNE BRUNER 62	7:43.48 CAROL A REQUADT 60	50 YD BACKSTROKE 92	44.10 EDIE GRUENDER 69
3:18.01 BEVERLY J MYERS 60	7:44.86 DORIS PROKOPI 62	36.03 CLARA WALKER 68	44.89 LAVELLE STOINOFF 65
3:19.39 SALLY NEWELL 60	7:47.97 DONNA MONROE 64	40.79 LAVELLE STOINOFF 65	45.21 ANN M HIRSCH 67
3:19.44 DIANE STOWELL 63		43.27 BARBARA JACKSON 68	45.52 BARBARA JOHNSON 65
3:24.98 MARGIE HEINEMAN 60	WOMEN 65-69	44.02 PHILLIS WILSON 65	46.10 PHILLIS J WILSON 65
3:27.71 JOHNNIE DETRICK 62		44.09 JUDY CHADIMA 68	46.67 MICKEY SHOCKLEY 69
3:30.90 SUSANNE SCHUMANN 60	50 YD FREESTYLE 97	44.28 SYLVIA EISELE 68	100 YD BUTTERFLY 96
3:33.19 CAROL J REINKE 61	30.45 GAIL ROPER 65	45.24 MARIA YUNGEL 65	1:23.49 GAIL ROPER 65
3:34.01 JACQUELYN PIPER 61	32.86 LAVELLE STOINOFF 67	45.26 ANN M HIRSCH 66	1:36.78 BARBARA CALLISON 67
3:34.82 BETSY JORDAN 61	33.71 DIANE REED 67	45.38 LIDA GASCHKE 67	1:37.74 ANN M HIRSCH 68
50 YD BUTTERFLY 95	34.32 BARBARA CALLISON 66	45.96 DIANE REED 67	1:38.92 CAROL P TAYLOR 68
33.07 JAYNE BRUNER 63	34.45 LIDA GASCHKE 65	46.89 IRMA I REIMER 65	1:40.16 SYLVIA EISELE 66
35.97 JAYNE BRUNER 64	34.92 BARBARA JOHNSON 65	100 YD BACKSTROKE 94	1:40.26 JOAN E ALEXANDER 69
36.23 BETSY JORDAN 60	35.91 KATHIE THEIS 65	1:21.36 CLARA WALKER 65	1:45.84 EDIE GRUENDER 67
36.88 RONNIE KAMPHAUSEN 64	36.69 JUDY CHADIMA 68	1:25.86 LAVELLE STOINOFF 68	1:48.00 JILL COLEMAN 65
37.05 JEANNE LITTLE 60	37.06 FRANCES HAYWOOD 66	1:33.28 BARBARA JACKSON 67	1:48.93 BARBARA JOHNSON 65
37.33 ANN KAY 63	37.14 CAROL FERGUSON 66	1:36.15 ANN M HIRSCH 67	1:50.66 PHILLIS WILSON 65
37.59 BEVERLY J MYERS 61	37.31 MARGARET HOMANS 65	1:36.30 JUDY CHADIMA 68	1:52.77 ANN DALLAM 67
38.46 NANCY BROWN 60	100 YD FREESTYLE 96	1:38.03 PHILLIS WILSON 65	200 YD BUTTERFLY 94
38.47 MARGIE HEINEMAN 62	1:08.78 GAIL ROPER 65	1:38.10 JILL COLEMAN 68	3:11.22 JUNE KRAUSER 68
38.86 DORIS KLITZKE 60	1:10.90 LAVELLE STOINOFF 67	1:38.49 SYLVIA EISELE 69	3:40.35 SYLVIA EISELE 66
41.52 DOTTIE BANTA 60	1:15.06 DIANE REED 66	1:39.28 NANCY MACBETH 69	3:49.16 LILLY KRON 66
100 YD BUTTERFLY 96	1:17.34 LIDA A GASCHKE 65	1:39.46 BARBARA CALLISON 65	3:53.06 JOAN E ALEXANDER 66
1:18.64 JAYNE BRUNER 61	1:19.67 BARBARA CALLISON 67	1:40.92 MARIA YUNGEL 65	3:59.16 JOAN K CAMPBELL 68
1:27.41 BETSY JORDAN 61	1:23.05 ANN M HIRSCH 68	200 YD BACKSTROKE 98	4:03.51 JILL COLEMAN 67
1:32.77 NANCY BROWN 62	1:23.68 JUDY CHADIMA 68	2:58.14 LAVELLE STOINOFF 65	4:23.66 NANCY MEISSNER 65
1:33.02 DORIS KLITZKE 64	1:25.07 JOAN K CAMPBELL 67	2:58.14 LAVELLE STOINOFF 65	4:36.22 ANN DALLAM 69
1:35.08 RONNIE KAMPHAUSEN 60	1:25.80 LAURINE SCHULER 67	3:20.26 NANCY MACBETH 69	4:51.28 ELFRIEDE A ROGERS 68
1:42.66 PATRICIA TULLMAN 63	1:26.53 FRANCES HAYWOOD 66	3:24.63 BARBARA JACKSON 68	5:11.96 ANN MARTIN 69
1:43.46 ANNE MCGUIRE 60	1:26.63 CAROL FERGUSON 66	3:27.23 SYLVIA EISELE 68	5:35.26 JOAN MCINTYRE 69
1:44.45 BARBARA ZAREMSKI 60	200 YD FREESTYLE 98	3:28.20 BARBARA CALLISON 67	100 YD INDIVIDUAL MEDLEY 96
1:46.58 JUDY A KENNEDY 63	2:32.93 LAVELLE STOINOFF 65	3:30.82 JILL COLEMAN 65	1:19.21 GAIL ROPER 65
1:48.29 SHIRLEY A BEHELER 63	2:32.93 LAVELLE STOINOFF 66	3:32.10 PHILLIS J WILSON 67	1:26.31 LAVELLE STOINOFF 67
1:49.24 JANET MOELLER 63	2:51.19 DIANE REED 66	3:34.83 ANN M HIRSCH 67	1:30.34 ANN M HIRSCH 65
200 YD BUTTERFLY 96	2:53.87 LIDA A GASCHKE 65	3:35.91 JOAN CAMPBELL 67	1:30.43 LIDA GASCHKE 69
3:06.99 NANCY BROWN 61	2:58.38 BARBARA CALLISON 67	3:38.95 JUDY CHADIMA 68	1:31.39 NANCY MACBETH 65
3:16.35 BETSY JORDAN 62	3:00.22 ANN M HIRSCH 67	50 YD BREASTSTROKE 93	1:31.70 BARBARA CALLISON 67
3:22.90 NANCY BROWN 61	3:02.03 JOAN CAMPBELL 68	40.79 CLARA WALKER 68	1:35.03 DIANE REED 66
3:45.36 JEANNE LITTLE3 61	3:02.78 JUDY CHADIMA 65	42.27 SYLVIA EISELE 68	1:39.44 JOAN E ALEXANDER 68
3:52.84 P TULLMAN 63	3:09.83 MARGARET HOMANS 68	42.53 CAROL P TAYLOR 67	1:39.87 BARBARA JACKSON 67
3:55.03 ANNE B MCGUIRE 60	3:14.32 CAROL TAYLOR 68	42.58 ANN M HIRSCH 66	1:40.79 JILL COLEMAN 65
3:55.97 JUDY KENNEDY 61	3:15.12 BARBARA JOHNSON 65	43.07 LILLY KRON 65	1:40.98 PHILLIS J WILSON 65
4:17.67 JANET MOELLER 61	500 YD FREESTYLE 98	45.08 IRMA I REIMER 65	200 YD INDIVIDUAL MEDLEY 92
4:25.51 CAROL W LOWENGRUB 62	6:45.03 LAVELLE STOINOFF 65	45.54 LAVELLE STOINOFF 66	2:54.51 CLARA WALKER 65
4:40.92 MARIANNE BROGAN 62	6:45.03 LAVELLE STOINOFF 65	46.44 LIDA A GASCHKE 66	3:17.65 BARBARA CALLISON 69
100 YD INDIVIDUAL MEDLEY 97	7:33.26 MARTY BARRY 66	47.86 CAROL FERGUSON 65	3:18.35 NANCY MACBETH 67
1:16.66 JAYNE BRUNER 63	7:43.11 LIDA A GASCHKE 67	47.89 BARBARA CALLISON 65	3:20.84 ANN M HIRSCH 66
1:21.55 JAYNE BRUNER 61	7:43.30 DIANE REED 67	48.60 MICKEY SHOCKLEY 68	3:30.77 LILLY KRON 68
1:21.73 BETSY JORDAN 62	7:58.44 ANN M HIRSCH 68	100 YD BREASTSTROKE 93	3:31.04 SYLVIA EISELE 69
1:23.75 BEVERLY J MYERS 61	8:01.22 JOAN K CAMPBELL 65	1:29.00 CLARA WALKER 67	3:35.75 EDIE GRUENDER 66
1:24.85 NANCY BROWN 62	8:01.27 BARBARA CALLISON 68	1:33.29 ANN M HIRSCH 66	3:36.02 DIANE REED 66
1:25.60 DORIS KLITZKE 64	8:15.17 CAROL TAYLOR 65	1:33.68 LILLY KRON 68	3:36.82 JOAN E ALEXANDER 67
1:25.77 RONNIE KAMPHAUSEN 63	8:15.61 MARIA YUNGEL 65	1:35.40 CAROL P TAYLOR 68	3:39.20 JILL COLEMAN 68
1:26.60 DIANE STOWELL 64	8:24.54 BARBARA JOHNSON 65	1:35.99 SYLVIA EISELE 65	3:40.07 JOAN K CAMPBELL 68
1:26.80 ANN KAY 60	1000 YD FREESTYLE 98	1:36.95 LAVELLE STOINOFF 65	400 YD INDIVIDUAL MEDLEY 93
1:28.51 MARGIE HEINEMAN 60	13:54.83 LAVELLE STOINOFF 65	1:40.70 IRMA I REIMER 65	6:24.09 CLARA WALKER 65

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

1:53.59 NANCY PHILLIPS 76	▪ 200 YD BUTTERFLY	8:57.30 MARJORIE W SHARPE 81	2:52.86 HILDA G BUEL 84
1:54.24 RITA EVANS 78	4:19.43 MAXINE MERLINO 88	9:51.82 LOUISE DONOVAN 80	3:00.21 JEAN K CHENAUX 84
1:57.43 SUE MARVEL 78	4:34.82 JAE HOWELL 75	10:24.56 MARIA LENK ZIGLER 83	4:04.10 BETTY TAYLOR 82
1:58.75 J MERRYMAN 75	4:36.06 DIANA SILVA 76	10:26.07 NATE L O'CONNELL 81	4:45.58 FRANCES BELL 80
2:01.70 ANNELIESE EIBL 77	7:05.81 ZADA W TAFT 78	10:59.67 MARIE WICKLUN 83	▪ 200 YD BREASTSTROKE
2:02.73 MARY STADIG 76	8:24.49 ELFIE STEVENIN 76	11:26.20 JEAN K CHENAUX 84	4:42.55 JEAN DURSTON 96
2:03.85 A ZYDINSKY 75	▪ 100 YD INDIVIDUAL MEDLEY	11:41.41 MARGARET NAGLE 81	4:52.46 MARIA LENK ZIGLER 83
2:04.00 JAE HOWELL 75	1:43.76 GERTRUD ZINT 93	12:25.87 IVY V BROWNE 83	4:55.48 KAY SCHIMPF 80
▪ 200 YD BACKSTROKE	1:46.39 DOROTHY DONNELLY 76	12:51.62 MARY LATHRAM 82	5:13.55 SALLY JOY 81
3:40.27 DIANA SILVA 97	1:55.52 DIANA SILVA 75	14:04.53 MARTHA FORSTER 80	5:28.81 MARY JAMES REEVES 80
3:44.65 MARGERY MEYER 75	1:58.03 NANCY PHILLIPS 77	▪ 1000 YD FREESTYLE	6:18.10 PAT MATTHIESEN 81
3:48.03 BUNNY CEDERLUND 76	1:59.09 MURIEL FLYNN 75	18:40.62 MARJORIE SHARPE 97	▪ 50 YD BUTTERFLY
4:01.29 RITA EVANS 78	1:59.70 JAE HOWELL 75	18:47.03 MARJORIE SHARPE 81	56.60 MARIA LENK 95
4:10.82 NANCY PHILLIPS 77	2:00.75 MARINNA BERKLEY 75	21:10.15 JEAN D DURSTON 83	1:00.47 SALLY JOY 81
4:11.92 SUE MARVEL 78	2:03.51 RITA D EVANS 78	23:17.33 ANNE WALKER 81	1:00.84 JEAN D DURSTON 83
4:13.74 ANNELIESE EIBL 77	2:03.84 PAULINE STANGEL 76	27:01.96 MARY LATHRAM 82	1:02.27 KAY SCHIMPF 80
4:19.98 JAE HOWELL 75	2:07.23 SUE MCGAUGHEY 76	28:08.56 MARTHA FORSTER 80	1:17.12 PAT MATTHIESEN 81
4:23.42 JEANNE MERRYMAN 75	2:11.34 DORIS PETERS 75	36:33.49 ROSE STEWARD 80	1:28.07 ROBERTA C SUGDEN 81
4:29.09 JEAN ZULICH 77	▪ 200 YD INDIVIDUAL MEDLEY	42:55.50 MARIJANE TORJESEN 80	▪ 100 YD BUTTERFLY
4:31.86 MAURINE KORNFELD 76	3:52.62 GERTRUD ZINT 94	▪ 1650 YD FREESTYLE	2:11.60 JEAN DURSTON 95
▪ 50 YD BREASTSTROKE	3:57.53 DOROTHY DONNELLY 76	31:00.08 MARJORIE SHARPE 98	2:18.64 KAY SCHIMPF 80
48.53 GERTRUD ZINT 93	4:17.16 JAE HOWELL 75	31:00.08 MARJORIE W SHARPE 81	2:19.20 JEAN D DURSTON 83
52.73 JAE HOWELL 75	4:17.40 MURIEL FLYNN 75	34:25.22 JEAN D DURSTON 83	2:55.16 PAT MATTHIESEN 81
54.30 MURIEL FLYNN 75	4:20.81 JUNE REYNOLDS 75	39:02.07 MARY JAMES REEVES 80	3:19.48 HILDA G BUEL 84
56.63 RITA SIMONTON 79	4:26.88 MARIANNA BERKLEY 75	43:00.04 MARY LATHRAM 82	9:48.06 IVY V BROWNE 82
57.05 PAULINE STANGEL 76	4:31.48 MARY WIXTED 75	▪ 50 YD BACKSTROKE	▪ 200 YD BUTTERFLY
58.39 MARINNA BERKLEY 75	4:42.93 SYLVIA H HILL 76	50.64 MARIE WICKLUN 94	4:40.17 JEAN DURSTON 95
58.58 EDITH S GLUSAC 79	4:49.22 AGOTA FROHS 78	51.36 MARJORIE W SHARPE 81	5:08.63 JEAN D DURSTON 83
59.53 DOROTHY DONNELLY 76	4:53.32 SUE MCGAUGHEY 76	51.90 ANNE I WALKER 82	▪ 100 YD INDIVIDUAL MEDLEY
1:02.39 ANNELIESE EIBL 77	4:57.31 JEAN ZULICH 77	53.88 AUDREY H ETIENNE 81	1:53.57 MARIA LENK 95
1:02.59 MARY WIXTED 75	▪ 400 YD INDIVIDUAL MEDLEY	54.08 MARIE WICKLUN 84	1:55.68 LINK ZIGLER 83
1:04.00 J MERRYMAN 75	8:10.40 MAXINE MERLINO 88	55.89 NATE O'CONNELL 81	2:02.73 JEAN D DURSTON 83
▪ 100 YD BREASTSTROKE	8:47.98 JAE HOWELL 75	58.31 GERTRUD ZINT 80	2:04.80 AUDREY H ETIENNE 81
1:49.55 GERTRUD ZINT 93	10:11.68 AGOTA FROHS 78	58.41 LOUISE DONOVAN 80	2:06.84 SALLY JOY 81
1:58.60 MURIEL FLYNN 75	11:14.33 EDITH S GLUSAC 79	59.65 JEAN D DURSTON 83	2:09.43 KAY SCHIMPF 80
2:01.09 JAE HOWELL 75	12:18.78 ZADA W TAFT 78	59.79 MARY LATHRAM 82	2:12.64 GERTRUD ZINT 80
2:05.28 MARINNA BERKLEY 75	13:28.87 ELFIE STEVENIN 76	1:01.09 SALLY JOY 80	2:24.26 MARY JAMES REEVES 80
2:06.18 RITA SIMONTON 79		▪ 100 YD BACKSTROKE	2:41.52 JO LACY 80
2:09.04 PAULINE STANGEL 76	WOMEN 80-84	1:49.26 MARJORIE SHARPE 97	2:51.76 ROBERTA C SUGDEN 81
2:10.66 AGOTA FROHS 78	▪ 50 YD FREESTYLE	1:52.16 MARJORIE W SHARPE 81	3:43.04 BETTY TAYLOR 82
2:15.43 MARY WIXTED 75	41.32 MARJORIE SHARPE 97	1:54.08 MARIA LENK ZIGLER 83	▪ 200 YD INDIVIDUAL MEDLEY
2:15.87 EDITH S GLUSAC 79	41.88 MARJORIE W SHARPE 81	1:54.86 ANNE I WALKER 82	4:14.08 MARIA LENK 95
2:17.42 ANNELIESE EIBL 77	41.93 AUDREY H ETIENNE 81	2:01.46 AUDREY H ETIENNE 81	4:32.37 JEAN D DURSTON 83
2:28.00 DORIS PETERS 75	43.16 LOUISE DONOVAN 80	2:01.67 MARIE WICKLUN 84	4:45.18 KAY SCHIMPF 80
▪ 200 YD BREASTSTROKE	45.55 MARGARET NAGLE 80	2:13.18 MARY LATHRAM 82	5:35.20 PAT MATTHIESEN 81
4:04.18 RITA SIMONTON 94	45.98 ANNE I WALKER 82	2:14.30 SALLY JOY 81	6:19.67 HILDA G BUEL 84
4:21.34 MURIEL FLYNN 75	49.57 JEAN D DURSTON 83	2:19.22 JO LACY 80	6:27.05 ROBERTA C SUGDEN 81
4:24.41 RITA SIMONTON 79	49.71 NATE O'CONNELL 81	2:20.14 KAY SCHIMPF 80	▪ 400 YD INDIVIDUAL MEDLEY
4:25.77 JAE HOWELL 75	50.52 MARIE WICKLUN 84	2:24.85 IVY V BROWNE 83	8:59.27 JEAN DURSTON 95
4:43.80 MARIANNA BERKLEY 75	51.13 SALLY JOY 80	▪ 200 YD BACKSTROKE	9:29.78 JEAN D DURSTON 83
4:44.21 AGOTA FROHS 78	51.84 PAT MATTHIESEN 81	3:51.12 MARIE WICKLUN 94	
4:45.39 PAULINE STANGEL 76	▪ 100 YD FREESTYLE	3:54.08 MARJORIE W SHARPE 81	WOMEN 85-89
5:00.64 ANNELIESE EIBL 77	1:31.90 MARJORIE SHARPE 97	4:03.59 MARIA LENK ZIGLER 83	▪ 50 YD FREESTYLE
5:08.82 EDITH S GLUSAC 79	1:32.28 MARJORIE W SHARPE 81	4:16.82 ANNE WALKER 82	45.72 JULIA DOLCE 95
5:21.29 GERTRUDE BOX 76	1:39.67 LOUISE DONOVAN 80	4:20.21 MARIE WICKLUN 84	50.83 JULIA DOLCE 88
5:52.19 LIVIA WALKER 75	1:42.33 AUDREY H ETIENNE 81	4:32.07 JEAN D DURSTON 83	50.90 MARIE KELLEHER 85
▪ 50 YD BUTTERFLY	1:42.65 ANNE I WALKER 82	4:46.90 MARY LATHRAM 82	1:03.97 EDITH HENDRY 87
47.97 GERTRUD ZINT 93	1:44.47 NATE L O'CONNELL 81	4:50.18 SALLY JOY 80	1:05.54 PEARL SOBEL 86
50.61 DIANA SILVA 75	1:50.26 JEAN D DURSTON 83	4:53.95 JO LACY 80	1:07.42 ELLEN TAIT 87
53.05 DORIS RUSSELL 77	1:53.54 MARGARET NAGLE 80	5:12.05 PAT MATTHIESEN 81	1:08.11 MADELEINE MILLER 87
54.03 NANCY PHILLIPS 76	1:59.17 KAY SCHIMPF 80	5:21.29 IVY V BROWNE 83	1:12.72 OLGA JAGGERS 85
55.07 DOROTHY DONNELLY 76	2:00.66 JEAN K CHENAUX 84	▪ 50 YD BREASTSTROKE	1:14.20 HELEN OFFENHAUSER 85
55.71 MURIEL FLYNN 75	2:05.87 IVY V BROWNE 83	57.72 SALLY JOY 97	1:20.83 SALLY A RYCKMAN 86
57.77 MARGERY MEYER 75	▪ 200 YD FREESTYLE	58.29 SALLY JOY 81	1:23.85 HEDY PULLMAN 86
1:00.22 JEAN ZULICH 77	3:22.99 MARJORIE SHARPE 97	1:01.49 KAY SCHIMPF 80	▪ 100 YD FREESTYLE
1:00.50 SUE MCGAUGHEY 76	3:26.08 MARJORIE W SHARPE 81	1:04.87 JEAN D DURSTON 83	1:45.80 JULIA DOLCE 95
1:02.93 PAULINE STANGEL 76	3:42.06 LOUISE DONOVAN 80	1:05.36 NATE L O'CONNELL 81	2:00.55 JULIA DOLCE 88
1:04.36 MARY WIXTED 75	3:59.65 MARIA LENK ZIGLER 83	1:05.79 AUDREY H ETIENNE 81	2:03.17 MARIE K KELLEHER 85
▪ 100 YD BUTTERFLY	4:01.08 ANNE I WALKER 82	1:08.64 MARGARET E NAGLE 81	2:03.51 EVA MULLER 85
1:56.16 DIANA SILVA 97	4:03.33 MARIE WICKLUN 84	1:09.36 PAT MATTHIESEN 81	2:30.58 EDITH HENDRY 87
2:00.81 DIANA SILVA 76	4:03.51 JEAN D DURSTON 83	1:18.26 JEAN K CHENAUX 84	2:35.28 ELLEN TAIT 87
2:06.38 JAE HOWELL 75	4:11.68 KAY SCHIMPF 80	1:23.72 JO LACY 80	2:37.10 MADELEINE MILLER 87
2:12.74 DORIS RUSSELL 77	4:12.22 NATE O'CONNELL 81	1:26.94 MARIE WICKLUN 84	3:03.05 SALLY A RYCKMAN 86
2:15.94 MARY WIXTED 75	4:18.10 MARGARET NAGLE 81	▪ 100 YD BREASTSTROKE	3:04.04 MARGOT LENIGK 85
2:22.86 JEAN ZULICH 77	4:25.07 MARY JANE REEVES 80	2:15.20 SALLY JOY 81	3:11.70 HEDY PULLMAN 86
2:46.52 EDITH GLUSAC 79	▪ 500 YD FREESTYLE	2:15.20 SALLY JOY 81	▪ 200 YD FREESTYLE
3:08.91 ZADA W TAFT 78	8:57.30 MARJORIE SHARPE 98	2:18.84 GERTRUD ZINT 80	4:08.61 JULIA DOLCE 95
3:59.29 ELFIE STEVENIN 76			

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

4:21.41 MARIE K KELLEHER 85	3:15.27 MARIE HEIKKINEN 86	46.56 DAVID REYNOLDS 24	55.04 KEVIN LEGROW 23
4:33.66 EVA MULLER 85	3:15.92 MADELEINE MILLER 87	47.19 PETER C JUIRIS 24	55.65 MIKE WEBER 23
4:39.03 JULIA DOLCE 88	• 200 YD INDIVIDUAL MEDLEY	47.33 LEE G WANIE 24	57.09 THOMAS RICHNER 23
5:39.39 EDITH HENDRY 87	5:21.65 EVA MULLER 98	47.73 COLE PINNOW 23	• 200 YD BACKSTROKE
5:49.26 ELLEN TAIT 87	5:21.65 EVA MULLER 85	47.82 PATRICK ELDER 23	1:50.28 JOHN KEPPELER 92
• 500 YD FREESTYLE	5:38.13 MARIE K KELLEHER 85	47.95 JASON HANSEN 24	1:56.05 GREG A KRISTOFF 23
11:24.79 JULIA DOLCE 95	• 400 YD INDIVIDUAL MEDLEY	48.17 AARON MC CORMICK 23	1:58.91 MAURO SILVA 22
12:30.55 EVA MULLER 85	12:00.94 JEWEL COOKE 95	48.22 STEPHEN FETYKO 24	1:59.44 DAVID REYNOLDS 24
13:03.09 JULIA DOLCE 88	12:17.74 JEWELL COOKE 89	48.68 J ARMSTRONG 22	2:00.11 JASON CROWDER 23
15:02.20 MADELEINE MILLER 87		• 200 YD FREESTYLE	2:05.67 ERIC PROKOPI 23
15:38.28 ELLEN TAIT 87	<u>WOMEN 90-94</u>	1:41.34 BRAD WINSOR 96	2:05.91 J ARMSTRONG 22
• 1000 YD FREESTYLE		1:45.19 LEE G WANIE 23	2:05.95 ALEX FULLER 23
24:04.52 JULIA DOLCE 95	• 50 YD FREESTYLE	1:46.35 ADAM DAWKINS 22	2:06.72 JEFF BUSHNELL 24
26:46.29 JULIA DOLCE 88	49.68 AILEEN SOULE 96	1:46.72 PATRICK ELDER 23	2:08.13 TODD STRUCKMAN 26
• 1650 YD FREESTYLE	NO SWIMMERS	1:48.89 J ARMSTRONG 22	2:09.47 STEVE HARTSOCK 24
45:53.55 JULIA DOLCE 97	• 100 YD FREESTYLE	1:49.06 AARON MC CORMICK 23	• 50 YD BREASTSTROKE
NO SWIMMERS	2:12.13 AILEEN SOULE 96	1:50.27 ALEX FULLER 23	26.14 BRUCE CROCK 96
• 50 YD BACKSTROKE	NO SWIMMERS	1:50.56 KEVIN LEGROW 23	26.56 DON SPELLMAN 23
49.59 AILEEN SOULE 91	• 200 YD FREESTYLE	1:50.90 DAVID DORNAUS 23	27.18 STEVEN C BERGEN 23
1:06.11 EDITH HENDRY 87	4:56.80 AILEEN SOULE 96	1:51.17 GREG A KRISTOFF 23	27.52 J ARMSTRONG 22
1:16.20 OLGA JAGGERS 85	NO SWIMMERS	1:51.30 ILI R SELINGER 24	27.63 ROBERT GRIFFIN 23
1:16.87 MARION MUELLER 86	• 500 YD FREESTYLE	• 500 YD FREESTYLE	27.88 AARON MC CORMICK 23
1:19.80 MADELEINE MILLER 87	15:48.03 ANNA BAUSCHER 92	4:33.88 BRAD WINSOR 96	28.43 JOHN W CAVE 24
1:21.32 MARIE HEIKKINEN 86	NO SWIMMERS	4:45.79 ADAM DAWKINS 22	29.18 BOB W ARNOLD 20
1:22.05 HEDY PULLMAN 86	• 1000 YD FREESTYLE	4:52.15 LEE G WANIE 24	29.31 JIM RUMBAUGH 24
1:33.96 HELEN OFFENHAUSER 85	32:53.76 ANNA BAUSCHER 93	4:54.50 PATRICK ELDER 23	29.33 ERNEST D ODINEC 22
1:36.90 SALLY A RYCKMAN 86	NO SWIMMERS	4:57.27 ALEX FULLER 23	29.37 JARED WALKENHORST 23
1:44.20 MARGOT LENIGK 85	• 50 YD BACKSTROKE	4:59.10 RYAN EBENS 22	• 100 YD BREASTSTROKE
1:45.56 ELIZABETH DZIADUS 87	1:01.93 AILEEN SOULE 96	5:04.20 AARON WANDS 23	57.68 TODD RADEL 97
• 100 YD BACKSTROKE	1:40.17 EDITH IRISH 91	5:07.99 DAVID DORNAUS 23	59.45 STEVEN C BERGEN 23
1:55.84 AILEEN SOULE 91	• 100 YD BACKSTROKE	5:08.43 CHAD CRADOCK 24	59.66 REID THORPE 23
2:12.42 EVA MULLER 85	2:14.66 AILEEN SOULE 96	5:09.33 J ARMSTRONG 22	1:00.13 JASON HANSEN 24
2:36.40 EDITH M HENDRY 87	3:46.71 EDITH IRISH 91	5:12.46 ROBBERT VAN ANDEL 23	1:00.13 J ARMSTRONG 22
2:43.27 MARION MUELLER 86	• 200 YD BACKSTROKE	• 1000 YD FREESTYLE	1:01.28 JARED WALKENHORST 23
2:44.90 MARIE HEIKKINEN 86	4:42.55 AILEEN SOULE 96	9:29.54 BRAD WINSOR 96	1:01.28 JOHN W CAVE 24
2:50.24 HEDY PULLMAN 86	NO SWIMMERS	10:00.42 ADAM DAWKINS 22	1:01.63 AARON MC CORMICK 23
2:56.52 OLGA JAGGERS 85	• 50 YD BREASTSTROKE	10:11.64 RYAN EBENS 22	1:01.87 STEPHAN JOE 22
3:45.88 MARGOT LENIGK 85	2:26.52 LUELLA TYRA 84	10:20.00 AARON WANDS 23	1:02.75 KUO WANG 23
3:57.27 SALLY A RYCKMAN 86	NO SWIMMERS	10:31.38 ALEX FULLER 23	1:02.95 BOB W ARNOLD 20
5:13.68 HELEN OFFENHAUSER 85	• 100 YD BREASTSTROKE	10:32.02 J ARMSTRONG 22	• 200 YD BREASTSTROKE
• 200 YD BACKSTROKE	5:30.32 LUELLA TYRA 83	10:35.19 PATRICK ELDER 23	2:06.35 TODD RADEL 96
4:09.33 AILEEN SOULE 91	NO SWIMMERS	11:00.60 RYAN FORRESTEL 23	2:11.35 REID THORPE 23
4:50.05 EVA MULLER 85	• 200 YD BREASTSTROKE	11:22.93 JOSHUA D GORDON 24	2:12.37 STEVEN C BERGEN 23
5:42.73 EDITH M HENDRY 87	11:48.36 LUELLA TYRA 83	11:29.60 CHARLES STONER 24	2:13.71 J ARMSTRONG 22
5:44.12 MARION MUELLER 86	NO SWIMMERS	11:41.81 JASON WENING 23	2:16.12 STEPHAN JOE 22
6:18.23 MADELEINE MILLER 87	• 50 YD BUTTERFLY	• 1650 YD FREESTYLE	2:18.08 ROBBERT VAN ANDEL 23
• 50 YD BREASTSTROKE	3:47.79 ANNA BAUSCHER 93	16:20.39 BRAD WINSOR 96	2:18.40 JOHN W CAVE 24
1:04.39 MARTI GOGNIAT 96	NO SWIMMERS	16:51.53 J ARMSTRONG 22	2:21.25 BOB W ARNOLD 20
1:22.77 MADELEINE MILLER 87	• 100 YD INDIVIDUAL MEDLEY	17:35.31 ALEX FULLER 23	2:21.38 TED MURPHY 23
1:24.50 MARIE HEIKKINEN 86	5:05.96 ANNA BAUSCHER 93	18:39.15 ROBBERT VAN ANDEL 23	2:22.10 COREY J RIORDAN 20
1:46.33 HEDY PULLMAN 86	NO SWIMMERS	18:41.07 JOSHUA D GORDON 24	2:22.44 JARON RUSSON 23
• 100 YD BREASTSTROKE	• 200 YD INDIVIDUAL MEDLEY	18:47.81 TRAVIS EVERETT 21	• 50 YD BUTTERFLY
2:46.49 MADELEINE MILLER 96	10:43.74 ANNA BAUSCHER 93	18:52.58 TRAVIS KEANE 24	22.47 CHRIS ZOLTAK 98
2:37.33 MARTI GOGNIAT 87NV	NO SWIMMERS	19:14.79 JASON WENING 23	22.47 CHRIS ZOLTAK 23
2:55.86 EVA MULLER 85	<u>WOMEN 95-99</u>	19:30.38 EDDIE WANG 23	23.23 COLE PINNOW 23
3:15.21 MADELEINE MILLER 87		19:43.29 JOHN COLLINS 19	23.32 DAVID HUGHES 23
3:50.10 HEDY PULLMAN 86	• 500 YD FREESTYLE	19:44.03 JIM WATTS 21	23.47 WALTER B BELL 22
4:19.21 MARGOT LENIGK 85	18:25.13 ANNA BAUSCHER 97	• 50 YD BACKSTROKE	23.86 LEE G WANIE 24
• 200 YD BREASTSTROKE	18:25.13 ANNA BAUSCHER 95	23.44 JEFF THIBAUT 95	24.01 JIM RUMBAUGH 24
6:12.44 KATHERINE PELTON 91		23.95 DAVID REYNOLDS 24	24.04 TOM C PIERCE 23
5:52.31 MARTI GOGNIAT 87NV	<u>MEN 19-24</u>	25.04 LEE G WANIE 23	24.14 PETER C JUIRIS 24
7:57.29 MADELEINE MILLER 87		25.07 JIM RUMBAUGH 24	24.17 DOUG FULLING 23
• 50 YD BUTTERFLY	• 50 YD FREESTYLE	25.17 DAVEY ELDER 21	24.27 THOMAS RICHNER 23
1:16.00 ELLA PECKHAM 85	20.25 ERIC MAUER 94	25.36 PATRICK ELDER 23	• 100 YD BUTTERFLY
1:17.66 MARIE K KELLEHER 85	20.87 CHRIS ZOLTAK 22	25.38 COLE PINNOW 23	49.91 BRAD BUNDEY 96
1:31.00 PEARL SOBEL 86	21.59 LEE G WANIE 24	25.39 JASON CROWDER 23	51.04 WALTER B BELL 22
1:42.44 MADELEINE MILLER 87	21.67 JASON HANSEN 24	25.73 DOUG FULLING 23	51.09 COLE PINNOW 23
• 100 YD BUTTERFLY	21.71 DAVID REYNOLDS 24	25.86 STEVE HARTSOCK 24	52.14 JASON HANSEN 24
3:01.71 ELLA PECKHAM 84	21.75 COLE PINNOW 23	26.29 MIKE WEBER 23	53.43 BEN HAMMOND 23
3:18.07 JEWELL COOKE 89	21.82 AARON MC CORMICK 23	• 100 YD BACKSTROKE	53.88 DOUG FULLING 23
• 200 YD BUTTERFLY	21.89 PETER C JUIRIS 24	50.58 JEFF THIBAUT 95	54.21 PETER C JUIRIS 24
6:39.85 KATHERINE PELTON 91	21.91 J ARMSTRONG 22	52.07 DAVID REYNOLDS 24	54.23 BRANDON MUFFLEY 23
NO SWIMMERS	21.94 ANDREW MULLIN 24	53.03 LEE G WANIE 24	54.47 MIKE WEBER 23
• 100 YD INDIVIDUAL MEDLEY	22.10 REID THORPE 23	54.40 JASON CROWDER 23	55.23 J ARMSTRONG 22
2:29.39 MARIE KELLEHER 98	• 100 YD FREESTYLE	54.50 DAVEY ELDER 21	55.35 THOMAS RICHNER 23
2:29.39 MARIE KELLEHER 85	45.11 ERIC MAUER 94	54.54 GREG A KRISTOFF 23	• 200 YD BUTTERFLY
2:32.65 EVA MULLER 85	46.27 CHRIS ZOLTAK 22	54.62 COLE PINNOW 23	1:51.04 STEVEN REED 93
2:58.74 PEARL SOBEL 86		54.72 JIM RUMBAUGH 24	2:00.85 J ARMSTRONG 22

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

2:03.90 ROBBERT VAN ANDEL 23	1:46.84 MATT C KELLER 28	2:02.88 KURT SPRENGER 28	53.38 DICK CLARKE 29
2:05.82 BRIAN MILES 24	1:47.66 ERNIE HOFFTYZER 28	• 50 YD BREASTSTROKE	54.05 CRAIG A CRAWFORD 27
2:06.21 BEN HAMMOND 23	1:47.87 JAMIE T PATRICK 27	25.34 GREG RHODENBAUGH 91	54.27 ERIK CRANKSHAW 25
2:08.74 CHRISTOPHE PALMER 24	1:48.00 JOE A HUGHES 26	26.67 J TODD RADEL 25	54.36 TODD DOHERTY 27
2:10.74 JOSHUA D GORDON 24	1:48.12 SCOTT L HENDERSON 26	26.70 TONY REZEK 25	54.49 NEILL WILLIAMS 29
2:15.63 TRAVIS EVERETT 21	1:48.35 STEVEN P TOTHERO 28	27.29 NEILL WILLIAMS 29	54.77 ERIK L SCOLLON 26
2:22.21 RYAN THEIRBACH 23	1:48.65 NENAD RODIC 27	27.35 CRAIG A CRAWFORD 27	54.78 ED WAGNER 26
2:22.88 DAVID STOLL 24	• 500 YD FREESTYLE	27.70 ROBERT K LEYSHON 29	• 200 YD INDIVIDUAL MEDLEY
2:24.02 JASON MILLER 24	4:30.25 CHIP HOBSON 94	27.74 TODD DOHERTY 27	1:52.02 JAN BIDRMAN 95
• 100 YD INDIVIDUAL MEDLEY	4:52.17 MATT C KELLER 28	27.98 ROB BUTCHER 25	1:53.68 MARC V RINZLER 27
52.01 ADAM WERTH 92	4:56.07 ERNIE HOFFTYZER 28	27.99 JAMIE T PATRICK 27	1:54.74 LORENZO BENUCCI 29
54.24 PETER C JUIRIS 24	4:56.74 KIRK WAHLSTROM 26	28.04 ROBERT FOX 29	1:56.13 DICK CLARKE 29
54.34 PATRICK ELDER 23	4:56.75 GEORGE VILLARREAL 26	28.17 PAUL MCQUAID 27	1:57.28 FRANK E WATTLES 27
54.39 J ARMSTRONG 22	4:57.62 DICK CLARKE 29	• 100 YD BREASTSTROKE	1:57.94 STEVEN P TOTHERO 28
54.95 COLE PINNOW 23	4:58.45 JOHN TAYLOR 26	56.21 DAVID LUNDBERG 90	1:58.10 SCOTT TRIPPS 28
55.26 LEE G WANIE 24	4:58.51 TRISTAN FORMON 25	57.57 TONY REZEK 25	1:58.24 ABRAHAM SOLANO 28
55.38 AARON MC CORMICK 23	5:01.78 DANIEL O'KEEFFE 26	58.13 TODD J RADEL 25	1:58.54 ERIK CRANKSHAW 25
56.03 KEVIN LEGROW 23	5:02.22 DAN WEGNER 26	58.50 NEILL WILLIAMS 29	1:59.01 TODD J RADEL 25
56.38 JIM RUMBAUGH 24	5:02.61 MIKE BANDOW 29	59.21 ROBERT K LEYSHON 29	1:59.62 JEFFREY H RODDIN 29
56.51 MIKE WEBER 23	• 1000 YD FREESTYLE	59.44 ABRAHAM SOLANO 28	1:59.62 ERIK HANSSEN 26
56.73 STEVEN C BERGEN 23	9:26.67 CHIP HOBSON 94	59.82 TODD DOHERTY 27	• 400 YD INDIVIDUAL MEDLEY
• 200 YD INDIVIDUAL MEDLEY	9:25.88 ALEX KOSTICH 28NV	1:00.14 ROBERT FOX 29	3:59.73 CAMERON REID 88
1:52.82 SIMON PERCY 94	10:10.00 DICK CLARKE 29	1:00.95 CRAIG A CRAWFORD 27	4:05.26 ALEX KOSTICH 28
1:56.36 PATRICK ELDER 23	10:21.06 PAUL S LOWENGRUB 27	1:01.29 DALE HUGGINS 25	4:06.90 DICK CLARKE 29
1:56.56 GREG A KRISTOFF 23	10:23.46 MICHAEL BANDOW 29	1:01.36 STEVEN P TOTHERO 28	4:07.61 LORENZO BENUCCI 29
1:59.74 J ARMSTRONG 22	10:33.32 MATT KELLER 28	• 200 YD BREASTSTROKE	4:17.20 ABRAHAM SOLANO 28
2:01.16 LEE G WANIE 24	10:36.53 JEFFREY JOTZ 28	2:03.69 DOUGLAS SOLTIS 88	4:18.91 TODD J RADEL 25
2:01.71 JASON HANSEN 24	10:55.45 TODD J RADEL 25	2:08.59 TODD J RADEL 25	4:19.77 WILLIAM M ZOLNA 28
2:01.75 STEPHEN FETYKO 24	10:59.99 SCOTT CARL 26	2:08.67 TONY REZEK 25	4:21.00 MATTHEW A KINNEY 28
2:02.27 MIKE WEBER 23	11:02.08 GREGORY K ISHII 27	2:09.09 ABRAHAM SOLANO 28	4:24.75 MARK GWIDT 28
2:02.72 ROBBERT VAN ANDEL 23	11:03.50 ED G OWEN 27	2:11.89 ROBERT K LEYSHON 29	4:24.86 RICHARD TOOTHILL 28
2:02.97 STEPHAN JOE 22	• 1650 YD FREESTYLE	2:12.50 MATTHEW KINNEY 27	4:25.36 DARREN DUTTO 29
2:03.42 JARED WALKENHORST 23	15:46.91 BOBBY PATTEN 90	2:14.01 CRAIG A CRAWFORD 27	
• 400 YD INDIVIDUAL MEDLEY	15:44.70 ALEX KOSTICH 28NV	2:14.20 ROBERT FOX 29	MEN 30-34
4:04.34 JOHN KEPPELER 92	16:52.37 NENAD RODIC 27	2:15.33 MATTHEW WALTERS 27	• 50 YD FREESTYLE
4:16.56 GREG A KRISTOFF 23	17:35.26 MICHAEL INGARDIA 27	2:15.76 TODD DOHERTY 27	20.15 ADAM SCHMITT 97
4:17.76 J ARMSTRONG 22	17:40.45 DAVE M ROSS 27	2:16.18 JIM W HARPER 29	21.30 COLL HADDON 32
4:18.59 PATRICK ELDER 23	17:41.24 LUKE HARDY 28	• 50 YD BUTTERFLY	21.47 PAT HAYES 34
4:22.49 ROBBERT VAN ANDEL 23	17:53.92 RICHARD TOOTHILL 28	22.27 COY COBB 91	21.49 C MICHAEL HALFFAST 32
4:28.42 STEPHAN JOE 22	18:01.48 BENJAMIN MORSE 26	22.21 BRIAN ALDERMAN 29NV	21.52 BERT BERGEN 31
4:32.23 CHRISTOPHE PALMER 24	18:08.44 ED G OWEN 27	22.90 CURTIS SAWIN 26	21.64 CARR PHILLIPS 32
4:33.62 ERIC PROKOPI 23	18:12.76 TODD STRUCKMAN 26	22.98 ED WAGNER 26	21.74 DAVE BERKOFF 32
4:35.86 AARON WANDS 23	18:22.35 JAMES D WOLFLE 29	23.05 KARNEY MCNEAR 28	21.77 STEVE DEMPSEY 33
4:36.73 JARON RUSSON 23	• 50 YD BACKSTROKE	23.09 FRANK E WATTLES 27	21.83 STEPHEN A STAHL 33
4:37.26 RYAN EBENS 22	23.12 MICHAEL KANNER 97	23.40 ALEC MULL 26	21.83 BILLY BARR 34
	23.83 DEREK P ROBINSON 28	23.41 JON PAUOLE 27	21.86 SCOTT MCCADAM 33
MEN 25-29	24.35 CURTIS SAWIN 26	23.51 SCOTT TRIPPS 28	• 100 YD FREESTYLE
• 50 YD FREESTYLE	24.94 ANDREW J KURTZ 25	23.69 ADAM M FERO 25	44.94 ADAM SCHMITT 97
19.83 ROBERT PEEL 91	24.96 SCOTT TRIPPS 28	23.72 SCOTT A CARL 26	47.14 B ZIKARSKY 31
20.86 JEFF MURRAY 28	24.98 GREG GOOCH 26	• 100 YD BUTTERFLY	47.18 STUART A BARTON 30
20.94 ED WAGNER 26	25.15 SCOTT RUNKLE 29	49.71 STUART KNOWLES 91	47.18 CARR PHILLIPS 32
21.07 BRIAN ALDERMAN 29	25.19 MARCEL RINZLER 26	48.51 BRIAN ALDERMAN 29NV	47.37 MICHAEL GREEN 34
21.22 ANDREW W EATON 25	25.22 COREY CARLISLE 26	50.36 KARNEY MCNEAR 28	47.56 C MICHAEL HALFFAST 32
21.59 MICHAEL GALLAGHER 26	25.46 JEFFREY H RODDIN 29	50.50 CURTIS SAWIN 26	47.66 BERT BERGEN 31
21.59 JOE A HUGHES 26	25.47 JESSE R STOVALL 25	51.23 FRANK E WATTLES 27	47.85 BRIAN K JUDD 30
21.68 CURTIS SAWIN 26	• 100 YD BACKSTROKE	51.24 JEFF MURRAY 28	48.08 FRED L SCHUSTER 34
21.81 PAUL MCQUAID 27	49.83 ANDREW GILL 92	51.57 DICK CLARKE 29	48.20 STEVE DEMPSEY 33
21.84 ROBERT KABACY 29	52.41 CURTIS SAWIN 26	51.82 LORENZO BENUCCI 29	48.49 TYLER JOURDANNAIS 32
21.91 ERIK CRANKSHAW 25	52.55 MARC V RINZLER 27	52.05 STEVE REED 29	• 200 YD FREESTYLE
21.91 STEVE M JOHNSON 27	52.56 DEREK P ROBINSON 28	52.08 JEFFREY RODDIN 28	1:39.59 FRANZ MORTENSEN 97
• 100 YD FREESTYLE	53.98 GREG GOOCH 26	52.13 DEREK P ROBINSON 28	1:44.41 BRIAN K JUDD 30
44.39 ROBERT PEEL 91	54.04 FRANK E WATTLES 27	• 200 YD BUTTERFLY	1:44.69 MICHAEL GREEN 34
45.78 JEFF MURRAY 28	54.58 ERIK CRANKSHAW 25	1:49.21 BOBBY PATTEN 90	1:44.71 MIKE SHAFFER 32
46.15 ED WAGNER 26	54.70 JEFFREY H RODDIN 29	1:51.81 BRIAN ALDERMAN 29	1:45.01 STEPHEN A STAHL 33
47.14 CURTIS SAWIN 26	55.21 ERIK L SCOLLON 26	1:53.08 DICK CLARKE 29	1:46.01 BERT BERGEN 31
47.26 ANDREW W EATON 25	55.31 STEVE REED 29	1:58.66 MATTHEW WALTERS 27	1:46.11 STUART A BARTON 30
47.43 PAUL MCQUAID 27	55.42 DARREN DUTTO 29	1:59.13 STEVE REED 29	1:46.45 FRED L SCHUSTER 34
47.58 DEREK P ROBINSON 28	• 200 YD BACKSTROKE	1:59.19 ERIK HANSSEN 26	1:46.63 CARR PHILLIPS 32
47.63 LORENZO BENUCCI 29	1:48.47 JOHN KEPPELER 95	1:59.94 JAY TOTH 26	1:46.98 SCOTT E ROBINSON 33
47.63 ALEC MULL 26	1:53.44 MARC V RINZLER 27	2:00.93 SCOTT A CARL 26	1:47.19 STEPHEN M SMITH 30
47.85 MARC V RINZLER 27	1:55.47 DICK CLARKE 29	2:02.39 MARK S GOLDMAN 26	• 500 YD FREESTYLE
47.89 DAN WEGNER 26	1:56.88 DEREK P ROBINSON 28	2:02.66 ABRAHAM SOLANO 28	4:29.49 MATTHEW CETLINSKI 96
• 200 YD FREESTYLE	1:57.60 ANDREW J KURTZ 25	2:03.57 MATTHEW A KINNEY 28	4:44.77 BRIAN K JUDD 30
1:38.14 JOHN KEPPELER 96	1:57.77 GREG GOOCH 26	• 100 YD INDIVIDUAL MEDLEY	4:45.07 MIKE SHAFFER 32
1:42.34 JEFF MURRAY 28	2:00.02 ROB BERRY 29	50.47 MOOK RHODENBAUGH 91	4:51.02 SEAN J KILLION 30
1:46.40 STEVE M JOHNSON 27	2:00.36 JON PAUOLE 27	52.68 FRANK E WATTLES 27	4:52.32 MICHAEL D COLLINS 32
1:46.55 DAN WEGNER 26	2:00.77 RICHARD TOOTHILL 28	52.85 CURTIS SAWIN 26	4:54.65 SCOTT E ROBINSON 33
	2:02.56 DARREN DUTTO 29	52.98 MARC V RINZLER 27	

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

4:54.96 ROBERT GEISE 34	56.58 DAVID LUNDBERG 91	1:59.64 THOMAS NORTHCUTT 32	10:50.61 THOMAS MACK 39
4:55.59 CHRIS D MCGIFFIN 32	58.91 WALLY DICKS 34	1:59.79 BERT BERGEN 31	10:50.90 THOMAS W EMISON 39
4:56.87 JASON C NIELSEN 31	59.15 NEILL WILLIAMS 30	2:00.32 LORENZO BENUCCI 30	▪ 1650 YD FREESTYLE
4:57.81 DOUGLAS D STEWART 33	1:00.34 DEWEY WYATT 34	2:02.10 ROB S BERRY 30	16:17.28 BOBBY PATTEN 98
4:57.93 GLEN M MEGGS 30	1:00.57 JOHN G MURPHY 34	2:02.27 DANILO VICIOSO 34	16:17.28 BOBBY PATTEN 35
▪ 1000 YD FREESTYLE	1:00.95 THOMAS NORTHCUTT 32	▪ 400 YD INDIVIDUAL MEDLEY	17:07.88 ROBERT C PLACAK 38
9:34.15 JEFF ERWIN 95	1:01.04 BRIAN SCOTTLINE 33	3:53.81 RONALD KARNAUGH 97	17:10.90 JEFF STUART 37
9:48.42 MIKE SHAFFER 32	1:01.74 JAMES M WISE 33	4:02.06 ROQUE J SANTOS 30	17:35.15 GARY H QUINN 39
9:55.76 TIMOTHY D NELSON 32	1:01.83 JASON TIMMONS 31	4:17.04 STEPHEN M SMITH 30	17:38.22 DAVID J BRANCAMP 36
10:03.37 JASON C NIELSEN 31	1:01.90 MARK POHLKAMP 34	4:20.92 MICHAEL D COLLINS 32	17:46.13 JEFFREY CROSSON 36
10:04.74 SEAN J KILLION 30	1:02.03 BORIS TALAN 32	4:23.95 DOUGLAS D STEWART 33	17:49.84 DAN GOERKE 39
10:05.28 STEPHEN A STAHL 33	▪ 200 YD BREASTSTROKE	4:25.46 KEVIN CASSON 31	17:54.93 MIKE KECK 38
10:05.92 MICHAEL D COLLINS 32	2:01.01 RONALD KARNAUGH 97	4:25.73 JASON C NIELSEN 31	18:00.57 DOUG ASBURY 38
10:18.36 DOUGLAS D STEWART 33	2:13.65 NEILL WILLIAMS 30	4:26.92 NIEL E FISCHER 33	18:01.08 THOMAS MACK 39
10:20.11 ROBERT GEISE 34	2:14.31 JASON TIMMONS 31	4:28.13 MIKE BROWN 34	▪ 50 YD BACKSTROKE
10:22.09 SCOTT E ROBINSON 33	2:15.85 JOHN G MURPHY 34	4:28.82 CHRIS L BLACK 32	23.75 CLAY BRITT 96
10:32.99 ERIC MILLER 31	2:18.18 BRIAN T HAYES 30	4:28.89 JOHN O'KEEFE 30	24.10 CLAY J BRITT 37
▪ 1650 YD FREESTYLE	2:19.44 MICHAEL D COLLINS 32		24.83 MICHAEL A FELL 36
15:51.57 JEFF ERWIN 96	2:19.82 S VANKUILENBURG 33	MEN 35-39	25.10 JAY YARID 35
16:28.56 DANIEL H VEATCH 32	2:20.23 JAMES WISE 33	▪ 50 YD FREESTYLE	25.11 ROGER M VREDEVELD 37
16:31.69 DENNIS TESCH 32	2:20.99 NIEL E FISCHER 33	20.73 KEVIN DEFORREST 94	25.45 CHARLES G GROEN 38
16:56.69 MICHAEL R MOORE 34	2:22.88 DALE MERCKER 31	20.92 MARK NOETZEL 35	25.54 WILLIAM SPECHT 39
16:59.39 JASON C NIELSEN 31	2:23.06 ALAN G GOODRIDGE 33	21.56 THOMAS J REDIG 36	25.64 DALE MC ELHATTA 36
17:07.79 SCOTT E ROBINSON 33	▪ 50 YD BUTTERFLY	21.70 MATT WOOD 37	25.81 JOE REINHARDT 36
17:16.86 SEAN J KILLION 30	22.52 STEPHEN CROCKER 96	21.71 JOHN BLACK 35	25.83 DAVE GIBSON 37
17:26.16 GLEN M MEGGS 30	23.38 COLL HADDON 32	21.92 JAMES E LILLEY 38	25.85 FRITZ LEHMAN 39
17:27.43 CHRIS D MCGIFFIN 32	23.50 TYLER JOUNDANNAIS 32	21.93 MICHAEL A FELL 36	▪ 100 YD BACKSTROKE
17:38.51 ROBERT GEISE 33	23.87 RICH SHINNICK 31	21.99 JOE N REINHARDT 36	51.03 CLAY BRITT 96
17:41.58 THORSTEN ANDERSON 30	23.90 DAVE BERKOFF 32	22.03 DAVE GIBSON 37	51.20 CLAY BRITT 37
▪ 50 YD BACKSTROKE	23.94 JIM HARVEY 30	22.06 CHRISTOPHE FLOOD 35	52.87 JAY YARID 35
23.39 CLAY BRITT 92	24.06 FRED L SCHUSTER 34	22.11 CRAIG MALLERY 35	53.07 DAVID LUNDBERG 37
23.32 DAVE BERKOFF 32NV	24.14 BRIAN SCOTTLINE 33	▪ 100 YD FREESTYLE	54.22 MICHAEL A FELL 36
24.73 COLL HADDON 32	24.14 STAN KRODER 33	46.14 DAVID BOATWRIGHT 97	54.48 ROGER M VREDEVELD 37
25.12 THOMAS NORTHCUTT 32	24.17 SHAWN P JONES 30	46.31 MARK NOETZEL 35	55.21 STEVE GEORGE 38
25.38 ANDERS RASMUSSEN 34	24.22 MIKE SHAFFER 32	47.12 THOMAS J REDIG 36	55.46 MIKE FRAZER 37
25.40 JERRY FRENTSOS 32	▪ 100 YD BUTTERFLY	47.64 DAVID LUNDBERG 37	55.67 JEFF STUART 37
25.47 MIKE S GONZALES 31	49.16 PETER EGAN 94	47.92 MATT WOOD 37	56.07 BOB BURESH 39
25.52 BRAD HODGES 31	51.87 MIKE SHAFFER 32	47.97 JOHN BLACK 35	56.24 DAVE GIBSON 37
25.54 CHRISTOPHE WOOD 30	52.22 STUART A BARTON 30	48.18 GREG A REMMERT 35	▪ 200 YD BACKSTROKE
25.54 CARR PHILLIPS 32	52.24 FRED L SCHUSTER 34	48.19 CRAIG MALLERY 35	1:53.30 CLAY BRITT 96
25.61 CHRIS LUTZ 30	52.64 NEILL WILLIAMS 30	48.27 JAMES E LILLEY 38	1:55.23 JAY YARID 35
▪ 100 YD BACKSTROKE	52.86 COLL HADDON 32	48.64 KEVIN HOOK 36	1:59.66 WILLIAM SPECHT 39
50.21 CLAY BRITT 92	52.90 RICH SHINNICK 31	48.67 MICHAEL A FELL 36	1:59.75 MIKE FRAZER 37
50.34 DAVE BERKOFF 32	54.04 SHAWN P JONES 30	▪ 200 YD FREESTYLE	1:59.90 STEVE GEORGE 38
52.82 DANIEL H VEATCH 33	54.17 DAVE HOLLAND 32	1:42.78 JAMES MONTGOMERY 90	2:00.24 ROGER M VREDEVELD 37
54.35 ROB S BERRY 30	54.17 ROBERT A CARR 30	1:45.02 BOBBY PATTEN 35	2:01.29 COURTNEY ROBERTS 35
54.41 MIKE S GONZALES 31	54.48 JIM HARVEY 30	1:45.11 JAMES E LILLEY 38	2:01.39 JEFF STUART 37
54.84 ANDERS RASMUSSEN 34	▪ 200 YD BUTTERFLY	1:47.14 KEVIN HOOK 36	2:01.83 GARY H QUINN 39
55.05 BRAD HODGES 31	1:49.52 PETER EGAN 94	1:47.22 DALE MC ELHATTA 36	2:03.92 TIM CESPEDES 38
55.23 JERRY FRENTSOS 32	1:54.45 MIKE SHAFFER 32	1:47.85 MIKE KECK 38	2:04.04 SCOTT SHAKE 39
55.25 BERT BERGEN 31	1:56.37 FRED L SCHUSTER 34	1:47.90 CHARLIE JOHNSON 35	▪ 50 YD BREASTSTROKE
55.41 CARR PHILLIPS 32	1:59.37 THOMAS NORTHCUTT 32	1:47.99 GREG A REMMERT 35	25.97 WALLY DICKS 98
55.43 THOMAS SENN 30	2:00.52 STEPHEN A STAHL 33	1:48.17 GERRY A RODRIGUES 35	25.97 WALLY C DICKS 35
▪ 200 YD BACKSTROKE	2:01.25 OLEG E LITVINOV 31	1:48.42 ALEX R BAILEY 36	26.61 DAVID GUTHRIE 37
1:48.66 RONALD KARNAUGH 97	2:01.73 ROBERT A CARR 32	1:48.67 JEFF STUART 37	26.92 DEAN PUTTERMAN 35
1:52.51 DANIEL H VEATCH 33	2:02.00 STEVE SEGRETO 34	▪ 500 YD FREESTYLE	27.08 PLAMEN ALEXANDROV 37
1:58.57 MIKE S GONZALES 31	2:02.15 DAVE HOLLAND 30	4:39.73 BOBBY PATTEN 98	27.56 HOLDEN J BANK 38
1:59.07 ROB S BERRY 30	2:02.37 JOHN O'KEEFE 30	4:39.73 BOBBY PATTEN 35	27.61 GLENN D MILLS 36
2:00.59 JERRY FRENTSOS 32	2:02.97 DOUGLAS D STEWART 33	4:51.12 JEFF S STUART 37	27.64 MATT WOOD 37
2:00.64 STEPHEN M SMITH 30	▪ 100 YD INDIVIDUAL MEDLEY	4:54.59 GREG A REMMERT 35	27.81 BENN DOYLE 39
2:00.81 CHRISTOPHE WOOD 30	50.98 DAVID LUNDBERG 91	4:56.00 ROBERT C PLACAK 39	27.87 RUSTY KRETZ 36
2:01.02 BRAD HODGES 31	53.59 NEILL WILLIAMS 30	4:56.65 GERRY A RODRIGUES 35	28.07 DALE MC ELHATTA 36
2:01.27 TODD B MERCER 30	53.86 COLL HADDON 32	4:58.60 STEVEN FISHER 35	▪ 100 YD BREASTSTROKE
2:01.61 CARR PHILLIPS 32	54.48 DANIEL H VEATCH 33	4:59.45 JOHN R HAVLIK 39	56.81 WALLY DICKS 98
2:01.95 JAY YARID 34	54.55 THOMAS NORTHCUTT 32	4:59.92 WILLIAM SPECHT 39	56.81 WALLY DICKS 35
▪ 50 YD BREASTSTROKE	54.84 BERT BERGEN 31	5:00.11 MIKE KECK 38	57.41 DAVID GUTHRIE 37
25.88 DAVID LUNDBERG 91	54.93 ROB S BERRY 30	5:00.32 GARY H QUINN 39	58.92 DEAN PUTTERMAN 35
26.79 ROQUE J SANTOS 30	54.93 DAN EGELAND 30	▪ 1000 YD FREESTYLE	59.08 DAVID LUNDBERG 37
26.99 BRIAN SCOTTLINE 33	55.21 JERRY FRENTSOS 32	9:53.91 MIKE KECK 96	59.95 HOLDEN J BANK 38
27.28 WALLY DICKS 34	55.21 JIM HARVEY 31	10:09.16 MIKE KECK 38	1:00.66 GLENN D MILLS 36
27.31 COLL HADDON 32	55.49 MICHAEL GREEN 34	10:15.20 GERRY A RODRIGUES 35	1:01.44 MATTHEW FRENTSOS 35
27.33 JOHN G MURPHY 34	▪ 200 YD INDIVIDUAL MEDLEY	10:26.70 JEFF S STUART 37	1:01.83 RUSTY KRETZ 36
27.63 NEILL WILLIAMS 30	1:47.62 RONALD KARNAUGH 97	10:32.79 JOE RHYNE 39	1:01.86 RANDY R COX 35
27.76 DEWEY WYATT 34	1:54.35 ROQUE J SANTOS 30	10:37.16 DAVID J BRANCAMP 36	1:02.29 BENN DOYLE 39
27.84 S FRAMPTON 31	1:58.32 MICHAEL GREEN 34	10:40.92 ROBERT HUDEK 35	▪ 200 YD BREASTSTROKE
27.86 THOMAS NORTHCUTT 32	1:58.57 STEPHEN M SMITH 30	10:41.25 PHILLIP M HAYMAN 36	2:08.06 WALLY DICKS 98
28.22 JAMES M WISE 33	1:59.03 NEILL WILLIAMS 30	10:49.39 AL JAEGER 35	2:08.06 WALLY C DICKS 35
▪ 100 YD BREASTSTROKE	1:59.55 DANIEL H VEATCH 33		2:08.17 DAVID GUTHRIE 37

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

2:12.69 PLAMEN ALEXANDROV 37	4:28.95 TIM CESPEDES 38	24.57 WILLIAM SPECHT 98	24.30 THOMAS MCCABE 40
2:15.13 BENN DOYLE 39	4:30.03 GARY H QUINN 39	24.57 WILLIAM L SPECHT 40	24.38 LOUIS S TUDOR 42
2:15.62 RANDY R COX 35		25.42 JAMES T BALLARD 40	24.47 CHRIS DIXON 40
2:15.66 GLENN D MILLS 36	MEN 40-44	25.58 CLAY EVANS 44	24.51 DAVID HAGUE 44
2:16.52 PAT ALLENDER 39		26.17 SCOTT D SHAKE 40	24.79 M STINCHCOMBE 41
2:16.75 MATTHEW FRENTSOS 35	• 50 YD FREESTYLE	26.43 TOM WOLF 43	• 100 YD BUTTERFLY
2:16.76 HOLDEN J BANK 38	21.55 STU MARVIN 97	26.81 TIMOTHY P ROURKE 43	51.13 WILLIAM SPECHT 98
2:18.93 EDMUND J GENDREAU 35	21.75 CHARLES C NORELLI 42	26.86 TOM REUDY 43	51.13 WILLIAM L SPECHT 40
• 50 YD BUTTERFLY	21.81 RICHARD W HESS 43	26.93 THOMAS W DAVIS 40	52.85 TRIP HEDRICK 44
22.93 SPECHT/DEFORREST 94	21.84 LOUIS TUDOR 41	27.01 JOE GAWRYS 43	53.08 CHARLES C NORELLI 42
23.33 THOMAS J REDIG 36	21.88 THOMAS MCCABE 40	27.14 JEFF PEROUT 44	53.15 RICHARD W HESS 43
23.37 BOBBY PATTEN 35	21.91 TRIP HEDRICK 44	• 100 YD BACKSTROKE	53.90 JOHN B TUDOR 40
23.62 ROBERT GOLDBLOOM 38	22.09 PETER D NUNAN 40	52.58 CRAIG SCHWARTZ 96	54.03 JIM O'CONNOR 44
23.77 CLAY J BRITT 37	22.15 JACK GROSELLE 43	52.76 WILLIAM L SPECHT 40	54.08 LOUIS S TUDOR 42
23.82 DAVE GIBSON 37	22.25 GARY SCHATZ 43	55.59 SCOTT D SHAKE 40	54.09 KERRY L O'BRIEN 41
23.82 JEFF STUART 37	22.46 KIRK E KOZLOWSKI 40	56.04 THOMAS W DAVIS 40	54.37 THOMAS MCCABE 40
23.90 NORMAN SCHIPPERT 35	22.51 JOHN TUDOR 40	56.52 JAMES BALLARD 40	54.74 JACK GROSELLE 43
23.95 MATT WOOD 37	• 100 YD FREESTYLE	56.56 CLAY EVANS 44	• 200 YD BUTTERFLY
23.97 JOHN PRATT 35	47.23 STU MARVIN 97	56.61 GARY QUINN 40	1:52.01 WILLIAM SPECHT 98
23.97 WILLIAM SPECHT 39	47.61 JACK GROSELLE 43	56.77 TOM WOLF 43	1:52.01 WILLIAM L SPECHT 40
• 100 YD BUTTERFLY	47.74 PETER D NUNAN 40	57.42 JONATHAN E KLEIN 40	2:00.36 KERRY L O'BRIEN 41
50.08 WILLIAM SPECHT 95	48.08 CHARLES C NORELLI 42	58.43 THOMAS C BOYD 41	2:02.15 DAVID R SHEPHERD 42
51.14 BOBBY PATTEN 35	48.27 RICHARD W HESS 43	58.52 ALAN GODFREY 41	2:02.52 JIM O'CONNOR 44
51.42 CHARLIE JOHNSON 35	48.47 JOHN B TUDOR 40	• 200 YD BACKSTROKE	2:03.39 JOHN CRAIG 43
52.15 DAVID LUNDBERG 37	48.60 KIRK E KOZLOWSKI 40	1:54.01 WILLIAM SPECHT 98	2:03.54 BILLY GLASSTETTER 40
52.26 JEFF S STUART 37	48.85 TRIP HEDRICK 44	1:54.01 WILLIAM L SPECHT 40	2:05.39 MATTHEW H KANZLER 41
52.47 JOHN PRATT 35	49.05 GREGORY DOZER 40	1:58.89 SCOTT D SHAKE 40	2:07.29 ANDREW G SCHASER 41
52.52 WILLIAM SPECHT 39	49.32 THOMAS MCCABE 40	2:00.91 THOMAS W DAVIS 40	2:08.61 NEIL R WASSERMAN 43
52.61 MATT WOOD 37	49.34 PETER WORLAND 40	2:02.82 GARY QUINN 40	2:08.64 JIM S STITES 40
53.08 JOHN BLACK 35	• 200 YD FREESTYLE	2:03.97 TOM WOLF 43	• 100 YD INDIVIDUAL MEDLEY
53.25 EDMUND J GENDREAU 35	1:44.48 STU MARVIN 97	2:04.08 TOM REUDY 43	54.88 CLAY EVANS 94
53.65 CHRIS D WATERS 35	1:46.79 SPENCER C ELDERED 41	2:05.37 CLAY EVANS 44	55.60 RICHARD W HESS 43
• 200 YD BUTTERFLY	1:47.58 JACK GROSELLE 43	2:06.12 ALAN GODFREY 41	55.67 JOHN B TUDOR 40
1:51.38 WILLIAM SPECHT 95	1:48.25 PETER D NUNAN 40	2:06.16 JONATHAN E KLEIN 40	55.93 SPENCER C ELDERED 41
1:52.55 BOBBY PATTEN 35	1:48.46 THOMAS MCCABE 40	2:06.37 FRED FERROGGIARO 44	56.13 TOM REUDY 43
1:55.28 CHARLIE JOHNSON 35	1:49.04 DAVID R SHEPHERD 42	• 50 YD BREASTSTROKE	56.24 CLAY EVANS 44
1:56.92 WILLIAM SPECHT 39	1:49.11 TOM REUDY 43	26.75 RICK HOFSTETTER 97	56.51 TRIP HEDRICK 44
1:59.02 SCOTT HALLIBURTON 35	1:49.56 JOHN TUDOR 40	27.23 DOUG MALCOLM 41	56.62 JACK GROSELLE 43
1:59.30 DANIEL SULLIVAN 37	1:50.89 KIRK E KOZLOWSKI 40	27.84 RON SCHAFFER 40	56.64 MATTHEW P CLARK 41
1:59.32 CHRIS D WATERS 35	1:50.92 LARRY WOOD 44	27.92 MICHAEL L HAMM 40	56.67 GREGORY DOZER 40
1:59.67 JOHN PRATT 35	1:51.08 GREGORY DOZER 40	27.98 STEPHEN W RODE 40	57.16 JOHN WESTON 41
2:01.13 MIKE KECK 38	• 500 YD FREESTYLE	28.07 JACK GROSELLE 43	• 200 YD INDIVIDUAL MEDLEY
2:02.29 RANDY R COX 35	4:46.59 JIM MCCONICA 94	28.36 SPENCER C ELDERED 41	2:00.49 CLAY EVANS 94
2:03.72 CHRISTOPHE ROTH 39	4:53.10 DAVID R SHEPHERD 42	28.67 MICHAEL J SLOWEY 40	2:00.76 SPENCER C ELDERED 41
• 100 YD INDIVIDUAL MEDLEY	5:00.18 KERRY L O'BRIEN 41	28.69 KENT RAFFERTY 40	2:01.18 TOM REUDY 43
52.79 ROBERT PLACAK 94	5:01.60 GARY QUINN 40	29.06 MORI PAULSEN 40	2:02.24 GREGORY DOZER 40
53.26 DAVID LUNDBERG 37	5:02.27 SCOTT D SHAKE 40	29.18 STUART E CORLISS 42	2:04.57 JOHN WESTON 41
53.81 CLAY J BRITT 37	5:05.22 JIM T CALLAHAN 40	• 100 YD BREASTSTROKE	2:04.82 MATTHEW P CLARK 41
54.38 JAMES E LILLEY 38	5:08.20 LEE E MENCH 44	59.40 C MILTENBERGER 93	2:05.01 SCOTT D SHAKE 40
54.92 MATT WOOD 37	5:11.40 TIM HARVEY 43	59.80 RON SCHAFFER 40	2:06.30 MICHAEL L HAMM 40
54.93 THOMAS J REDIG 36	5:11.49 LARRY WOOD 44	1:00.43 MICHAEL L HAMM 40	2:06.55 STEPHEN W RODE 40
55.30 DALE MC ELHATTA 36	5:11.69 MATT CLARK 41	1:00.43 DOUG MALCOLM 41	2:06.81 THOMAS C BOYD 41
55.34 DEAN PUTTERMAN 35	5:11.73 CLAY EVANS 44	1:00.53 STEPHEN W RODE 40	2:07.36 ALEX D RAE-GRANT 40
55.56 MATTHEW FRENTSOS 35	• 1000 YD FREESTYLE	1:01.22 SPENCER C ELDERED 41	• 400 YD INDIVIDUAL MEDLEY
55.75 JOE N REINHARDT 36	9:47.73 HESS YNTEMA 94	1:02.20 JACK GROSELLE 43	4:20.57 CLAY EVANS 94
55.88 ROBERT GOLDBLOOM 38	10:15.28 DAVE SHEPARD 42	1:02.36 MICHAEL J SLOWEY 40	4:20.76 SPENCER C ELDERED 41
• 200 YD INDIVIDUAL MEDLEY	10:29.96 JIM T CALLAHAN 40	1:02.63 MORI PAULSEN 40	4:22.02 GREGORY DOZER 40
1:57.27 DAVID LUNDBERG 98	10:30.34 GARY QUINN 40	1:02.77 GREGORY DOZER 40	4:24.34 JOHN WESTON 41
1:57.27 DAVID LUNDBERG 37	10:40.81 LARRY WOOD 44	1:04.01 ALEX D RAE-GRANT 40	4:25.38 TOM REUDY 43
1:58.88 CHARLIE JOHNSON 35	10:46.75 JERRY DEMURO 42	• 200 YD BREASTSTROKE	4:27.40 DAVID R SHEPHERD 42
2:00.25 CLAY BRITT 37	10:46.86 TIM HARVEY 43	2:10.09 RON SCHAFFER 98	4:28.48 MATTHEW P CLARK 41
2:00.71 MIKE KECK 38	10:50.72 RICK SCRAY 43	2:10.09 RON SCHAFFER 40	4:32.26 MATTHEW H KANZLER 41
2:01.13 JAMES E LILLEY 38	10:51.05 DAVID SCHRADER 42	2:13.73 STEPHEN W RODE 40	4:35.81 MICHAEL J SLOWEY 40
2:01.81 RANDY R COX 35	10:53.75 TIMOTHY C KENNEDY 41	2:14.43 SPENCER C ELDERED 41	4:36.79 BRUCE R HATTON 41
2:03.20 TIM CESPEDES 38	10:53.90 PAUL WINDRATH 44	2:15.27 MICHAEL L HAMM 40	4:37.01 NEIL R WASSERMAN 43
2:03.38 JAY YARID 35	• 1650 YD FREESTYLE	2:17.16 GREGORY DOZER 40	
2:03.40 ROGER M VREDEVELD 37	16:18.14 HESS YNTEMA 94	2:18.21 MICHAEL J SLOWEY 40	MEN 45-49
2:03.61 EDMUND J GENDREAU 35	16:58.23 DAVID R SHEPHERD 42	2:19.15 TOM REUDY 43	• 50 YD FREESTYLE
• 400 YD INDIVIDUAL MEDLEY	17:13.63 SCOTT D SHAKE 40	2:19.31 MORI PAULSEN 40	21.87 RICHARD ABRAHAMS 90
4:12.83 JEFF STILLING 97	17:38.79 LARRY WOOD 44	2:20.79 MATTHEW H KANZLER 41	22.90 LAWRENCE SHULMAN 48
4:21.12 MIKE KECK 38	17:50.39 TIM HARVEY 43	2:23.44 DOUG MALCOLM 41	23.12 JOEL M STAGER 45
4:23.14 RANDY R COX 35	18:11.41 HESS YNTEMA 44	• 50 YD BUTTERFLY	23.15 TOM COFFEY 47
4:24.11 ROGER M VREDEVELD 37	18:14.79 NEIL R WASSERMAN 42	23.28 WILLIAM SPECHT 98	23.28 RANDY SIMONS 49
4:24.89 JEFF STUART 37	18:16.13 JIM MCFARLAND 40	23.75 WILLIAM L SPECHT 40	23.30 ROBERT WHITLEY 48
4:25.51 LAWRENCE ROWE 35	18:19.64 FRED FERROGGIARO 44	23.75 RICHARD W HESS 43	23.30 LEE MENCH 45
4:26.66 PAUL FRENTSOS 36	18:20.94 JERRY DEMURO 42	23.79 TRIP HEDRICK 44	23.42 ROBERT PUELS 46
4:27.62 C JOHNSON 35	18:24.81 MARK D GOWLER 41	23.98 CHARLES NORELLI 42	23.46 TOM WHATLEY 46
4:28.51 GERRY A RODRIGUES 35	• 50 YD BACKSTROKE	24.29 JOHN TUDOR 40	

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

23.56 RICHARD PETERSON 46	58.40 BOB THOMAS 45	57.97 STEVEN E HAUFLER 45	1:52.07 BRYAN BATEMAN 98
23.62 EDWARD BELL 45	58.84 R TOD SPIEKER 49	58.41 DALE WISELEY 45	1:52.07 BRYAN J BATEMAN 50
• 100 YD FREESTYLE	59.52 KURT MOEHLMANN 46	• 200 YD BUTTERFLY	1:53.48 TIM A BIRNIE 52
48.13 ANDREW MCPHERSON 92	59.52 MARK D PUGLIESE 45	2:02.53 FRED SCHLICHER 97	1:54.84 PAUL MC CORMICK 51
50.76 LEE MENCH 45	59.75 CHRISTIAN NOLL 45	2:03.16 FRED J SCHLICHER 49	1:55.64 KEEFE LODWIG 54
50.99 TOM PERRIN 47	59.90 GENE E HART 45	2:03.75 RANDY B WILLIAMS 46	1:56.87 BOO GRANER GALLAS 50
51.20 ROBERT WHITLEY 48	59.98 WILLIAM TINGLEY 47	2:10.72 WILLIAM REEVES 45	1:57.47 WILLIAM ABBOTT 51
51.20 TOM COFFEY 47	1:00.16 J NATHAN LEECH 49	2:13.34 BRAD V PENCE 46	1:58.50 HUGH T WILDER 50
51.48 EDWARD BELL 45	• 200 YD BACKSTROKE	2:14.07 KEITH BELL 49	1:58.66 GREGORY CHARLTON 50
51.57 JOEL M STAGER 45	2:02.18 PETER O'KEEFE 96	2:14.12 DAVID A LEVINSON 48	1:59.11 RICHARD ABRAHAMS 53
51.68 RICHARD PETERSON 46	2:06.20 BOB THOMAS 45	2:14.48 STEPHEN BOSTER 47	1:59.71 ROGER D JORGENSEN 50
51.72 ROBERT PUELS 46	2:06.97 R TOD SPIEKER 49	2:14.91 GARY A BASTIE 47	• 500 YD FREESTYLE
51.77 LEONARD BROCKHAHN 47	2:10.40 KURT MOEHLMANN 46	2:15.15 JOEL R WILSON 49	5:11.73 PAUL MCCORMICK 98
51.79 STEVE HECK 48	2:10.74 TODD A BRYAN 47	2:16.66 DALE WISELEY 45	5:11.73 PAUL MC CORMICK 51
• 200 YD FREESTYLE	2:10.88 MARK D PUGLIESE 45	• 100 YD INDIVIDUAL MEDLEY	5:15.11 TIM A BIRNIE 52
1:47.93 TIM BRODERICK 96	2:13.20 TIMOTHY J HUESKEN 46	56.23 ROBERT SMITH 88	5:20.92 LEO FRENCH 50
1:50.88 JIM MCCONICA 47	2:13.78 J NATHAN LEECH 49	56.93 BRUCE MALLETTE 45	5:22.72 STEPHEN M JOHNSON 50
1:51.03 FRED J SCHLICHER 49	2:14.37 JON C RYSDON 46	57.85 TOM PERRIN 47	5:24.67 BRYAN BATEMAN 50
1:51.82 RANDY B WILLIAMS 46	2:14.54 WILLIAM TINGLEY 47	58.75 GARY HALL 46	5:26.48 JOHN FLANAGAN 52
1:52.35 CHRIS NOLL 45	2:14.58 DAVID C BRIGHT 45	59.06 J NATHAN LEECH 49	5:30.86 ROGER D JORGENSEN 50
1:52.85 MIKE B SHERRILL 48	• 50 YD BREASTSTROKE	59.26 TOM COFFEY 47	5:31.46 HUGH T WILDER 50
1:52.95 TODD A BRYAN 47	28.12 PAUL HENNE 94	59.38 STEVE HECK 48	5:34.28 BILL DARBY 50
1:53.82 LEONARD BROCKHAHN 47	29.09 RICHARD BOHAN 47	59.41 ROBERT PUELS 46	5:35.33 JIM LAWRIE 51
1:55.24 R TOD SPIEKER 49	29.34 C MILTENBERGER 46	59.45 C MILTENBERGER 46	• 1000 YD FREESTYLE
1:55.80 ROBERT WHITLEY 48	29.46 ROBERT PUELS 46	59.68 MARK D PUGLIESE 45	10:46.13 PAUL MCCORMICK 98
1:55.99 LEE MENCH 45	29.59 RALPH S BOVARD 45	1:00.04 RICHARD BOHAN 47	10:46.13 PAUL MC CORMICK 51
• 500 YD FREESTYLE	30.08 MAL JESTER 49	• 200 YD INDIVIDUAL MEDLEY	11:14.47 JOHN FLANAGAN 52
4:53.46 JIM MCCONICA 98	30.15 JIM CAPERS 46	2:03.53 BRUCE MALLETTE 98	11:23.25 GEORGE WENDT 50
4:53.46 JIM MCCONICA 47	30.35 ROBERT WHITLEY 48	2:03.53 BRUCE MALLETTE 45	11:30.08 BILL DARBY 50
4:56.48 TODD A BRYAN 47	30.50 DANA COX 46	2:07.86 FRED J SCHLICHER 49	11:30.36 HUGH T WILDER 50
5:01.29 R TOD SPIEKER 49	31.01 RICHARD E ATONDO 48	2:08.21 TOM PERRIN 47	11:35.64 ROGER D JORGENSEN 50
5:01.97 CHRIS NOLL 45	31.10 GARY M MATYKO 45	2:09.00 STEVE HECK 48	11:36.30 JIM MCCLEERY 52
5:05.22 MIKE B SHERRILL 48	• 100 YD BREASTSTROKE	2:10.34 STEVEN E HAUFLER 45	11:45.20 TIM GRIFFIN 54
5:11.53 LEONARD BROCKHAHN 47	1:01.92 ROBERT STRAND 95	2:11.13 GARY M MATYKO 45	11:48.79 JIM LAWRIE 51
5:11.79 LEE MENCH 45	1:03.32 RICHARD BOHAN 47	2:11.53 JIM MCCONICA 47	12:01.11 MICHAEL MCCOLLY 52
5:18.48 FRANK THOMPSON 46	1:03.39 ROBERT WHITLEY 48	2:12.21 RICHARD BOHAN 47	• 1650 YD FREESTYLE
5:20.29 KEITH BELL 49	1:04.76 CLAY A KOLAR 49	2:12.30 MAL JESTER 49	18:21.85 NICK LECLERCQ 97
5:22.56 WILLIAM REEVES 45	1:04.90 JIM CAPERS 46	2:12.42 WILLIAM REEVES 45	18:42.01 LEO FRENCH 50
• 1000 YD FREESTYLE	1:05.45 MAL JESTER 49	• 400 YD INDIVIDUAL MEDLEY	18:47.97 GEORGE F WENDT 50
10:18.11 TIM BRODERICK 96	1:06.11 DALE KORNER 45	4:26.93 RICK COLELLA 97	19:01.94 JIM LAWRIE 51
10:28.76 MIKE B SHERRILL 48	1:06.17 BRUCE MALLETTE 45	4:32.35 BRUCE MALLETTE 45	19:03.85 STEPHEN M JOHNSON 50
10:30.30 RANDY B WILLIAMS 46	1:06.29 RALPH S BOVARD 45	4:33.80 JIM MCCONICA 47	19:10.75 JIM MCCLEERY 52
10:32.96 R TOD SPIEKER 49	1:06.39 ROBERT PUELS 46	4:38.59 RANDY B WILLIAMS 46	19:15.17 WILLIAM CERNY 50
11:10.90 FRANK THOMPSON 46	1:06.75 GARY M MATYKO 45	4:38.80 FRED J SCHLICHER 49	19:16.77 BILL DARBY 50
11:14.26 KEITH BELL 49	• 200 YD BREASTSTROKE	4:40.57 GARY M MATYKO 45	19:21.03 JOHN FLANAGAN 52
11:14.54 MAL JESTER 49	2:15.89 ROBERT STRAND 94	4:40.70 R TOD SPIEKER 49	19:24.38 HUGH T WILDER 50
11:23.98 ROBERT STRAUSS 45	2:21.27 BRUCE MALLETTE 45	4:40.78 TOM PERRIN 47	19:51.19 JOHN R SULTAN 50
11:26.42 RALPH S BOVARD 45	2:21.86 DALE KORNER 45	4:43.91 WILLIAM REEVES 45	• 50 YD BACKSTROKE
11:26.45 PHIL DODSON 45	2:22.17 RICHARD BOHAN 47	4:44.97 STEVEN E HAUFLER 45	26.24 ROBERT SMITH 93
11:27.05 ROB BASTIEN 45	2:25.45 ROBERT WHITLEY 48	4:47.93 RICHARD BOHAN 47	26.37 DICK W THOMAS 50
• 1650 YD FREESTYLE	2:26.60 CLAY A KOLAR 49		26.44 HUGH T WILDER 50
17:12.43 JIM MCCONICA 96	2:26.93 GARY M MATYKO 45	MEN 50-54	26.82 TIM A BIRNIE 52
17:13.88 JIM MCCONICA 47	2:27.54 MAL JESTER 49	• 50 YD FREESTYLE	26.97 ROBERT SMITH 54
17:19.86 TODD A BRYAN 47	2:28.86 STEVEN E HAUFLER 45	21.73 RICHARD ABRAHAMS 98	26.98 BOB KOLONKOWSKI 50
17:45.00 CHRIS NOLL 45	2:29.56 ROBERT SELTZER 47	21.73 RICHARD ABRAHAMS 53	26.99 BRYAN J BATEMAN 50
18:00.67 R TOD SPIEKER 49	2:30.21 JOHN DERR 49	22.72 BRYAN J BATEMAN 50	27.58 ANDREW MC PHERSON 50
18:32.19 FRANK THOMPSON 46	• 50 YD BUTTERFLY	23.06 KEEFE LODWIG 54	27.85 DANIEL ROGACKI 50
18:38.00 KEITH BELL 49	24.05 DAN THOMPSON 94	23.10 ANDREW MC PHERSON 51	27.96 RICHARD BURNS 54
18:44.04 BILL PENN 46	24.37 BRUCE MALLETTE 45	23.31 BOB STRAND 52	28.10 JOHN PHILLIPS 50
18:52.01 RICK WALKER 47	24.59 GARY HALL 46	23.53 BOO GRANER GALLAS 50	• 100 YD BACKSTROKE
18:54.56 WILLIAM REEVES 45	24.63 TOM PERRIN 47	23.64 DANIEL ROGACKI 50	57.28 HUGH WILDER 98
18:59.93 JOEL R WILSON 49	24.65 KEVIN MCCORMACK 45	23.67 ROBERT SMITH 54	57.28 HUGH T WILDER 50
• 50 YD BACKSTROKE	24.93 BRAD V PENCE 46	23.79 GREGORY CHARLTON 50	57.86 TIM A BIRNIE 52
25.65 ROBERT SMITH 88	25.03 MARK D PUGLIESE 45	24.02 JIM DRAGON 53	57.94 DICK W THOMAS 50
26.62 MARK D PUGLIESE 45	25.27 ROBERT BROWN 45	• 100 YD FREESTYLE	59.89 BOB KOLONKOWSKI 50
27.07 BRUCE MALLETTE 45	25.28 FRED J SCHLICHER 49	48.80 RICHARD ABRAHAMS 98	59.97 DANIEL ROGACKI 50
27.07 GENE E HART 45	25.48 JERRY HEIDENREICH 48	48.80 RICHARD ABRAHAMS 53	1:00.18 RICHARD BURNS 54
27.31 WILLIAM TINGLEY 47	25.55 STEVE HECK 48	49.87 KEEFE LODWIG 54	1:00.77 JOHN PHILLIPS 51
27.34 JOHN M SPIRE 46	• 100 YD BUTTERFLY	49.96 BRYAN J BATEMAN 50	1:00.93 ROBERT SMITH 54
27.63 JOHN FITZGERALD 49	54.20 TOM PERRIN 98	51.33 BOO GRANER GALLAS 50	1:02.86 GREGORY GUSH 50
27.64 STEVE HECK 48	54.20 TOM PERRIN 47	51.88 DANIEL ROGACKI 50	1:05.11 LARRY D RINGER 50
27.88 J NATHAN LEECH 49	55.08 FRED J SCHLICHER 49	51.91 TIM A BIRNIE 52	• 200 YD BACKSTROKE
27.97 JERRY HEIDENREICH 48	55.12 BRUCE MALLETTE 45	52.25 DAVID QUIGGIN 53	2:07.88 TIM BIRNIE 96
28.11 STEPHEN MANN 45	55.34 KEVIN MCCORMACK 45	52.51 HUGH T WILDER 50	2:07.58 TIM A BIRNIE 52N9
• 100 YD BACKSTROKE	57.15 BRAD V PENCE 46	52.52 PAUL MC CORMICK 51	2:09.85 HUGH T WILDER 50
56.14 ROBERT SMITH 88	57.52 RANDY B WILLIAMS 46	52.80 RICHARD H WOODROW 54	2:13.27 RICHARD BURNS 54
57.51 TOM PERRIN 47	57.73 STEVE CRAVEN 48	• 200 YD FREESTYLE	2:14.34 BOB KOLONKOWSKI 50
57.87 BRUCE MALLETTE 45	57.82 STEPHEN BOSTER 47		2:14.47 JOHN PHILLIPS 51

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

2:15.34 DICK W THOMAS 50	56.70 ROBERT STRAND 98	5:31.51 ED CAZALETT 55	32.93 JAMES WHITE 55
2:17.81 DANIEL ROGACKI 50	56.70 ROBERT STRAND 52	5:35.48 TEX HARASZTI 56	33.10 RENDALL BANKS 55
2:19.72 JOHN LAWRENCE 51	58.59 ANDREW MC PHERSON 51	5:44.20 DRURY GALLAGHER 59	100 YD BREASTSTROKE
2:21.03 STEVEN R HIGHLEY 51	59.14 DANIEL ROGACKI 50	5:46.45 ALLAN CARTWRIGHT 56	1:06.67 DRURY GALLAGHER 95
2:21.91 GREG GUSH 50	59.56 RICHARD ABRAHAMS 53	5:53.19 WILLIAM VAN HORN 59	1:08.71 JACK SCHILTZ 55
50 YD BREASTSTROKE	1:00.42 DICK W THOMAS 50	5:53.82 CHARLES H RAVEN 59	1:10.35 TEX HARASZTI 56
28.00 ROBERT STRAND 98	1:01.14 ROBERT SMITH 54	6:00.95 TOM LANDIS 55	1:10.91 JACK MCCOY 57
28.00 ROBERT STRAND 52	1:01.52 TIM A BIRNIE 52	6:04.69 DAN T WILLERT 55	1:11.11 JACK LANCE 55
28.26 DON MC KENZIE 50	1:01.62 BRYAN BATEMAN 50	1000 YD FREESTYLE	1:12.05 MIKE LAUX 56
29.48 JOE COPLAN 52	1:01.87 THOMAS C NORTH 50	11:22.13 DRURY GALLAGHER 97	1:12.11 PETER MICHEL 55
30.39 DANIEL ROGACKI 50	1:01.98 MICHAEL G SLENKER 51	11:24.63 JACK GEOGHEGAN 55	1:12.36 MIKE FRESHLEY 57
30.49 JOHN ENTERLINE 51	200 YD INDIVIDUAL MEDLEY	11:42.62 TEX HARASZTI 56	1:12.42 DICK W POMEROY 55
30.57 SCOTT GUTHRIE 53	2:07.80 ROBERT STRAND 98	11:44.02 ALLAN CARTWRIGHT 56	1:13.81 LOUIS KRONFELD 55
30.72 KENNETH FROST JR 53	2:07.80 ROBERT STRAND 52	12:18.70 MIKE WAKE 56	1:14.12 WARNER F BRUNDAGE 55
30.80 G PAUL MENYHARTH 51	2:12.67 DANIEL ROGACKI 50	12:34.83 MEL GOLDSTEIN 59	200 YD BREASTSTROKE
31.04 BOB CAHILL 51	2:13.21 ANDREW MC PHERSON 51	12:37.04 DAN T WILLERT 55	2:31.23 DRURY GALLAGHER 95
31.06 JIM DRAGON 53	2:14.56 GEORGE F WENDT 50	12:43.55 TOM LANDIS 55	2:33.17 JACK SCHILTZ 55
100 YD BREASTSTROKE	2:14.95 BRYAN BATEMAN 50	12:44.51 WILL GOSNOLD 57	2:33.86 TEX HARASZTI 56
1:01.02 DON MCKENZIE 98	2:16.38 WILLIAM ABBOTT 51	12:55.41 ALAN SOMERS 56	2:35.30 DICK W POMEROY 55
1:01.02 DON MC KENZIE 50	2:16.41 JOHN FLANAGAN 52	12:59.44 GEORGE QUIGLEY 57	2:37.67 MIKE LAUX 56
1:01.95 ROBERT STRAND 52	2:16.53 JOHN R SULTAN 50	1650 YD FREESTYLE	2:38.90 MIKE FRESHLEY 57
1:03.91 JOE COPLAN 52	2:17.34 THOMAS C NORTH 50	19:01.25 SANDY GALLETTY 98	2:39.16 JACK MCCOY 57
1:06.97 DANIEL ROGACKI 50	2:17.96 DOUGLAS K MILLER 51	19:01.25 SANDY GALLETTY 55	2:39.52 JACK LANCE 55
1:07.39 KENNETH FROST JR 53	400 YD INDIVIDUAL MEDLEY	19:06.45 JACK GEOGHEGAN 55	2:40.66 MIKE WAKE 56
1:07.80 WILLIAM ABBOTT 51	4:39.70 TIMOTHY GARTON 93	19:47.50 TEX HARASZTI 56	2:41.86 WARNER F BRUNDAGE 55
1:08.58 G PAUL MENYHARTH 51	4:47.60 GEORGE F WENDT 50	20:33.02 CHARLES H RAVEN 59	2:45.11 PETER MICHEL 55
1:09.06 SCOTT GUTHRIE 53	4:49.27 DANIEL ROGACKI 50	20:36.58 WILLIAM VAN HORN 59	50 YD BUTTERFLY
1:09.06 SCOTT GUTHRIE 53	4:51.62 JOHN FLANAGAN 52	21:23.02 TOM LANDIS 56	25.59 JAMES ELDER 98
1:09.20 DENNIS SHIPPEY 52	4:53.00 BOB KOLONKOWSKI 50	21:25.33 ROBERT WILLIAMS 55	25.59 JAMES E ELDER 55
1:09.20 CHRIS OSTROM 52	4:56.88 JOHN R SULTAN 50	21:32.59 MEL GOLDSTEIN 59	26.49 MICHAEL MEALIFFE 57
200 YD BREASTSTROKE	5:00.28 ROGER D JORGENSEN 50	21:54.22 DAVID GIFFORD 57	26.56 RAY E ELLIS 55
2:17.16 ROBERT STRAND 96	5:01.93 ROBERT POILETMAN 54	22:06.52 JOSEPH R WALKER 56	27.01 BRYAN F RATHKE 55
2:18.50 ROBERT STRAND 52	5:04.07 VIRGIL DANIELS 50	50 YD BACKSTROKE	27.01 JAMES WHITE 55
2:23.24 DON MC KENZIE 50	5:05.13 BOB COUCH 51	27.82 JACK GEOGHEGAN 97	27.02 RICHARD A BASSI 57
2:27.71 GEORGE F WENDT 50	5:11.71 JIM LAWRIE 51	29.01 JACK GEOGHEGAN 55	27.62 JACK GEOGHEGAN 55
2:30.18 DANIEL ROGACKI 50		29.09 FRANS D NELSON 55	27.67 FRANS D NELSON 55
2:32.34 KENNETH FROST JR 53	MEN 55-59	29.65 RICHARD A BASSI 57	27.82 MIKE FRESHLEY 57
2:34.11 DAVE GEMMILL 50		29.80 EDWARD G CAZALET 55	27.90 BERT PETERSEN 59
2:34.47 ROBERT POILETMAN 54	50 YD FREESTYLE	30.54 MICHAEL MEALIFFE 57	100 YD BUTTERFLY
2:34.81 DENNIS MANRIQUE 52	22.99 JAMES ELDER 98	30.78 ORRIN NORDSTROM 57	58.77 TIMOTHY GARTON 98
2:35.27 GEORGE B BROWN 50	22.99 JAMES E ELDER 55	30.89 JOHN SMITH 59	58.77 TIMOTHY GARTON 55
2:35.75 PHILLIP WHITTEN 54	24.10 TIMOTHY GARTON 55	31.09 RICK EVANS 56	59.62 JAMES E ELDER 55
50 YD BUTTERFLY	24.15 JACK GEOGHEGAN 56	31.50 MIKE LAUX 56	1:00.42 JACK GEOGHEGAN 55
24.71 RICHARD ABRAHAMS 98	24.47 FRANS D NELSON 55	31.76 ROLFFS PINKERTON 59	1:02.07 RAY E ELLIS 55
24.71 RICHARD ABRAHAMS 53	24.80 JACK SCHILTZ 55	100 YD BACKSTROKE	1:03.15 ALLAN CARTWRIGHT 56
24.79 STEVE BOROWSKI 50	25.01 RAY E ELLIS 55	1:01.56 STEVEN THRASHER 97	1:04.30 HUGH J RODDIN 56
25.17 KEEFE LODWIG 54	25.01 JAMES WHITE 55	1:02.49 JACK GEOGHEGAN 56	1:04.50 PETER STRAKA 55
25.34 BRYAN J BATEMAN 50	25.23 PAUL A CHAFFEE 55	1:05.53 EDWARD G CAZALET 55	1:04.79 C WILLIAM MUTER 55
25.65 DICK W THOMAS 50	25.24 MIKE FRESHLEY 57	1:06.49 MICHAEL MEALIFFE 57	1:05.23 MIKE FRESHLEY 57
25.68 BOO GRANER GALLAS 50	25.30 WILL GOSNOLD 57	1:07.25 HUGH J RODDIN 56	1:05.47 MICHAEL MEALIFFE 57
25.86 ANDREW MC PHERSON 50	100 YD FREESTYLE	1:07.71 GARY CHASE 58	200 YD BUTTERFLY
25.92 JOEL BURNS 51	50.57 TIMOTHY GARTON 98	1:08.03 DRURY GALLAGHER 59	2:16.48 JACK GEOGHEGAN 97
26.11 STUART VANCE 50	50.57 TIMOTHY GARTON 55	1:09.18 GEORGE QUIGLEY 57	2:18.32 JACK GEOGHEGAN 56
26.12 RICK GOEDEN 51	53.17 JACK GEOGHEGAN 56	1:09.22 RICK EVANS 56	2:22.37 ALLAN CARTWRIGHT 56
100 YD BUTTERFLY	55.22 JACK LANCE 55	1:09.57 GORDON DEMEESTER 55	2:25.50 HUGH J RODDIN 56
54.48 RICHARD ABRAHAMS 98	55.37 MIKE FRESHLEY 57	1:10.70 ROLFFS PINKERTON 59	2:30.14 JAMES E ELDER 55
54.48 RICHARD ABRAHAMS 53	56.37 PAUL A CHAFFEE 55	200 YD BACKSTROKE	2:31.49 JEFFRY GALPER 55
55.99 BOO GRANER GALLAS 50	56.42 WILL GOSNOLD 57	2:15.33 ED CAZALETT 98	2:33.37 TIM TIMKEN 59
57.42 ANDREW MC PHERSON 51	56.51 RAY ELLIS 55	2:15.33 ED CAZALETT 55	2:40.10 MEL GOLDSTEIN 59
57.52 JOEL J BURNS 51	56.61 JAMES WHITE 55	2:23.25 JACK GEOGHEGAN 55	2:41.87 JACK MCCOY 57
58.11 ROBERT POILETMAN 54	56.98 DAN T WILLERT 55	2:27.52 HUGH J RODDIN 56	2:42.00 PETER STRAKA 55
58.63 JOHN FLANAGAN 51	57.23 CHARLES H RAVEN 59	2:28.89 DRURY GALLAGHER 59	2:48.71 LARRY RAFFAELLI 55
59.00 WILLIAM ABBOTT 51	200 YD FREESTYLE	2:29.84 ERIC JENSEN 57	100 YD INDIVIDUAL MEDLEY
59.02 BOB KOLONKOWSKI 50	1:52.90 TIMOTHY GARTON 98	2:32.39 GORDON DEMEESTER 55	58.79 TIMOTHY GARTON 98
59.28 DICK W THOMAS 50	1:52.90 TIMOTHY GARTON 55	2:32.85 GEORGE QUIGLEY 57	58.79 TIMOTHY GARTON 55
59.85 ROGERS JONES 50	1:59.37 ED CAZALETT 55	2:33.13 LARRY RAFFAELLI 55	1:01.84 JAMES E ELDER 55
200 YD BUTTERFLY	1:59.43 JACK GEOGHEGAN 56	2:33.80 JOHN SMITH 59	1:02.30 ED CAZALETT 55
2:05.32 BOO GRANER GALLAS 98	2:05.17 DRURY GALLAGHER 59	2:34.18 DAVID ROBINSON 58	1:02.63 JACK SCHILTZ 55
2:05.32 BOO GRANER GALLAS 50	2:06.23 JACK SCHILTZ 55	50 YD BREASTSTROKE	1:02.89 JACK GEOGHEGAN 55
2:10.69 ROBERT POILETMAN 54	2:07.28 ALLAN CARTWRIGHT 56	30.18 MANUEL SANGUILY 89	1:04.23 RAY E ELLIS 55
2:14.05 BOB KOLONKOWSKI 50	2:07.65 MIKE WAKE 56	31.26 JACK SCHILTZ 55	1:05.22 JACK LANCE 55
2:14.61 JOHN FLANAGAN 52	2:08.23 WILL GOSNOLD 57	31.27 JACK MCCOY 57	1:05.38 MIKE FRESHLEY 57
2:15.89 DOUGLAS K MILLER 51	2:08.33 TOM LANDIS 56	32.03 FRANS D NELSON 55	1:05.47 MICHAEL MEALIFFE 57
2:16.97 JOEL J BURNS 51	2:08.38 WILLIAM VAN HORN 59	32.27 TEX HARASZTI 56	1:05.56 TEX HARASZTI 56
2:20.62 LELAND H FAUST 51	500 YD FREESTYLE	32.53 MIKE LAUX 56	200 YD INDIVIDUAL MEDLEY
2:24.42 RANDY I BROWN 50	5:22.70 JACK GEOGHEGAN 97	32.65 JACK LANCE 55	2:09.92 TIMOTHY GARTON 98
2:26.09 JOHN R SULTAN 50	5:27.64 SANDY GALLETTY 55	32.69 PETER MICHEL 55	2:09.92 TIMOTHY GARTON 55
2:27.08 JOHN ZIEGENHAGEN 51	5:28.18 JACK GEOGHEGAN 55	32.87 MIKE FRESHLEY 57	2:17.95 ED CAZALETT 55
100 YD INDIVIDUAL MEDLEY			

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

2:18.80 JACK GEOGHEGAN 56	13:21.91 DENNIS A O'BRIEN 62	• 200 YD BREASTSTROKE	6:01.04 LARRY GOOD 63
2:21.39 ALLAN CARTWRIGHT 56	13:34.79 A EMORY HAWORTH 62	2:39.95 MANUEL SANGUILY 93	6:04.99 BUDDY BELSHE 64
2:22.75 SANDY GALLETLY 55	13:56.79 CARL CHRISTENSEN 60	2:43.90 BOB W PATTEN 63	6:07.65 JOHN MEDICI 60
2:24.36 MIKE FRESHLEY 57	13:59.40 BARRY FASBENDER 60	2:47.69 DENNIS O'BRIEN 62	6:07.98 ALAN S RAPPERPORT 64
2:28.37 HUGH J RODDIN 56	14:11.14 DAVID FORTSCH 63	2:50.48 DICK A PETERSON 61	6:08.41 BARRY A FASBENDER 60
2:29.38 WARNER F BRUNDAGE 55	• 1650 YD FREESTYLE	2:51.37 BOB JOHNSTON 61	6:08.45 WILLIAM JONES 60
2:30.06 RICK EVANS 56	19:28.49 GRAHAM JOHNSTON 95	2:54.38 A EMORY HAWORTH 62	
2:30.45 C WILLIAM MUTER 55	20:22.58 DAVID P HARRISON 60	2:54.46 D BARR CLAYSON 62	MEN 65-69
• 400 YD INDIVIDUAL MEDLEY	22:00.85 DAVID RADCLIFF 63	2:56.38 JERRY R MYERS 60	
4:56.23 DRURY GALLAGHER 97	22:12.46 BUDDY BELSHE 64	2:56.58 MILTON C GEE 61	• 50 YD FREESTYLE
4:58.25 JACK GEOGHEGAN 55	22:15.19 EMORY A HAWORTH 62	2:56.75 JOHN MEDICI 60	25.09 DONALD HILL 98
4:59.85 ED CAZALET 55	22:44.66 LARRY GOOD 63	2:59.14 SID HALL 62	25.09 DONALD P HILL 66
5:03.12 ALLAN CARTWRIGHT 56	23:03.13 BARRY A FASBENDER 60	• 50 YD BUTTERFLY	25.55 RONALD L JOHNSON 66
5:05.87 SANDY GALLETLY 55	23:36.49 CHARLES MAAS 63	27.12 JEFF FARRELL 98	26.93 PHILIP D CHAPMAN 67
5:21.17 C WILLIAM MUTER 55	23:41.05 BILL EARLEY 61	27.12 JEFF FARRELL 61	27.25 BOB BEST 65
5:24.42 HUGH RODDIN 56	24:05.89 ELMER J EGELKRAUT 64	27.82 BOB BAILIE 62	27.43 CHUCK BALDWIN 67
5:24.76 MIKE LAUX 56	24:48.53 DICK CHISHOLM 63	28.53 CAV CAVANAUGH 62	27.51 JOHN D KORTHEUER 67
5:31.89 RICK EVANS 56	• 50 YD BACKSTROKE	28.98 WALLY DOBLER 64	27.54 DONALD BAKER 67
5:39.32 DAVID GIFFORD 57	29.50 YOSHI OYAKAWA 97	29.42 PETER TAFT 62	27.54 JOHN RIES 66
5:40.14 JACK MCCOY 57	30.36 YOSHI OYAKAWA 64	29.69 JOHN R MCGILL 62	27.98 HERB KERN 66
	30.80 BILL EARLEY 61	29.79 DENNIS A O'BRIEN 62	28.19 DICK WEBBER 68
MEN 60-64	31.55 JERRY GLANCY 60	30.53 BILL EARLEY 61	• 100 YD FREESTYLE
• 50 YD FREESTYLE	31.61 D BARR CLAYSON 62	30.62 A EMORY HAWORTH 61	56.24 PETER POWLISON 87
23.28 JEFF FARRELL 97	31.69 JEFF FARRELL 61	31.58 DAVID RADCLIFF 63	57.23 DONALD P HILL 66
23.57 JEFF FARRELL 61	32.64 CARL CHRISTENSEN 60	• 100 YD BUTTERFLY	58.82 RON JOHNSON 66
24.52 CAV CAVANAUGH 62	33.11 MARSHALL GREER 61	1:03.09 DAVID COSTILL 97	1:00.53 DONALD BAKER 67
24.73 JERRY CLARK 60	33.12 DAVID MCINTYRE 60	1:04.41 JEFF FARRELL 61	1:00.80 GRAHAM JOHNSTON 66
25.65 BOB BAILIE 62	33.43 BOB BAILIE 62	1:07.40 DENNIS A O'BRIEN 62	1:01.47 JOHN L RIES 66
26.38 JERRY R MYERS 60	33.45 DONALD L BROWN 64	1:09.53 WALLY DOBLER 64	1:02.25 BOB BEST 65
26.40 DAVID A RADCLIFF 64	• 100 YD BACKSTROKE	1:11.48 BARRY A FASBENDER 60	1:02.83 PHILIP D CHAPMAN 67
26.57 DAVID MCINTYRE 60	1:05.09 DON BROWN 94	1:11.51 EMORY A HAWORTH 62	1:03.05 PETER VAN DIJK 69
26.59 GARY BEZELLA 60	1:06.55 JERRY GLANCY 60	1:12.28 JOHN R MCGILL 62	1:04.16 DAVE ANDERSON 66
26.60 PETER TAFT 62	1:06.83 YOSHI OYAKAWA 64	1:12.42 BOB BAILIE 62	1:04.60 FRED LEHMAN 67
26.66 BILL EARLEY 61	1:10.37 JACK R BEATTIE 63	1:12.56 WILLIAM JONES 60	• 200 YD FREESTYLE
• 100 YD FREESTYLE	1:11.25 DONALD L BROWN 64	1:13.43 ERNIE LESKOVITZ 61	2:06.63 GRAHAM JOHNSTON 97
52.03 JEFF FARRELL 97	1:11.30 BILL EARLEY 61	1:13.88 BOB W PATTEN 63	2:09.86 DONALD P HILL 66
53.21 JEFF FARRELL 61	1:12.43 JOHN R MCGILL 62	• 200 YD BUTTERFLY	2:18.70 JOHN RIES 66
55.62 JERRY CLARK 60	1:12.50 D BARR CLAYSON 62	2:29.92 DAVID COSTILL 96	2:23.23 HERB KERN 66
55.74 CAV CAVANAUGH 62	1:15.90 MARSHALL GREER 61	2:38.50 DENNIS A O'BRIEN 62	2:24.70 WAYNE LEENGRAN 67
57.52 BOB BAILIE 62	1:16.20 DICK A PETERSON 60	2:51.48 EMORY A HAWORTH 62	2:24.97 DONALD BAKER 67
57.88 DAVID A RADCLIFF 64	1:16.29 LARRY GOOD 63	2:53.45 BARRY A FASBENDER 60	2:25.12 DAVE ANDERSON 66
58.39 DAVID P HARRISON 60	• 200 YD BACKSTROKE	2:57.58 WILLIAM JONES 60	2:26.16 FRED O LEHMAN 67
59.02 JERRY R MYERS 60	2:23.30 DON BROWN 94	2:57.83 WILLIAM LAUER 63	2:29.08 BARNEY HUNGERFORD 65
59.31 DREN GEER 64	2:27.41 JERRY GLANCY 60	2:58.23 DREN GEER 64	2:29.80 CHUCK BALDWIN 67
59.47 PETER TAFT 62	2:37.46 DONALD L BROWN 64	3:10.73 ROBERT A FOX 61	2:30.90 JAMES T PITTS 67
1:00.06 BILL EARLEY 61	2:38.12 JACK R BEATTIE 63	3:14.69 SAM CHILTON 63	• 500 YD FREESTYLE
• 200 YD FREESTYLE	2:38.29 D BARR CLAYSON 62	3:19.86 CHARLES MAAS 63	5:44.52 GRAHAM JOHNSTON 97
1:59.62 JEFF FARRELL 97	2:39.17 LARRY GOOD 63	3:26.32 MARK A PLUMMER 61	5:59.79 GRAHAM JOHNSTON 66
2:01.36 JEFF FARRELL 61	2:39.56 BILL EARLEY 61	• 100 YD INDIVIDUAL MEDLEY	6:06.52 DONALD P HILL 66
2:06.51 CAV CAVANAUGH 62	2:40.00 JOHN R MCGILL 62	1:02.52 JEFF FARRELL 97	6:35.40 WAYNE LEENGRAN 67
2:08.23 DAVID P HARRISON 60	2:44.49 DREN GEER 64	1:03.36 JEFF FARRELL 61	6:41.48 DAVE ANDERSON 66
2:08.45 JERRY CLARK 60	2:48.54 JOHN MEDICI 60	1:08.01 CAV CAVANAUGH 62	6:47.41 BARNEY HUNGERFORD 65
2:09.95 DAVID A RADCLIFF 64	2:48.67 ALAN S RAPPERPORT 64	1:08.44 TIM C THORNTON 61	6:48.44 FRED LEHMAN 67
2:12.08 TIM C THORNTON 61	• 50 YD BREASTSTROKE	1:08.47 BILL EARLEY 61	6:53.10 BOB BEST 65
2:13.61 JERRY GLANCY 60	31.34 MANUEL SANGUILY 93	1:09.22 DICK A PETERSON 61	6:58.39 STEPHEN MULLINS 65
2:17.42 DICK A PETERSON 61	32.52 DAVE DABOLL 61	1:09.78 WALLY DOBLER 64	7:00.54 ARNIE GREEN 66
2:20.10 DREN GEER 64	33.12 JEFF FARRELL 61	1:12.75 PETER TAFT 62	7:01.22 KEN KIMBALL 67
2:20.11 PETE MAGEE 60	33.34 BOB JOHNSTON 61	1:13.25 DONALD L BROWN 64	• 1000 YD FREESTYLE
• 500 YD FREESTYLE	33.92 MILTON GEE 61	1:13.31 PETE MAGEE 60	11:49.31 GRAHAM JOHNSTON 97
5:36.90 GRAHAM JOHNSTON 95	34.36 JERRY R MYERS 60	1:13.36 DAVID MCINTYRE 60	12:51.40 GRAHAM JOHNSTON 66
5:42.89 DAVID P HARRISON 60	34.50 BOB W PATTEN 63	• 200 YD INDIVIDUAL MEDLEY	13:44.33 WAYNE LEENGRAN 67
5:59.01 DAVID A RADCLIFF 64	34.77 D BARR CLAYSON 62	2:23.70 JEFF FARRELL 97	14:09.99 FRED LEHMAN 67
6:00.47 CAV CAVANAUGH 62	35.10 STAN MORNER 63	2:33.28 DICK A PETERSON 61	14:20.00 ARTHUR C WELCH 65
6:01.70 JERRY CLARK 60	35.35 SID HALL 62	2:35.58 JOHN R MCGILL 62	14:26.92 STEPHEN MULLINS 65
6:10.76 JERRY GLANCY 60	35.66 TIM C THORNTON 61	2:37.24 WALLY DOBLER 64	14:39.08 ARNIE GREEN 65
6:11.13 TIM C THORNTON 61	35.66 DICK A PETERSON 61	2:43.08 LARRY GOOD 63	14:42.72 BOB HERITIER 69
6:22.43 DICK A PETERSON 61	• 100 YD BREASTSTROKE	2:43.17 WILLIAM LAUER 63	14:45.35 B HUNGERFORD 65
6:28.13 ERNIE LESKOVITZ 61	1:10.08 MANUEL SANGUILY 93	2:43.49 BILL EARLEY 61	14:50.24 ROGER C CAMPBELL 67
6:29.30 BUDDY BELSHE 64	1:14.51 BOB W PATTEN 63	2:44.23 A EMORY HAWORTH 62	14:54.47 PAUL KIELL 67
6:35.56 A EMORY HAWORTH 62	1:15.04 BOB JOHNSTON 61	2:45.03 BOB BAILIE 62	• 1650 YD FREESTYLE
• 1000 YD FREESTYLE	1:15.08 DAVE DABOLL 61	2:46.73 BUDDY BELSHE 64	20:00.61 GRAHAM JOHNSTON 97
11:46.48 GRAHAM JOHNSTON 95	1:16.75 JERRY R MYERS 60	2:46.88 PETE MAGEE 60	21:14.73 GRAHAM JOHNSTON 66
12:15.36 DAVID HARRISON 60	1:17.71 DICK A PETERSON 61	• 400 YD INDIVIDUAL MEDLEY	21:46.10 DONALD P HILL 66
12:34.26 DAVID A RADCLIFF 64	1:17.80 MILTON GEE 61	5:18.48 DAVID COSTILL 96	22:44.52 WAYNE LEENGRAN 67
12:46.60 JERRY CLARK 60	1:18.23 EMORY A HAWORTH 62	5:34.53 DENNIS A O'BRIEN 62	23:28.74 FRED O LEHMAN 67
12:59.34 BUDDY BELSHE 64	1:19.55 SID HALL 62	5:35.65 DICK A PETERSON 61	23:33.52 DAVE ANDERSON 66
13:18.36 LARRY GOOD 63	1:19.59 D BARR CLAYSON 62	5:55.34 EMORY A HAWORTH 62	24:01.74 STEPHEN MULLINS 65
	1:19.73 JOHN MEDICI 60	5:58.77 WILLIAM LAUER 63	24:50.11 BARNEY HUNGERFORD 65

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24:53.67 ROGER C CAMPBELL 67	27.80 RONALD L JOHNSON 66	28.90 DUANE DRAVES 71	38.40 GEORGE ERSWELL 71
25:01.61 PAUL KIELL 67	29.85 HERB KERN 66	29.21 PAUL HUTINGER 73	100 YD BACKSTROKE
25:18.83 ARNIE GREEN 66	29.85 JOHN D KORTHEUER 67	29.78 WILLIAM PHILLIPS 70	1:11.56 PAUL HUTINGER 95
50 YD BACKSTROKE	31.64 BOB BEST 65	29.91 DONALD HUBBARD 70	1:12.88 ROGER G FRANKS 71
30.63 RONALD JOHNSON 98	31.69 CHUCK BALDWIN 67	30.01 ROBERT BLAKE 73	1:14.51 PAUL HUTINGER 73
30.63 RON JOHNSON 66	32.16 CLARKE MITCHELL 65	30.61 WIN WILSON 71	1:16.82 DUANE DRAVES 71
32.29 CLARK E MITCHELL 65	32.81 DICK WEBBER 68	30.79 THOMAS SMITH 70	1:19.58 THOMAS E SMITH 70
33.74 PETER VAN DIJK 69	33.23 PARRY O'BRIEN 66	100 YD FREESTYLE	1:21.02 WILLIAM HAYNES 71
34.47 RICHARD L BENNETT 67	33.25 JOHN BLECK 65	1:00.80 FRANK PIEMME 95	1:22.52 FRANK P CAMPBELL 72
35.61 HORACE KNOWLTON 68	33.27 AARON KURTZMAN 68	1:01.23 FRANK PIEMME 73	1:23.36 DALE WEBSTER 72
35.81 KEN KIMBALL 67	100 YD BUTTERFLY	1:03.00 WILLIAM PHILLIPS 70	1:24.98 JOHN MURPHY 73
35.83 ROBERT COULTER 65	1:07.69 RONALD JOHNSON 97	1:05.38 DUANE DRAVES 71	1:28.44 GEORGE BRINTON 73
35.85 GRAHAM JOHNSTON 66	1:08.32 RONALD L JOHNSON 66	1:05.43 WIN B WILSON 71	1:29.31 JACK O TRUBY 73
35.88 ROBERT WEDDELL 67	1:15.68 HERB KERN 66	1:06.20 AL CRAIG 70	200 YD BACKSTROKE
36.03 KEN G POLLOCK 65	1:16.27 BOB BEST 65	1:06.22 WILLIAM J IRWIN 70	2:39.45 ROGER FRANKS 98
36.03 ARNIE GREEN 65	1:16.97 JOHN R MASTERS 67	1:08.02 GEORGE ERSWELL 70	2:39.45 ROGER G FRANKS 71
100 YD BACKSTROKE	1:19.19 CHARLES MOSS 69	1:08.45 ED KERSWILL 72	2:52.19 PAUL HUTINGER 73
1:09.74 RONALD JOHNSON 97	1:19.50 CLARKE MITCHELL 65	1:09.12 THOMAS SMITH 70	3:00.77 RALPH F PERRY 71
1:10.34 RONALD L JOHNSON 66	1:22.47 JOHN F LENARD 66	1:09.70 ROGER FRANKS 71	3:04.53 WILLIAM HAYNES 71
1:13.33 CLARK E MITCHELL 65	1:23.18 MIKE J TORSNEY 68	200 YD FREESTYLE	3:06.31 WIN WILSON 71
1:15.57 PETER VAN DIJK 69	1:25.11 AARON KURTZMAN 68	2:15.58 WILLIAM PHILLIPS 98	3:09.02 DALE WEBSTER 72
1:16.28 RICHARD L BENNETT 67	1:26.33 NORMAN E STUPFEL 65	2:15.58 WILLIAM PHILLIPS 70	3:12.38 FRANK P CAMPBELL 72
1:17.88 HORACE KNOWLTON 68	200 YD BUTTERFLY	2:20.07 FRANK PIEMME 73	3:13.39 LEE ARTH 73
1:19.96 KEN KIMBALL 67	2:41.99 CHARLES MOSS 93	2:25.92 ROGER G FRANKS 71	3:15.81 W BYERS 70
1:20.45 GORDON H GILLIN 67	2:48.08 RON JOHNSON 66	2:26.19 WILLIAM J IRWIN 70	3:16.77 THOMAS MAINE 72
1:20.88 ARNIE GREEN 66	2:54.29 JOHN R MASTERS 67	2:26.66 DUANE DRAVES 71	50 YD BREASTSTROKE
1:21.14 STAN MC CONNELL 66	2:57.76 HERB KERN 66	2:29.37 WIN B WILSON 71	35.35 BARTON GREENBERG 95
1:22.10 KEN G POLLOCK 65	3:09.01 CHARLES MOSS 69	2:35.20 WILLIS MOORE 70	37.02 BARTON GREENBERG 73
200 YD BACKSTROKE	3:10.20 JOHN F LENARD 66	2:35.30 ED KERSWILL 72	37.21 WILLIAM J IRWIN 70
2:30.53 ROGER FRANKS 93	3:11.09 ROBERT KUENY 67	2:37.07 FRED W TRASK 70	37.59 AL CRAIG 70
2:40.89 CLARKE MITCHELL 65	3:16.20 MIKE J TORSNEY 68	2:37.75 W BYERS 70	37.78 JOSEPH L KURTZMAN 71
2:46.77 HORACE KNOWLTON 68	3:22.86 GORDON H GILLIN 67	500 YD FREESTYLE	38.06 TED HAARTZ 70
2:48.43 RICHARD L BENNETT 67	3:23.84 ART TEBBENS 68	6:12.46 WILLIAM PHILLIPS 98	38.08 PAUL W HUTINGER 73
2:53.54 PETER VAN DIJK 69	3:24.75 NORMAN E STUPFEL 65	6:12.46 WILLIAM PHILLIPS 70	38.43 FRED LEIPZIGER 70
2:58.25 KEN KIMBALL 67	100 YD INDIVIDUAL MEDLEY	6:32.38 FRANK PIEMME 73	38.51 FRANK PIEMME 73
2:59.69 GORDON H GILLIN 67	1:05.65 RONALD JOHNSON 98	6:40.09 ROGER FRANKS 71	38.54 NORMAN GARSOE 73
3:00.33 STAN MC CONNELL 66	1:05.65 RONALD L JOHNSON 66	6:43.84 WIN B WILSON 71	38.63 MATTHEW FLANAGAN 71
3:00.41 JOHN BLECK 65	1:09.73 JOHN D KORTHEUER 67	6:59.56 DUANE DRAVES 71	100 YD BREASTSTROKE
3:01.19 LOU MCCOMAS 65	1:12.29 BOB BEST 65	7:11.32 W MORGAN BYERS 70	1:19.95 BARTON GREENBERG 95
3:01.21 KEN POLLOCK 65	1:13.44 HERB KERN 66	7:11.97 ED KERSWILL 72	1:22.55 BARTON GREENBERG 73
50 YD BREASTSTROKE	1:13.46 GRAHAM JOHNSTON 66	7:16.81 FRED W TRASK 70	1:23.82 TED HAARTZ 70
32.91 NICK TEMPLEMAN 97	1:14.43 CLARK E MITCHELL 65	7:31.53 MO MATHESUS 70	1:25.03 AL CRAIG 70
33.31 JOHN D KORTHEUER 67	1:14.54 DONALD BAKER 67	7:31.75 PAUL HUTINGER 73	1:26.22 FRED LEIPZIGER 70
33.68 RON TAYLOR 65	1:16.14 ROBERT MACDONALD 69	1000 YD FREESTYLE	1:26.35 THOMAS SMITH 70
33.86 RON JOHNSON 66	1:16.81 C WEATHERBEE 65	12:53.77 WILLIAM PHILLIPS 98	1:28.08 FRANK PIEMME 73
34.05 BOB BEST 65	1:17.90 CHARLES MOSS 69	12:52.98 WILLIAM PHILLIPS 70NV	1:28.39 DUANE DRAVES 71
35.75 MYRON W LOCKEY 66	200 YD INDIVIDUAL MEDLEY	13:39.39 ROGER FRANKS 71	1:29.18 MO MATHESUS 70
36.02 JOHN R MASTERS 67	2:33.64 RONALD JOHNSON 98	13:39.39 ROGER FRANKS 71	1:29.87 GEORGE MCVEY 70
36.03 THOMAS KOENIG 65	2:33.64 RON JOHNSON 66	13:42.19 WIN B WILSON 71	1:31.02 ROGER G FRANKS 71
36.47 AARON KURTZMAN 68	2:42.02 HERB KERN 66	14:04.28 FRANK PIEMME 73	200 YD BREASTSTROKE
36.52 PHILIP D CHAPMAN 67	2:47.53 JOHN R MASTERS 67	14:35.31 ED KERSWILL 72	3:01.23 FRANK PIEMME 96
36.52 NORMAN E STUPFEL 65	2:48.57 BOB BEST 65	15:19.58 FRED W TRASK 70	3:01.83 TED HAARTZ 70
100 YD BREASTSTROKE	2:49.08 JOHN KORTHEUER 66	15:37.33 W MORGAN BYERS 70	3:03.25 AL CRAIG 70
1:13.78 NICK TEMPLEMAN 97	2:50.07 CLARK E MITCHELL 65	15:47.26 JOHN R DAILY 70	3:06.28 BARTON GREENBERG 73
1:14.88 JOHN D KORTHEUER 67	2:50.48 DONALD BAKER 67	16:00.77 FARRELL DEVLIN 70	3:08.71 FRANK PIEMME 73
1:15.00 RON JOHNSON 66	2:54.25 CHARLES MOSS 69	1650 YD FREESTYLE	3:14.62 PAUL HUTINGER 73
1:16.87 RON TAYLOR 65	2:57.59 ROBERT KUENY 67	22:18.56 FRANK PIEMME 96	3:18.12 FRED LEIPZIGER 70
1:18.23 BOB BEST 65	2:57.79 JOHN F LENARD 66	22:05.90 WILLIAM PHILLIPS 70NV	3:19.61 MO MATHESUS 70
1:21.51 ROBERT MAC DONALD 69	400 YD INDIVIDUAL MEDLEY	22:41.59 ROGER FRANKS 71	3:21.89 THOMAS MAINE 72
1:21.53 JOHN R MASTERS 67	5:26.41 GRAHAM JOHNSTON 97	25:13.18 W BYERS 70	3:26.21 LEE ARTH 73
1:22.65 FRANK B NIEMAN 65	6:01.41 HERB KERN 66	25:28.99 FRED W TRASK 70	3:29.59 JOHN E EMANUEL 73
1:23.19 THOMAS KOENIG 66	6:06.32 JOHN R MASTERS 67	26:27.57 JOHN DAILY 70	50 YD BUTTERFLY
1:23.46 NORMAN E STUPFEL 65	6:18.54 CHARLES MOSS 69	26:56.18 ELMER LUKE 71	30.21 FRANK PIEMME 98
1:23.61 MYRON W LOCKEY 66	6:27.88 ROBERT KUENY 67	27:15.22 CALVIN BARNES 74	30.21 FRANK PIEMME 73
200 YD BREASTSTROKE	6:29.79 CLARKE MITCHELL 65	27:27.42 LOU SILVERSTEIN 71	32.47 DONALD HUBBARD 70
2:47.18 RONALD JOHNSON 98	6:32.16 GORDON H GILLIN 67	27:49.16 DON H KORTEN 71	32.55 PAUL HUTINGER 73
2:47.18 RON JOHNSON 66	6:34.27 JOHN F LENARD 66	29:18.32 JOAQUIN SILVERIO 71	32.69 WILLIAM J IRWIN 70
2:50.98 JOHN D KORTHEUER 67	6:39.12 C WEATHERBEE 65	50 YD BACKSTROKE	33.06 WIN B WILSON 71
2:58.30 BOB BEST 65	6:46.09 STEPHEN MULLINS 65	31.84 PAUL HUTINGER 95	33.30 THOMAS SMITH 70
3:02.39 ROBERT MACDONALD 69	6:47.34 MIKE TORSNEY 67	33.82 PAUL HUTINGER 73	33.50 JOSEPH L KURTZMAN 72
3:03.70 FRANK B NIEMAN 65		35.36 THOMAS E SMITH 70	35.59 MATTHEW FLANAGAN 71
3:09.86 JOHN BLECK 65	MEN 70-74	36.13 ROGER FRANKS 71	37.78 LUMAN SUTTON 71
3:10.25 NORMAN E STUPFEL 65		36.19 DALE WEBSTER 72	37.87 TED BREEN 70
3:11.67 MYRON W LOCKEY 66	50 YD FREESTYLE	36.46 FRANK PIEMME 73	100 YD BUTTERFLY
3:12.10 JOHN VAN HORN 65	26.70 FRANK PIEMME 98	36.82 FRANK P CAMPBELL 72	1:14.73 WIN WILSON 97
3:14.13 KENNETH FLYNN 68	26.70 FRANK PIEMME 73	37.44 RALPH F PERRY 71	1:15.80 WIN B WILSON 71
50 YD BUTTERFLY	28.11 AL CRAIG 70	37.44 JOHN MURPHY 73	1:21.11 JOSEPH L KURTZMAN 72
27.80 RONALD JOHNSON 98	28.89 WILLIAM J IRWIN 70	37.67 WILLIAM HAYNES 71	1:22.73 THOMAS E SMITH 70

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

1:25.66 THOMAS MAINE 72	1:18.19 GILBERT YOUNG 75	3:09.19 RAYMOND F TAFT 77	6:48.10 T R JOHNSON 75
1:26.42 DUANE DRAVES 71	1:19.31 ROBERT MOSARD 77	3:18.79 JAMES EDWARDS 75	6:57.94 REGINALD MC HUGH 78
1:27.20 DONALD HUBBARD 70	1:20.43 LOUIS GIBERSON 77	3:20.56 HARRY LIBER 79	7:15.65 FRANK SCARANO 78
1:28.78 ROGER FRANKS 71	1:20.60 JAMES WELCH 79	3:24.39 JOHN F BRICKER 77	▪ 100 YD INDIVIDUAL MEDLEY
1:33.01 ART KELLEY 72	▪ 200 YD FREESTYLE	3:36.00 RAYMOND HAKOMAKI 77	1:16.12 RAY TAFT 95
1:33.49 LUMAN SUTTON 70	2:27.09 RAY TAFT 95	3:38.62 JOHN WIESE 75	1:21.98 RAYMOND F TAFT 78
1:35.41 LEE ARTH 73	2:36.63 JURGEN SCHMIDT 75	3:39.89 JOHN CRANCH 75	1:25.01 ANDREW HOLDEN 78
▪ 200 YD BUTTERFLY	2:36.73 JOHN R FLORANCE 75	3:40.95 EARL WALTER 76	1:25.30 JURGEN SCHMIDT 75
2:53.57 JOSEPH KURTZMAN 96	2:42.09 RAYMOND F TAFT 77	3:41.29 GILBERT N YOUNG 76	1:25.97 BOB MERRICK 77
3:08.42 JOSEPH L KURTZMAN 72	2:51.74 JAMES K EDWARDS 75	3:43.88 ELLIOTT SCHOFIELD 75	1:30.12 MAX VON ISSER 78
3:14.24 ROGER FRANKS 71	2:53.37 GILBERT YOUNG 75	▪ 50 YD BREASTSTROKE	1:33.35 EARL WALTER 76
3:15.84 THOMAS O MAINE 72	2:54.18 BOB MERRICK 77	37.59 PAUL KRUP 93	1:35.09 JIM PENDERGRASS 79
3:24.52 LEE ARTH 73	3:02.84 ROBERT MOSARD 76	40.82 MAX VON ISSER 78	1:40.57 DON GREETHAM 76
3:32.76 ART KOBLISH 74	3:03.59 JAMES WELCH 79	41.70 ABRASA BRAININ 75	1:41.03 BOB ACKER 76
3:35.36 DONALD HUBBARD 70	3:08.47 FRED TAIOLI 77	41.71 BOB MERRICK 77	1:42.67 TOM MC CALL 75
3:39.88 DON KORTEN 71	3:13.54 TOM MC CALL 75	43.58 RAYMOND F TAFT 77	▪ 200 YD INDIVIDUAL MEDLEY
3:41.62 ART KELLEY 72	▪ 500 YD FREESTYLE	44.21 RAYMOND HAKOMAKI 77	2:54.67 RAYMOND TAFT 95
3:41.63 THOMAS BOLENBAUGH 70	7:00.88 RAY TAFT 95	44.49 RICHARD AVERY 75	3:04.58 RAYMOND F TAFT 77
3:45.79 BRUNO WEBER 70	7:08.41 JURGEN SCHMIDT 75	45.36 WALTER LYNCH 76	3:16.09 JURGEN SCHMIDT 75
▪ 100 YD INDIVIDUAL MEDLEY	7:42.61 JAMES EDWARDS 75	45.66 ANDREW HOLDEN 78	3:23.49 BOB MERRICK 77
1:11.72 FRANK PIEMME 95	7:48.79 RAYMOND F TAFT 78	45.96 JACK R HUBER 75	3:37.72 JIM PENDERGRASS 79
1:13.97 FRANK PIEMME 73	7:51.20 GILBERT N YOUNG 76	46.14 JOHN R FLORANCE 75	3:39.44 GERALD HUESTIS 77
1:15.26 PAUL HUTINGER 73	7:54.52 FRED TAIOLI 77	▪ 100 YD BREASTSTROKE	3:43.00 EARL WALTER 76
1:15.33 THOMAS SMITH 70	8:18.45 BOB MERRICK 77	1:25.80 ALDO DA ROSA 93	3:45.27 TOM MC CALL 75
1:15.97 DUANE DRAVES 71	8:19.92 JAMES WELCH 79	1:32.19 MAX VON ISSER 77	3:46.96 JAMES WORREL 75
1:17.80 FRED LEIPZIGER 70	8:42.78 ELLIOTT SCHOFIELD 75	1:32.38 BOB MERRICK 77	3:54.38 DICK MARGERUM 77
1:18.46 WILLIAM J IRWIN 70	8:44.20 TOM MC CALL 75	1:36.43 RAYMOND HAKOMAKI 77	3:55.23 BILL STADIG 75
1:19.35 GEORGE A ERSWELL 71	8:50.52 JACK R HUBER 75	1:37.88 ABRASA BRAININ 75	▪ 400 YD INDIVIDUAL MEDLEY
1:19.97 ROGER FRANKS 71	▪ 1000 YD FREESTYLE	1:41.65 JAMES WORREL 75	6:21.48 RAYMOND TAFT 95
1:20.17 WIN WILSON 71	14:14.46 RAY TAFT 95	1:42.50 RAYMOND F TAFT 78	7:05.21 RAYMOND F TAFT 78
1:22.50 W MORGAN BYERS 70	15:03.40 JURGEN SCHMIDT 75	1:45.55 TOM MC CALL 75	7:49.23 DICK MARGERUM 77
▪ 200 YD INDIVIDUAL MEDLEY	16:07.94 FRED TAIOLI 77	1:45.61 RICHARD AVERY 75	8:09.71 BILL STADIG 75
2:47.68 BIRCH DAVIDSON 89	16:08.33 JAMES K EDWARDS 75	1:47.88 ROBERT LAVANTURE 75	8:34.44 BOB ACKER 76
2:49.34 ROGER G FRANKS 71	16:30.55 GILBERT YOUNG 75	1:48.36 JOHN WIESE 75	8:43.10 WILLIAM JOHNSTON 79
2:53.18 FRANK PIEMME 73	16:54.40 DICK MARGERUM 77	▪ 200 YD BREASTSTROKE	9:12.16 JAY CHARLES 75
2:54.81 DUANE DRAVES 71	17:20.83 JACK R HUBER 75	3:13.37 ALDO DA ROSA 93	9:31.25 HERB MCCAULEY 75
2:55.25 THOMAS E SMITH 70	17:44.79 TOM MC CALL 75	3:25.31 BOB MERRICK 77	10:07.06 VAL OUCHAKOF 75
3:02.41 PAUL W HUTINGER 73	18:10.05 BOB ACKER 76	3:34.84 RAYMOND HAKOMAKI 77	12:01.76 FRANK SCARANO 78
3:04.51 LUMAN SUTTON 70	18:56.80 BUD JACKSON 78	3:44.18 JAMES WORREL 75	13:22.09 REGINALD MC HUGH 78
3:08.25 THOMAS O MAINE 72	19:07.34 WALTER BRAWER 75	3:46.56 ABRASA BRAININ 75	
3:09.53 W MORGAN BYERS 70	▪ 1650 YD FREESTYLE	3:49.21 RAYMOND F TAFT 78	<u>MEN 80-84</u>
3:10.22 LEE ARTH 73	24:40.71 RAY TAFT 95	3:50.83 TOM MC CALL 75	▪ 50 YD FREESTYLE
3:15.20 DON H KORTEN 71	26:02.52 JURGEN SCHMIDT 75	3:53.51 EARL WALTER 76	31.09 WOODROW BOWERSOCK 94
▪ 400 YD INDIVIDUAL MEDLEY	27:01.95 FRED TAIOLI 77	3:56.07 RICHARD AVERY 75	32.00 ALDO V DA ROSA 80
6:05.24 FRANK PIEMME 95	27:21.48 GILBERT YOUNG 75	3:58.08 BUD JACKSON 78	32.37 WOODROW BOWERSOCK 84
6:07.01 ROGER G FRANKS 71	27:47.37 JAMES EDWARDS 75	4:19.94 WALTER LYNCH 76	33.47 JIM EUBANK 82
6:35.68 THOMAS SMITH 70	28:23.16 BOB MERRICK 77	▪ 50 YD BUTTERFLY	34.03 BARNET PHILLIPS 80
6:44.74 THOMAS MAINE 72	29:25.34 TOM MC CALL 75	33.17 BIRCH DAVIDSON 94	34.24 BRUD CLEVELAND 80
6:48.62 LEE ARTH 73	30:12.89 ELLIOTT SCHOFIELD 75	34.29 JURGEN SCHMIDT 75	35.19 BOB CHRISTIANS 82
6:48.65 LUMAN SUTTON 71	32:37.14 ZYGMUND KASNER 75	34.58 ANDREW HOLDEN 78	35.55 AL VANDE WEGHE 81
6:54.84 PAUL HUTINGER 73	32:46.47 RAYMOND HAKOMAKI 77	37.34 MAX VON ISSER 78	36.11 LYNN SURLES 80
7:09.70 ART KOBLISH 74	33:12.77 ED LAMBERT 76	37.93 JOHN R FLORANCE 75	36.66 CALVIN SCHAEFFER 80
7:12.89 BRUNO WEBER 70	▪ 50 YD BACKSTROKE	38.15 RAYMOND F TAFT 78	38.35 DES SESSINGHAUS 82
7:17.02 DON H KORTEN 71	34.84 RAY TAFT 95	40.51 LOUIS GIBERSON 77	▪ 100 YD FREESTYLE
7:21.72 DALE WEBSTER 72	37.91 RAYMOND F TAFT 77	42.97 JIM PENDERGRASS 79	1:12.18 WOODROW BOWERSOCK 94
	39.78 ANDREW HOLDEN 78	43.05 BOB MERRICK 77	1:13.39 ALDO V DA ROSA 80
<u>MEN 75-79</u>	40.04 BOB MERRICK 77	43.94 ABRASA BRAININ 75	1:15.42 WOODROW BOWERSOCK 84
▪ 50 YD FREESTYLE	41.72 RICHARD AVERY 75	44.95 WILLIAM JOHNSTON 79	1:15.62 JIM EUBANK 82
28.73 KELLEY LEMMON 87	42.44 JAMES EDWARDS 75	44.95 TOM MC CALL 75	1:21.47 BOB CHRISTIANS 82
29.81 JOHN R FLORANCE 75	42.76 RAYMOND HAKOMAKI 77	▪ 100 YD BUTTERFLY	1:24.09 LYNN SURLES 80
30.59 ANDREW HOLDEN 78	42.85 JURGEN SCHMIDT 75	1:23.77 ANDREW HOLDEN 94	1:24.68 BARNET PHILLIPS 80
30.90 JURGEN SCHMIDT 75	43.09 GILBERT N YOUNG 76	1:26.85 ANDREW HOLDEN 78	1:24.89 BRUD CLEVELAND 80
31.63 GILBERT YOUNG 75	43.20 HARRY LIBER 78	1:48.04 JIM PENDERGRASS 79	1:27.76 AL VANDE WEGHE 81
31.76 RAYMOND F TAFT 78	43.26 ELLIOTT SCHOFIELD 75	1:51.32 EARL WALTER 76	1:28.09 ROBERT JOHNSTON 80
32.41 HERB MCCAULEY 75	▪ 100 YD BACKSTROKE	1:53.70 LOUIS GIBERSON 77	1:28.67 CAL SCHAEFFER 80
33.34 WILLIAM JOHNSTON 79	1:17.67 RAYMOND TAFT 95	1:55.98 RAYMOND F TAFT 78	▪ 200 YD FREESTYLE
33.83 EDWARD BITNER 75	1:24.17 RAYMOND F TAFT 78	1:57.78 DICK MARGERUM 77	2:47.93 ALDO DA ROSA 98
33.84 DON GREETHAM 76	1:27.20 ANDREW HOLDEN 78	2:08.75 HERMAN FOREST 76	2:47.93 ALDO V DA ROSA 80
33.84 BOB MERRICK 77	1:28.81 BOB MERRICK 77	2:39.03 VAL OUCHAKOF 75	3:02.60 JIM EUBANK 82
▪ 100 YD FREESTYLE	1:31.21 JAMES EDWARDS 75	3:12.37 T R JOHNSON 75	3:07.12 WOODROW BOWERSOCK 84
1:04.28 KELLEY LEMMON 88	1:31.75 GAETANO PAVONE 75	▪ 200 YD BUTTERFLY	3:12.53 BARNET PHILLIPS 80
1:07.81 JOHN R FLORANCE 75	1:34.41 HARRY LIBER 79	3:17.53 ANTON CERER 92	3:12.98 BRUD CLEVELAND 80
1:08.11 JURGEN SCHMIDT 75	1:36.31 JURGEN SCHMIDT 75	4:09.52 BILL STADIG 75	3:14.26 DEXTER E WOODFORD 84
1:10.87 ANDREW HOLDEN 78	1:36.56 ELLIOTT SCHOFIELD 75	4:13.24 DICK MARGERUM 77	3:28.59 HARRY BARTLETT 82
1:13.75 RAYMOND F TAFT 78	1:37.22 JOHN WIESE 75	4:40.63 WILLIAM JOHNSTON 79	3:29.56 LYNN SURLES 80
1:16.34 JAMES K EDWARDS 75	1:37.52 RAYMOND HAKOMAKI 77	5:14.73 HERMAN S FOREST 77	3:30.90 CALVIN SCHAEFFER 80
1:16.34 EDWARD BITNER 75	▪ 200 YD BACKSTROKE	5:28.03 JAY CHARLES 75	3:35.99 GUS CLEMINS 80
	2:54.21 RAYMOND TAFT 95		

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

<ul style="list-style-type: none"> ▪ 500 YD FREESTYLE 7:37.20 ALDO DA ROSA 98 7:37.20 ALDO V DA ROSA 80 8:17.60 JIM EUBANK 82 8:20.87 ROBERT JOHNSTON 80 8:38.35 JOHN MERRILL 81 8:57.80 BARNET PHILLIPS 80 9:06.87 DEXTER E WOODFORD 84 9:20.69 LYNN SURLS 80 9:24.53 WOODROW BOWERSOCK 84 9:25.93 HARRY BARTLETT 82 9:27.94 JOHN WOODS 80 ▪ 1000 YD FREESTYLE 16:04.32 ALDO DA ROSA 98 16:04.32 ALDO DA ROSA 80 17:53.97 JOHN MERRILL 80 18:58.35 HARRY BARTLETT 82 19:48.10 DEXTER WOODFORD 84 19:49.77 JOHN WOODS 80 20:05.52 JIM S TRIOLO 84 20:28.84 WOODROW BOWERSOCK 84 22:00.98 DAVE MALBROUGH 84 22:05.82 BRUD CLEVELAND 80 24:21.28 CHARLES WOOLLS 82 ▪ 1650 YD FREESTYLE 26:36.10 ALDO DA ROSA 98 26:36.10 ALDO V DA ROSA 80 29:50.88 JOHN MERRILL 81 31:39.17 DEXTER E WOODFORD 84 32:34.50 JOHN WOODS 80 34:07.03 WOODROW BOWERSOCK 84 34:29.84 JIM TRIOLO 84 36:44.57 DAVE MALBROUGH 84 42:36.38 HENRY SHOSTCHUK 80 43:57.82 WILLIAM MCCARTHY 80 ▪ 50 YD BACKSTROKE 39.51 EDWARD SHEA 95 39.90 ALDO V DA ROSA 80 40.62 JOHN MERRILL 81 42.61 AL VANDE WEGHE 81 43.62 BOB CHRISTIANS 82 45.08 JOHN WHITE 81 47.62 BILL EIBL 81 47.73 DAVE MALBROUGH 84 50.02 WOODROW BOWERSOCK 84 50.04 JIM S TRIOLO 83 50.39 CHARLES BREEDING 81 ▪ 100 YD BACKSTROKE 1:27.58 EDWARD SHEA 95 1:31.22 ALDO V DA ROSA 80 1:31.63 JOHN MERRILL 81 1:32.67 AL VANDE WEGHE 81 1:43.56 JOHN WHITE 81 1:46.25 BILL EIBL 81 1:46.39 BOB CHRISTIANS 82 1:50.75 JIM TRIOLO 83 1:52.14 ROBERT JOHNSTON 80 1:54.62 CHARLES BREEDING 81 1:56.84 FRANK TILLOTSON 82 ▪ 200 YD BACKSTROKE 3:12.35 EDWARD SHEA 95 3:19.03 JOHN MERRILL 81 3:24.08 ALDO V DA ROSA 80 3:28.27 AL VANDE WEGHE 81 3:46.55 JOHN WHITE 81 3:49.06 BILL EIBL 81 3:50.65 DICK GUIDO 80 3:59.76 JIM S TRIOLO 83 4:22.06 FRANK TILLOTSON 83 4:26.07 WOODROW BOWERSOCK 84 4:29.32 ALBERT B FISHER 81 ▪ 50 YD BREASTSTROKE 41.30 ALDO DA ROSA 98 41.30 ALDO V DA ROSA 80 42.37 PAUL KRUP 80 44.82 BRUD CLEVELAND 80 46.06 RUSS WITTE 81 46.61 CALVIN SCHAEFFER 80 	<ul style="list-style-type: none"> 48.01 BENNETT ALLEN 84 48.54 MURRAY EAGER 81 50.62 JOPAUL STEINER 81 51.20 JOHN BROUK 80 51.28 WILLIAM GRANT 84 ▪ 100 YD BREASTSTROKE 1:32.72 KELLEY LEMMON 92 1:32.85 ALDO V DA ROSA 80 1:38.13 PAUL KRUP 80 1:43.26 BRUD CLEVELAND 80 1:44.67 RUSS WITTE 81 1:48.95 CALVIN SCHAEFFER 80 1:53.63 MURRAY EAGER 81 1:53.90 BENNETT ALLEN 84 1:55.18 E DON MCCULLOUGH 82 1:57.36 BILL EIBL 81 1:59.88 BOB CHRISTIANS 82 ▪ 200 YD BREASTSTROKE 3:28.19 ALDO DA ROSA 98 3:28.19 ALDO V DA ROSA 80 3:44.13 PAUL KRUP 80 4:02.31 BRUD CLEVELAND 80 4:03.54 E DON MCCULLOUGH 82 4:04.51 RUSS WITTE 81 4:06.94 MURRAY EAGER 81 4:16.44 BILL EIBL 81 4:51.62 JOHN BROUK 80 4:55.92 PAUL MENZIES 82 4:56.27 DEXTER WOODFORD 83 ▪ 50 YD BUTTERFLY 40.94 JESSE COON 90 41.08 ALDO V DA ROSA 80 41.21 PAUL KRUP 80 45.25 CALVIN SCHAEFFER 80 47.41 BOB CHRISTIANS 82 50.35 WOODROW BOWERSOCK 84 51.04 WILLIAM GRANT 84 51.06 EDWIN WOLPAW 82 57.18 E DON MCCULLOUGH 82 1:08.70 ALBERT B FISHER 81 1:09.60 DAR L WHEELER 80 ▪ 100 YD BUTTERFLY 1:36.89 ALDO DA ROSA 98 1:36.89 ALDO V DA ROSA 80 1:41.66 PAUL KRUP 80 2:12.10 E DON MCCULLOUGH 82 ▪ 200 YD BUTTERFLY 3:32.97 ANTON CERER 97 3:51.63 ALDO V DA ROSA 80 3:54.24 PAUL KRUP 80 4:41.92 E DON MCCULLOUGH 82 5:45.33 SAM CARAVELLO 81 ▪ 100 YD INDIVIDUAL MEDLEY 1:26.77 ALDO DA ROSA 98 1:26.77 ALDO V DA ROSA 80 1:34.22 PAUL KRUP 80 1:35.11 BOB CHRISTIANS 82 1:41.40 BRUD CLEVELAND 80 1:41.84 AL VANDE WEGHE 81 1:44.91 RUSS WITTE 81 1:46.65 CALVIN SCHAEFFER 80 1:47.02 HARRY HOWELL 80 1:48.92 WOODROW BOWERSOCK 84 1:51.20 ROBERT JOHNSTON 80 ▪ 200 YD INDIVIDUAL MEDLEY 3:19.28 ALDO DA ROSA 98 3:19.28 ALDO V DA ROSA 80 3:54.74 BOB CHRISTIANS 82 3:58.06 ROBERT JOHNSTON 81 4:07.09 E DON MCCULLOUGH 82 4:12.69 RUSS WITTE 81 ▪ 400 YD INDIVIDUAL MEDLEY 7:03.09 ALDO DA ROSA 98 7:03.09 ALDO V DA ROSA 80 8:58.34 E DON MCCULLOUGH 82 11:49.77 SAM CARAVELLO 81 	<ul style="list-style-type: none"> ▪ 50 YD FREESTYLE 36.86 GERSON SOBEL 96 37.14 GERSON SOBEL 87 41.42 CARL LINDSTRAND 86 43.97 JESSE COON 87 44.58 DAN DOTTERWEICH 89 46.01 TEX ROBERTSON 88 46.16 JOE S IRVINE 87 46.38 DAVE MALBROUGH 85 47.29 FRED WALBOLT 85 48.78 RAYMOND EDELHOFF 85 49.99 JIM PENFIELD 89 ▪ 100 YD FREESTYLE 1:25.24 GERSON SOBEL 95 1:29.82 GERSON SOBEL 87 1:31.54 CARL LINDSTRAND 86 1:47.91 FRED WALBOLT 85 1:48.23 TEX ROBERTSON 88 1:57.03 RAYMOND EDELHOFF 85 1:59.59 JOE S IRVINE 87 2:03.36 ELWOOD CONLAN 85 2:14.97 BERT KASSELL 85 ▪ 200 YD FREESTYLE 3:17.83 GUS LANGNER 90 3:30.78 GERSON SOBEL 87 3:40.03 CARL LINDSTRAND 86 3:57.63 DAVE MALBROUGH 85 4:00.73 FRED WALBOLT 85 4:10.46 TEX ROBERTSON 88 4:28.92 JOE S IRVINE 87 4:52.45 RICHARD KANE 86 ▪ 500 YD FREESTYLE 9:00.31 GUS LANGNER 90 9:55.12 DAVE MALBROUGH 85 10:46.05 FRED WALBOLT 85 12:31.32 JOE S IRVINE 87 13:37.86 BILL M REEDER 87 14:11.61 RICHARD KANE 86 ▪ 1000 YD FREESTYLE 18:18.29 GUS LANGNER 89 20:43.76 DAVE MALBROUGH 85 21:27.73 HERBERT HOWE 85 27:01.00 JOE IRVINE 87 27:52.66 BILL M REEDER 87 29:56.30 RICHARD KANE 86 ▪ 1650 YD FREESTYLE 31:02.36 GUS LANGNER 90 35:13.10 DAVE MALBROUGH 85 36:37.04 HERBERT HOWE 86 44:10.11 JOE S IRVINE 87 ▪ 50 YD BACKSTROKE 46.69 DAVE MALBROUGH 98 46.69 DAVE MALBROUGH 85 54.08 RAYMOND EDELHOFF 85 56.83 DAN DOTTERWEICH 89 1:05.41 ROY L BODINE 87 1:07.10 JESSE COON 87 1:10.98 OTTO HAHN 85 1:11.39 ELWOOD CONLAN 85 1:12.05 BILL M REEDER 87 1:12.62 FRED WALBOLT 85 1:12.81 BERT KASSELL 85 ▪ 100 YD BACKSTROKE 1:48.23 CHARLES SALIE 97 1:46.68 DAVE MALBROUGH 85NV 2:02.23 DAN DOTTERWEICH 89 2:05.84 RAYMOND EDELHOFF 85 2:13.97 TEX ROBERTSON 88 2:24.50 JOE S IRVINE 87 2:30.25 FRED WALBOLT 85 2:30.44 BILL M REEDER 87 2:30.99 ROY L BODINE 87 2:51.22 GEORGE BATKI 86 4:29.49 S VAN PETTEN 85 ▪ 200 YD BACKSTROKE 3:57.82 CHARLES SALIE 97 3:59.97 DAVE MALBROUGH 85 	<ul style="list-style-type: none"> 4:24.83 DAN DOTTERWEICH 89 4:52.60 TEX ROBERTSON 88 5:04.88 JOE S IRVINE 87 5:05.57 JIM PENFIELD 89 5:08.80 FRED WALBOLT 85 5:11.56 BILL M REEDER 87 5:24.56 ROY L BODINE 87 ▪ 50 YD BREASTSTROKE 52.09 JIM PENFIELD 93 59.18 JIM PENFIELD 89 1:00.83 DAN DOTTERWEICH 89 1:02.98 JESSE COON 87 1:05.66 RAYMOND EDELHOFF 85 1:11.84 RAY BODINE 87 1:14.40 GEORGE BATKI 86 1:17.47 VINCENT MCMAHON 85 1:21.63 FRANK STARR 87 ▪ 100 YD BREASTSTROKE 2:03.10 JIM PENFIELD 93 2:11.85 DAN DOTTERWEICH 89 2:27.89 JESSE COON 87 2:30.33 JIM PENFIELD 89 2:41.94 ROY BODINE 86 2:45.32 RAYMOND EDELHOFF 85 3:16.86 GEORGE BATKI 86 3:17.83 FRANK STARR 87 3:18.45 OTTO HAHN 85 ▪ 200 YD BREASTSTROKE 4:34.29 AL KALLUNKI 90 4:55.43 DAN DOTTERWEICH 89 5:16.92 JESSE COON 87 6:06.43 ROY L BODINE 87 ▪ 50 YD BUTTERFLY 49.32 JESSE COON 96 55.73 JESSE COON 87 1:29.63 ROY BODINE 86 1:59.85 RICHARD KANE 86 ▪ 100 YD BUTTERFLY 2:12.18 JESSE COON 95 2:29.00 JESSE COON 87 3:32.10 ROY BODINE 86 ▪ 200 YD BUTTERFLY 5:29.95 JESSE COON 95 6:09.97 JESSE COON 87 ▪ 100 YD INDIVIDUAL MEDLEY 1:58.18 JESSE COON 97 2:05.95 JESSE COON 87 2:21.27 JIM PENFIELD 89 2:43.82 ROY BODINE 86 ▪ 200 YD INDIVIDUAL MEDLEY 4:30.98 JESSE COON 97 4:50.48 JESSE COON 87 5:56.03 RAY BODINE 87 ▪ 400 YD INDIVIDUAL MEDLEY 9:47.85 HERB EISENSCHMIDT 92 10:39.19 JESSE COON 87 12:15.47 ROY BODINE 86
<p>▪ 50 YD FREESTYLE</p> <p>46.53 JOSEPH REINERS 92</p> <p>50.29 GUS LANGNER 94</p> <p>50.47 JIM PENFIELD 90</p> <p>1:04.73 JOE KAUFMAN 93</p> <p>1:12.56 HAROLD E HOFFMAN 90</p> <p>1:29.32 H JAGGERS 90</p> <p>▪ 100 YD FREESTYLE</p> <p>1:49.69 GUS LANGNER 95</p> <p>2:03.13 GUS LANGNER 94</p> <p>2:25.72 JOE KAUFMAN 93</p> <p>2:56.78 HAROLD E HOFFMAN 90</p> <p>▪ 200 YD FREESTYLE</p> <p>3:52.04 GUS LANGNER 93</p> <p>4:34.79 GUS LANGNER 94</p> <p>▪ 500 YD FREESTYLE</p> <p>10:20.59 GUS LANGNER 93</p> <p>12:17.01 GUS LANGNER 94</p>			
<p>▪ 50 YD FREESTYLE</p> <p>46.53 JOSEPH REINERS 92</p> <p>50.29 GUS LANGNER 94</p> <p>50.47 JIM PENFIELD 90</p> <p>1:04.73 JOE KAUFMAN 93</p> <p>1:12.56 HAROLD E HOFFMAN 90</p> <p>1:29.32 H JAGGERS 90</p> <p>▪ 100 YD FREESTYLE</p> <p>1:49.69 GUS LANGNER 95</p> <p>2:03.13 GUS LANGNER 94</p> <p>2:25.72 JOE KAUFMAN 93</p> <p>2:56.78 HAROLD E HOFFMAN 90</p> <p>▪ 200 YD FREESTYLE</p> <p>3:52.04 GUS LANGNER 93</p> <p>4:34.79 GUS LANGNER 94</p> <p>▪ 500 YD FREESTYLE</p> <p>10:20.59 GUS LANGNER 93</p> <p>12:17.01 GUS LANGNER 94</p>			
<p>MEN 85-89</p>			
<p>MEN 90-94</p>			

1997-1998 SHORT-COURSE YARDS - TOP-TEN INDIVIDUALS

▪ 1000 YD FREESTYLE	
24:18.33 GUS LANGNER	95
27:11.15 GUS LANGNER	94
▪ 1650 YD FREESTYLE	
35:31.28 GUS LANGNER	93
NO SWIMMERS	
▪ 50 YD BACKSTROKE	
55.26 JIM PENFIELD	98
55.26 JIM PENFIELD	90
1:13.85 JOE KAUFMAN	93
1:14.37 GUS LANGNER	94
1:32.00 H JAGGERS	90
▪ 100 YD BACKSTROKE	
2:10.24 JIM PENFIELD	98
2:10.24 JIM PENFIELD	90
2:35.92 JOE KAUFMAN	93
3:10.90 GUS LANGNER	94
3:54.56 H JAGGERS	90
▪ 200 YD BACKSTROKE	
4:47.96 JOE KAUFMAN	96
8:02.63 GUS LANGNER	94
▪ 50 YD BREASTSTROKE	
57.65 JIM PENFIELD	98
57.65 JIM PENFIELD	90
1:19.30 GUS LANGNER	94
▪ 100 YD BREASTSTROKE	
2:29.10 JIM PENFIELD	98
2:29.10 JIM PENFIELD	90
3:01.48 GUS LANGNER	94
▪ 200 YD BREASTSTROKE	
6:00.90 ANDREW KALLUNKI	94
6:53.95 G HAROLD LANGNER	94
▪ 50 YD BUTTERFLY	
1:35.70 PETER JURCZYK	96
2:38.26 GUS LANGNER	94
▪ 100 YD INDIVIDUAL MEDLEY	
2:19.27 JIM PENFIELD	98
2:19.27 JIM PENFIELD	90
3:32.82 GUS LANGNER	94
▪ 200 YD INDIVIDUAL MEDLEY	
6:05.72 PETER JURCZYK	96
NO SWIMMERS	

MEN 95-99

▪ 50 YD FREESTYLE	
1:14.35 TOM LANE	90
NO SWIMMERS	
▪ 100 YD FREESTYLE	
3:20.38 TOM LANE	90
NO SWIMMERS	
▪ 50 YD BACKSTROKE	
1:08.20 TOM LANE	89
NO SWIMMERS	
▪ 100 YD BACKSTROKE	
3:05.81 TOM LANE	92
NO SWIMMERS	
▪ 50 YD BREASTSTROKE	
1:27.94 TOM LANE	89
NO SWIMMERS	

MEN 100-104

▪ 50 YD FREESTYLE	
1:31.03 TOM LANE	94
NO SWIMMERS	
▪ 100 YD FREESTYLE	
3:21.86 TOM LANE	94
NO SWIMMERS	
▪ 200 YD FREESTYLE	
6:56.32 TOM LANE	94
NO SWIMMERS	

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

WOMEN'S RELAYS							
<p>200 YD FREE REL WOMEN 19+</p> <p>HOLMES LUMBER 1:38.68 92 KIMBERLY BEATTIE MARY ROEBUCK LINDA NEARY SUDI MILLER</p> <p>OLYMPIC CLUB 1:41.73 SHARON PATRICK 26 DANIELLE OGIER 45 JOAN SCHRIGER 33 JESSICA TONG 23</p> <p>MICH 1:43.50 REBECCA FRAYNE 26 LESLIE BLACKBURN 27 JESSICA SANTO 24 JULIE MOODY 29</p> <p>BAYLOR LONE STA 1:46.26 ERICA QUAM 23 JOANNA CAIN 30 J SHERIDAN 34 ANNA PROCIOS 26</p> <p>ILLINOIS MASTER 1:46.60 KATHLEEN PISULA 27 NATALIE SEEL 20 JENNIFER JACOBS 29 JENNIFER RIDGE 29</p> <p>TEXAS AQUATICS 1:47.02 C COLEMAN 31 BONNIE TROTTER 22 LINDA BUTLER 30 J BRANNON 28</p> <p>STANFORD 1:47.61 AIMEE LEHR 30 MARTIE MCKINNEY 33 EILEEN WALL 40 ELIZABETH BAST 20</p> <p>GARDEN STATE MA 1:47.61 M WUNDERLICH 24 ANDI GRUMET 23 BRIDGET COLL 28 MICHELLE DAVIDSON 27</p> <p>IM 1:47.75 J GEMEINHARDT 24 KATHY A WEBSTER 29 DOREEN M LEMKE 34 JEAN M SMITH 31</p> <p>USF MASTERS 1:48.02 L CLAVADETSCHER 27 HOLLY SAWYER 24 STACEY WEINTHALER 29 JOANNA BELKIN 29</p> <p>MICH 1:48.97 WENDY HUDSON 21 JENNIFER BACKER 29 THERESA NIEMI 34 ELLEN LESSIG 23</p> <p>200 YD FREE REL WOMEN 25+</p> <p>LONE STAR 1:37.40 89 LISA JACKSON BRIGITTE HEUER L.MORRISON-CASEY AMY PLESS</p> <p>RMM 1:40.85 CHERYL LONGFELLOW 28 TIFFANY A FORBES 31 CHRISTY E LIPSON 28 LAUREEN WELTING 32</p> <p>SLUG 1:42.63 HEIDI E HANNENIAN 27 MARY A BERGEN 27</p>	<p>KAREN SING 41 LAURA J HAJOST 30 WCM 1:42.99 R BRITTINGHAM 46 KATHLEEN HARTNETT 26 KATHY D WOEHRL 35 MICHELLE GHIGGERI 29 TOC 1:43.27 DANIELL OGIER 45 JOAN A SCHRIGER 33 CORINNA D SEIBT 37 SHARON K PATRICK 26 UT 1:45.98 KIMBERLY SMITH 33 LO D KNAPP 43 LISA KUWAHARA 35 ROBYNN MASTERS 39 IM 1:46.05 JENNIFER L RIDGE 29 KERSTEN ANNEGERS 29 TERESA R ZURICK 32 STEPHANIE MULLINS 32 USF MASTERS 1:46.53 LORI DELUCA 26 BECKY FENSON 30 PAMELA FRANKLIN 29 SARAH QUICK 34 GRIN 1:46.92 KATHERINE PINGER 25 T CHILDRESS-BROWN 34 E MALKEMUS 28 LYNNE BIR 26 GARDEN STATE MA 1:47.70 WENDY PATRICK 25 ANGELA SCHNEPEL 26 KATHY LYNCH 32 LORNA CIALDELLA 33 MANATEE AQUATIC 1:48.16 JANE NYLUND 33 KARA PIANTIDOSI 26 MICHELLE LEARY 31 JANICE PRICE 40 200 YD FREE REL WOMEN 35+</p> <p>NEW ENGLAND 1:42.61 95 JENNIFER LUKER JOEL FELDMANN CONSTAN HALLETT GAYLE WETTACH</p> <p>WALNUT CREEK 1:44.60 LAURIE VIDAL 35 MARGEE CURRAN 36 KATHY WOEHRL 35 PAULA ROEMER 36 NEM 1:44.70 JOEL T FELDMAN 46 BARB B HANDLER 40 CONNIE HALLETT 39 JENNIFER LUKER 41 TEAM TEXAS 1:45.19 S NEILSON-BELL 42 VAL HAGUE 37 KARLENE WISE 44 SHARON WENCEL 39 MICH 1:46.70 NANCY J SERVO 37 EVELYN LYNCH 45 SUE CAHILL 35 MARILYN E EARLY 40 RMM 1:47.13 VONI M OERMAN 37 MELANIE DULLEA 36 WENDY S RICE 35 KATHY L GARNIER 37 PNA 1:48.09 LISA WILSON 36 DEBBIE GLASSMAN 44</p>	<p>SAHARA PIRIE 37 MARY LIPPOLD 42 WALNUT CREEK 1:48.68 KAREN IREY 35 OLIVIA MOORE 40 MARY JO FERRIS 36 PENNY LEACH 35 COLONIALS 1776 1:48.99 VIBEKE SWANSON 36 KATHY FRAZIER 37 MARY CARR 35 ALYSON CHICK 35 MARYLAND 1:49.11 DEBORAH ZIMIC 36 JILL SPRINGER 39 GLADNEY MCKAY 37 ELLEN HAYS 38 VMST 1:49.99 LISA BENNETT 42 PATTY M POWIS 37 KITTE BRAATEN 42 BETH O BAKER 37 200 YD FREE REL WOMEN 45+</p> <p>LOS ALTOS 1:53.98 94 ARLENE PROEBSTING SUSAN ROY KRISTINA KING CAROLYN BOAK</p> <p>IM 1:54.14 C STONESIFER 45 CYNTHIA JONES 48 IRENE DAVID 54 BETTY BENNETT 54 ILLINOIS MASTER 1:55.05 DEE RAGALIE 45 C TAGGERT 48 BENITA CERVANTES 52 PATRICIA BRUMMET 52 DCM 1:58.63 ANN B LYTTLE 50 BARBARA C FRID 56 BARBARA ZAREMSKI 60 DENISE KIRWAN 46 GOLD COAST 2:01.69 CAROL REICHERT 46 RORIE ANDERSON 47 B EDELMATER 51 ANNE LABORWIT 47 GRIN 2:02.00 SALLY HASBROOK 49 SHARON WISE 51 SUSAN FRANCIS 45 BARBARA H LARSEN 50 MARYLAND 2:02.07 SUSAN MARINZEL 45 MARTI BETZ 48 PAMELA WINGERTER 53 KAREN WILLIAMS 50 RMM 2:05.88 YVONNE L WRIGHT 45 CAROLYN M ROCHE 47 CHERYL A BRUNGER 47 JEAN A WOOD 50 PLANO WETCATS 2:05.99 K MACCURDY 45 MARCIE WOODROW 45 LYNN SILVER 46 TRISH LEWIS 53 GARDEN STATE MA 2:08.32 JUDY LEE 48 BETH MALONEY 47 PATRICIA ANDERSON 46 SUSAN RARDIN 48 VMST 2:08.85 TERRY M GAULT 47 JOHNNIE DETRICK 62</p>	<p>LINDA B MCCOWAN 48 NANCY R MILLER 48 200 YD FREE REL WOMEN 55+</p> <p>D.C. MASTERS 2:02.97 97 BARBARA FRID JOANN LEILICH BARBARA ZAREMSKI JAYNE BRUNER</p> <p>SPM 2:24.91 JACQUELYN PIPER 61 SANDY STEER 58 JAYNE LAMBKE 58 ELAINE BROMWICH 55 NORTH CAROLINA 2:26.63 SALLY NEWELL 60 DAWN STROUPE 59 CEIL BLACKWELL 57 ALICE JONES 59 MARYLAND 2:28.82 JOAN LIBBY 56 FRANCES WESTON 58 FRANCES HAYWOOD 66 NANCY BROWN 61 NEM 2:34.15 AAGJE A CARON 56 PETEY SMITH 73 MARIAN COAKLEY 60 BILLIE BURRILL 77 IM 2:37.94 NANCY MURPHY 55 DIANNE SHERWOOD 57 ANN B STEVENS 64 HENRIETTA BERNING 64 COLONIALS 1776 2:40.24 MARY ANN MCCLAIN 56 JANET MOELLER 63 BETTY LAMLIN 61 ELIZABETH KRUPKA 60 WIS MASTERS 2:46.48 INGRID STINE 59 JUDY DAVIS 62 DORIS KLITZKE 62 BETTY LORENZI 70 USF MASTERS 2:51.46 TANAKO HAGIWARA 59 ILA CHALE 60 CAROL REQUADT 60 MARY COFFEY 59 SWSM 2:58.37 ALICE LAWRENCE 68 BARBARA DONNELLY 55 JO ANN VOGEL 59 BARBARA GREEN 57 MICH 3:00.94 MARY WILLIAMS 66 LOIS NOCHMAN 73 GLORIA STOWE 65 JOYCE KOWALSK 55 200 YD FREE REL WOMEN 65+</p> <p>GOLD COAST 2:17.37 95 BLANCHE GRAVER JUNE KRAUSER MARGARE TIMMINS CYNTHIA BRUCE</p> <p>MARYLAND 2:39.15 BETSY ROGAN 65 JILL COLEMAN 67 C WILLIAMS 73 FRANCES HAYWOOD 66 COAST MASTERS 3:01.84 MAURINE KORNFELD 76 LOUISE JOBSON 79 KATHY DIXON 70 GLORIA MARIENTHAL 73</p>				

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

OH	3:01.90	WENKE HANSEN 28	WENKE HANSEN 28	C. SCHROEDER
	76	KATRINA CARSON 25	JANE CAIRNS 27	IM 2:11.36
	66	CARA HARDT 23	KATRINA CARSON 25	BETTY BENNETT 54
	65	NEM 2:03.64	TEXAS AQUATICS 1:59.49	C STONESIFER 45
	71	REBECCA KUPCINSKA 24	C COLEMAN 31	CATHERINE QUILL 48
IM	3:05.40	KARI S ANDERSON 26	LINDA BUTLER 30	CYNTHIA JONES 48
	75	BARB B HANDLER 40	M COULEHAN 31	MARYLAND 2:16.75
	80	WENDY S GULLEY 32	J BRANNON 28	MARTI BETZ 48
	73	IM 2:04.00	MCMS 1:59.94	CONNIE LINDSEY 46
	67	HEATHER INGRAHAM 30	NANCY HENNESSY 35	SUSAN MARINZEL 45
OJAI-SANTA BARB	3:16.15	JEAN M SMITH 31	G WASSERSTROM 29	KAREN WILLIAMS 50
	67	J GEMEINHARDT 24	KIMBERLY D BRYANT 27	NIAG 2:18.43
	72	DOREEN M LEMKE 34	KATHRYN AMMON 27	HOLLY L MACMURRAY 47
	69	MARYLAND 2:05.63		MELISSA MALDOVAN 45
	68	SUZIE FISCH 29	200 YD MEDLEY R WOMEN 35+	DENISE M EVERITT 45
SAN MATEO MARL	3:39.66	JOANNE SONBERG 23	WALNUT CREEK 1:56.99 96	SANDRA G KINGDON 59
	81	KRISTEN CORBETT 32		GRIN 2:19.13
	78	RACHEL BERKOWITZ 27	PATTY LANDERS	JOAN DIERCKS 50
	71	IM 2:05.95	DIANE HEINSON	SALLY HASBROOK 49
	84	TERESA R ZURICK 32	CAREN MONAMARA	SHARON WISE 51
NORTH CAROLINA	3:41.07	PAULA BEAUMONT 30	PAULA ROEMER	SUSAN FRANCIS 45
	69	AMANDA BRAUN 23	TEAM TEXAS 1:57.25	GOLD COAST 2:22.17
	75	DIANE MAROLDA 27	SHARON WENCEL 39	RORIE ANDERSON 47
	74	GARDEN STATE MA 2:06.96	VAL HAGUE 37	B EDELMAIER 51
	72	JEANNE COON 22	KARLENE WISE 44	CAROL REICHERT 46
MARYLAND	3:46.26	M WUNDERLICH 24	S NEILSON-BELL 42	ANNE LABORWIT 47
	82	MICHELLE DAVIDSON 27	SPM 1:58.55	RMM 2:23.92
	72	ANDI GRUMET 23	JUDY B TIBMA 41	YVONNE L WRIGHT 45
	66	MICH 2:08.16	MAUD E ORLANDO 35	DAWN OBRECHT 49
	74	ELLEN LESSIG 23	CATHY SHONKWILER 38	CAROLYN M ROCHE 47
PNA	3:53.17	JILL MURANY 24	ANDREA D NAUTA 38	JEAN A WOOD 50
	67	WENDY HUDSON 21	WCM 1:59.62	SPM 2:24.64
	65	KELLY MURANY 27	PENNY LEACH 35	PAM GEIGER 45
	75	200 YD MEDLEY R WOMEN 25+	COLLEEN M HAZLETT 35	ELAINE BROMWICH 55
MICH	5:01.75	HOUSTONIAN 1:49.19 91	CHARLENE O'BRIEN 41	JAYNE LAMBKE 58
	79	TORI SMITH	KATHY D WOEHRL 35	ANNE PAGE 49
	81	CORRIN CONVIS	NEM 1:59.89	SDSM 2:25.39
	84	DEBBIE RISEN	JOEL T FELDMAN 46	BETSY JORDAN 61
	65	BRIGITTE HEVER	KIM E GOODWIN 40	MARY GREGORIO 45
200 YD FREE REL WOMEN 75+		SLUG 1:52.62	JENNIFER LUKER 41	DIANE HIRAKAWA 49
WALNUT CREEK 3:19.18 96		D GRANER-GALLAS 34	CONNIE HALLETT 39	LYNNE LUND 57
SALLY JOY		MARY A BERGEN 27	VMST 2:02.48	VMST 2:26.54
MARY JANE REEVES		HEIDI E HANNENIAN 27	BETH O BAKER 37	TERRY M GAULT 47
JEAN DURSTON		LAURA J HAJOST 30	PATTY M POWIS 37	LINDA B MCCOWAN 48
PAT PREVETZ		IM 1:54.81	KITTEN BRAATEN 42	NANCY R MILLER 48
DCM 3:25.12		JENNIFER L JACOBS 29	LISA BENNETT 42	DEE A DELONG 48
RUTH H THORSEN 77		KERSTEN ANNEGERS 29	MICH 2:02.68	PNA 2:27.44
JEAN K CHENAUX 84		JENNIFER L RIDGE 29	MARILYN E EARLY 40	KATHERINE CASEY 49
MARY LATHRAM 82		BECKY E HELLER 34	SUE CAHILL 35	SALLY DILLON 51
ANNE I WALKER 82		WCM 1:55.09	EVELYN LYNCH 45	SUZANNE DILLS 53
200 YD MEDLEY R WOMEN 19+		KATHLEEN HARTNETT 26	NANCY J SERVO 37	JEANNE ENSIGN 51
RALEIGH 1:52.20 92		KAREN L DUGGAN 27	COLONIALS 1776 2:04.09	
COURTNEY SEARCY		SUSAN D STRONG 26	JANE ZIEGLER 44	200 YD MEDLEY R WOMEN 55+
LISA BROWN		MICHELLE GHIGGERI 29	VIBEKE SWANSON 36	D.C.MASTERS 2:19.50 97
SHELLIE JOANIS		TOC 1:57.34	MARY CARR 35	BARBARA FRID
JILL BENDA		CORINNA D SEIBT 37	LAURE FEINBERG 41	JOANN LEILICH
ARIZ 1:56.80		DANIELL OGIER 45	RMM 2:04.74	JAYNE BRUNER
KAREN ANDREWS 35		JOAN A SCHRIGER 33	KATHY L GARNIER 37	BARBARA ZAREMSKI
PAULA J POLLARD 34		SHARON K PATRICK 26	VONI M OERMAN 37	DCM 2:20.49
DIANNE L WYGAL 32		RMM 1:57.53	JUDY A NELSON 37	BARBARA ZAREMSKI 60
CARLA A ELDRIDGE 24		WENDY S RICE 35	MELANIE DULLEA 36	JOANN LEILICH 59
MICH 1:58.84		CHRISTY E LIPSON 28	IM 2:05.17	BARBARA C FRID 56
JULIE MOODY 29		CHERYL LONGFELLOW 28	DIANNE M MAGIERA 39	BETH SCHREINER 57
REBECCA FRAYNE 26		LAUREEN WELTING 32	JOAN K KOSIEK 43	SAN DIEGO SWIM 2:26.28
LESLIE BLACKBURN 27		GARDEN STATE MA 1:58.58	ANDREA J BLOCK 36	BETSY JORDAN 61
LESLIE BLACKBURN 27		A LUAllen-SCHOLZ 32	PATTY A REDIG 38	ILONA SIKE 57
JESSICA SANTO 24		WENDY PATRICK 25	MARYLAND 2:05.35	LYNNE LUND 57
OREG 2:01.26		MARY RYAN 26	DEBORAH ZIMIC 36	JEANNE LITTLE 61
LISA HJERPE 29		JENNIFER HORNER 31	ELLEN HAYS 38	ILLINOIS MASTER 2:30.47
JULIE AHRENDT 27		GCMT 1:58.98	JILL SPRINGER 39	HENRIETTA BERNING 64
KIMBERLY FAWCETT 26		NATALIE G MOSSMAN 31	GLADNEY MCKAY 37	JANET STEFFEN 55
SUSAN FISCHER 20		CHRISTINE LOGAR 25	200 YD MEDLEY R WOMEN 45+	NANCY MURPHY 55
OJAI-SANTA BARB 2:02.38		TRACY A PECK 31	COLONIALS 1776 2:09.99 95	ANN STEVENS 64
JANE CAIRNS 27		BETH BIRNBRICH 34	CECELIA MCCLOSKEY	SPM 2:44.34
		OJAI-SANTA BARB 1:59.45	J.GREYLICK-BYRON	BARBARA A ALLEN 64
		CARINA CHAPMAN 26	STEPHANIE WALSH	SANDY L STEER 58
				JAYNE M LAMBKE 58

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

WIS MASTERS 6:22.41	CINDY HERTZER 28	SARAH QUICK 34	LISA CHIN 53
INGRID STINE 59	CHICO MASTERS 4:40.75	LAKE LYTAL 4:50.33	STEPHANIE SCOTT 50
BETTY LORENZI 70	LEE GASKIN 23	DIANA RODRIGUEZ 30	R BRITTINGHAM 45
JUDY DAVIS 62	ALYSSA CLARK 26	GLORIA NEMET 33	DONNA MONROE 63
DORIS KLITZKE 62	BETSY AIRD 31	ROBYN JACKSON 30	SAN MATEO MARL 6:39.93
400 YD FREE REL WOMEN 65+	C LOCKHART 39	GILLIAN SPILLER 25	SUE SUMMERS 49
SANTA BARBARA 5:32.88 89	USF MASTERS 4:47.81	STRAWBERRY CANY 4:52.37	ROSEMARY MCNALLY 50
SHIRLEY ERICKSON	AMBER EANDI 19	LISA GOLMAN 30	DIANE MILNER 51
GRACE ALTUS	KATHY SOLOMON 30	JENNIFER PHALEN 33	LYNN DE VICTORIA 56
RUTH BAAR	TERRY BILLISH 30	LYNN WILLSTOCK 35	USF MASTERS 6:42.84
DOROTHY LA CHASSE	HOLLY SAWYER 24	THAYON BARTON 27	MARTHA CAMPBELL 49
WALNUT CREEK 6:04.09	NEM 4:50.16	400 YD MEDLEY R WOMEN 35+	SUSAN ALLEN 53
ELFRIEDA ROGERS 69	KATHERINE VEAZEY 24	STANFORD 4:21.26 96	JAN BREWER 48
PAT WHEATON 68	EMILE ELLIS 23	KIM CARLISLE	ANDREA MACTHIGALL 46
JOAN ALEXANDER 65	WENDY GULLEY 32	EILEEN WALL	FOG CITY 6:57.84
ANN HIRSCH 66	JACKI HIRSTY 45	MEG LLOYD	ALICE TOKA 45
OJAI-SANTA BARB 6:49.07	MOUNTAIN VIEW 4:54.59	NANCY LEWIS	E ZURLINDEN 54
ELEANOR BROWN 71	SUZANNE GARRITY 30	COLONIALS 1776 4:22.87	NANCY STRETCH 58
GRACE ALTUS 74	KELLY WALSH 31	VIBEKE SWANSON 36	BARBARA LAMBERTO 53
RUTH FARNHAM 68	DEBORAH TOPP 28	MARY CARR 35	USF MASTERS 7:11.43
MALCHIA OLSHAN 66	JULIA DAVIES 24	KATHY FRAZIER 37	LAUREN CHAITKIN 53
EL CERRITO 8:22.42	LA JOLLA JCC 4:57.26	JANE ZIEGLER 44	SUSAN COBB 48
ANNE SMITH 65	JULIE BRADLEY 34	WIS MASTERS 4:33.40	ERIN PASHELINSKY 50
ANNE BONNET 65	NEILY MATHIAS 30	NANCY FISHER 46	KATE EARLIX 46
VIRGINIA WEBBER 72	HEATHER KAZAKOFF 22	MELINDA MANN 41	OJAI-SANTA BARB 7:22.49
PAT POTHIER 71	HEATHER WOLFENDEN 28	CYNTHIA MALTRY 43	LEONE WEBSTER 49
SAN MATEO MARL 8:44.26	MARYLAND 5:03.67	NANCY EHRKE 44	CAROLE BORLAND 54
GLORIA STUPFEL 70	CHRISTIE KENNEY 23	WALNUT CREEK 4:35.22	KATHERINE WATSON 50
ZADA TAFT 78	JEANNETTE ENGEL 28	PATTY LANDERS 40	TINA DRENNAN 50
AUDREY ETIENNE 81	BONNIE JOHNSTON 45	CHARLENE O'BRIEN 40	400 YD MEDLEY R WOMEN 55+
HILDA BUEL 83	RACHEL HERR 25	DEBBIE FLANSBURG 41	DC MASTERS 5:14.80 97
400 YD FREE REL WOMEN 75+	400 YD MEDLEY R WOMEN 25+	KATHY WOHRLE 35	BARBARA FRID
D.C. MASTERS 7:24.14 94	U OF SAN FRAN 4:09.85 92	WALNUT CREEK 4:36.29	JOANN LEILICH
NANCY CLARK	JILL ROTHKOPF	PAULA ROEMER 36	JAYNE BRUNER
MARY LATHRAM	BETHANNE LAMBERT	MARY JO FERRIS 36	BARBARA ZAREMSKI
JEAN CHENAUX	LORETTA SOFFE	R BRITTINGHAM 46	WIS MASTERS 6:59.70
ANNE WALKER	KELLY ASPLUND	Laurie VIDAL 36	BETTY LORENZI 70
WALNUT CREEK 7:39.50	USF MASTERS 4:13.75	CHICO MASTERS 4:51.78	INGRID STINE 59
PAT PREVETZ 78	MONIQUE PETROV 28	LESLIE VIEN 40	DORIS KLITZKE 62
MARY JANE REEVES 80	KENDRA THAER 25	TERRI BAZALOS 39	JUDY DAVIS 62
JEAN DURSTON 83	PAMELA FRANKLIN 25	JILL HERNANDEZ 37	USF MASTERS 7:37.25
SALLY JOY 82	BECKY FENSON 30	DEBBI HOMAN 46	CAROL REQUADT 60
COAST MASTERS 9:04.11	STANFORD 4:25.23	USF MASTERS 4:52.13	ILA CHALE 60
MAURINE KORNFELD 76	MEG LLOYD 36	DEA FREDRICK 35	TANAKO HAGIWARA 59
MARTI GOGNIAT 87	C CHICHESTER 34	CATHY HUANG 43	MARY COFFEY 59
MADELEINE MILLER 87	MARTIE MCKINNEY 33	LINDA STANLEY 39	MARYLAND 8:14.54
MAXINE MERLINO 85	AIMEE LEHR 30	JENNIFER SCANLON 37	JOAN LIBBY 56
400 YD MEDLEY R WOMEN 19+	USF MASTERS 4:29.85	MENLO PARK 4:55.50	JILL COLEMAN 67
U OF SAN FRAN 4:06.73 94	ELLEN SCHADE 28	JANE BURKS 40	FRANCES WESTON 57
KATIE WELCH	HEATHER PERONI 27	KASS FLAIG 37	BETTY TAYLOR 82
JENNY TONON	LORI DELUCA 26	REBECCA PINTO 43	400 YD MEDLEY R WOMEN 65+
PAM FRANKLIN	L CLAVADETCHER 27	JUDY STRAUSS 43	WALNUT CREEK 6:38.80 98
CYNTHIA HINSHAW	WALNUT CREEK 4:30.70	LOS ALTOS 5:02.98	ELFRIEDE ROGERS
STANFORD 4:18.59	LISA WARD 33	KATHY ENGLAR 39	ANN HIRSCH
AIMEE LEHR 30	KAREN BOYER 41	MIRA DABROWSKI 39	JOAN ALEXANDER
EILEEN WALL 40	OLIVIA MOORE 38	WENDY JOHNSON 41	PAT WHEATON
MARTIE MCKINNEY 33	PENNY LEACH 34	C WILLIAMS 39	WALNUT CREEK 6:38.80
ELIZABETH BAST 20	EMPIRE MASTERS 4:35.62	MAG BOWEN 39	ELFRIEDE ROGERS 69
USF MASTERS 4:30.70	EILEEN GOLDBLOOM 31	PAM ALLEN 41	ANN HIRSCH 66
NANCY MCLEVAINE 30	MERYEM TANGOREN 26	DIANE ROLLER 36	JOAN ALEXANDER 65
MORISA LEMORANDE 21	CHERYL BARANY 33	Laura WRIGHT 39	PAT WHEATON 68
CORY MACKIE 34	LACEY STRICKLAND 27	EL CERRITO 5:59.35	OJAI-SANTA BARB 7:49.18
JOANNA BELKIN 29	MANATEES 4:41.15	BLYTHE LUCERO 41	MALCHIA OLSHAN 67
MENLO PARK 4:37.29	MICHELLE LEARY 31	JERRI HOLAN 38	GRACE ALTUS 74
JENNY OLSON 29	JANICE PRICE 40	HEATHER ANDERSON 38	RUTH FARNHAM 68
SHARI KAISER 24	JANE MYLUND 33	SHERRI DEMMING 41	ELEANOR BROWN 72
ANNA MALSCH 24	KARA PIANTIDOSI 26	400 YD MEDLEY R WOMEN 45+	USF MASTERS 9:19.76
LISA SHEEPER 33	GCMT 4:44.94	COLONIALS 1776 4:57.56 97	MARY ALLEN 65
SANTA CRUZ 4:38.87	NATALIE MOSSMAN 30	CECILIA MCCLOSKEY	ANNA-LISA RECCHIA 75
SARAH KERRIN 23	JENNIFER BRISKER 32	J GREULICK-BYRON	MARGARET VOORHEES 69
BECCA STEINKANT 28	TRACY PECK 31	STEPHANE WALSH	SARAH DAVIS 74
MARISA JOHNSON 40	BETH BIRNBRICH 33	C SCHROEDER	SAN MATEO MARL 10:09.16
	USF MASTERS 4:50.25	WALNUT CREEK 6:10.27	GLORIA STUPFEL 70
	DAWN TAKETA 31		HILDA BUEL 83
	AMILY ANICICH 26		
	JULIA VINALL 29		

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

ZADA TAFT	78	WENDY INGRAHAM	42	PAM ALLEN	42	800 YD FREE REL WOMEN 75+	
AUDREY ETIENNE	81	MICHELLE GHIGGERI	40	PAM BECK	40	WALNUT CREEK	16:43.17 98
		SARA SHAND	39	LAURA WRIGHT	39	JAE HOWELL	
400 YD MEDLEY R WOMEN 75+		COLONIALS 1776	8:18.85	MARYLAND	10:18.16	SALLY JOY	
WALNUT CREEK	8:44.42 98	VIBEKE SWANSON	36	GLADNEY MCKAY	37	MARY JANE REEVES	
PAT PREVETZ		JERRI FREIMUTH	33	SUSAN TAYLOR	39	JEAN DURSTON	
SALLY JOY		LOUISE BUCKLEY	31	ELLEN HAYS	38	WALNUT CREEK	16:43.19
JEAN DURSTON		LAURIE HUG	32	LINDA LEICHLITER	36	JAE HOWELL	78
MARY JANE REEVES		WILDCAT MASTERS	8:43.25	COLONIALS 1776	11:44.58	SALLY JOY	80
WALNUT CREEK	8:44.42	JAN HOWELL	25	CHRISTINE RODGERS	46	MARY JANE REEVES	81
PAT PREVETZ	75	LESLIE RAMSEY	25	JUDY MICHEL	51	JEAN DURSTON	83
SALLY JOY	81	WENDY KNOX	26	SINCLAIR BROWN	44	COAST MASTERS	20:01.67
JEAN DURSTON	83	MARCI CASEY	33	PARICIA TIMMINS	44	MARTI GOGNIAT	87
MARY JANE REEVES	80	USF MASTERS	9:04.01	OJAI-SANTA BARB	14:43.53	MADELEINE MILLER	87
COAST MASTERS	10:10.83	JOANNA BELKIN	29	PAT POST	51	MAXINE MERLINO	85
MAURINE KORNFELD	76	NELL MITCHELL	34	DONNA LECHMAN	39	MAURINE KORNFELD	76
MADELEINE MILLER	87	NANCY MCILVAINE	30	SUSAM MC MAHON	41		
MAXINE MERLINO	85	KENDRA THAER	25	JEANNE MUNESATO	48		
LOUISE JOBSON	79	GARDEN STATE MA	9:11.86				
		MICHELLE DAVIDSON	27	800 YD FREE REL WOMEN 45+			
800 YD FREE REL WOMEN 19+		BRIDGET COLL	28	DC MASTERS	9:42.96 93	200 YD FREE REL MEN 19+	
U OF SAN FRAN	8:07.90 94	LORNA CIALDELLA	33	RUTH BENNETT		TEXAS SWIMMING	1:24.72 95
PAM FRANKLIN		JULIE STEWART	36	BARBARA FRID		JEFF THIBAUT	
CYNTHIA HINSHAW		USF MASTERS	9:13.75	ANN SVANSON		DEAN PUTTERMAN	
JANET HAUER		LENY MARCUS	27	ANN LYTTLE		REED DUNNE	
KATIE WELCH		KATHY SOLOMON	30	USF MASTERS	12:02.28	ROBERT KILLEEN	
USF MASTERS	9:07.31	LISA KABOT	33	SUSAN ALLEN	53	GCMT	1:28.37
MARIA MONICA	31	DEVON SHERWOOD	27	MARTHA CAMPBELL	49	DAVID C POORBAUGH	26
STACEY WEINTHALER	29	GCMT	9:27.65	SUNNY BLENDE	47	JEFF RIEGLER	25
LORI DELUCA	26	ANGIE SHOOK	27	ANDREA NACHTIGALL	46	JARED WALKENHORST	23
MELISA HUGH	23	TRACY PECK	31	OJAI-SANTA BARB	13:01.22	CHRIS L BIRNBRICH	34
MINNESOTA	9:10.71	BETH BIRNBRICH	33	LEONE WEBSTER	49	USF MASTERS	1:29.12
NICKI PHILLIPS	28	TIFFANY MEYER	29	CAROLE BORLAND	54	JESSE STOVALL	24
TAZIA BRUNETTI	23	NEM	9:30.39	KATHERINE WATSON	50	STEVEN SACADALES	25
MARY MCCUSKEY	26	LYNNE TEDESCO	28	TINA DRENNAN	50	SEAN QUACKENBUSH	27
HEATHER NIEMI	21	LYNNE LAWSON	31	FOG CITY	13:19.79	CHRIS HARRIS	24
GOST	10:16.28	DIANE ROBITAILLE	33	E ZURLINDEN	53	GOST	1:29.87
MARY BETH BAUER	22	FRANCIE MANTAK	31	BARBARA LAMBERTO	53	ERIK L SCOLLON	26
KRISTA NICKEY	22	WIS MASTERS	9:53.29	ALICE TIKARS	45	J R ANDERSON	26
BETH MILLER	19	H SZCZUPAKIEWICZ	32	NANCY STRETCH	58	J TODD RADEL	25
SUSAN STROHL	23	KRISTIN HESSLINK	26	800 YD FREE REL WOMEN 55+		BOB W ARNOLD	20
GARDEN STATE MA	10:25.94	MELODEE NUGENT	31	DC MASTERS	10:38.43 97	GARDEN STATE MA	1:30.08
M WUNDERLICH	24	JACQUELINE SMITH	33	JAYNE BRUNER		BRANDON MUFFLEY	23
JEANNE COON	22	VENICE MASTERS	9:53.71	JOANN LEILICH		DREW AROMANDO	26
LINDA PACK	39	CAROLE SHIGAKI	42	CHRISTIE LUGO		TRISTAN FORMON	25
ALICE ALONSO	36	C SMITS-VAN OWENS	27	MARGARET PANTONIN	29	RICHARD SLAWINSKI	24
OJAI-SANTA BARB	10:26.48	CHRISTIE LUGO	26	WHITE PLAINS MA	10:03.14	ILLINOIS MASTER	1:30.19
ROBIN DOTSON	20	MARGARET PANTONIN	29	KARIN PAPES	33	PETER JUIRIS	24
JENNIFER TAM	21	BARBARA FRID		NANCY SURDOVAL	44	RYAN EBENS	22
CAITLIN JOHNSTON	29	MARY ANN MCCLAIN	56	GENEVE HENDRICKS	29	PLAMEN ALEXANDROV	37
DANA LORENGER	34	JANET MOELLER	63	CAROLYN REUTER	25	PATRICK ELDER	23
NEM	10:41.33	BARBARA JOHNSON	65	800 YD FREE REL WOMEN 35+		ARIZ	1:30.84
KATE BUTLER	23	RUTH AARON	69	WIS MASTERS	13:58.77	STEPHEN S SO	23
MICHELLE PAPAGAN	31	INGRID STINE	59	INGRID STINE	59	TIM A TAYLOR	36
JENNIFER GILLETT	22	DORIS KLITZKE	62	DORIS KLITZKE	62	SCOTT D SHAKE	40
SARA BERRY	24	JUDY DAVIS	62	JUDY DAVIS	62	TROY DALBY	29
GCMT	11:18.50	BETTY KENDALL	77	BETTY KENDALL	77	CY-FAIR CYCLONE	1:31.30
ANDREA NICKEY	24	MARYLAND	14:36.76	MARYLAND	14:36.76	GARY SCHATZ	43
JENNIFER GLASER	26	MARGIE PEARSALL	59	MARGIE PEARSALL	59	MARK WORLEY	21
RUTH PERRY	28	CAROLOU HURLBERT	56	CAROLOU HURLBERT	56	ALEX FULLER	23
CONNIE CAHILL	48	BETSY ROGAN	64	BETSY ROGAN	64	J ARMSTRONG	22
LA MESA MASTERS	11:44.46	FRANCES WESTON	58	FRANCES WESTON	58	MICH	1:31.37
MINDY PERKINS	28	800 YD FREE REL WOMEN 65+		800 YD FREE REL WOMEN 65+		ANDREW BERGER	33
M'LISS HINSHAW	43	SANTA BARBARA	12:14.80 89	SANTA BARBARA	12:14.80 89	ROBERT ANDERSON	29
CATHY RUFF	30	SHIRLEY ERICKSON		SHIRLEY ERICKSON		TODD BRIGGS	35
SHAWNA DAIL	22	GRACE ALTUS		GRACE ALTUS		CHRIS ZOLTAK	23
LA MESA MASTERS	12:31.29	RUTH BAAR		RUTH BAAR		ILLINOIS MASTER	1:31.89
SHANNON DIMARTINO	22	DOROTHY LA CHASSE		DOROTHY LA CHASSE		CHRIS PERNIN	24
ALYSIA SWANER	19	OJAI-SANTA BARB	18:09.79	OJAI-SANTA BARB	18:09.79	CHRIS LUTZ	30
ANN MARTIN	68	MALCHIA OLSHAN	67	MALCHIA OLSHAN	67	SCOTT CARL	26
JANE MONAGHAN	42	RUTH FARNHAM	68	RUTH FARNHAM	68	GREG GOOCH	26
800 YD FREE REL WOMEN 25+		ELEANOR BROWN	72	ELEANOR BROWN	72	GRIN	1:33.08
WALNUT CREEK	7:59.38 96	JENNIE TAYLOR	80	JENNIE TAYLOR	80	ADAM DAWKINS	22
PENNY LEACH						JASON TIMMONS	31
						BOB PARENTEAU	26
						STEVE HARTSOCK	24

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

<p>200 YD FREE REL MEN 25+</p> <p>HOUSTONIAN CLUB 1:23.34 90 JOHN SMITH JEFF FREY CLAY BRITT SAM SEIPLE</p> <p>SLUG 1:25.20 BERT BERGEN 31 MARC V RINZLER 27 DEREK P ROBINSON 28 FRANK E WATTLES 27</p> <p>SPM 1:25.57 ANDREW W EATON 25 STUART A BARTON 30 WILLIAM L SPECHT 40 C MICHAEL HALFAST 32</p> <p>ANCM 1:26.40 JEFFREY H RODDIN 29 MICHAEL A FELL 36 WALLY C DICKS 35 CLAY J BRITT 37</p> <p>GRIN 1:27.08 COLL HADDON 32 STEVE DEMPSEY 33 ADAM M FERRO 25 JON SHOPE 32</p> <p>GARDEN STATE MA 1:27.41 CURTIS SAWIN 26 ED TSUZUKI 39 GERALD OMARA 28 BILLY BARR 34</p> <p>USF MASTERS 1:27.80 SCOTT ROBINSON 33 DANIEL VEATCH 33 JOHN MONNICH 30 MATTHEW CERIZO 29</p> <p>UT 1:28.11 JOE A HUGHES 26 ERIK HANSSON 26 JON FROLICH 25 ERIK CRANKSHAW 25</p> <p>BAYLOR LONE STA 1:28.72 ED WAGNER 26 STEVE REED 29 ROBERT KILLEEN 35 JIM MONTGOMERY 43</p> <p>DC AQUATICS CLU 1:29.03 NEILL WILLIAMS 29 MICHAEL S BRAY 30 MATTHEW KINNEY 27 COREY CARLISLE 26</p> <p>ATLANTA RAINBOW 1:29.37 CHRISTOPHER M LEE 31 JOHN T BROWN 32 MARK KAISER 33 LORENZO BENUCCI 29</p> <p>200 YD FREE REL MEN 35+</p> <p>LONE STAR 1:25.72 90 JAMES MONTGOMERY RICHARD HESS TRIP HEDRICK DAVID HAGUE</p> <p>IM 1:26.30 THOMAS J REDIG 36 TED J SOLTYS 37 THOMAS MCCABE 40 DAVE GIBSON 37</p> <p>VMST 1:28.59 LOUIS S TUDOR 42 DAVID B MALSBURY 36 CHRISTOPHE FLOOD 35 JOHN B TUDOR 40</p> <p>IM 1:28.71 JOHN PRATT 35</p>	<p>PLAMEN ALEXANDROV 37 JOHN MARTIN 42 THOMAS S O'NEILL 35</p> <p>RMM 1:29.75 JAMES E LILLEY 38 HOLDEN J BANK 38 RICHARD W HESS 43 CHRISTOPHE NOLTE 41</p> <p>TEAM TEXAS 1:30.48 DAVID HAGUE 44 BRUCE WENCEL 42 JON SMILEY 36 M STINCHCOMBE 41</p> <p>GOST 1:31.62 RANDY SIMONS 49 THOMAS C BOYD 41 COURTNEY ROBERTS 35 THOMAS HAMMERGREN 37</p> <p>USF MASTERS 1:31.95 RICHARD GARRETT 44 CHRIS WATERS 35 HERMAN BOND 35 DEAN PANZICA 35</p> <p>O**I*O MASTERS 1:31.95 JACK GROSELLE 43 DAVID QUIGGIN 53 KARL KAZMAIER 42 LOU HORWITZ 45</p> <p>ANCM 1:32.43 KEITH K WILSON 41 CHRIS J LAITI 37 THOMAS A DENES 40 DALE MC ELHATTA 36</p> <p>WCM 1:32.52 JOHN W BAKER 35 KERRY L O'BRIEN 41 DAVID S COOL 37 GREG A REMMERT 35</p> <p>200 YD FREE REL MEN 45+</p> <p>OLYMPIC CLUB 1:31.98 97 ROBERT STRAND TIM BIRNIE CHARLES YOURD STEVE CLARK</p> <p>RMM 1:32.42 TODD A BRYAN 47 WILLIAM ABBOTT 51 PAUL MC CORMICK 51 RICHARD ABRAHAMS 53</p> <p>IM 1:34.82 BRYAN J BATEMAN 50 JOHN FITZGERALD 49 STEPHEN ALEXANDER 45 GEORGE F WENDT 50</p> <p>WCM 1:35.32 CARY E KENT 46 GENE E HART 45 MAL JESTER 49 STEVEN E HAUFLEER 45</p> <p>GRIN 1:35.68 TOM PERRIN 47 JOEL M STAGER 45 JIM FOX 45 CRAIG BAUER 45</p> <p>IAMA 1:37.22 NICHOLAS GEARHART 46 ROGER D JORGENSEN 50 STEVE SHIPPEY 47 JR ENTWISTLE 45</p> <p>SNM 1:37.68 STEVEN P LINTZ 47 PATRICK L CLASS 49 DON MC KENZIE 50 FRANS D NELSON 55</p> <p>GARDEN STATE MA 1:38.31 PAUL COX 46</p>	<p>EDWARD NESSEL 52 ARTHUR DEFFAA 49 BRAD GLENN 49</p> <p>MICH 1:38.78 CHUCK A OLSON 48 RICHARD R CHANEY 47 LAWRENCE KIMBALL 47 LEONARD BROCKHAHN 47</p> <p>GOLD COAST 1:38.89 JOEL BURNS 51 PETER GALVICH 47 PETER LONCTEAUX 48 JOHN SPIRE 46</p> <p>USF MASTERS 1:39.76 DUKE DAMLIN 49 RICHARD ATONDO 48 JULIUS YOUNG 57 BRAD PENCE 46</p> <p>200 YD FREE REL MEN 55+</p> <p>OLYMPIC CLUB 1:37.31 98 JAMES ELDER CHARLES RAVEN ED CAZALETT JAMES KRUEGER</p> <p>TOC 1:37.31 JAMES E ELDER 55 CHARLES H RAVEN 59 ED CAZALETT 55 JAMES KRUEGER 59</p> <p>GOST 1:43.91 THOMAS J OLANDER 56 YOSHI OYAKAWA 64 DAN T WILLERT 55 ORRIN NORDSTROM 57</p> <p>NEM 1:46.52 MATT CHROSTOWSKI 56 THOMAS MANFREDI 55 JOHN GORMLY 57 BOB BOURASSA 56</p> <p>NCMS 1:47.34 ROLFFS PINKERTON 59 JOHN D KORTHEUER 67 JERRY CLARK 60 CLARKE MITCHELL 65</p> <p>GOLD COAST 1:48.11 DAVID MCINTYRE 60 ALAN RAPPERPORT 64 RAY WELSH 58 CAV CAVANAUGH 62</p> <p>GOST 1:49.03 JOHN S PENN 55 JOHN MEDICI 60 SID HALL 62 JOSEPH M LAMMERT 58</p> <p>SAN DIEGO SWIM 1:52.56 BILL EARLEY 61 JOHN GOODE 64 RICK EVANS 56 MIKE FRESHLEY 57</p> <p>VMST 1:53.46 WARNER F BRUNDAGE 55 RICHARD CHEADLE 60 EDWARD H GAULRAPP 55 JACK SCHILTZ 55</p> <p>GRIN 1:54.96 JERRY R MYERS 60 RONALD N BEAMS 60 MEL GOLDSTEIN 59 GEORGE QUIGLEY 57</p> <p>USF MASTERS 1:55.42 DANIEL OSBORNE 64 C SAUNDERS 59 ROBERT FEWSTER 59 JOE ILLICK 63</p> <p>200 YD FREE REL MEN 65+</p>	<p>SAN DIEGO 1:52.53 96 DONALD BAKER JIM JONES WILLIAM PHILLIPS KENNETH KIMBALL</p> <p>TOC 1:56.75 DONALD P HILL 66 RALPH F PERRY 71 FRANK R GRANNIS 73 PHILIP D CHAPMAN 67</p> <p>GAJA 1:57.22 IRWIN STOLZ 68 JACK MITCHELL 71 HERB MCCAULEY 75 ELMER SCHNITZER 69</p> <p>IM 1:58.97 JOHN R MASTERS 67 STEPHEN MULLINS 65 FRED O LEHMAN 67 WAYNE LEENGRAN 67</p> <p>SAN DIEGO SWIM 2:00.82 DONALD BAKER 66 WILLIAM PHILLIPS 70 DONALD HUBBARD 70 KEN KIMBALL 67</p> <p>SPM 2:06.76 CHARLES KOHNKEN 66 MIKE TORSNEY 67 THOMAS SMITH 70 HAROLD FERRIS 67</p> <p>GRIN 2:07.12 FRANCIS MCAREE 67 RUSSELL L JUDD 65 TIMOTHY A REIMAN 65 ROBERT L RISLEY 70</p> <p>OJAI-SANTA BARB 2:11.40 WOODY GAIR 67 JACK SPRACKLIN 68 FRANK PIEMME 73 JURGEN SCHMIDT 75</p> <p>FMM 2:17.57 ELMER LUKE 71 RICHARD OLUFS 73 ALAN MALONEY 69 PAUL HUTINGER 73</p> <p>COLONIALS 1776 2:19.99 ROGER FRANKS 71 THOMAS FLYNN 69 WILLIAM MARINO 70 JOHN EMANUEL 73</p> <p>MICH 2:20.35 JOHN REESE 72 JOHN ALT 73 ELMER FROST 75 DON KORTEN 71</p> <p>200 YD FREE REL MEN 75+</p> <p>OREGON 2:14.12 98 EARL WALTER GERALD HUESTIS GILBERT YOUNG ANDREW HOLDEN</p> <p>OREG 2:14.12 EARL WALTER 76 GERALD HUESTIS 77 GILBERT YOUNG 75 ANDREW HOLDEN 78</p> <p>COAST MASTERS 2:18.08 WOODROW BOWERSOCK 84 BOB CHRISTIANS 82 BOB MERRICK 77 LOUIS GIBERSON 77</p> <p>SPM 2:56.94 BILL UHRICH 77 RICHARD AVERY 75 ROBERT ATWOOD 77</p>
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1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

FRED WALBOLT	85	MOOK RHODENBAUGH	35	KENNETH A SANDERS	50
TEAM TEXAS	3:05.29	GREG RHODENBAUGH	46	RALPH S BOVARD	45
TEX ROBERTSON	88	BOBBY PATTEN	35	JACK SALVATORE	47
GUS CLEMINS	80	TRIP HEDRICK	35	JAMES F BLY	51
BENNETT ALLEN	84	GARDEN STATE MA	1:37.43	GOST	1:54.29
JESSE COON	87	RICHARD TOOTHILL	28	DALE THOMPSON	48
IM	3:58.31	BENN DOYLE	39	DAVID J ABINERI	54
BOB E BEAL	84	CURTIS SAWIN	26	TERRY A SUTTON	45
ELMER PIERCE	83	BILLY BARR	34	RANDY SIMONS	49
PAUL MENZIES	82	SPM	1:37.69	RMM	1:54.54
DAVE MALBROUGH	85	WILLIAM L SPECHT	40	TIM VARNER	47
		ANDREW W EATON	25	WILLIAM ABBOTT	51
200 YD MEDLEY R	MEN 19+	STUART A BARTON	30	TODD A BRYAN	47
		C MICHAEL HALFAST	32	PAUL MC CORMICK	51
TEXAS SWIMMING	1:33.18 95	SLUG	1:38.28		
JEFF THIBAUT		MARC V RINZLER	27	200 YD MEDLEY R	MEN 55+
DEAN PUTTERMAN		ROBERT WHITLEY	48		
MICHAEL DUNNE		FRANK E WATTLES	27	OLYMPIC CLUB	1:53.89 98
ROBERT KILLEEN		BRIAN K JUDD	30	ED CAZALET	
GCMT	1:41.02	DC AQUATICS CLU	1:38.65	JAMES KRUEGER	
CHRIS L BIRNBRICH	34	COREY CARLISLE	26	JAMES ELDER	
JARED WALKENHORST	23	MATTHEW KINNEY	27	CHARLES RAVEN	
JEFF RIEGLER	25	NEILL WILLIAMS	29	TOC	1:53.89
DAVID C POORBAUGH	26	MICHAEL S BRAY	30	ED CAZALET	55
MICH	1:41.48	IM	1:39.27	JAMES KRUEGER	59
PETE LOCICCHIO	28	GREG GOOCH	26	JAMES E ELDER	55
ROBERT ANDERSON	29	DAVID J BROWN	31	CHARLES H RAVEN	59
CHRIS ZOLTAK	23	SCOTT A CARL	26	GOST	1:55.19
ANDREW BERGER	33	BOB YOUNG	33	YOSHI OYAKAWA	64
ILLINOIS MASTER	1:41.59	ATLANTA RAINBOW	1:39.91	KARL E WIEDAMANN	59
GREG GOOCH	26	MARK KAISER	33	JOSEPH M LAMMERT	58
CHRIS LUTZ	30	JACK MAC KENROTH	28	ORRIN NORDSTROM	57
SCOTT CARL	26	JOHN O'KEEFE	30	VMST	2:02.57
CHRIS PERNIN	24	LORENZO BENUCCI	29	JOHN R MCGILL	62
GOST	1:41.65	GRIN	1:40.07	WARNER F BRUNDAGE	55
ERIK L SCOLLON	26	COLL HADDON	32	JACK SCHILTZ	55
J TODD RADEL	25	JASON TIMMONS	31	GEORGE A MURPHY	61
BOB W ARNOLD	20	DEWEY WYATT	34	NCMS	2:03.08
J R ANDERSON	26	ADAM M FERRO	25	ROLFFS PINKERTON	59
IM	1:41.92	UT	1:40.42	JOHN D KORTHEUER	67
DICK CLARKE	29	ERIK CRANKSHAW	25	CLARKE MITCHELL	65
DAVID ACKERMAN	32	MORI PAULSEN	40	JERRY CLARK	60
BRIAN CUNNINGHAM	25	JOE A HUGHES	26	SDSM	2:03.26
KARL A STEINKE	23	JON FROLICH	25	RICK EVANS	56
MARYLAND	1:42.04	NEM	1:40.53	MIKE FRESHLEY	57
JERRY FRENTSOS	32	CHRISTOPHE WOOD	30	BILL EARLEY	61
CRAIG DEWING	28	SCOTT VANKUILENBU	33	DONALD BAKER	67
JIM O'CONNOR	44	MARK S GOLDMAN	26	GOST	2:05.42
MARK MANGOLD	23	ROB S BERRY	30	THOMAS N TRIPP	55
RMM	1:42.25	IAMA	1:41.04	SID HALL	62
MIKE S GONZALES	31	DANIEL E KEALY	39	THOMAS J OLANDER	56
GEORGE F MILLER	33	ROBERT K LEYSHON	29	DAN T WILLERT	55
DAVE M ROSS	27	MARK J LEWIS	33	NEM	2:07.91
AARON MC CORMICK	23	MARK BARNETT	41	BOB BOURASSA	56
GARDEN STATE MA	1:43.36			JOHN GORMLY	57
BRANDON MUFFLEY	23	200 YD MEDLEY R	MEN 35+	THOMAS MANFREDI	55
RICHARD SLAWINSKI	24			MATT CHROSTOWSKI	56
WALTER BELL	22	COLONIALS 1776	1:36.66 91	GOLD COAST	2:09.47
WARREN TOWNS	32	STU MARVIN		DAVID MCINTYRE	60
NIAG	1:44.84	DAVE SCHMINKE		RAY WELSH	58
ERIC W WINKKY	29	MARK SCHUMAN		CAV CAVANAUGH	62
RICHARD VANBRUNT	30	CHARLES NORELLI		L SILVERSTEIN	63
ERIC M CAPALUPO	24	IM	1:36.81	NEM	2:14.92
STEVEN P TOTHERO	28	CHARLES G GROEN	38	D BARR CLAYSON	62
MINN	1:45.09	PLAMEN ALEXANDROV	37	TED HAARTZ	70
WAYDE MULHERN	38	DAVE GIBSON	37	WIN B WILSON	71
JAMES M WISE	33	THOMAS MCCABE	40	LARRY M DUNHAM	60
TONY L PETERSON	20	RMM	1:37.70	RMM	2:21.07
THOMAS W EMISON	39	JAMES E LILLEY	38	JOHN C TOBIN	55
OJAI-SANTA BARB	1:45.09	HOLDEN J BANK	38	BOB W PATTEN	63
SCOTT REED	27	RICHARD W HESS	43	MARK A PLUMMER	61
MAURO SILVA	22	RICHARD ABRAHAMS	53	JACK O TRUBY	73
LEONARDO DEBONI	23	VMST	1:39.88	MARYLAND	2:21.07
KRIS WIDGER	25	DAVID B MALSURY	36	CARL CHRISTENSEN	60
		MICHAEL J SLOWEY	40	ALEXANDER PETRLIK	56
200 YD MEDLEY R	MEN 25+	JOHN B TUDOR	40	TED MURRAY	57
		LOUIS S TUDOR	42	PHILIP KERR	63
LONE STAR	1:31.54 91	BLS	1:40.29		
				JAY YARID	35
				JIM CAPERS	46
				BOBBY PATTEN	35
				LAWRENCE ROWE	35
				DC AQUATICS CLU	1:40.74
				ALAN F GODFREY	40
				DEAN PUTTERMAN	35
				PAUL FRENTSOS	36
				JOSE CUNNINGHAM	41
				IM	1:40.89
				TIMOTHY P ROURKE	43
				JOHN SULLIVAN	37
				JOHN PRATT	35
				TED J SOLTYS	37
				TEAM TEXAS	1:41.32
				JON SMILEY	36
				DAVID GUTHRIE	37
				DAVID HAGUE	44
				M STINCHCOMBE	41
				ARIZ	1:41.48
				SCOTT D SHAKE	40
				GREGORY DOZER	40
				JOHN T PIECUCH	42
				PETER D NUNAN	40
				WEST HOLLYWOOD	1:43.08
				JAMES T BALLARD	40
				MIKE MERE	39
				KURT S SMITH	37
				GARY H QUINN	39
				EMP	1:44.09
				DEAN FOCHIOS	44
				KIP FIERRO	38
				ROBERT GOLDBLOOM	38
				A VAN DER PLAS	46
				200 YD MEDLEY R	MEN 45+
				THE OLYMPIC CLB	1:42.48 97
				TIM BIRNIE	
				ROBERT STRAND	
				CHARLES YOURD	
				STEPHEN CLARK	
				TOC	1:44.59
				TIM A BIRNIE	52
				ROBERT STRAND	52
				RANDY B WILLIAMS	46
				MIKE B SHERRILL	48
				GRIN	1:44.69
				BOB THOMAS	45
				PETER A ANDERSON	54
				TOM PERRIN	47
				JOEL M STAGER	45
				GARDEN STATE MA	1:46.85
				PAUL COX	46
				RICHARD BOHAN	47
				ARTHUR DEFFAA	49
				BRAD GLENN	49
				IM	1:48.00
				JOHN FITZGERALD	49
				GEORGE F WENDT	50
				PHIL DODSON	45
				BRYAN J BATEMAN	50
				SNM	1:52.00
				FRANS D NELSON	55
				DON MC KENZIE	50
				STEVEN P LINTZ	47
				PATRICK L CLASS	49
				MICH	1:52.41
				RICHARD R CHANEY	47
				STEVE HANSEN	46
				LAWRENCE KIMBALL	47
				LEONARD BROCKHAHN	47
				UT	1:53.79
				WILLIAM REEVES	45
				SCOTT SHIELDS	48
				DOUGLAS L SMITH	46
				RICHARD KITTEL	49
				ARIZ	1:53.84

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

WALNUT CREEK	4:23.12	W MORGAN BYERS	70	KEVIN M MAJOROS	37	JAMES T BALLARD	40
JACK LANCE	55	HARLAN DRAKE	69	SAN DIEGO SWIM	4:07.29	TOM REUDY	43
BOB MAYO	64	TOM MICHELSON	66	ROBBY DAVIS	36	KURT S SMITH	37
HAROLD BOSCOVICH	55	GOST	6:00.94	TIM BROUILLETTE	32	MIKE MERE	39
YEM BURR	53	JACK FLORANCE	75	ERIC YEN	24	USF MASTERS	3:52.13
WIS MASTERS	4:25.52	DAVID STALEY	67	MATTHEW O GRADY	37	STEVE MUNDSCHAU	44
KENNETH WEHR	46	WARREN FOSTER	72	400 YD MEDLEY R	MEN 25+	JACK EWING	37
JOHN MANIACI	46	ED HABAN	72	ANCM	3:28.46 98	CHRIS WATERS	35
STEPHEN JUSTINGER	45	400 YD FREE REL	MEN 75+	CLAY BRITT		DEAN PANZICA	35
TIM TROWBRIDGE	58	OREGON	5:10.57 98	WALLY DICKS		COLONIALS	3:54.97
400 YD FREE REL	MEN 55+	EARL WALTER		JEFFREY RODDIN		JOHN G CULHANE	41
GRIN	4:03.06 95	GERALD HUESTIS		MICHAEL FELL		JOHN S CIGLER	38
DAVID COSTILL		GILBERT YOUNG		MONTGOMERY	3:28.46	CHARLIE JOHNSON	35
MEL GOLDSTEIN		ANDREW HOLDEN		CLAY BRITT	37	JIM ALTON	38
FRAN MCAREE		OREG	5:10.57	WALLY DICKS	35	USF MASTERS	4:01.55
JERRY MYERS		EARL WALTER	76	JEFFREY RODDIN	28	KENT FORD	38
OREG	4:04.62	GERALD HUESTIS	77	MICHAEL FELL	36	RICHARD GARRETT	44
RICHARD WEICK	64	GILBERT YOUNG	75	USF MASTERS	3:35.13	STEVEN CZEKALA	44
DAVID RADCLIFF	63	ANDREW HOLDEN	78	DANIEL VEATCH	33	TIM HARVEY	43
DICK SLAWSON	62	COAST MASTERS	5:33.57	GREGORY SAMPSON	29	WIS MASTERS	4:05.78
TOM LANDIS	56	WOODROW BOWERSOCK	84	MATTHEW CERIZO	29	JEFFREY MAROHL	40
NEM	4:17.30	BOB CHRISTIANS	82	SCOTT ROBINSON	33	DAVID BART	38
BOB BOURASSA	56	LOUIS GIBERSON	77	DC AQUATICS CLU	3:37.08	ANDREW SCHASER	41
RICK BUSHNELL	57	BOB MERRICK	77	COREY CARLISLE	26	C HAGERUP	38
THOMAS MANFREDI	55	400 YD MEDLEY R	MEN 19+	MATTHEW KINNEY	27	MANATEES	4:06.28
MATT CHROSTOWSKI	56	U OF SAN FRAN	3:34.08 92	NEILL WILLIAMS	29	MARK HUFFMAN	40
SAN DIEGO SWIM	4:30.19	GARY YANG		MICHAEL S BRAY	30	CRAIG SIHNER	38
MIKE FRESHLEY	56	JOHN HARLOW		GARDEN STATE MA	3:39.35	MIKE BACHOS	42
PETER RIDDLE	59	MARK FIORITO		RICHARD TOOTHILL	28	PAUL PRICE	38
BILL EARLEY	61	GREG MACKEM		BENN DOYLE	39	COLONIALS 1776	4:06.46
JOHN GOODE	64	STRAWBERRY CANY	3:44.41	CURTIS SAWIN	26	WARREN FISHER	41
INLAND MASTERS	4:53.36	LEE WANIE	24	BILLY BARR	34	STEVE KELLY	40
MARK KRAKOWER	55	JOHN CAVE	22	ATLANTA RAINBOW	3:42.20	CHARLES NORELLI	42
GEORGE BRUGGEMAN	62	RICK BORRY	27	MARK KAISER	33	JOE BLACK	39
CHARLIE POTTS	62	ERNEST ODINEC	22	JACK MAC KENROTH	28	WALNUT CREEK	4:07.00
BOB BEST	65	USF MASTERS	3:49.82	JOHN O'KEEFE	30	KERRY O'BRIEN	40
SAN MATEO MARL	4:55.39	STEPHEN SMITH	31	LORENZO BENUCCI	29	DICK CADEMARTORI	40
DON STUPFEL	70	GREGORY MACKEN	29	STANFORD	3:42.82	PAUL MCGHEE	35
DICK PETERSEN	60	GAMES RUGGIERO	25	CARR PHILLIPS	32	GREG REMMERT	35
STAN PANTIO	59	CHRIS HAKIS	24	SPENCER ELDRED	41	SACRAMENTO MAST	4:07.53
RODGER CAMPBELL	66	ATLANTA RAINBOW	3:52.92	RANDY COX	35	DAVID UGARKOVICH	50
NORTH CAROLINA	5:08.69	JIM EBERT	34	STEVE JOHNSON	27	ANDREW D BRENNAN	37
MILTON GEE	61	JOHN T BROWN	32	USF MASTERS	3:43.71	SCOTT J REUSS	36
JOHN MURPHY	73	JASON SMITH	22	JESSE STOVALL	25	ROBERT S SHULER	39
JOHN KORTHEUER	66	CHRISTOPHER M LEE	31	KAI PETERS	27	400 YD MEDLEY R	MEN 45+
JERRY CLARK	60	USF MASTERS	3:53.21	SHAWN JONES	31	OLYMPIC CLUB	3:59.11 96
GOST	5:20.79	ANDREW GELLER	26	SHEAN KILLION	30	TOD SPIEKER	
BOB WILLIAMS	58	STEVEN SACADALES	25	NEM	3:49.52	BOB STRAND	
JACK WOOLEGGE	64	OLEG LITVINOV	31	ROB BERRY	29	JIM ELDER	
FRANK SAMOYA	71	ROMAN KOTLYAR	21	BRIAN CASEY	34	STEVE CLARK	
JIM GARVIN	63	WEST HOLLYWOOD	3:59.60	FRED SCHLICHER	49	USF MASTERS	4:07.77
EL CERRITO	6:14.73	BRUCE HATTON	40	HENRY BAKER	30	DUKE DAHLIN	49
WILLIAM ANDERSON	70	KEITH KOOL	21	PACIFIC NORTHWE	3:49.77	PAUL MENYHARTH	51
NEAL BLURENFELD	65	ROBERT FUENTES	33	JON PAUOLE	27	BRAD PENCE	46
EMERY WEED	57	JAY CALHOUN	38	DANA R COX	45	RICHARD ATONDO	48
YOSH MURAKAWN	57	LA JOLLA JCC	4:01.68	PAUL E SHERMAN	34	GARDEN STATE MA	4:17.06
400 YD FREE REL	MEN 65+	TRACY STRAHL	37	CRAIG MALLERY	35	RICHARD ALEXANDER	53
ILLINOIS	4:25.55 98	RODRIGO INGLESIAS	22	WALNUT CREEK	3:53.45	EDWARD NESSEL	52
JOHN MASTERS		GUNNAR GRANDQUIST	32	DAVE CADEMARTORI	32	ARTHUR DEFFAA	49
STEVE MULLINS		RANDY FRANKE	32	JOHN SCHWENGER	31	JIM DRAGON	53
FRED LEHMAN		ILLINOIS MASTER	4:03.80	STEVE STAHL	32	WALNUT CREEK	4:22.28
WAYNE LEENGRAN		MIKE WEBER	23	JOHN BAKER	34	GENE HART	46
ILLINOIS MASTER	4:25.55	ALEXANDER BOON	26	400 YD MEDLEY R	MEN 35+	MAL JESTER	48
JOHN MASTERS	67	MATT KOWAL	25	ILLINOIS	3:39.70 97	JOHN KELLER	48
STEPHEN MULLINS	65	ROBERT YOUNG	33	ANDY SEIBT		CARY KENT	46
FRED LEHMAN	67	LYNBROOK	4:05.32	STEVE BOONE		SANTA CRUZ	4:23.38
WAYNE LEENGRAN	67	JEFF SCHUBERT	26	TED SOLTYS		JOHN SULTAN	50
SAN DIEGO SWIM	4:38.24	GREG SCALLON	29	TOM REDIG		JOEL WILSON	49
DONALD HUBBARD	70	J FONTENOT	23	DC AQUATICS CLU	3:40.66	BRIAN FOSS	55
WILLIAM PHILLIPS	70	PATRICK BATES	26	ALAN F GODFREY	40	STEVE HOBERG	51
KEN KIMBALL	67	DC AQUATICS CLU	4:07.21	DEAN PUTTERMAN	35	COLONIALS 1776	4:26.95
DONALD BAKER	66	SCOTT R BRINITZER	34	PAUL FRENTSOS	36	TOM KRUG	49
WIS MASTERS	5:24.88	CRAIG M BADINGER	23	GEOFFRE HEUCHLING	38	WILLIAM MOYER	52
ROBERT KUENY	67	LEONARDO ESPINOSA	37	WEST HOLLYWOOD	3:41.64	DAVID CASTO	45
						HENRY DETERING	52
						MANATEES	4:27.66

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

ALAN LEVINSON	46	ERNEST MOORE	70	COLONIALS	9:55.41	KERRY O'BRIEN	41
GARY FITSMER	52	EDWARD BITNER	75	A FERNANDO	23	PAUL MCGHEE	36
GRANT INMAN	46	WIS MASTERS	6:21.62	STEVE WUNDER	33	CHARLIE DANIELS	41
TOM ALDERSON	46	TOM MICHELSON	66	KEI KOIZUMI	29	COLONIALS	8:04.98
WEST HOLLYWOOD	4:27.72	JOHN BAUMAN	67	WILSON RUMBLE	37	KELLY KING	39
MICHAEL MEALIFFE	57	ROBERT KUENY	67			MIKE MERE	39
JON BAUER	45	HARLAN DRAKE	69	800 YD FREE REL	MEN 25+	M HENDRICK	40
PAULO FIGUEIREDO	51	USF MASTERS	8:57.90			JONATHAN OLSEN	35
DAVID HAY	47	FRED ROGERS	75	SANTA CLARA	7:00.25 94	COLONIALS	8:12.26
SIERRA NEVADA	4:28.86	KURT HENSCH	68	SERGEY MARINIUK		CHARLES JOHNSON	35
JIM LAURIE	51	RICHARD SCHUMBURG	71	FRANZ MORTENSEN		KEITH ROBINSON	43
DON MCKENZIE	50	VICTOR DEKALB	72	MICHAEL MOORE		ALLEN ORSI	40
STEVE LINTZ	47			JON CHRISTENSEN		JOHN CULHANE	42
JOE WALKER	56	400 YD MEDLEY R	MEN 75+	NEM	7:38.58	LAKESIDE MASTER	8:18.01
GCMT	4:32.35			SCOTT JARR	30	CHUCK LAMBERT	41
LARRY RINGER	49	ST. PETE	6:55.99 91	MICHAEL SEUER	27	BUCKY STOESS	37
TIM KONFAL	50	FRANK TILLOTSON		MATTHEW GILSON	30	JOHN GLEASON	38
BRAD WOELFEL	48	WILLIAM MOLLOY		STUART CROMARTY	33	KIRK BUESE	37
ROBERT BROWN	45	JOHN JOHNSTON		NEM	7:40.45	CARSON VALLEY	8:19.85
STRAWBERRY CANY	4:39.65	KERMIT HOTVEDT		MARK SEASHOLES	30	KIRK CHIAPETLA	51
DELL UPTON	48	COAST MASTERS	6:29.58NV	PETER WORLAND	40	STEVE FIGUEROA	45
ALAN KREN	45	BOB CHRISTIANS	82	BRIAN CASEY	34	TODD CONNELLY	46
JEREMY COHEN	49	BOB MERRICK	77	ROB BERRY	29	SHERWIN GORMLY	36
RALPH ELDER	46	LOUIS GIBERSON	77	MENLO PARK	7:51.18	MENLO PARK	8:28.73
		WOODROW BOWERSOCK	84	ED OWEN	26	DAVE QUINCY	37
400 YD MEDLEY R	MEN 55+			JOHN MOORE	33	JOE RAGAINS	39
		800 YD FREE REL	MEN 19+	BRIAN KOHLMEIER	28	EDUARDO UACH	39
SAN DIEGO	4:42.59 97	DAVIS AQUATIC	7:09.51 96	SHAWN SAMUELS	36	SHERMAN HALL	35
BILL EARLEY		BRANDON CARTER		COLONIALS	7:54.34	WIS MASTERS	8:49.70
MIKE FRESHLEY		MATT GRAHN		BJORN ZIKARSKY	31	MARK SIMPSON	40
G.WORTHINGTON		BRAD WINSOR		JIM JORDAN	32	ERIC JERNBERG	39
STEVE MOSELEY		JOHN KEPPELER		JIM HARPER	30	ERIC STRANDT	39
SAN DIEGO SWIM	5:02.54	GARDEN STATE MA	7:44.84	DAN MCLEOD	33	ANDREW SCHASER	41
JOHN GOODE	64	GERALD OMARA	28	COLONIALS	7:58.32	OJAI-SANTA BARB	9:03.03
PETER RIDDLE	59	BRANDON MUFFLEY	23	TODD COOPER	35	JOHN DAVID	40
MIKE FRESHLEY	56	ROB COPELAND	41	SCOTT HIROSE	31	R SANTANGELO	41
BILL EARLEY	61	RICHARD TOOTHILL	28	KLAY HOUSTON	31	MARC WHITMAN	40
NEM	5:12.02	NEM	7:53.86	MICHAEL EADE	41	DAVID SCHRADER	42
BOB BOURASSA	56	STEPHEN JOE	22	COLONIALS	8:08.25	COLONIALS	9:03.17
RICK BUSHNELL	57	JEFF BUSHNELL	24	P PRETTITORE	28	C CARSON	43
THOMAS MANFREDI	55	JON CASWELL	21	KEVIN MAJOROS	37	PAUL FORTOUL	40
MATT CHROSTOWSKI	56	BILL TYLER	39	STANFORD YOUNG	33	C FALCO	38
USF MASTERS	5:31.88	MARYLAND	7:56.65	G HEUCHLING	38	BUCK BROKER	42
DANIEL OSBORNE	64	JERRY FRENTSOS	32	NEM	8:11.09		
C SAUNDERS	59	CRAIG DEWING	28	DOUG WEBB	27	800 YD FREE REL	MEN 45+
ROBERT FEWSTER	59	BILL KVETKAS	36	M SEIDENBERG	32		
JOE ILLICK	63	JASON MILLER	24	CHRIS REPOSA	28	NEW ENGLAND	7:52.24 98
OJAI-SANTA BARB	6:27.49	CRESCENT HILL M	8:11.50	GARDEN STATE MA	8:24.97	ROBERT SELTZER	
ROBERT MAY	64	PAUL WIDMAN	24	JAMES WOOD	35	HOMER LANE	
JOHN BLECK	65	JEFF HOGG	32	THOMAS MAINS	26	DAN ROGACKI	
WOODY GAIR	67	BRENT RUNKLE	32	DREW AROMANDO	26	FRED SCHLICHER	
JACK SPRACKLIN	68	JAMES GRUBBS	43	CHRIS MCGIFFIN	32	NEM	7:52.24
COLONIALS 1776	7:28.17	NEM	8:16.05	VENICE MASTERS	8:28.16	BOB SELTZER	47
HENRY SHOSTCHUK	80	GEOFFREY LOCKE	30	DAN BORTON	30	HOMER LANE	48
DAVID GLADFELTER	61	JOHN NIXON	42	DAVE KASTIGAR	33	DANIEL ROGACKI	50
JACK WISEBURN	64	FRED DALBY	48	CHAPPIE DE HAVEN	29	FRED SCHLICHER	49
DONALD MACRAE	63	DAVID DORNAUS	23	BOB EBERWINE	37	USF MASTERS	8:40.34
		USF MASTERS	8:22.41	COLONIALS	8:33.74	DUKE DAHLIN	49
400 YD MEDLEY R	MEN 65+	STEVE SHAMES	19	JOHN LADKY	46	RICHARD ATONDO	48
		JAMES RUGIERO	25	L GOLUSINSKI	33	MARK BLOCK	46
ST PETE	5:03.76 96	MATT MCCORMICK	35	BRUCE HAYES	35	MARK SULLIVAN	45
PAUL HUTINGER		PAICHING WEI	27	S FITZGERALD	34	COLONIALS 1776	9:14.63
ROBERT MACDONALD		USF MASTERS	8:40.44			HENRY DETERING	52
MIKE TORSNEY		D FIORANELLI	21	800 YD FREE REL	MEN 35+	STEVEN EISNER	45
THOMAS SMITH		LIAM HENNESSY	34			JOHN HOWETT	52
SAN DIEGO SWIM	5:50.10	DAN RIORDAN	29	ILLINOIS	7:18.47 97	DANIEL RICHARDS	46
KEN KIMBALL	67	BRIAN DAVIS	22	ANDY SEIBT		USF MASTERS	9:38.51
DONALD BAKER	66	WILDCAT MASTERS	8:46.47	TED SOLTYS		GORDON CHIANG	45
DONALD HUBBARD	70	CHAD RIEGLE	23	TOM MCCABE		DONALD GOODKIN	51
WILLIAM PHILLIPS	70	ALEXANDER KACZUR	20	TOM REDIG		JOHN LADD	52
SPM	5:51.44	KEITH RAKER	28	USF MASTERS	7:35.96	ELMER TOSTA	49
THOMAS SMITH	70	ROSS DICKMAN	30	CHRIS WATERS	35	WIS MASTERS	9:54.73
MIKE TORSNEY	67	COLONIALS	9:41.01	RICHARD GARRETT	44	KENNETH WEHR	46
CHARLES KOHNKEN	66	R STOFFERSON	36	DEAN PANZICA	35	DICK PITMAN	53
HAROLD FERRIS	67	C HAREN	35	TIM HARVEY	43	STEPHEN JUSTINGER	45
COLONIALS 1776	6:13.16	LUKE KAY	29	WALNUT CREEK	7:50.42	JOHN MANIACI	46
THOMAS FLYNN	69	CRAIG BADINGER	24	CARY KENT	46	OJAI-SANTA BARB	10:13.44
JOHN EMANUEL	73					RICK GOEDEN	51

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

ROBERT SMITH	55	WILLIAM MOLLOY	SLUG	1:31.80	SPM	1:38.21
FRED DRENNAN	50	FRANK TILLOTSON	FRANK E WATTLES	27	BOB BURESH	39
LARRY RAFFAELLI	55	KERMIT HOTVEDT	MARC V RINZLER	27	JUDY B TIBMA	41
GCMT	10:17.32	FRED WALBOLT	D GRANER-GALLAS	34	WILLIAM L SPECHT	40
TOM HERR	51	COAST MASTERS	HEIDI E HANNENIAN	27	CATHY SHONKWILER	38
DOUG VOELZ	53	WOODROW BOWERSOCK	GRIN	1:33.82	NEM	1:38.64
LARRY RINGER	49	BOB CHRISTIANS	COLL HADDON	32	EDMUND J GENDREAU	35
ROBERT O'KEEFE	53	BOB MERRICK	LYNNE BIR	26	PETER WORLAND	40
NEM	10:36.26	LOUIS GIBERSON	T CHILDRESS-BROWN	34	BARB B HANDLER	40
JAMES DORSEY	53		ADAM M FERRO	25	JENNIFER LUKER	41
ALBERT VALLIERE	51	MIXED RELAYS	IM	1:34.82	IM	1:38.72
MARK FORMICA	50		JENNIFER L RIDGE	29	PATTY A REDIG	38
FRANK MCQUIGGAN	49		BECKY E HELLER	34	DIANNE M MAGIERA	39
WILDCAT MASTERS	11:15.28	200 YD FREE REL MIXED 19+	BOB YOUNG	33	DAVE GIBSON	37
ROBERT QUINN	47		SCOTT A CARL	26	TED J SOLTYS	37
ALLEN MARCUM	47	LONG BEACH	SPM	1:34.83	SLAM	1:39.14
BOB WALKER	50	1:31.16 93	ANDREW W EATON	25	PAUL H MORRIS	35
BOB COOPER	51	BERT BERGEN	DANICE K EATON	26	LORI A PAYNE	38
		MATTHEW MITCHELL	ANDREA D NAUTA	38	LAURA L KESSLER	37
		SHERRY GAERTNER	C MICHAEL HALFAST	32	S CASEY SMITH	40
800 YD FREE REL MEN 55+		PEGGY GROSS	TOC	1:35.71	WCM	1:39.17
		GARDEN STATE MA	JAMIE T PATRICK	27	PENNY LEACH	35
GRIN	9:12.24 95	LEE NESSEL	MIKE KECK	38	KATHY D WOEHRL	35
DAVID COSTILL		M WUNDERLICH	JOAN A SCHRIGER	33	DAVID S COOL	37
MEL GOLDSTEIN		DREW AROMANDO	SHARON K PATRICK	26	JOHN W BAKER	35
FRAN MCAREE		WALTER BELL	UT	1:36.14	MICH	1:39.99
JERRY MYERS		IM	JOE A HUGHES	26	MARILYN E EARLY	40
USF MASTERS	9:33.40	KERSTEN ANNEGERS	ROBYNN MASTERS	39	ALGERNON KEITH	37
DANIEL OSBORNE	64	J GEMEINHARDT	KIMBERLY SMITH	33	ROBERT L FORT	40
ROBERT FEWSTER	59	DICK CLARKE	ERIK CRANKSHAW	25	NANCY J SERVO	37
JOE ILLICK	63	GREG GOOCH	OJAI-SANTA BARB	1:36.42		
C SAUNDERS	59	ARIZ	BILL KUHN	32	200 YD FREE REL MIXED 45+	
NEM	9:39.43	SCOTT D SHAKE	WENKE HANSEN	28	NEW ENGLAND	1:38.32 98
BOB BOURASSA	56	GAIL STARING	JANE CAIRNS	27	LAWRENCE SHULMAN	
MATT CHROSTOWSKI	56	CARLA A ELDRIDGE	BRIAN ALDERMAN	29	JOEL FELDMEN	
RICK BUSHNELL	57	GREGORY DOZER	GARDEN STATE MA	1:36.48	DAN ROGACKI	
THOMAS MANFREDI	55	IM	LORNA CIALDELLA	33	JACKI HIRSTY	
SAN DIEGO SWIM	10:32.30	DOREEN M LEMKE	BRIDGET COLL	28	NEM	1:38.32
MIKE FRESHLEY	57	JENNIFER L JACOBS	ED TSUZUKI	39	LARRY SHULMAN	48
BILL EARLEY	61	FRED L SCHUSTER	GERALD OMARA	28	JOEL FELDMAN	46
JOHN GOODE	64	KARL A STEINKE	VMST	1:36.51	DANIEL ROGACKI	50
RICK EVANS	56	GCMT	JOHN B TUDOR	40	JACKI HIRSTY	45
COLONIALS 1776	11:04.55	JEFF RIEGLER	MEREDITH POPE	28	IM	1:41.13
DAVID HARRISON	60	TIFFANY A MEYER	JAMES D WOLFLE	29	C STONESIFER	45
EDWARD MORGAN	58	CAREN L MACLEAN	ALICE W PHILLIPS	32	CYNTHIA JONES	48
THOMAS FLYNN	69	JARED WALKENHORST	ANCM	1:36.88	PHIL DODSON	45
JACK KIRLIN	59	MICH	PENNY S BATES	36	JOHN FITZGERALD	49
800 YD FREE REL MEN 65+		PHIL MC CLURG	KATHRYN KIRMAYER	34	GRIN	1:43.46
		JILL MURANY	JEFFREY H RODDIN	29	TOM PERRIN	47
ILLINOIS	10:06.41 98	MICHAEL GREEN	DALE MC ELHATTA	36	JOEL M STAGER	45
JOHN MASTERS		MVM	200 YD FREE REL MIXED 35+		SALLY HASBROOK	49
STEVE MULLINS		ALAN B LIU	COLONIALS 1776	1:33.86 97	SHARON WISE	51
FRED LEHMAN		DEBORAH TOPP	STU MARVIN		MICH	1:46.85
WAYNE LEENGRAN		JULIA C DAVIS	KATHY REMILLARD		EVELYN LYNCH	45
ILLINOIS MASTER	10:06.41	KIRK E KOZLOWSKI	JANE ZIEGLER		SHERRY L PUTHOFF	50
JOHN MASTERS	67	MICH	CHARLES NORELLI		CHUCK A OLSON	48
STEVE MULLINS	65	JESSICA SANTO	RMM	1:34.86	LEONARD BROCKHAHN	47
FRED LEHMAN	67	T SOSNOWSKI	JAMES E LILLEY	38	RMM	1:47.31
WAYNE LEENGRAN	66	ERIKA MC KEE	KATHY L GARNIER	37	WILLIAM ABBOTT	51
SAN DIEGO SWIM	11:15.71	CHRIS ZOLTAK	JUDY A NELSON	37	CAROLYN M ROCHE	47
DONALD HUBBARD	70	GRIN	RICHARD W HESS	43	CHERYL A BRUNGER	47
DONALD BAKER	66	ADAM DAWKINS	COLONIALS 1776	1:36.19	RICHARD ABRAHAMS	53
KEN KIMBALL	67	DEBI STOUT	JOE BLACK	39	DCM	1:47.34
WILLIAM PHILLIPS	70	NICOLE TATE	JANE ZIEGLER	44	LARRY R SLOAN	50
WIS MASTERS	12:04.99	KEVIN S SHERMAN	VIBEKE SWANSON	36	ANN B LITTLE	50
W MORGAN BYERS	70	NCMS	CHARLES NORELLI	42	DENISE KIRWAN	46
ROBERT KUENY	67	JOHN DENISON	VMST	1:37.08	WILLIAM A HERZER	51
HARLAN DRAKE	69	JEFF MURRAY	LOUIS S TUDOR	42	MARYLAND	1:48.88
TOM MICHELSON	66	HEATHER M HAGEMAN	BETH O BAKER	37	CHRIS OSTROM	52
USF MASTERS	15:55.13	GEORGIA GRAY	PATTY M POWIS	37	MARTI BETZ	48
FRED ROGERS	75	200 YD FREE REL MIXED 25+	DAVID B MALSBURY	36	SUSAN MARINZEL	45
KURT HENSCH	68		ARIZ	1:37.94	PETE BORCHARDT	52
VICTOR DEKALB	72	S. CAL AQUATIC	JOHN T PIECUCH	42	GOST	1:50.29
RICHARD SCHOMBURG	71	1:29.40 90	KAREN ANDREWS	35	BARBARA L UIBLE	46
800 YD FREE REL MEN 75+		CHUCK PONTHER	JONELLE G SCHMIDT	47	DARLENE ANDERSON	49
		DIANE GRANER	PETER D NUNAN	40	TERRY A SUTTON	45
ST. PETE	13:46.24 90	KRISTINE BUSH			RANDY SIMONS	49
		PETER MCCLAFFERTY				

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

NIAG	1:51.44	PETEY SMITH	73		
MELISSA MALDOVAN	45	BILLIE BURRILL	77	GOLD COAST	1:41.15 95
RICARDO MARABE	46	WIN B WILSON	71	LORRAINE PERKINS	
DENISE M EVERITT	45	MARYLAND	2:25.98	JOHN HEATH	
DANIEL WINTER	46	KEN POLLOCK	65	SCOTT WALKER	
VMST	1:51.71	BILL RODGERS	65	HEATHER HAGEMAN	
TERRY M GAULT	47	LESLEY FRANCIS	66	SLUG	1:42.81
GEORGE B BROWN	50	FRANCES HAYWOOD	66	D GRANER-GALLAS	34
NANCY R MILLER	48	SPM	2:34.50	STEVEN C BERGEN	23
ROBERT V RIORDAN	51	KAY SCHIMPF	80	FRANK E WATTLES	27
		CHARLES KOHNKEN	66	LAURA J HAJOST	30
200 YD FREE REL MIXED 55+		FLORENCE CARR	72	GARDEN STATE MA	1:48.56
		THOMAS SMITH	70	KEN FITCH	32
SAN DIEGO	1:54.32 96	IM	2:35.70	M WUNDERLICH	24
BILL EARLEY		CLARA E SOTAK	73	WALTER BELL	22
BETSY JORDAN		HANNELORE SNYDER	67	LEE NESSEL	22
JEANNE LITTLE		FRED O LEHMAN	67	LIBERTYVILLE MA	1:48.66
MIKE FRESHLEY		WAYNE LEENGRAN	67	JESSICA ELSNER	26
GRIN	2:01.19	SPCO	2:36.87	PETRA KUEHNIS	24
JERRY R MYERS	60	BUNNY CEDERLUND	76	PAUL DAWSON	28
ALAN SOMERS	56	RICHARD ROBECKI	68	JEFF ZEMATIS	22
MARGIE HEINEMAN	60	ANGIE SINACORE	67	ARIZ	1:48.85
SUSAN MEYERS	56	PHIL LINDSLEY	65	KAREN ANDREWS	35
NCMS	2:02.14	GARDEN STATE MA	2:36.97	GREGORY DOZER	40
JOHN MURPHY	73	DORIS STEADMAN	73	JOHN T PIECUCH	42
SALLY NEWELL	60	JULIA DOLCE	88	CARLA A ELDRIDGE	24
BARBARA R SEATON	60	PAUL KIELL	67	ARIZ	1:49.58
ROLFFS PINKERTON	59	AARON KURTZMAN	68	SCOTT D SHAKE	40
VMST	2:03.99	OJAI-SANTA BARB	2:37.06	PAULA J POLLARD	34
ROSALYN SCHANZER	55	WOODY GAIR	67	DIANNE L WYGAL	32
JOHN R MCGILL	62	JACK SPRACKLIN	68	STEPHEN S SO	23
JACK SCHILTZ	55	MALCHIA OLSHAN	67	GRIN	1:49.61
JOHNNIE DETRICK	62	DARLENE RAND	69	STEVE HARTSOCK	24
SAN DIEGO SWIM	2:05.20	SAN DIEGO SWIM	2:37.12	ANDREA PARENTEAU	23
BILL EARLEY	61	DIANA SILVA	75	DEBI STOUT	24
BETSY JORDAN	61	EDGAR LASSINS	78	STEVE DEMPSEY	33
JEANNE LITTLE	61	ANN DALLAM	67	VMST	1:49.69
MIKE FRESHLEY	57	KEN KIMBALL	67	MOLLY DEAN	32
ARIZ	2:07.69	MARYLAND	2:37.75	COREY J RIORDAN	20
RONALD L JOHNSON	66	A EREMCHUK	72	JAMES D WOLFLE	29
GORDON H GILLIN	67	SARAH ALLNUTT	74	ALICE W PHILLIPS	32
SALLY A BOLAR	58	C WILLIAMS	73	USF MASTERS	1:50.15
CAROL P TAYLOR	68	JAMES GRONSETH	71	MONIQUE PETRON	28
MARYLAND	2:07.85	NIAG	2:48.15	MORISA LEMORANDE	21
CARL CHRRISTENSEN	60	JOHN CRANCH	75	SHAWN JONES	31
JOAN LIBBY	56	NANCY SCHOEPPERLE	73	CHRIS MAYFIELD	28
NANCY BROWN	62	BETTY C DUNN	73	RMM	1:50.53
TED MURRAY	57	JAMES T PITTS	67	WENDY S RICE	35
SPM	2:07.99			AARON MC CORMICK	23
THOMAS E SMITH	70	200 YD FREE REL MIXED 75+		CHERYL LONGFELLOW	28
FLORENCE E CARR	72	SAN MATEO	2:38.61 95	PAUL MC CORMICK	51
JAYNE M LAMBKE	58	AUDREY ETIENNE		MICH	1:50.70
HAROLD FERRIS	67	ZADA TAFT		JULIE MOODY	29
IM	2:11.46	RAY TAFT		ROBERT ANDERSON	29
NANCY MURPHY	55	ED MORAN		JESSICA SANTO	24
DIANNE SHERWOOD	57	COAST MASTERS A	2:45.60	ANDREW BERGER	33
DICK SPURGIN	67	LOUIS GIBERSON	77	200 YD MEDLEY R MIXED 25+	
DIETER H KULICKE	57	MAUREEN KORNFELD	76	LONE STAR	1:39.01 91
GOLD COAST	2:12.34	MAXINE MERLINO	85	MOOK RHODENBAUGH	
RAY WELSH	58	BOB MERRICK	77	GREG RHODENBAUGH	
JUNE KRAUSER	71	IM	3:14.74	VAL KERR-HAUGE	
ANNE MCGUIRE	63	RITA COSTELLO	75	AMY PLESS	
WILLIAM DOLAN	69	PAUL MENZIES	82	SPM	1:42.69
MICH	2:13.06	DAVE MALBROUGH	85	TANYA N LANE	26
ALBERT A MORLEY	60	LOUISE DONOVAN	80	DANICE K EATON	26
JOYCE KOWALSKI	56	COAST MASTERS B	3:22.78	STUART A BARTON	30
BEVERLY J MYERS	62	BOB CHRISTIANS	82	ANDREW W EATON	25
PAUL A CHAFFEE	55	MADELEINE MILLER	87	SLUG	1:42.76
200 YD FREE REL MIXED 65+		LOUISE JOBSON	79	DEREK P ROBINSON	28
		WOODROW BOWERSOCK	84	MARY A BERGEN	27
GOLD COAST	2:02.20 95	MICH	3:37.80	MARC V RINZLER	27
WILLIAM DOLAN		MARTHA V FORSTER	81	HEIDI E HANNENIAN	27
CYNTHIA BRUCE		EDITH S GLUSAC	79	GRIN	1:45.73
MARGARET TIMMINS		DONALD G MAY	77	COLL HADDON	32
DONALD SONIA		ELMER FROST	75	DEWEY WYATT	34
NEM	2:20.86	200 YD MEDLEY R MIXED 19+		ANDREA M COOK	25
TED HAARTZ	70			T CHILDRESS-BROWN	34
				OJAI-SANTA BARB	1:45.75
				JANE CAIRNS	27
				WENKE HANSEN	28
				BRIAN ALDERMAN	29
				BILL KUHN	32
				IM	1:45.81
				GREG GOOCH	26
				DAVID J BROWN	31
				JENNIFER L RIDGE	29
				BECKY E HELLER	34
				STANFORD	1:45.88
				CARR PHILLIPS	32
				SPENCER ELDRED	41
				MARTIE MCKINNEY	33
				AIMEE LEHR	30
				IM	1:45.90
				DICK CLARKE	29
				KERSTEN ANNEGERS	29
				FRED L SCHUSTER	34
				STEPHANIE MULLINS	32
				TOC	1:45.91
				MIKE KECK	38
				JAMIE T PATRICK	27
				JOAN A SCHRIGER	33
				SHARON K PATRICK	26
				WCM	1:46.27
				KATHLEEN HARTNETT	26
				LEIF LUNSFORD	28
				STEPHEN A STAHL	33
				MICHELLE GHIGGERI	29
				GRIN	1:46.74
				LYNNE BIR	26
				KATHERINE PINGER	25
				JASON TIMMONS	31
				ADAM M FERRO	25
				200 YD MEDLEY R MIXED 35+	
				S. CAL AQUATIC	1:44.23 92
				CLAY EVANS	
				KAREN MELICK	
				JIM BELARDI	
				BONNIE ADAIR	
				SPM	1:46.82
				BOB BURESH	39
				MAUD E ORLANDO	35
				WILLIAM L SPECHT	40
				CATHY SHONKWILER	38
				RMM	1:48.08
				JAMES E LILLEY	38
				HOLDEN J BANK	38
				JUDY A NELSON	37
				KATHY L GARNIER	37
				VMST	1:49.11
				DAVID B MALSBURY	36
				PATTY M POWIS	37
				BETH O BAKER	37
				LOUIS S TUDOR	42
				WCM	1:49.69
				PENNY LEACH	35
				STEVEN E HAUFLER	45
				CHARLENE O'BRIEN	41
				GREG A REMMERT	35
				IM	1:49.83
				DAVE GIBSON	37
				JOSEPH S MAGIERA	41
				ANDREA J BLOCK	36
				DIANNE M MAGIERA	39
				TOC	1:50.57
				CORINNA D SEIBT	37
				DAVID LUNDBERG	37
				STUART E CORLISS	42
				DANIELL OGIER	45
				COLONIALS 1776	1:51.40
				VIBEKE SWANSON	36
				MARY CARR	35
				TOM MEADE	40

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

CHARLES NORELLI	42	LEE BETTIS		STEPHEN MULLINS	65	HELEN SALCEDO	22
MICH	1:51.56	JOANN LEILICH		HANNELORE SNYDER	67	ERNEST ODINEL	22
MARILYN E EARLY	40	BILL NEWMAN		JOHN R MASTERS	67	SANTA CLARA	3:46.29
ALGERNON J KEITH	37	JAYNE BRUNER		CLARA E SOTAK	73	LAUREL HILL	29
ROBERT L FORT	40	SDSM	2:09.71	WALNUT CREEK	2:53.82	LARRY TAGGASELL	45
NANCY J SERVO	37	BETSY JORDAN	61	ELFRIEDE ROGERS	70	JENNA CLARKE	23
SLAM	1:51.57	MIKE FRESHLEY	57	FRANK NIEMAN	65	NATE KINNEY	28
PETER W BAKKER	39	LYNNE LUND	57	ANN HIRSCH	67	SANTA CRUZ	3:47.24
LAURA L KESSLER	37	BILL EARLEY	61	FRED TRASK	70	JOHN PARKER	35
SCOTT HALLIBURTON	35	VMST	2:18.02	WIS MASTERS	2:59.54	MAUREEN CHAMBERS	32
LORI A PAYNE	38	JOHN R MCGILL	62	BETTY LORENZI	70	SARAH KERLIN	23
NEM	1:52.09	JOHNNIE DETRICK	62	FRANK FELD	70	BRANDON CARTER	27
DAVID A COTE	38	JACK SCHILTZ	55	JOHN BAUMAN	67	MENLO PARK	3:49.73
EDMUND J GENDREAU	35	ROSALYN SCHANZER	55	S HASSELBACHER	71	JANE BURKS	40
JENNIFER LUKER	41	ARIZ	2:20.61	OJAI-SANTA BARB	3:03.38	BRIAN KOHLMEIER	28
CONNIE HALLETT	39	RONALD L JOHNSON	66	RUTH FARNHAM	68	ANNA MALSCH	24
200 YD MEDLEY R MIXED	45+	CAROL P TAYLOR	68	MALCHIA OLSHAN	67	DAVE KANE	27
LOS ALTOS	1:52.68 94	SALLY A BOLAR	58	FRANK PIEMME	73	STANFORD	3:49.78
DICK THOMAS		GORDON H GILLIN	67	JURGEN SCHMIDT	75	SCOTT HENDERSON	26
SUSAN ROY		GOLD COAST	2:21.79	MARYLAND	3:05.87	RANDY COX	35
CAROLYN BOAK		DAVID MCINTYRE	60	SARAH ALLNUTT	74	EILEEN WALL	40
DAVID GRAY		CAV CAVANAUGH	62	A EREMCHUK	72	JANE KELSEY	22
IM	1:53.12	ANNE MCGUIRE	63	JOHN COLLINGS	70	USF MASTERS	3:50.03
JOHN FITZGERALD	49	JUNE KRAUSER	71	BETSY ROGAN	65	CHRIS MAYFIELD	28
CLAY A KOLAR	49	SPM	2:22.76	SPM	3:06.10	NANCY MCILVAINE	30
C STONESIFER	45	JOHN RISHER	62	THOMAS SMITH	70	CHRISTIAN BUNDY	23
CYNTHIA JONES	48	ELAINE BROMWICH	55	RICHARD L AVERY	75	JULIA VINALL	29
NEM	1:56.01	PETER ARNOLD	59	FLORENCE CARR	72	USF MASTERS	3:50.31
JOEL T FELDMAN	46	JAYNE LAMBKE	58	KAY SCHIMPF	80	ANDREW GELLER	29
ROBERT SELTZER	47	RINCONADA	2:23.42	NIAG	3:08.00	KATHY SOLOMON	30
FRED J SCHLICHER	49	ANN KAY	64	JOHN CRANCH	75	CHRIS HARRIS	24
CONSTANCE SASSER	51	ALDO DA ROSA	80	JAMES T PITTS	67	AMBER EANDI	19
SNM	1:56.80	JIM SHAW	56	BETTY C DUNN	73	WHITE PLAINS MA	3:50.70
FRANS D NELSON	55	BOBBIE CALLISON	65	NANCY SCHOEPPERLE	73	CHRISTINA WONG	23
DON MC KENZIE	50	NCMS	2:23.67	200 YD MEDLEY R MIXED	75+	GENEVE HENDRICKS	29
SUSAN A TYLER	49	JOHN MURPHY	73	DC MASTERS	3:11.96 92	DANIEL LEVY	32
CELESTE MILLER	48	SALLY NEWELL	60	ANNE WALKER		MICHAEL RUGGERIO	29
GRIN	1:56.87	JOHN D KORTHEUER	67	KELLEY LEMMON		WALNUT CREEK	3:50.93
BOB THOMAS	45	BARBARA R SEATON	60	NANCY CLARK		BRANDON PETRI	24
SALLY HASBROOK	49	WALNUT CREEK	2:24.86	BERT KASSELL		SARAH HENN	24
TOM PERRIN	47	DON BROWN	64	SAN MATEO MARL	2:58.75NW	DAVE STODDARD	27
SHARON WISE	51	JACK LANCE	55	HILDA BUEL	83	PENNY LEACH	35
MICH	1:59.24	MIDGE KRAETZER	59	AUDREY ETIENNE	81	400 YD FREE REL MIXED	25+
EVELYN LYNCH	45	DONNA MONROE	64	RAY TAFT	78	U OF SAN FRAN	3:27.39 92
STEVE HANSEN	46	GRIN	2:25.14	JOE KAUFMAN	93	DAN KNIGHT	
SHERRY L PUTHOFF	50	JOE STRAATMAN	62	MAXINE MERLINO	85	KELLY ASPLUND	
CHUCK A OLSON	48	MARGIE HEINEMAN	60	MAURINE KORNFELD	76	MICHELLE YOUNG	
MARYLAND	1:59.36	SUSAN MEYERS	56	BOB CHRISTIANS	82	MATT JONES	
MARTI BETZ	48	JERRY R MYERS	60	LOUIS GIBERSON	77	STANFORD	3:29.42
CHRIS OSTROM	52	MARYLAND	2:25.37	BOB HALL	76	STEVE JOHNSON	27
JACK ILIFF	53	NANCY BROWN	62	JAE HOWELL	78	CARR PHILLIPS	32
SUSAN MARINZEL	45	ALEXANDER PETRLIK	56	BILL JOHNSON	79	AIMEE LEHR	30
DCM	2:00.75	CARL CHRISTENSEN	60	MARY JANE REEVES	80	MARTIE MCKINNEY	33
DENISE KIRWAN	46	JOAN LIBBY	56	MICH	4:37.53	USF MASTERS	3:30.14
JOANN LEILICH	59	200 YD MEDLEY R MIXED	65+	DONALD G MAY	77	DANIEL VEATCH	33
LARRY R SLOAN	50	GOLD COAST	2:22.24 95	ELMER FROST	75	PAMELA FRANKLIN	29
PAUL GRUENEBERGER	51	CYNTHIA BRUCE		EDITH S GLUSAC	79	MATTHEW CERIZO	29
ARIZ	2:02.42	JUNE KRAUSER		MARTHA V FORSTER	81	BECKY FENSON	30
JONELLE G SCHMIDT	47	WILLIAM DOLAN	2:32.40	400 YD FREE REL MIXED	19+	OJAI-SANTA BARB	3:32.56
RALPH S BOVARD	45	OH	2:32.40	U OF SAN FRAN	3:25.18 92	SCOTT REED	27
JACK SALVATORE	47	PETER VAN DIJK	69	GREG MACKEM		JANE CAIRNS	27
JUDY L GILLIES	50	LILLY G KRON	66	JENNIFER SADLER		WENKE HANSEN	28
RMM	2:02.61	BETTY J RUSS	71	BRENDA WICKLUND		BRIAN ALDERMAN	29
YVONNE L WRIGHT	45	JOHN DAILY	70	GARY YANG		WALNUT CREEK	3:37.74
WILLIAM ABBOTT	51	NEM	2:36.49	USF MASTERS	3:41.20	STEVE STAHL	33
RICHARD ABRAHAMS	53	PETEY SMITH	73	SCOTT ROBINSON	33	GREG REMMERT	35
CAROLYN M ROCHE	47	TED HAARTZ	70	ELLEN SCHADE	28	MICHELLE GHIGGERI	27
GOLD COAST	2:03.32	WIN B WILSON	71	MONIQUE PETROV	28	WENDY INGRAHAM	34
JOHN SPIRE	46	BARBARA BOLEY	73	ROMAN KOTLYAR	21	GREATER OHIO SW	3:39.65
B EDELMAIER	51	MARYLAND	2:46.49	JOHN CAVE	24	MELISSA J SCHRAMM	26
PETER GALVICH	47	KEN POLLOCK	65	WENDY MARTIN	22	KEVIN A TUNSTALL	32
CAROL REICHERT	46	BILL RODGERS	65	200 YD MEDLEY R MIXED	55+	JULIA M APPEGATE	27
200 YD MEDLEY R MIXED	55+	JILL COLEMAN	67	D.C. MASTERS	2:06.60 95	TODD J RADEL	25
D.C. MASTERS	2:06.60 95	FRANCES HAYWOOD	66	IM	2:47.15	EMPIRE MASTERS	3:40.20
						CHERYL BARANY	33
						ROBERT GOLDBLOOM	38

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

LACEY STRICKLAND 27	JESSICA JACOBI 40	WIS MASTERS 5:30.89	AMITY HALL
MICHAEL RITTER 34	ANN CLAMON 40	GARY BEZELLA 60	STEVEN SAKADALES
USF MASTERS 3:41.18		JUDY DAVIS 62	WHITE PLAINS MA 4:16.26
SHAWN JONES 31	400 YD FREE REL MIXED 45+	INGRID STINE 59	JEAN KELLACHAN 26
STACEY WEINTHALER 29		TIM TROWBRIDGE 58	CHRISTINA WONG 23
C FLORKOWSKI 30	LOS ALTOS 3:57.80 93	MARYLAND 5:35.40	MICHAEL RUGGERIO 29
STEVEN SAKADALES 25	ED CAZALET	JOAN LIBBY 56	ALAN ROMANER 35
USF MASTERS 3:41.35	CAROLYN BOAK	ARTHUR LIBBY 59	WEST HOLLYWOOD 4:20.66
GLEN MEGGS 30	DAVE GRAY	FRANCES WESTON 57	ANDREA J DEVUONO 35
CORY MACKIE 34	KRISTI KING	KEN POLLOCK 65	MAURO BORDOVSKY 40
JOHN MONNICH 30	WALNUT CREEK 4:11.93	COLONIALS 1776 5:49.18	CHRISTOPHE PALMER 24
LORI DELUCA 26	STEVE HAUFLE 45	ELIZABETH KRUPKA 60	ALEXIA A NALEWAIK 29
WEST HOLLYWOOD 3:43.88	KEN BURR 53	JANET MOELLER 63	NEM 4:21.72
JAMES M RHYNE 32	R BRITTINGHAM 46	EDWARD MORGAN 58	KATE BUTLER 23
DONALD SKEOCH 34	STEPHANIE SCOTT 51	JACK KIRLIN 59	STEPHEN JOE 22
AMY L DANTZLER 33	SAN DIEGO SWIM 4:19.06	USF MASTERS 5:52.20	JEFF BUSHNELL 24
ELIZABET HALOUZKA 33	BARBARA DUNBAR 49	CARLA SAUNDERS 58	SARA BERRY 24
WALNUT CREEK 3:44.52	DWAIN SWANSON 47	JOE ILLICK 63	DC AQUATICS CLU 4:29.95
KATHLEEN HARTNETT 26	JERRY O'MARA 51	ROBERT FEWSTER 59	DAVID R MCNEAR 29
BRETT MCDONNELL 32	GINI BAKER 47	ILA CHALE 60	SHEILA A WALSH 27
LISA WARD 32	MANATEES 4:20.81	COLONIALS 1776 6:00.45	TARA ROBERTSON 20
BRAD GOTHBORG 35	MAGGIE FILLMORE 47	DAVID GLADFELTER 61	RYAN J LEBRO 23
	RUTH SHAPS 50	DONALD MACRAE 63	DELAWARE SWIM 4:33.16
400 YD FREE REL MIXED 35+	TOM ALDERSON 46	MARY ANN MCCLAIN 56	VICKI ASHWORTH 23
	GRANT INMAN 46	BETTY LAMLIN 61	SCOTT WASSERMAN 28
TEXAS AQUATIC 3:30.17 95	USF MASTERS 4:37.63	400 YD FREE REL MIXED 65+	CHRIS COLBURN 26
S.NEILSON-BELL	SUSAN ALLEN 53		CARRIE LOEHR 23
DAVE HAGUE	BRAD PENCE 46	OJAI/S BARBARA 5:05.22 96	NEM 4:35.91
KARLENE WISE	SUNNY BLENDE 47	MALCHIA OLSHAM	SHEREEN BARRY 35
BRUCE GREENWOOD	DUKE DAMLIN 49	GAY COLLINGS	KENDRA GARROW 23
WALNUT CREEK 3:37.18	SAN MATEO MARL 4:39.17	FRANK PIEMME	EDMUND GENDREAU 35
LAURIE VIDAL 35	MATT OLIVER 47	JURGEN SCHMIDT	JOHN POWER 32
DAVE COOL 37	DALE FINCH 47	SAN DIEGO SWIM 5:32.34	MINNESOTA 4:37.44
MARGEE CURRAN 36	LYNN DEVICTORIA 56	DIANA SILVA 75	HEATHER NIEMI 21
JOHN BAKER 35	DON GALINE 52	ANN DALLAM 67	ERIN FRANK 22
COLONIALS 1776 3:40.31	TAMALPAIS 4:42.75	WILLIAM PHILLIPS 70	SCOTT LEINDECKER 27
VIBEKE SWANSON 36	RICK MEYERHOFF 50	DONALD BAKER 66	MICHAEL VENEZIANO 30
JANE ZIEGLER 44	DIANE GARCIA 46	WALNUT CREEK 5:40.30	GCMT 4:40.46
WARREN FISHER 41	GARY PARLAPIANO 51	ELFRIEDE ROGERS 70	ANDREA J NICKEY 24
JOE BLACK 39	MARTY BARRY 65	FRANK NIEMAN 65	STEVE M MEYER 31
WALNUT CREEK 3:44.51	GCMT 4:44.08	ANN HIRSCH 67	JOSHUA D GORDON 24
PAUL MCGHEE 35	DOUGLAS VOELZ 53	FRED TRASK 70	SUSAN M RITTER 41
PAULA ROEMER 36	ROBERT R O'KEEFE 53	COLONIALS 1776 6:11.76	GOST 4:54.21
KERRY O'BRIEN 41	CAROL ANN CARROLL 52	JOHN EMANUEL 73	ROBERT HEDEGORE 21
KATHY WOHRLE 35	CONNIE S CAHILL 49	BARBARA JOHNSON 65	BOB W ARNOLD 20
USF MASTERS 4:00.00	DC AQUATICS CLU 4:52.96	RUTH AARON 69	SUSAN M STROHL 24
CHRIS WATERS 35	RICHARD S GORE 51	NORMAN GARSOE 74	LORI M NOSKOWIAK 33
MARY SAAL 44	CONSTANCE MECK 47	SAN MATEO MARL 6:33.48	MARYLAND 5:01.72
ANNETTE CHINN 36	H SUZANNE BOLTON 51	AUDREY ETIENNE 81	RACHEL HERR 25
TIM HARVEY 43	DOUG WILSON 46	DON STUPFEL 70	ALLEN KENNEY 23
USF MASTERS 4:06.57	USF MASTERS 4:56.91	RAY TAFT 78	CAROL WESTCOTT 32
BRIAN SKUSE 41	GORDON CHIANG 45	GLORIA STUPFEL 71	PETER OROSZLAN 53
KIMBERLY KOVASHLA 39	MARTHA CAMPBELL 49	USF MASTERS 6:54.41	400 YD MEDLEY R MIXED 25+
EVAN MARKIEWICZ 41	RICHARD ATONDO 48	RICHARD SCHOMBURG 71	
MARLA MCGOVAN 43	JAN BREWER 48	MARY ALLEN 65	U SAN FRAN 3:48.74 97
EMPIRE MASTERS 4:12.65	USF MASTERS 5:02.59	MARGARET VOORHEES 69	JILL ROTHKOFF
C QUARITIOUS 43	BILL TULL 47	FRED ROGERS 75	SUSIE MORTENSON
EILEEN FAGAN 36	MARK BLOCK 45	USF MASTERS 8:41.78	MATT CERIZO
LAURIE COTTER 42	KATE EARLIX 46	ILSE BYRNES 71	MATT JONES
CHARLES RILEY 43	LAUREN CHAITKIN 53	ANNA-LISA RECCHIA 75	WEST HOLLYWOOD 3:43.88NV
RAMONA WATERFLI 4:14.41	400 YD FREE REL MIXED 55+	KURT HENSON 68	JAMES RHYNE 32
JOANN SAMUELS 42		VICTOR DEKALB 72	DONALD SKEOCH 34
KATHY BARCLIFT 48	SAN DIEGO 4:25.84 97	400 YD FREE REL MIXED 75+	AMY DANTZLER 33
GREGORY CRESWELL 37	MIKE FRESHLEY		E HALOUZKA 33
STEVE BROUSSE 36	BETSY JORDAN	WISCONSIN 6:37.85 96	EMPIRE MASTERS 4:00.98
STANFORD 4:15.88	BILL EARLEY	BETTY KENDALL	JANET HARRIS 32
BRIAN CROWLEY 40	JEANNE LITTLE	FRAN ZEUMER	BORIS TALAN 32
STEVE FUSILIER 38	WALNUT CREEK 5:06.30	HERBERT HOWE	AMITY HALL 26
JUDY HELLER 41	BOB MAYO 64	LYNN SURLES	STAN KRODER 33
DANIELLA BARNES 54	BOB KAHL 64	NO RELAYS	GARDEN STATE MA 4:01.19
MENLO PARK 4:18.38	MIDGE KRAETZER 59	400 YD MEDLEY R MIXED 19+	A LUALLEN-SCHOLZ 32
EDUARDO LLACH 39	JOAN ALEXANDER 66		BENN DOYLE 39
BRIAN SUBLETT 39	USF MASTERS 5:15.10	USF MASTERS 8:41.78	CHRIS MCGIFFIN 32
ELSPETH FARMER 40	TANAKO HAGIWARA 59	ILSE BYRNES 71	BRIDGET COLL 28
JUDY STRAUSS 43	CHRIS SAUNDERS 59	ANNA-LISA RECCHIA 75	SAN DIEGO SWIM 4:04.88
TAMALPAIS 4:22.97	CAROL REQUADT 60	KURT HENSON 68	ALAN VOISARD 37
JON STEINER 46	DANIEL OSBORNE 64	VICTOR DEKALB 72	DANA THOMASON 33
RICH BURNS 54		400 YD FREE REL MIXED 75+	

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

NANCY NORTH	29	LOS ALTOS	4:21.50	94	SAN MATEO	8:10.41	95	CHINO AQUATIC M	9:57.32	
DIANNE GLEASON	32	DICK THOMAS			JOE KAUFMAN			THOMAS ELDER	50	
OJAI-SANTA BARB	4:08.49	SUSAN ROY			HELEN ROUMASSET			MARY-CHRIS KAY	44	
JANE CAIRNS	27	CAROLYN BOAK			RAY TAFT			GARY CONGER	40	
ALAN SMALLWOOD	39	DAVID GRAY			AUDREY ETIENNE			SUSAN REESE	28	
KATRINA CARSON	25	OREG	4:35.81		NO RELAYS			WHITE PLAINS MA	10:04.82	
BILL KUHN	32	ROBERT SMITH	54		800 YD FREE REL MIXED 19+			GENEVE HENDRICKS	29	
UTAH	4:08.79	ALLEN STARK	49		DAVIS	7:48.42	92	NANCY SURDOVAL	44	
DENNIS TESCH	32	SUZANNE RAGUE	47		ANNA SCOTT			CHRIS GHARI	37	
LO KNAPP	43	JEANNE TEISHER	46		C. CHICHESTER			DONALD O KLUGE	41	
DOUG FADEL	28	DC AQUATICS CLU	4:48.98		ANDY MCPHERSON			LAKESIDE MASTER	10:25.92	
KIMBERLY SMITH	33	CAROL J GALBRAITH	47		DARREN DUTTO			MARY CURL	41	
LA JOLLA JCC	4:21.49	DALE I BARNHARD	50		LAKESIDE MASTER	8:17.99		PAM HAEBERLIN	34	
TRACY STAHL	37	DOUG WILSON	46		DALE MERCKER	31		JAMES GOODWIN	50	
NEILY MATHIAS	30	BRUCE J SCHOPP	47		JOSH HAMILTON	23		LARRY ISOM	57	
GUNNAR GRANDQUIST	32	GCMT	5:30.15		AMY POPE	37		800 YD FREE REL MIXED 35+		
HEATHER WOLFENDEN	28	DOUGLAS VOELZ	53		PAM MARTIN	40		COLONIALS 1776	7:52.32	97
MARYLAND	4:27.55	CAROL ANN CARROLL	52		NEM	8:31.87		ROBERT LONG		
JOANNA ZEIGER	27	CONNIE S CAHILL	49		TRAVIS KEANE	24		BRENDA BARTLETT		
KEITH BOETTIGER	27	THOMAS HERR	52		KARI ANDERSSON	26		VIBEKE SWANSON		
DAVE AMATO	33	MARYLAND	5:38.01		MATT CRAIG	27		STU MARVIN		
LEE DIPIETRO	39	KATHRYN GREGORY	52		JACKI HIRSTY	45		GARDEN STATE MA	9:41.77	
GARDEN STATE MA	4:27.86	MIKE SENA	51		COLONIALS	8:44.78		JOE HUTTO	46	
ANDREW MAGGION	41	SALLY ILIFF	52		JASON KLUGMAN	27		SUSAN KIRK	37	
DOUGIN WALKER	32	JACK ILIFF	53		MICHELE POLLIO	33		CATHY COPELAND	39	
RANDI ANDERSON	36	SAN DIEGO SWIM	5:44.74		SIMONE MUSCO	26		DAVID SICONOLFI	46	
REBECCA KALIBAT	34	DWAIN SWANSON	47		SHEILA CONWAY	24		COLONIALS	10:03.30	
COLONIALS 1776	4:28.41	THOMAS ROGERS	53		CRESCENT HILL M	10:21.35		ROGER SHOCKEY	39	
ALYSON CHICK	35	DIANE HIRAKAWA	49		JOHN GRAHAM	52		GEORGE HORAN	43	
LOUISE BUCKLEY	31	GINI BAKER	47		CARRIE KLINGENFUS	26		MERRILL HILF	37	
CHRIS LEWIS	30	MOB	6:00.38		JULIE HOWARD	23		JOAN BUEHLER	36	
SIMONE MUSCO	26	JUDY WAGNER	52		JAMES HUGUENARD	44		COLONIALS 1776	10:18.15	
400 YD MEDLEY R MIXED 35+		SUSIE REIERSON	46		800 YD FREE REL MIXED 25+			SINCLAIR BROWN	44	
COLONIALS 1776	4:00.75	97	HENRY MECREDDY	51	WALNUT CREEK	7:41.32	91	PARICIA TIMMINS	44	
VIBEKE SWANSON		THOMAS LALK	56		JOHN BOEGMAN			STEVEN EISNER	45	
ROBERT LONG		400 YD MEDLEY R MIXED 55+			CATHY COOLEY			DES NUNAN	43	
STU MARVIN		SAN DIEGO	5:00.20	97	SARA SHAND			GOST	10:22.44	
BRENDA BARTLETT		BETSY JORDAN			GREG REMMERT			ANN H GUINS	44	
COLONIALS 1776	4:26.68	MIKE FRESHLEY			GARDEN STATE MA	7:55.68		MARCIA A HAVER	42	
WARREN FISHER	41	G.WORTHINGTON			RICHARD TOOTHILL	28		DALE THOMPSON	47	
VIBEKE SWANSON	36	DEBORAH PECKHAM			BRIDGET COLL	28		JEFF P DROPSEY	39	
MARY CARR	35	COLONIALS 1776	6:18.67		LORNA CIALDELLA	33		LAKESIDE MASTER	11:08.28	
RICH SASSAMAN	41	JANET MOELLER	63		SCOTT YEOMANS	33		MICHAEL ROBERTS	37	
GARDEN STATE MA	4:31.26	JACK KIRLIN	59		GARDEN STATE MA	8:31.74		CHARLES MIESNER	42	
JULIE STEWART	36	MARY ANN MCCLAIN	56		DOUGIN WALKER	32		LISA STEARNS	40	
RICHARD CALLAGHAN	35	DAVID HARRISON	60		PATRICIA ANDERSON	46		MARISA FORD	37	
ROB COPELAND	41	MARYLAND	6:43.35		REBECCA KALIBAT	34		800 YD FREE REL MIXED 45+		
SUSAN KIRK	37	JOHN COLLINGS	70		ANDREW MAGGION	41		SAN DIEGO	9:01.15	95
UTAH	4:38.91	CAROLOU HURLBERT	58		MARYLAND	9:29.01		BARBARA DUNBAR		
CATHY PHILPOT	40	JILL COLEMAN	67		ED PERL	32		BETSY JORDAN		
PRISCILL KAWAKAMI	47	BILL RODGERS	65		TED RUDIE	31		RONALD MARCIKIC		
KYLE TREADWAY	37	COLONIALS 1776	6:57.23		JEANNE SAMUELS	28		CHARLES PATRICK		
NORMAN DAY	43	BETTY LAMLIN	61		MARYANN STOTT	25		MARYLAND	9:38.13	
SAN DIEGO SWIM	4:39.21	ELIZABETH KRUPKA	60		SOU EAST METRO	9:42.91		JACK ILIFF	53	
MARILYN FINK	43	HARRY HEMMERLE	59		PAUL GIONFRIDDO	42		CHRIS OSTROM	52	
MARY ELLEN ANDERS	37	JACK WISEBURN	64		KARLA KLOCOW	30		SALLY ILIFF	52	
MARK WUSSLER	42	400 YD MEDLEY R MIXED 65+			JILL WHITNEY	41		SUSAN MARINZEL	45	
MICHAEL THOMPCKINS	43	COLONIALS 1776	5:50.65	93	LEE PAWLENTY	45		SAN DIEGO SWIM	10:12.77	
WEST HOLLYWOOD	4:57.98	JEANNE MERRMAN			NEM	9:46.20		BARBARA DUNBAR	49	
MARK W CHATFIELD	44	ROGER FRANKS			MOLLY MAGOON	39		DWAIN SWANSON	47	
JESSICA W SEATON	44	JOHN EMANUEL			ROB CARR	32		JERRY O'MARA	51	
ERROL GRAHAM	38	CAROLYN DERR			JESSICA BERGER	26		GINI BAKER	47	
MARY N CHURCH	46	WIS MASTERS	6:27.68		ROB BERRY	29		COLONIALS 1776	10:43.97	
WHITE PLAINS MA	5:26.95	BETTY LORENZI	70		WHITE PLAINS MA	9:54.18		CATHERINE FITCH	46	
NANCY SURDOVAL	44	JOHN BAUMAN	67		CAROLYN REUTER	25		BARBARA JOHNSON	65	
DONALD KLUGE	41	ROBERT KUENY	67		KARIN PAPES	33		DANIEL RICHARDS	46	
PETER DWYER	40	BETTY KENDALL	77		DANIEL LEVY	32		HENRY DETERING	52	
LINDA CARENA	48	SAN DIEGO SWIM	6:33.91		ANDREW SPANGLER	27		MOB	11:08.12	
GOST	5:35.21	DIANA SILVA	75		COLONIALS	9:56.19		BRIAN SLOVIN	50	
DALE THOMPSON	47	DONALD BAKER	66		JESSICA BROWN	32		SUSIE REIERSON	46	
ANN H GUINS	44	DONALD HUBBARD	70		C CUSACK	36		JUDY WAGNER	53	
JEFF P DROPSEY	39	ANN DALLAM	67		K HARRIS	31		THOMAS LALK	56	
MARCIA A HAVER	42	400 YD MEDLEY R MIXED 75+			DENNIS CLEGG	28		NEM	11:36.24	
400 YD MEDLEY R MIXED 45+								ALICE SEIDEL	56	

1997-1998 SHORT-COURSE YARDS - TOP-TEN RELAYS

BYRON SIEGAL	50
MARC SCHEELE	51
ANN FREDETTE	53
LAKESIDE MASTER	12:23.44
WOODY TURRENTINE	49
GLENN HUBBUCH	52
CAROL FERGUSON	66
JOYCE VOIT	63

800 YD FREE REL MIXED 55+

SAN DIEGO	9:57.76	97
MIKE FRESHLEY		
CAROL SING		
BILL EARLEY		
BETSY JORDAN		
COLONIALS 1776	11:44.43	
DAVID HARRISON	60	
JACK KIRLIN	59	
MARY ANN MCCLAIN	56	
JANET MOELLER	63	

800 YD FREE REL MIXED 65+

LOS ALTOS	11:24.83	93
JOHN PONICHIL		
DELLA SEHORN		
BERNA BENNETT		
JOHN RICHARDS		
SAN DIEGO SWIM	11:51.15	
DIANA SILVA	75	
ANN DALLAM	67	
KEN KIMBALL	67	
WILLIAM PHILLIPS	70	
WIS MASTERS	12:26.34	
BETTY LORENZI	70	
BETTY KENDALL	77	
W MORGAN BYERS	70	
ROBERT KUENY	67	
MARYLAND	13:48.12	
BILL RODGERS	65	
JILL COLEMAN	67	
JOHN COLLINGS	70	
FRANCES HAYWOOD	66	

800 YD FREE REL MIXED 75+

SAN MATEO	14:16.33	93
AUDREY ETIENNE		
HELEN ROUMASSET		
JOE KAUFMANN		
ED MORAN		

NO RELAYS

ERRATA FOR 1997 TOP-TEN SHORT-COURSE METERS

WOMEN 25-29

▪ 200 M. BREASTSTROKE	
2:44.56 LOUISE MARTIN	28
2:47.06 CAROLYN BENTLEY	28
2:48.80 COURTNEY THOMAS	25
2:53.13 SHIRLEY KIM	25
2:56.70 TOMO KAWASAKI	26
2:59.39 JODIE ZIEBELL	25
3:00.88 GENEVE HENDRICKS	29
3:06.64 RACHEL BERKOWITZ	26
3:06.88 MARY STARR	27
3:07.46 VIRGINIA MORETTO	28

WOMEN 30-34

▪ 200 M. BREASTSTROKE	
2:56.52 M PERRONI	31
2:58.51 GINA GATTI	34
3:00.35 JENNIFER WECHSLER	30
3:01.48 LAURIE HUG	32
3:01.72 CHERYL BARABY	33
3:05.17 KELLYANN BRENNAN	30
3:07.15 PAULA BEAUMONT	30
3:10.53 GLORIA NEMET	33
3:11.17 LIBBY LEEDS	31
3:13.28 LAURA SWAIN	34

WOMEN 55-59

▪ 100 M. BUTTERFLY	
1:18.75 ARDETH MUELLER	56
1:36.30 LYNNE LUND	57
1:56.76 MARILYN RAMEY	56
2:00.01 AAGJE CARON	56
2:03.36 INGRID STINE	58
2:03.78 JEANNINE OLSON	57
2:03.85 LYNNE DE VICTORIA	55
2:06.13 KITTY JOHNSTON	55
2:09.61 PATRICIA ARNOLD	58
3:31.70 FRANCES SHELTON	58

MEN 45-49

▪ 50 M. BREASTSTROKE	
33.47 ALLEN STARK	48
33.71 PETER LAWLER	46
34.12 ROBERT PUELS	45
34.29 WAYNE MC CAULEY	49
34.64 BOB LIOTTA	46
35.07 STEVE HECK	48
35.30 SCOTT SCHLIEMAN	46
35.51 DENNIS J WILSON	48
35.73 WAYNE KING	45
35.89 TERRENCE LEE	47

FINA MASTERS WORLD RECORDS LONG-COURSE METERS

(as of 5-1-98)

***** M E N *****				25-29	***** W O M E N *****			
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
4:03.63	06-29-97	USA	ALEX KOSTICH	400 M. FREE	SARA SHAND	USA	- -89	4:27.53
8:24.67	06-29-97	USA	ALEX KOSTICH	800 M. FREE	EVA MORTENSEN	GBR	04-26-96	9:17.09
16:13.89	08-10-97	USA	ALEX KOSTICH	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
57.45	04-13-97	NZL	JON WINTER	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
2:26.01	03-08-98	JPN	EITA TSUMURA	200 M. BRST	SHARRON DAVIES	GBR	- -90	2:42.02
25.16	-83-84	USA	DEFORREST/BOTTOM	50 M. FLY	MARJA PARSSINEN	FIN	10-26-97	28.09
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 *****				30-34	***** W O M E N *****			
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	TRACIE MOLL	USA	08-18-97	29.07
56.64	10-15-88	USA	MIKE BOTTOM	100 M. FLY	PASCAL 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 *****				35-39	***** W O M E N *****			
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	K PIPES-NEILSEN	USA	08-10-97	2:06.94
4:07.64	07-16-95	USA	ROWDY GAINES	400 M. FREE	K PIPES-NEILSEN	USA	08-10-97	4:26.17
8:38.73	11-12-95	USA	ROWDY GAINES	800 M. FREE	K PIPES-NEILSEN	USA	08-16-97	9:16.20
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	K PIPES-NEILSEN	USA	06-29-97	31.83
1:00.95	08-22-93	USA	WILLIAM SPECHT	100 M. BACK	K PIPES-NEILSEN	USA	06-29-97	1:06.88
2:13.83	07-29-90	USA	TOM WOLF	200 M. BACK	K PIPES-NEILSEN	USA	08-10-97	2:18.20
29.40	08-25-96	GER	GERALD MORKEN	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	K PIPES-NEILSEN	USA	08-10-97	1:04.89
2:06.74	06-26-96	USA	JEFF STUART	200 M. FLY	K PIPES-NEILSEN	USA	08-10-97	2:20.21
				100 M. I.M.				
2:15.21	07-09-94	BRA	DJAN MADRUGA	200 M. I.M.	K PIPES-NEILSEN	USA	06-29-97	2:25.31
4:50.18	07-09-94	UKR	SERGEY FESENKO	400 M. I.M.	K PIPES-NEILSEN	USA	06-29-97	5:07.21
***** M E N *****				40-44	***** W O M E N *****			
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
1:09.47	08-18-97	USA	DOUG MALCOLM	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
2:11.53	06-29-97	USA	JAMES BELARDI	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

FINA MASTERS WORLD RECORDS LONG-COURSE METERS

(as of 5-1-98)

***** M E N *****			45-49	***** W O M E N *****		
25.18	07-09-94	RSA	TERRY DOWNES	50 M. FREE	LAURA VAL	USA 05-20-96 28.53
55.66	07-09-94	RSA	TERRY DOWNES	100 M. FREE	LAURA VAL	USA 05-20-96 1:02.42
2:03.71	05-19-96	USA	TIM BRODERICK	200 M. FREE	LAURA VAL	USA 05-20-96 2:18.05
4:24.37	07-28-96	USA	TIM BRODERICK	400 M. FREE	LAURA VAL	USA 08-10-97 4:56.06
9:16.09	07-28-96	USA	TIM BRODERICK	800 M. FREE	BARBARA DUNBAR	USA 08-27-95 10:20.34
17:38.65	08-25-96	USA	TODD BRYAN	1500 M. FREE	BARBARA DUNBAR	USA 09-01-94 19:28.34
30.30	08-25-96	USA	RICHARD BOBER	50 M. BACK	LAURA VAL	USA 07-27-97 32.93
1:05.64	08-27-95	USA	PETER O'KEEFE	100 M. BACK	LAURA VAL	USA 07-27-97 1:12.70
2:23.84	08-27-95	USA	PETER O'KEEFE	200 M. BACK	CECILIA MCCLOSKEY	USA 08-27-95 2:42.60
32.47	03-29-97	RSA	TIMOTHY SHEAD	50 M. BRST	SUSAN ROY	USA 05-29-94 36.97
1:12.38	03-28-97	RSA	TIMOTHY SHEAD	100 M. BRST	SUSAN ROY	USA 05-29-94 1:22.27
2:41.02	07-09-94	GER	GERHARD PREINER	200 M. BRST	ULRIKE URBANIAK	GER 03-29-98 2:57.88
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	LAURA VAL	USA 05-20-96 1:08.60
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.	DANIELLE OGIER	USA 08-18-97 2:40.28
5:10.08	07-28-96	USA	TIM BRODERICK	400 M. I.M.	DANIELLE OGIER	USA 06-29-97 5:45.85
***** 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	DIANNE FOSTER	CAN 03-01-98 5:12.02
9:48.17	09-04-97	NED	D UIJTENBOGAART	800 M. FREE	DIANNE FOSTER	CAN 03-01-98 10:36.52
18:49.43	06-06-93	GBR	SANDY GALLETTY	1500 M. FREE	ARDETH MUELLER	USA 07-28-91 21:02.46
30.63	07-06-97	USA	HUGH WILDER	50 M. BACK	SATOKO TAKEUJI	JPN 09-15-92 34.87
1:07.16	07-06-97	USA	HUGH WILDER	100 M. BACK	SATOKO TAKEUJI	JPN 07-16-95 1:18.86
2:29.35	06-29-97	USA	TIM BIRNIE	200 M. BACK	SATOKO TAKEUJI	JPN 09-15-92 2:51.11
32.44	06-29-97	USA	DON MCKENZIE	50 M. BRST	JAN MACLEOD	AUS 05-03-97 38.04
1:12.32	06-29-97	USA	DON MCKENZIE	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
1:02.94	06-29-97	USA	BOO GRANER-GALLAS	100 M. FLY	ARDETH MUELLER	USA 08-22-93 1:13.86
2:26.17	06-29-97	USA	BOO GRANER-GALLAS	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	ARDETH MUELLER	USA 08-10-97 30.83
59.82	08-18-97	USA	JACK GEOGHEGAN	100 M. FREE	YOSHIKO OSAKI	JPN 07-18-93 1:11.01
2:17.63	07-09-94	USA	JEFF FARRELL	200 M. FREE	ARDETH MUELLER	USA 07-19-97 2:34.88
4:53.35	04-26-97	GBR	SANDY GALLETTY	400 M. FREE	ARDETH MUELLER	USA 07-19-97 5:25.59
10:13.32	04-26-97	GBR	SANDY GALLETTY	800 M. FREE	ARDETH MUELLER	USA 08-10-97 11:15.07
19:09.48	06-08-97	GBR	SANDY GALLETTY	1500 M. FREE	ARDETH MUELLER	USA 08-10-97 21:09.91
32.36	08-18-97	USA	JACK GEOGHEGAN	50 M. BACK	MARGARET WILDING	GBR 06-22-96 36.77
1:12.30	03-09-97	USA	STEVEN THRASHER	100 M. BACK	SATOKO TAKEUJI	JPN 07-21-97 1:19.65
2:37.16	09-03-94	NZL	BARRY YOUNG	200 M. BACK	SATOKO TAKEUJI	JPN 07-21-97 2:56.13
33.03	07-18-93	JPN	HIROSHI KOTEGAWA	50 M. BRST	MONIKA SENFTLEBEN	GER 01-10-98 39.43
1:17.87	08-28-88	USA	JOHN KORTHEUER	100 M. BRST	HANNELORE ROESE	GER 09-04-97 1:29.53
2:50.44	06-29-97	USA	WILLIAM GONZALEZ	200 M. BRST	HANNELORE ROESE	GER 03-29-98 3:15.13
29.20	12-01-96	JPN	RYUJI TAKAMINE	50 M. FLY	GAIL ROPER	USA 08-20-85 35.29
1:07.68	03-29-97	AUS	PETER GILMOUR	100 M. FLY	ARDETH MUELLER	USA 08-10-97 1:21.91
2:34.90	03-27-97	AUS	PETER GILMOUR	200 M. FLY	FLORA CONNOLLY	GBR - -89 3:17.68
				100 M. I.M.		
2:39.32	07-27-97	USA	EDWARD CAZALET	200 M. I.M.	YOSHIKO OSAKI	JPN 10-01-95 2:59.15
5:36.39	06-29-97	USA	WILLIAM GONZALEZ	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
2:22.96	06-29-97	USA	DAVID HARRISON	200 M. FREE	LAVELLE STOINOFF	USA 07-11-93 2:43.83
5:04.56	07-30-95	USA	GRAHAM JOHNSTON	400 M. FREE	LAVELLE STOINOFF	USA 07-11-93 5:47.52
10:34.02	07-30-95	USA	GRAHAM JOHNSTON	800 M. FREE	LAVELLE STOINOFF	USA 05-29-94 12:01.79
20:04.73	07-30-95	USA	GRAHAM JOHNSTON	1500 M. FREE	LAVELLE STOINOFF	USA 05-28-95 22:50.81
33.13	08-28-94	USA	YOSHI OYAKAWA	50 M. BACK	BETSY JORDAN	USA 06-29-97 38.76
1:14.72	08-28-94	USA	YOSHI OYAKAWA	100 M. BACK	BETSY JORDAN	USA 06-29-97 1:24.45
2:45.93	08-22-93	USA	DONALD BROWN	200 M. BACK	BETSY JORDAN	USA 06-29-97 3:06.23
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
2:56.96	04-21-97	BRA	LUIS RICARDO SIMI	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

FINA MASTERS WORLD RECORDS LONG-COURSE METERS

(as of 5-1-98)

***** 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
10:29.26	06-29-97	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
35.25	02-28-98	JPN	S. SEKIKAWA	50 M. BACK	CLARA WALKER USA 08-23-92 39.85
1:18.77	02-28-98	JPN	S. SEKIKAWA	100 M. BACK	DORIS STEADMAN USA 08-20-90 1:31.58
2:51.19	02-28-98	JPN	S. SEKIKAWA	200 M. BACK	DORIS STEADMAN USA 08-20-90 3:17.12
37.32	08-18-97	USA	JOHN KORTHEUER	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
3:12.68	02-28-98	JPN	TSUTOMU KAJIHARA	200 M. BRST	MARGARET EVANS GBR - -89 3:45.71
33.04	07-21-97	JPN	MASAYASU KAMIYA	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
3:04.42	08-18-97	USA	ROGER FRANKS	200 M. BACK	DORIS STEADMAN USA 08-27-95 3:28.69
39.15	07-16-95	JPN	TOSHIO TAJIMA	50 M. BRST	ODETTE LUSIEN FRA 08-21-97 47.62
1:31.05	08-25-96	GER	ROBERT PFERSDORFT	100 M. BRST	CHIYOKO OKURA JPN 07-21-97 1:50.09
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
3:22.01	09-04-97	GER	VALENTIN WEBER	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 *****	
32.11	03-01-98	JPN	KEIJIRO NAKAMURA	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	MARGERY MEYER USA 06-29-97 3:19.07
6:17.36	07-14-96	JPN	DOMEI SUZUKI	400 M. FREE	MARGERY MEYER USA 06-29-97 7:18.50
12:58.14	06-10-95	USA	RAY TAFT	800 M. FREE	MARGERY MEYER USA 06-29-97 14:32.25
24:51.78	10-22-95	JPN	DOMEI SUZUKI	1500 M. FREE	RITA SIMONTON USA 07-10-93 29:45.90
38.28	02-28-98	JPN	KEIJIRO NAKAMURA	50 M. BACK	WILLY VAN RYSEL GBR - -91 46.64
1:29.52	08-27-95	USA	RAY TAFT	100 M. BACK	BUNNY CEDERLUND USA 08-18-97 1:46.70
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	MARJORIE SHARPE USA 08-18-97 7:56.31
13:50.05	07-09-94	CAN	NORBERT ARTUS	800 M. FREE	MARJORIE SHARPE USA 08-18-97 16:39.04
28:44.42	08-18-97	USA	ROBERT JOHNSTON	1500 M. FREE	MARJORIE SHARPE USA 07-27-97 32:09.15
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
43.82	07-21-97	JPN	Y MIYAMOTO	50 M. BRST	DOROTHY WESTON GBR 06-06-93 59.60
1:45.24	08-24-97	JPN	Y MIYAMOTO	100 M. BRST	DOROTHY WESTON GBR 06-06-93 2:17.08
3:57.75	07-27-97	USA	ALDO DA ROSA	200 M. BRST	DOROTHY WESTON GBR 06-06-93 5:01.36
43.46	07-21-97	JPN	Y MIYAMOTO	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
8:10.67	07-27-97	USA	ALDO DA ROSA	400 M. I.M.	MAXINE MERLINO USA 08-23-92 10:05.13

FINA MASTERS WORLD RECORDS LONG-COURSE METERS

(as of 5-1-98)

***** RELAY 200 M. FREE - WOMEN *****			***** RELAY 200 M. MEDLEY - WOMEN *****		
100-119 HOLMES-USA	08-28-88	1:53.20	100-119 HOLMES - USA	08-28-88	2:06.67
MARY HOLMES	SUSAN HALFACRE		BETH MAUER	DEB WALKER	
BETH MAUER	TISH BUCHER		TISH BUCHER	MARY HOLMES	
120-159 LONE STAR-USA	08-24-87	1:53.05	120-159 HOLMES - USA	- -88	2:08.21
MONICA BURK	BRIGITTE HEUER				
L. MORRISON-CASEY	JACKI HIRSTY				
160-199 REGATAS-PER	11-12-95	1:59.32	160-199 LOS ALTOS-USA	05-29-94	2:12.91
C CHANGANAQUI	F CHANGANAQUI		CHRIS BREEDY	SUSAN ROY	
ROSARIO VIVANCO	SANDRA CROUSSE		LAURA VAL	CAROLYN BOAK	
200-239 LOS ALTOS-USA	05-29-94	2:08.96	200-239 NEUK-GER	07-05-92	2:27.18
LAURA VAL	SUSAN ROY		BRIGITTE MERTEN	MONIKA SENFTLEBEN	
DELLA SEHORN	CAROLYN BOAK		HEIDI KAMPSCHULTE	MARGA SCHULZE	
240-279 NEW ENGLAND-USA	07-09-94	2:25.83	240-279 ETTALONG-AUS	03-28-97	2:49.52
JENNIFER LUKER	DIANE REED		PAMELA HUTCHINGS	BRENDA CASEY	
BILLIE BURRILL	CLARA WALKER		ELVERA DUNN	IRMA HEYTING	
280-319 NEW ENGLAND-USA	08-11-96	2:38.52	280-319 KOEI KAI-JPN	07-14-96	3:24.14
CLARA WLAKER	BILLIE BURRILL		KUMIKO KUBO	KAZUKO FUKAGAWA	
PETEY SMITH	DIANE REED		MASAKO HOTEHAMA	TOMIKO OMORI	
320-359 OAHU KIOI-JPN	03-08-98	4:09.67	320-359 OAHUKIOICHO-JPN	07-21-97	4:38.16
HIDEKO MORI	TAYO FURAYA		SACHIKO UTA	TAYO FURUYA	
SACHIKO UTA	YOSHIKO WATANABE		HIDEKO MORI	YOSHIKO WATANABE	

***** RELAY 200 M. FREE - M E N *****			***** RELAY 200 M. MEDLEY - M E N *****		
100-119 JYVASKYLAN-FIN	06-26-96	1:36.39	100-119 POWERS-AUS	04-07-90	1:49.84
JANNE VIRTANEN	ARI JAACKOLA		BRAD COOPER	NEIL GYNTHNER	
JAANE VIRTANEN	TOMMY RUNDGREN		ANKER BRODERSEN	ANGUS WADDELL	
120-159 LONE STAR-USA	07-16-86	1:37.43	120-159 RED FISH-SUI	07-09-94	1:48.75
DAVID HAGUE	JAMES MONTGOMERY		PATRICK FERLAND	ETIENNE DAGON	
TRIP HEDRICK	BUCK SMITH		THEOPHILE DAVID	STEFAN VOLERY	
160-199 HOLMES - USA	08-11-90	1:39.27	160-199 BAYLOR/LSTR-USA	07-09-94	1:53.79
JAMES LILLEY	C. MILTENBERGER		MEL NASH	BERRY HAMILTON	
RICHARD ABRAHAMS	TIMOTHY GARTON		TRIPP HEDRICK	DAVID HAGUE	
200-239 OLYMPIC CLB-USA	06-29-97	1:45.19	200-239 OLYMPIC CLB-USA	07-09-94	1:58.50
STEVE CLARK	ROBERT STRAND		TIM BIRNIE	ROBERT STRAND	
TIM BIRNIE	JAMES ELDER		RICHARD BASSI	JAMES ELDER	
240-279 OLYMPIC CLUB	06-29-97	1:54.45	240-279 OLYMPIC CLUB	06-29-97	2:17.51
RICHARD BASSI	JAMES KRUEGER		RICHARD BASSI	TIM TIMKEN	
BILL VAN HORN	PHILLIP CHAPMAN		JAMES KRUEGER	PHILLIP CHAPMAN	
280-319 SHUEI-JPN	09-15-92	2:10.18	280-319 MAVERICK - USA	08-18-97	2:33.50
SHUICHI MURAYAMA	JUZO TSUBOTA		PAUL HUTINGER	ROBERT MACDONALD	
ISAMU TAMURA	KEIJIRO NAKAMURA		JOSEPH KURTZMAN	ALAN MALONEY	
320-359 COAST - USA	08-11-96	2:35.13	320-359 COAST - USA	08-13-95	3:06.15
LOUIS GIBERSON	WOODROW BOWERSOCK		BRION WINSHIP	WALTER PFEIFFER	
WALTER PFEIFFER	R CHRISTIANS		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	160-199 HOLMES - USA	- -88	2:02.10
CATHY DROZDA	JUDY REED				
TOM WHATLEY	RICHARD ABRAHAMS				
200-239 LOS ALTOS - USA	07-09-94	1:55.50	200-239 TEAM TEXAS-USA	08-18-97	2:12.71
EDWARD CAZALET	LAURA VAL		KARLENE WISE	CHUCK BALDWIN	
ARLENE PROEBSTING	ROBERT PROEBSTING		KEITH BELL	S NEILSON-BELL	
240-279 SAN DIEGO-USA	06-29-97	2:07.26	240-279 OLYMPIC CLUB	06-29-97	2:27.14
DONALD BAKER	JEANNE LITTLE		MARGERY MEYER	DANIELLE OGIER	
JACKIE MARR	BILL EARLEY		STEVE CLARK	PHILLIP CHAPMAN	
280-319 OREGON - USA	08-23-92	2:31.29	280-319 HOLMES - USA	- -88	2:37.98
GERALD HUESTIS	ANDREW HOLDEN				
PETEY SMITH	PAULINE STANGEL				
320-359 DC MASTERS-USA	08-01-93	3:03.15	320-359 RIO MASTERS-BRA	11-26-95	3:54.87
NANCY CLARK	ANNE WALKER		ALBERTO MIBIELLI	LUZIA CARACCILOLO	
KELLEY LEMMON	DAVID MCAFFEE		MARIA LENK	GASTAO FIGUEIREDO	

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS

(as of 5-1-98)

***** M E N *****			***** 25-29 *****			***** W O M E N *****			
22.48	12-04-93	USA	ROBERT PEEL	50 M.	FREE	HAGEMAN/SCHUBERT	U/G	11- -97	26.63
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
3:58.23	12-14-97	USA	ALEX KOSTICH	400 M.	FREE	SHEILA TAORMINA	USA	03-31-96	4:24.18
8:14.75	12-14-97	USA	ALEX KOSTICH	800 M.	FREE	SHEILA TAORMINA	USA	03-31-96	8:51.18
15:41.81	12-14-97	USA	ALEX KOSTICH	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	BERIT PUGGAARD	DEN	11-01-97	1:04.50
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
1:03.23	11-03-97	JPN	HIDEAKI TOGO	100 M.	BRST	RIA WILLEMSE	NED	- -90	1:13.60
2:20.43	12-14-96	USA	ABRAHAM SOLANO	200 M.	BRST	LOUISE KEOGH	USA	04-23-94	2:40.90
25.20	03-16-97	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.	BIRGIT DEURING	GER	11-03-96	2:23.47
4:26.79	12-10-95	USA	JOHN KEPPELER	400 M.	I.M.	BIRGIT DEURING	GER	11-03-96	5:04.56
***** M E N *****			***** 30-34 *****			***** W O M E N *****			
22.82	10-15-89	JPN	ROWDY GAINES	50 M.	FREE	ANNA PETTIS-SCOTT	USA	04-17-93	26.46
50.51	10-15-89	JPN	ROWDY GAINES	100 M.	FREE	SANDY NEILSON	USA	05-16-88	57.35
1:50.91	10-15-89	JPN	ROWDY GAINES	200 M.	FREE	K PIPES-NEILSEN	USA	12-15-96	2:04.64
3:59.83	06-24-94	USA	BRUCE HAYES	400 M.	FREE	K PIPES-NEILSEN	USA	12-01-96	4:22.70
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	D GRANER GALLAS	USA	12-15-96	30.14
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	12-01-96	2:16.62
29.21	10-13-96	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	10-26-97	2:40.08
25.06	04-09-89	USA	MICHAEL BOTTOM	50 M.	FLY	D GRANER GALLAS	USA	12-15-96	29.20
54.82	05-19-96	JPN	HIROSHI MIURA	100 M.	FLY	K PIPES-NEILSEN	USA	12-01-96	1:03.80
2:05.73	07-20-96	GBR	IAN BECK	200 M.	FLY	K PIPES-NEILSEN	USA	12-01-96	2:19.64
57.84	05-19-96	JPN	HIROSHI MIURA	100 M.	I.M.	K PIPES-NEILSEN	USA	12-10-95	1:05.16
2:06.69	10-05-96	GBR	PAUL BREW	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	12-15-96	4:53.85
***** M E N *****			***** 35-39 *****			***** W O M E N *****			
23.80	12-11-94	USA	BRUCE STAHL	50 M.	FREE	S. NEILSON-BELL	USA	11-19-95	26.13
52.64	10-02-94	AUS	MARK MORGAN	100 M.	FREE	S. NEILSON-BELL	USA	12-03-94	57.71
1:53.66	01-25-98	NED	EDWIN VAN NORDEN	200 M.	FREE	K PIPES-NEILSEN	USA	12-14-97	2:03.56
4:07.22	01-10-98	NED	EDWIN VAN NORDEN	400 M.	FREE	K PIPES-NEILSEN	USA	12-14-97	4:24.01
8:44.90	03-31-96	SUI	JAMES FURRER	800 M.	FREE	LYNN MARSHALL	CAN	10-05-96	9:21.94
16:47.64	09-13-97	SUI	JAMES FURRER	1500 M.	FREE	BETH KNIGHT	USA	12-11-94	17:43.10
26.84	03-23-96	USA	CLAY BRITT	50 M.	BACK	K PIPES-NEILSEN	USA	12-14-97	31.06
58.25	03-23-96	USA	CLAY BRITT	100 M.	BACK	K PIPES-NEILSEN	USA	12-14-97	1:03.56
2:10.01	10-10-93	USA	WILLIAM SPECHT	200 M.	BACK	K PIPES-NEILSEN	USA	12-14-97	2:14.10
28.82	04-04-98	USA	WALLY DICKS	50 M.	BRST	LESLIE OSBORNE	USA	10-15-89	34.63
1:03.18	04-04-98	USA	WALLY DICKS	100 M.	BRST	K PIPES-NEILSEN	USA	12-14-97	1:15.65
2:22.64	04-27-96	CAN	SERGE SCORE	200 M.	BRST	DAGMAR HILBIG	GER	04-23-95	2:44.81
25.89	10-10-93	USA	WILLIAM SPECHT	50 M.	FLY	K PIPES-NEILSEN	USA	12-14-97	29.87
57.02	10-10-93	USA	WILLIAM SPECHT	100 M.	FLY	K PIPES-NEILSEN	USA	12-14-97	1:03.29
2:06.48	10-09-94	USA	WILLIAM SPECHT	200 M.	FLY	K PIPES-NEILSEN	USA	12-14-97	2:18.41
59.28	04-04-98	USA	CLAY BRITT	100 M.	I.M.	K PIPES-NEILSEN	USA	06-15-97	1:06.57
2:14.75	04-24-94	USA	MATT CLARK	200 M.	I.M.	K PIPES-NEILSEN	USA	06-15-97	2:23.15
4:44.33	06-14-97	POL	DARIUSZ WOLNY	400 M.	I.M.	K PIPES-NEILSEN	USA	12-14-97	4:52.85
***** M E N *****			***** 40-44 *****			***** W O M E N *****			
24.42	04-09-95	USA	CHARLES NORELLI	50 M.	FREE	LAURA VAL	USA	10-15-95	27.74
53.25	12-11-95	USA	RICK ABBOTT	100 M.	FREE	LAURA VAL	USA	11-14-93	1:00.68
1:57.83	06-25-95	USA	HESS YNTEMA	200 M.	FREE	JENNY WHITELEY	AUS	01-24-98	2:13.85
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	DANIELLE OGIER	USA	10-13-96	10:03.82
16:51.71	06-25-95	USA	HESS YNTEMA	1500 M.	FREE	KATHERINE BRANCH	USA	11-02-97	18:59.45
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
29.86	09-28-97	SWE	GLEN CHRISTIANSEN	50 M.	BRST	NAOMI HEIMBACH	JPN	05-19-96	36.22
1:06.50	12-14-97	USA	RON SCHAFFER	100 M.	BRST	ULRIKE URBANIAK	GER	11-18-95	1:19.88
2:25.58	12-14-97	USA	RON SCHAFFER	200 M.	BRST	ULRIKE URBANIAK	GER	02-07-97	2:53.85
26.35	12-11-95	USA	RICK ABBOTT	50 M.	FLY	LAURA VAL	USA	10-15-95	30.17
58.61	12-14-97	USA	JAMES BELARDI	100 M.	FLY	LAURA VAL	USA	11-14-93	1:06.86
2:08.46	12-14-97	USA	JAMES BELARDI	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
2:15.07	10-13-96	USA	SPENCER ELDRED	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

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS

(as of 5-1-98)

***** M E N *****			***** 45-49 *****			***** W O M E N *****		
24.70	01-07-95	NSA	JAN KOEN ANTHONI	50 M. FREE	LAURA VAL	USA	10-13-96	28.11
54.64	09-08-95	RSA	TERRY DOWNES	100 M. FREE	LAURA VAL	USA	10-13-96	1:01.76
2:00.13	12-15-96	USA	TIM BRODERICK	200 M. FREE	LAURA VAL	USA	10-13-96	2:16.07
4:18.44	10-13-96	USA	TIM BRODERICK	400 M. FREE	LAURA VAL	USA	10-13-97	4:51.77
8:56.08	10-13-96	USA	TIM BRODERICK	800 M. FREE	DANIELLE OGIER	USA	11-23-97	10:08.72
17:24.70	12-14-97	USA	JIM MCCONICA	1500 M. FREE	BARBARA DUNBAR	USA	10-27-96	19:14.97
29.33	03-12-89	USA	ROBERT SMITH	50 M. BACK	LAURA VAL	USA	10-13-96	32.39
1:04.94	12-10-95	USA	PETER O'KEEFFE	100 M. BACK	LAURA VAL	USA	10-13-96	1:10.76
2:21.01	12-14-97	USA	R TOD SPIEKER	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	ULRIKE URBANIAK	GER	02-07-98	1:21.88
2:34.41	12-10-95	USA	ROBERT STRAND	200 M. BRST	ULRIKE URBANIAK	GER	02-06-98	2:57.70
27.08	04-17-93	USA	DAN THOMPSON	50 M. FLY	LAURA VAL	USA	10-13-96	30.50
1:01.13	11-03-96	USA	TOM PERRIN	100 M. FLY	LAURA VAL	USA	10-13-96	1:07.80
2:19.73	12-15-96	USA	BOO GRANER GALLAS	200 M. FLY	LAURA VAL	USA	10-19-97	2:33.70
1:04.80	11-06-94	USA	ANDREW MCPHERSON	100 M. I.M.	LAURA VAL	USA	10-19-97	1:11.82
2:22.79	10-19-97	USA	TIM BRODERICK	200 M. I.M.	LAURA VAL	USA	10-19-97	2:37.59
4:57.94	03-15-98	ITA	LORENZO MARUGO	400 M. I.M.	DANIELLE OGIER	USA	10-19-97	5:43.48
***** M E N *****			***** 50-54 *****			***** W O M E N *****		
25.72	12-07-97	USA	DANIEL ROGACKI	50 M. FREE	SUSANA BARKLEY	ESP	05-14-95	30.30
56.63	10-13-96	USA	KEEFE LODWIG	100 M. FREE	ARDETH MUELLER	USA	10-06-91	1:06.41
2:06.76	12-15-96	USA	TIM BIRNIE	200 M. FREE	DIANNE FOSTER	CAN	01-25-98	2:27.70
4:36.29	05-24-96	BAR	ANGUS EDGHILL	400 M. FREE	DIANNE FOSTER	CAN	01-25-98	5:07.78
9:28.84	05-24-96	BAR	ANGUS EDGHILL	800 M. FREE	CAROLYN BOAK	USA	10-13-96	11:07.78
18:32.56	10-16-94	GBR	SANDY GALLETTY	1500 M. FREE	CAROLYN BOAK	USA	10-15-95	21:22.26
29.50	12-14-97	USA	HUGH WILDER	50 M. BACK	CAROL FELLOWS	GBR	11-08-97	34.97
1:04.17	12-14-97	USA	HUGH WILDER	100 M. BACK	SANDRA O'NEIL	GBR	10-26-97	1:19.16
2:24.18	12-14-97	USA	TIM BIRNIE	200 M. BACK	ARDETH MUELLER	USA	12-07-91	2:48.88
31.24	12-14-97	USA	DON MCKENZIE	50 M. BRST	JAN MACLEOD	AUS	09-13-97	38.48
1:09.96	12-15-96	USA	ROBERT STRAND	100 M. BRST	ERNA LOSKAMP	NED	- -92	1:25.73
2:34.71	12-15-96	USA	ROBERT STRAND	200 M. BRST	DIANE FORD	GBR	10-17-93	3:06.63
28.35	05-11-97	GER	BERND SCHRODER	50 M. FLY	DIANA TODD	USA	12-11-94	33.85
1:02.54	12-14-97	USA	BOO GRANER GALLAS	100 M. FLY	ARDETH MUELLER	USA	10-06-91	1:12.66
2:21.58	12-14-97	USA	BOO GRANER GALLAS	200 M. FLY	ARDETH MUELLER	USA	12-09-95	2:55.91
1:04.97	12-15-96	USA	ROBERT STRAND	100 M. I.M.	CAROL FELLOWS	GBR	10-27-96	1:17.98
2:25.01	12-14-97	USA	ROBERT STRAND	200 M. I.M.	BRIGITTE MERTEN	GER	11-02-97	2:48.78
5:18.19	12-14-97	USA	ANDREW MCPHERSON	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	ARDETH MUELLER	USA	11-03-96	30.37
59.49	11-02-97	USA	JACK GEOGHEGAN	100 M. FREE	YOSHIKO OSAKI	JPN	11-03-94	1:11.18
2:13.20	12-07-97	USA	JACK GEOGHEGAN	200 M. FREE	ARDETH MUELLER	USA	11-03-96	2:28.30
4:47.10	06-28-97	GBR	SANDY GALLETTY	400 M. FREE	ARDETH MUELLER	USA	11-03-96	5:15.91
9:47.45	10-26-97	GBR	SANDY GALLETTY	800 M. FREE	YOSHIKO OSAKI	JPN	04-29-96	11:24.24
19:18.99	11-02-97	USA	JACK GEOGHEGAN	1500 M. FREE	LAVELLE STOINOFF	USA	03-12-89	21:35.84
32.09	04-06-97	CAN	VINUS VAN BAALEN	50 M. BACK	SATOKO TAKEUJI	JPN	05-18-97	35.88
1:10.88	10-23-94	NZL	BARRY YOUNG	100 M. BACK	SATOKO TAKEUJI	JPN	05-18-97	1:19.61
2:33.21	10-23-94	NZL	BARRY YOUNG	200 M. BACK	MARGARET WILDING	GBR	10-26-97	2:58.47
33.17	05-09-93	JPN	HIROSHI KOTEGAWA	50 M. BRST	MONIKA SENFTLEBEN	GER	11-08-97	38.98
1:16.32	06-04-88	USA	MANUEL SANGUILY	100 M. BRST	BONNIE PRONK	CAN	11-22-97	1:25.92
2:49.96	12-10-95	USA	DRURY GALLAGHER	200 M. BRST	BONNIE PRONK	CAN	11-22-97	3:08.87
29.10	03-07-98	GER	BERND SCHRODER	50 M. FLY	ARDETH MUELLER	USA	11-02-97	33.66
1:06.66	03-15-98	GER	BERND SCHRODER	100 M. FLY	ARDETH MUELLER	USA	11-02-97	1:18.75
2:36.72	03-15-98	JPN	KOJI IWAMOTO	200 M. FLY	ARDETH MUELLER	USA	11-03-96	2:55.05
1:10.23	03-28-98	GER	BERND SCHRODER	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.	ARDETH MUELLER	USA	11-02-97	2:52.43
5:29.09	06-28-97	GBR	SANDY GALLETTY	400 M. I.M.	BONNIE PRONK	CAN	01-26-97	6:32.89
***** 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	YOSHIKO OSAKI	JPN	01-25-98	1:12.23
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	BETSY JORDAN	USA	06-15-97	38.74
1:13.55	10-09-94	USA	JACK BEATTIE	100 M. BACK	BETSY JORDAN	USA	06-15-97	1:24.16
2:40.75	10-09-94	USA	JACK BEATTIE	200 M. BACK	BETSY JORDAN	USA	09-14-97	3:05.27
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	HAIKE HOLER	GER	01-19-97	38.03
1:14.21	10-26-97	BRA	LUIS RICARDO SIMI	100 M. FLY	HAIKE HOLER	GER	10-06-96	1:29.15
2:53.49	05-17-97	BRA	LUIS RICARDO SIMI	200 M. FLY	FLORA CONNOLLY	GBR	04-23-94	3:17.00
1:12.78	05-11-97	JPN	TOSHIHIRO HAYASHI	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.	YOSHIKO OSAKI	JPN	01-25-98	2:59.95
6:02.73	07-18-93	USA	GRAHAM JOHNSTON	400 M. I.M.	JUDIE OLIVER	CAN	05-25-92	6:50.55

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS

(as of 5-1-98)

***** M E N *****			***** 65-69 *****			***** W O M E N *****			
28.66	12-14-97	USA	RON JOHNSON	50 M.	FREE	GAIL ROPER	USA	10-13-96	34.17
1:02.77	01-28-96	ESP	ROBERTO ALBERICHE	100 M.	FREE	GAIL ROPER	USA	12-15-96	1:16.26
2:22.13	01-28-96	ESP	ROBERTO ALBERICHE	200 M.	FREE	JANE ASHER	GBR	10-26-97	2:50.40
5:09.09	12-15-96	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
34.75	03-15-98	JPN	S SEKIKAWA	50 M.	BACK	DORIS STEADMAN	USA	10-15-89	40.48
1:16.12	03-15-98	JPN	S SEKIKAWA	100 M.	BACK	DORIS STEADMAN	USA	10-15-89	1:30.41
2:47.59	01-15-98	JPN	S SEKIKAWA	200 M.	BACK	DORIS STEADMAN	USA	10-15-89	3:15.72
36.33	01-28-96	CAN	NICK TEMPLEMAN	50 M.	BRST	ELIANE PELLIS	BEL	02-28-98	43.27
1:21.34	01-28-96	CAN	NICK TEMPLEMAN	100 M.	BRST	ELIANE PELLIS	BEL	02-28-98	1:36.52
3:06.13	03-03-96	CAN	NICK TEMPLEMAN	200 M.	BRST	JUDIE OLIVER	CAN	05-24-97	3:38.61
31.87	12-15-96	USA	RON JOHNSON	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
3:06.43	12-15-96	USA	RON JOHNSON	200 M.	FLY	JUNE KRAUSER	USA	10-08-95	3:32.93
1:15.61	12-15-96	USA	RON JOHNSON	100 M.	I.M.	GAIL ROPER	USA	10-13-96	1:28.95
2:49.10	01-28-96	ESP	ROBERTO ALBERICHE	200 M.	I.M.	CLARA WALKER	USA	12-08-91	3:18.77
6:04.40	11-23-96	USA	GRAHAM JOHNSTON	400 M.	I.M.	GAIL ROPER	USA	12-15-96	7:07.69
***** M E N *****			***** 70-74 *****			***** W O M E N *****			
30.21	03-15-98	JPN	TAKAHIKO NOMA	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	10-13-96	6:28.81
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	JUNE KRAUSER	USA	11-02-96	24:57.85
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
38.60	11-24-96	JPN	TOSHIO TAJIMA	50 M.	BRST	EDITH BOEHM	GER	03-21-98	45.26
1:29.48	11-06-98	USA	BARTON GREENBERG	100 M.	BRST	EDITH BOEHM	GER	01-24-98	1:42.97
3:16.44	04-23-95	GER	KARL HAUTER	200 M.	BRST	ERIKA LANGE	GER	02-06-98	3:48.92
34.77	12-10-95	USA	FRANK PIEMME	50 M.	FLY	MASUMI TANI	JPN	06-09-96	44.49
1:26.98	10-13-96	USA	JOSEPH KURTZMAN	100 M.	FLY	JUNE KRAUSER	USA	09-07-96	1:40.20
3:18.59	04-23-95	GER	ROBERT PFERSDORFF	200 M.	FLY	JUNE KRAUSER	USA	10-13-96	3:38.39
1:20.99	12-10-95	USA	FRANK PIEMME	100 M.	I.M.	JUNE KRAUSER	USA	10-13-96	1:38.73
3:00.88	01-28-96	ESP	JESUS DOMINGUEZ	200 M.	I.M.	JUNE KRAUSER	USA	10-13-96	3:31.93
6:38.98	12-10-95	USA	FRANK PIEMME	400 M.	I.M.	JUNE KRAUSER	USA	10-13-96	7:24.32
***** M E N *****			***** 75-79 *****			***** W O M E N *****			
32.48	10-26-97	GBR	JACK HALE	50 M.	FREE	OLGA JOHNSON	NZL	02-03-96	39.73
1:13.35	10-26-97	GBR	JACK HALE	100 M.	FREE	MARGERY MEYER	USA	10-19-97	1:34.19
2:48.67	11-06-94	USA	RAY TAFT	200 M.	FREE	MARGERY MEYER	USA	10-19-97	3:27.92
6:02.95	10-15-95	USA	RAY TAFT	400 M.	FREE	MARGERY MEYER	USA	10-19-97	7:07.37
12:45.40	11-06-94	USA	RAY TAFT	800 M.	FREE	MARGERY MEYER	USA	10-19-97	14:58.24
24:46.19	11-14-93	USA	ALDO DA ROSA	1500 M.	FREE	MARGERY MEYER	USA	10-11-97	28:47.41
37.47	03-15-98	JPN	KEIJIRO NAKAMURA	50 M.	BACK	WILLY VAN RYSEL	GBR	- -91	48.06
1:24.21	03-15-98	JPN	KEIJIRO NAKAMURA	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	TSUNEKO MITA	JPN	01-25-98	50.37
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
38.00	10-26-97	GBR	JACK HALE	50 M.	FLY	CATHERINE KERR	CAN	03-16-96	52.18
1:36.80	11-15-92	USA	PAUL KRUP	100 M.	FLY	DIANA SILVA	USA	09-21-97	2:05.39
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	MARJORIE SHARPE	USA	09-28-97	1:44.57
3:01.42	05-14-95	JPN	HIKOJI UEKI	200 M.	FREE	MARJORIE SHARPE	USA	09-13-97	3:49.19
6:46.62	09-28-97	USA	ALDO DA ROSA	400 M.	FREE	MARJORIE SHARPE	USA	09-13-97	8:04.20
14:24.53	10-19-97	USA	ALDO DA ROSA	800 M.	FREE	MARJORIE SHARPE	USA	10-11-97	16:18.58
27:33.01	08-03-97	USA	ROBERT JOHNSTON	1500 M.	FREE	MARJORIE SHARPE	USA	10-11-97	30:59.09
43.71	03-05-95	GER	OTTO CLAUS	50 M.	BACK	WILLY VAN RYSEL	GBR	11-02-96	55.58
1:37.17	11-06-94	USA	EDWARD SHEA	100 M.	BACK	EDITH THEIN	ISR	02-21-98	1:57.69
3:33.91	11-06-94	USA	EDWARD SHEA	200 M.	BACK	EDITH THEIN	ISR	02-21-98	4:03.55
44.56	11-16-98	JPN	Y MIYAMOTO	50 M.	BRST	KAY SCHIMPF	USA	10-05-97	1:04.37
1:43.91	11-03-97	JPN	Y MIYAMOTO	100 M.	BRST	DOROTHY WESTON	GBR	03-27-94	2:19.17
3:56.61	10-19-97	USA	ALDO DA ROSA	200 M.	BRST	DOROTHY WESTON	GBR	10-17-93	4:54.39
44.75	11-16-97	JPN	Y MIYAMOTO	50 M.	FLY	MARIA LENK	BRA	03-12-95	1:02.58
1:47.20	06-08-97	USA	PAUL KRUP	100 M.	FLY	JEAN DURSTON	USA	11-06-94	2:28.34
4:00.64	06-08-97	USA	ANTON CERER	200 M.	FLY	MAXINE MERLINO	USA	10-17-92	5:22.65
1:36.93	10-19-97	USA	ALDO DA ROSA	100 M.	I.M.	MARIA LENK	BRA	03-25-95	2:06.91
3:35.06	10-19-97	USA	ALDO DA ROSA	200 M.	I.M.	MARIA LENK	BRA	03-12-95	4:40.77
7:57.13	10-19-97	USA	ALDO DA ROSA	400 M.	I.M.	MAXINE MERLINO	USA	10-11-92	9:50.43

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS

(as of 5-1-98)

***** M E N *****		***** 85-89 *****		***** W O M E N *****	
38.82	03-15-97	GER	R REINSTADTLER	50 M. FREE	JULIA DOLCE USA 10-08-95 51.99
1:36.18	03-16-97	GER	R REINSTADTLER	100 M. FREE	JULIA DOLCE USA 10-08-95 2:05.74
3:44.09	03-14-97	GER	R REINSTADTLER	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
47.17	03-01-97	GER	R REINSTADTLER	50 M. BACK	DOROTHY WESTON GBR 03-29-98 1:10.95
1:52.03	03-16-97	GER	R REINSTADTLER	100 M. BACK	DOROTHY WESTON GBR 03-29-98 2:23.91
4:11.25	01-19-97	GER	R REINSTADTLER	200 M. BACK	RINA DAVOGLIO ITA 02-09-97 5:23.00
51.17	11-25-95	GER	KARL WITTENBERG	50 M. BRST	DOROTHY WESTON GBR 03-29-98 1:10.47
2:09.33	11-13-93	USA	DAN DOTTERWEICH	100 M. BRST	DOROTHY WESTON GBR 03-29-98 2:38.75
4:58.98	10-24-93	AUS	FRANK GRIFFITHS	200 M. BRST	MARTI GOGNIAT USA 12-14-97 5:59.36
57.89	03-15-97	GER	R REINSTADTLER	50 M. FLY	JEWEL COOKE USA 02-04-96 1:24.22
2:23.30	01-19-97	GER	R REINSTADTLER	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
1:56.20	03-01-97	GER	R REINSTADTLER	100 M. I.M.	DOROTHY WESTON GBR 03-29-98 2:32.68
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
44:48.99	11-10-96	USA	GUS LANGNER	1500 M. FREE	
1:03.01	03-07-98	GER	HANS PAUL	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
5:44.64	10-13-96	USA	JOE KAUFMAN	200 M. BACK	
1:05.70	03-07-98	GER	HANS PAUL	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	
1:16.38	02-22-98	USA	JIM PENFIELD	50 M. FLY	
				100 M. FLY	
				200 M. FLY	
2:51.05	02-22-98	USA	JIM PENFIELD	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.	

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS

(as of 5-1-98)

***** RELAY 200 M. FREE - WOMEN *****			***** RELAY 200 M. MEDLEY - WOMEN *****		
100-119 MICHIGAN-USA	03-31-96	1:45.93	100-119 SHEFFIELD-GBR	10-17-93	2:09.61
DYNE BURRELL	SUSIE DEVLIN		HELEN PRATT	PIPPA JONES	
MARY MUETING	SHEILA TAORMINA		LINZI GAYWOOD	LYNNE LEE	
120-159 SAN DIEGO-USA	11-09-96	1:53.26	120-159 SAN DIEGO-USA	12-11-94	2:05.27
K.PIPES-NEILSEN	BETH KNIGHT		VICKY DAVIDSON	MATHILDE BOUWMA	
MATHILDE BOUWMA	NANCY NORTH		KARLYN PIPES	BETH KNIGHT	
160-199 SAN DIEGO-USA	10-22-96	1:59.23	160-199 SAN DIEGO	11-09-96	2:12.54
BARBARA DUNBAR	MARILYN FINK		MARILYN FINK	K.PIPES-NEILSEN	
SALLY KARRASCH	K PIPES-NEILSEN		BARBARA DUNBAR	BETH KNIGHT	
200-239 SAN DIEGO-USA	11-02-97	2:11.52	200-239 SAN DIEGO-USA	11-02-97	2:29.70
MARILYN FINK	BARBARA DUNBAR		BETSY JORDAN	JACKIE MARR	
LYNNE LUND	JACKIE MARR		BARBARA DUNBAR	MARILYN FINK	
240-279 NEW ENGLAND-USA	12-11-94	2:25.52	240-279 SOLK HELLAS-SWE	03-24-96	2:45.48
CLARA WALKER	JENNIFER LUKER		KERSTIN GJORES	BARBRO FLODSTROM	
BILLIE A BURRILL	DIANE REED		HARRIET DEGIORGIO	BRITT GRILLI	
280-319 KAWASAKI-JPN	03-15-98	2:47.76	280-319 KOEIKAI-JPN	04-29-97	3:18.15
MIEKO KAMOSHITA	AKIKO HATTORI		MITSUOKO KURASHIGE	TAKAKO NAGATA	
MIDORI KINJO	KIYOKO KOZU		MASAKO HOTEHAMA	KATAMOTO TAEKO	
320-359 ST PETE - USA	10-31-93	4:09.37	320-359 SAN MATEO-USA	10-13-96	4:39.75
MARIAN MCKECHNIE	WIN KENNEDY		HELEN ROUMASSET	HILDA BUEL	
FRANCES CICHANSKI	KAY SCHIMPF		ZADA TAFT	AUDREY ETIENNE	

***** RELAY 200 M. FREE - M E N *****			***** RELAY 200 M. MEDLEY - M E N *****		
100-119 EL SEGUNDO-USA	12-14-97	1:35.70	100-119 EL SEGUNDO-USA	12-14-97	1:45.73
FRANK WATTLES	DEREK ROBINSON		DEREK ROBINSON	DAVE HUSTON	
MARCEL RINZLER	BERT BERGEN		MARCEL RINZLER	BERT BERGEN	
120-159 BAYLOR/STAR-USA	03-21-92	1:37.89	120-159 BAYLOR/STAR-USA	04-16-94	1:45.01
RICHARD HESS	DOUG MOYSE		JAY YARID	GREG RHODENBAUGH	
M.RHODENBAUGH	BOBBY PATTEN		BOBBY PATTEN	MOOK RHODENBAUGH	
160-199 COLONIALS-USA	04-21-96	1:40.74	160-199 COLONIALS-USA	04-09-95	1:54.75
CHARLES NORELLI	THOMAS MEADE		J NATHAN LEECH	GREGORY OXLEY	
MICHAEL SLENKER	GREGORY OXLEY		CHARLES NORELLI	ROBERT KROTEE	
200-239 S CAL AQUAT-USA	12-11-94	1:47.41	200-239 OLYMPIC CLB-USA	10-13-96	2:00.35
FRED HUBBELL	FRANK PIEMME		TIM BIRNIE	ROBERT STRAND	
FRANS NELSON	PETER O'KEEFFE		RICHARD BASSI	JAMES KRUEGER	
240-279 BUCKEYE-USA	11-06-94	1:58.22	240-279 BUCKEYE-USA	11-06-94	2:16.44
SID HALL	YOSHI OYAKAWA		YOSHI OYAKAWA	THOMAS OLANDER	
THOMAS OLANDER	JOHN FLORANCE		JOHN MEDICI	JOHN FLORANCE	
280-319 SHUEI-JPN	11-03-93	2:11.55	280-319 FL MAVERICK-USA	12-07-97	2:31.20
KEIJIRO NAKAMURA	EISAKU HAYASHI		PAUL HUTINGER	ROBERT MACDONALD	
ISAMU TAMURA	SHUICHI MURAYAMA		JOSEPH KURTZMAN	ALAN MALONEY	
320-359 COAST - USA	12-14-97	2:49.99	320-359 RIS 88 - JPN	04-29-97	3:31.47
LOUIS GIBERSON	WOODY BOWERSOCK		SHIRO ISHIKAWA	SEIICHI MATSUURA	
BOB CHRISTIANS	WALTER PFEIFFER		YASUSHI KODA	NORI YAMAMOTO	

***** RELAY 200 M. FREE - MIXED *****			***** RELAY 200 M. MEDLEY - MIXED *****		
100-119 EL SEGUNDO-USA	12-14-97	1:41.62	100-119 EL SEGUNDO-USA	12-14-97	1:52.80
BERT BERGEN	D GRANER GALLAS		D GRANER GALLAS	DAVE HUSTON	
MARCEL RINZLER	HEIDI HANNENIAN		DEREK ROBINSON	HEIDI HANNENIAN	
120-159 ST.PETE-USA	10-13-96	1:45.78	120-159 LAKESIDE-USA	10-15-89	1:58.28
LISA SUMMERS	WILLIAM SPECHT		WILLIAM TINGLEY	GINA GATTI	
MCKEITHEN-BUSSEY	STUART BARTON		MICHAEL HIGGS	MELINDA SCHMITT	
160-199 SAN DIEGO-USA	11-09-96	1:47.38	160-199 W HOLLYWOOD-USA	06-24-94	2:01.59
BETH KNIGHT	K.PIPES-NEILSEN		ANDREA DEVUONO	KAREN MELICK	
LARRY CARTWRIGHT	LEE MENCH		MICHAEL MEALIFFE	THOMAS REUDY	
200-239 LINCOLN-USA	10-15-89	1:57.25	200-239 S CAL AQUAT-USA	12-01-96	2:12.20
PAUL HUTINGER	IRENE DAVID		BONNIE ADAIR	KAREN MELICK	
COLLEEN MALMEN	RAY PADOVAN		GARY LANGENDOEN	BOB CONGELLIERE	
240-279 SAN DIEGO-USA	11-02-97	2:09.08	240-279 N.CAROLINA-USA	11-10-96	2:26.10
DONALD BAKER	BETSY JORDAN		JEANNIE MITCHELL	SALLY NEWELL	
BILL EARLEY	JACKIE MARR		JOHN KORTHEUER	DICK WEBBER	
280-319 OJAI S BAR-USA	10-15-95	2:35.36	280-319 OJAI S BAR-USA	10-28-95	2:55.31
FRANK PIEMME	GRACE ALTUS		GAY COLLINS	FRANK PIEMME	
RUTH BAAR	JURGEN SCHMIDT		JURGEN SCHMIDT	RUTH BAAR	
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