

**UNITED STATES
MASTERS
SWIMMING**



**1997
TOP TEN
SHORT COURSE METERS
and
WORLD RECORDS
as of November 1, 1997
LONG COURSE METERS
SHORT COURSE METERS**

Published March 1998

UNITED STATES MASTERS SWIMMING
1997 TOP TEN
SHORT COURSE METERS

The 1997 Short Course Top Ten is the third issue in a series of three 1997 Top Ten issues produced by United States Masters Swimming. Inside you will find the Top Ten Times for the 1997 Short Course Meter season (swims performed in a 25 meter pool) made on or before December 31, 1997 and forwarded to the Records and Tabulation Chairman, Pieter Cath, by February 5, 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 Darlynn Ferguson, P.O. Box 8005, Canton, OH 44711. Add \$1 for each additional stroke segment desired.

The first issue in this series is 1996-1997 Short Course Yards (swims performed in a 25 yard pool). Times and records considered for this Top Ten list must be made on or before May 31st and reported to the Top Ten Chairman by July 15th.

The 1997 Long Course Meters (swims performed in a 50 meter pool) list is the second issue in this series of Top Tens. Times and records considered for this Top Ten list must be made on or before September 30th and reported to the Top Ten Chairman by October 20th.

Once the SCM Top Ten is *finalized*, the official 1997 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 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

WOMEN 19-24

• 50 M. FREESTYLE		32.91 BRITT GREINER	24	• 100 M. BUTTERFLY		2:06.20 HEIDI HANNENIAN	26
26.66 ALISON TERRY	97	33.39 RACHEL HANDREN	22	1:05.38 JAMIE RAAB	94	2:11.99 JANE CAIRNS	27
26.66 ALISON TERRY	23	34.84 ELIZABETH ZEHR	22	1:09.46 LOUISE APPLETON	24	2:14.75 NANCY NORTH	29
28.68 BRITT GREINER	24	35.93 K PRINGER	24	1:10.75 HARMONY JOHNSON	19	2:16.46 JENNIFER JACOBS	29
29.13 JESSICA SANTO	23	36.15 HARMONY JOHNSON	19	1:11.36 KORNELIA TOSEGI	23	2:16.87 BRIDGET COLL	27
29.39 HARMONY JOHNSON	19	36.82 REBECCA KUNTZ	24	1:12.69 RACHEL HANDREN	22	2:17.47 CAROLYN BENTLEY	28
29.51 RACHEL HANDREN	22	37.37 LAURIEJO HALL	21	1:16.66 ELIZABETH ZEHR	22	2:19.43 COURTNEY THOMAS	25
29.66 LAURA YEHLER	19	37.52 AMBER STORCH	22	1:17.68 SARAH CURRAN	22	2:19.62 D MORTENSEN	25
30.67 JENNIFER BREWER	21	• 100 M. BACKSTROKE		1:18.35 ERIN R GLOCK	24	2:20.81 RACHEL BERKOWITZ	26
30.72 SARA BERRY	23	1:08.94 TATE BIRNIE	95	1:18.63 J GEMEINHARDT	24	2:20.93 MALLORY SLAUGHTER	27
30.99 SUZANNE L BAKER	22	1:10.66 NICOLE PAPPHAM	23	1:19.09 BRITT GREINER	24	• 400 M. FREESTYLE	
31.06 EMILY HOWARD	19	1:11.50 BRITT GREINER	24	1:21.03 REBECCA BORDEN	21	4:24.18 SHEILA TAORMINA	96
• 100 M. FREESTYLE		1:11.64 RACHEL HANDREN	22	• 200 M. BUTTERFLY		4:44.85 NANCY NORTH	29
57.86 ALISON TERRY	97	1:16.79 LAURA JUKELAND	24	2:28.91 LOUISE APPLETON	97	4:45.30 ELLEN BAIRD	27
57.86 ALISON TERRY	23	1:17.12 NICOLE ZITTA	24	2:28.91 LOUISE APPLETON	24	4:54.24 BRIDGET COLL	27
1:02.67 RACHEL HANDREN	22	1:17.43 AUDRA RESCHKE	23	3:14.02 CAMMY CHEN	22	4:54.35 JENNIFER JACOBS	29
1:02.73 BRITT GREINER	24	1:18.64 LAURIEJO HALL	21	3:34.66 DANA FRANKS	24	4:57.81 GILLIAN FUCIGNA	29
1:03.78 JESSICA SANTO	23	1:19.86 K WILSON	22	• 100 M. INDIVIDUAL MEDLEY		4:59.83 TOMO KAWASAKI	26
1:04.47 KORNELIA TOSEGI	23	1:20.25 ANNE SPENCER	22	1:05.34 BEATA KASZUBA	95	5:01.64 F CRANNELL	29
1:04.52 HARMONY JOHNSON	19	1:20.30 REBECCA KUNTZ	24	1:07.37 ANITA NALL	21	5:03.06 MALLORY SLAUGHTER	27
1:05.56 JENNIFER BREWER	21	• 200 M. BACKSTROKE		1:08.06 ALISON TERRY	23	5:04.09 KAREN LEAHY	28
1:06.13 SHAWNA Y O'LEARY	20	2:22.61 N WUNDERLICH	95	1:08.89 CHRISTINE JEFFREY	24	5:06.04 SHAWNA MILNER	28
1:06.78 K WILSON	22	2:27.18 ALISON TERRY	23	1:10.94 BRITT GREINER	24	• 800 M. FREESTYLE	
1:06.94 AUDRA RESCHKE	23	2:37.40 NICOLE PAPPHAM	23	1:13.40 LAURA DOUGLAS	24	8:51.18 SHEILA TAORMINA	96
• 200 M. FREESTYLE		2:44.43 LAURA JUKELAND	24	1:13.51 RACHEL HANDREN	22	9:47.23 NANCY NORTH	29
2:08.96 ALISON TERRY	97	2:45.89 JOANNE SONBERG	23	1:14.08 JESSICA SANTO	23	10:05.82 SUSAN D STRONG	26
2:08.96 ALISON TERRY	23	2:47.31 LAURIEJO HALL	21	1:14.76 RHONA SWAIN	23	10:08.81 CHRISTENA PAZOS	28
2:09.32 CHRISTINE JEFFREY	24	2:49.79 AUDRA RESCHKE	23	1:15.46 LAURA YEHLER	19	10:16.06 BRIDGET COLL	27
2:13.25 ANITA NALL	21	2:50.10 JENNIFER TAM	21	1:18.63 LAURIEJO HALL	21	10:26.28 MALLORY SLAUGHTER	27
2:17.46 RACHEL HANDREN	22	2:56.39 REBECCA KUNTZ	24	• 200 M. INDIVIDUAL MEDLEY		10:31.62 SUZANNE GEDNEY	29
2:20.04 JENNIFER KENYON	24	2:57.56 K WILSON	22	2:30.37 N WUNDERLICH	95	10:32.29 SHAWNA MILNER	28
2:20.88 NICOLE PAPPHAM	23	3:03.72 JEANNE COON	22	2:30.82 ALISON TERRY	23	10:55.27 ANN HILL	28
2:21.71 JESSICA SANTO	23	• 50 M. BREASTSTROKE		2:37.76 KORNELIA TOSEGI	23	10:56.00 KATHY WEBSTER	29
2:23.29 JENNIFER BREWER	21	32.09 BEATA KASZUBA	95	2:38.57 RHONA SWAIN	23	11:08.70 MICHELLE C DEASY	25
2:23.32 SHAWNA Y O'LEARY	20	33.90 ANITA NALL	21	2:39.80 JOANNE SONBERG	23	• 1500 M. FREESTYLE	
2:29.62 CATHERINE FUSS	23	36.63 RHONA SWAIN	23	2:40.74 RACHEL HANDREN	22	16:36.07 SHEILA TAORMINA	96
• 400 M. FREESTYLE		39.19 DANA KESSEL	23	2:42.89 KATHERINE PINGER	22	18:26.05 NANCY NORTH	29
4:43.50 LISA DIAL	92	39.81 DEBBIE EVANS	20	2:42.94 MEGUMI MASUDA	24	19:07.99 BRIDGET COLL	27
4:45.90 LOUISE APPLETON	24	40.12 JULIE HOWARD	23	2:46.01 ELIZABETH ZEHR	22	19:17.05 HILARY DEVINE	25
4:51.53 KORNELIA TOSEGI	23	41.32 ALEXANDRA BLANK	19	2:46.18 HARMONY JOHNSON	19	19:43.08 MALLORY SLAUGHTER	27
4:53.58 JOANNE SONBERG	23	41.43 SIMONE RUBINSKY	21	2:51.65 J GEMEINHARDT	24	20:02.80 F CRANNELL	29
5:02.34 SHAWNA Y O'LEARY	20	41.48 DAWN CARLSON	24	• 400 M. INDIVIDUAL MEDLEY		20:04.16 SUZANNE GEDNEY	29
5:04.64 JENNIFER BREWER	21	41.52 CHRISTY THOMSEN	23	5:12.14 N WUNDERLICH	95	20:10.77 SHAWNA SIMPSON	26
5:07.24 JENNIFER KENYON	24	42.07 AMY THURMAN	24	5:12.76 ANITA NALL	21	20:30.90 ANN HILL	28
5:11.11 SARAH CURRAN	22	• 100 M. BREASTSTROKE		5:36.12 JENNIFER KENYON	24	21:08.03 MARY HAYES	28
5:14.64 LAURIEJO HALL	21	1:08.89 BEATA KASZUBA	95	5:36.70 JOANNE SONBERG	23	21:18.04 KIM KRZYAN	28
5:16.22 SUSAN PERKINS	22	1:12.46 ANITA NALL	21	5:47.84 MEGUMI MASUDA	24	• 50 M. BACKSTROKE	
5:25.33 ANNA M MALSCH	23	1:20.40 LAURA DOUGLAS	24	5:55.43 NICOLE PAPPHAM	23	30.63 DIANE GRANER	89
• 800 M. FREESTYLE		1:27.95 DEBBIE EVANS	20	6:59.91 MARYANN STOTT	24	32.49 JERI RAMSBOTTOM	25
9:49.66 LAURA ANTONIETTA	94	1:28.88 MEGUMI MASUDA	24			32.87 BRIDGET COLL	27
10:20.42 JENNIFER KENYON	24	1:29.56 JULIE HOWARD	23			32.96 JEAN KELLACHAN	26
10:21.67 JENNIFER BREWER	21	1:30.32 BRENDA TOMTAN	24			33.13 HEATHER HAGEMAN	26
10:21.85 SHAWNA Y O'LEARY	20	1:31.13 ANNE SPENCER	22			34.27 JENNIFER SCALISE	26
10:40.79 SUSAN PERKINS	22	1:31.69 DAWN CARLSON	24			34.82 TINA A SANDLIN	29
11:03.59 JILL MURANY	23	1:32.00 ALEXANDRA BLANK	19			35.16 TOMO KAWASAKI	26
11:08.66 LAURIEJO HALL	21	1:32.80 JENNIFER TAM	21			35.22 D MORTENSEN	25
11:12.22 ANNA M MALSCH	23	• 200 M. BREASTSTROKE				35.85 JENNIFER HUSTON	27
11:53.84 HEATHER CLARK	24	2:38.63 ANITA NALL	97			35.91 SHAWNA MILNER	28
11:57.66 MARYANN STOTT	24	2:38.63 ANITA NALL	21			• 100 M. BACKSTROKE	
12:01.56 AUDRA MILLER	24	3:05.78 MEGUMI MASUDA	24			1:04.66 DIANE GRANER	89
• 1500 M. FREESTYLE		3:15.26 JULIE HOWARD	23			1:09.16 KATHLEEN HARTNETT	25
18:54.01 KRISTIN HENSON	90	3:16.00 ANNE SPENCER	22			1:09.68 BRIDGET COLL	27
19:06.76 JOANNE SONBERG	23	3:23.19 NEDRA GUCKERT	22			1:10.01 JERI RAMSBOTTOM	25
19:25.52 JENNIFER KENYON	24	3:34.84 DIANE VARGA	24			1:11.38 JANE CAIRNS	27
20:27.94 SUSAN PERKINS	22	3:53.66 ANICIA CRISCIONE	24			1:11.42 ELLEN BAIRD	27
20:58.97 JILL MURANY	23	4:47.44 JAMILA WILLIAMS	21			1:11.65 JEAN KELLACHAN	26
22:58.80 MARCIE TACKETT	22	• 50 M. BUTTERFLY				1:12.78 MICHELLE DAVIDSON	27
23:00.29 MARYANN STOTT	24	28.84 JAMIE RAAB	94			1:13.76 MELINDA STORRS	26
24:45.24 SANDY RAPKIN	23	29.74 ALISON TERRY	23			1:13.79 HEIDI SCHWARTZ	26
28:46.69 MARIE WHITE	19	30.54 BRITT GREINER	24			1:14.59 JENNIFER HUSTON	27
• 50 M. BACKSTROKE		31.30 HARMONY JOHNSON	19			• 200 M. BACKSTROKE	
30.86 KYM HUCAL	94	32.20 RACHEL HANDREN	22			2:20.66 DIANE GRANER	89
31.25 ALISON TERRY	23	33.12 SARA BERRY	23			2:29.94 TANYA LANE	25
31.67 CHRISTINE JEFFREY	24	33.14 K PRINGER	24			BRIDGET COLL	27
		33.75 D BILDEAU	22			2:34.87 JEAN KELLACHAN	26
		33.83 DEBBIE EVANS	20			2:37.34 MICHELLE DAVIDSON	27
		34.10 LAURA YEHLER	19			2:41.02 NANCY NORTH	29
		34.31 KRISTINA KUPANOFF	23			2:44.68 SHAWNA MILNER	28

WOMEN 25-29

• 50 M. FREESTYLE		26.63 HEATHER HAGEMAN	97	• 100 M. BUTTERFLY		2:06.20 HEIDI HANNENIAN	26
26.63 HEATHER HAGEMAN	97	26.63 HEATHER HAGEMAN	26	1:05.38 JAMIE RAAB	94	2:11.99 JANE CAIRNS	27
27.66 DORI KAUFFMAN	28	27.66 DORI KAUFFMAN	28	1:09.46 LOUISE APPLETON	24	2:14.75 NANCY NORTH	29
28.70 LOUISE MARTIN	28	28.70 LOUISE MARTIN	28	1:10.75 HARMONY JOHNSON	19	2:16.46 JENNIFER JACOBS	29
28.71 JENNIFER SCALISE	26	28.71 JENNIFER SCALISE	26	1:11.36 KORNELIA TOSEGI	23	2:16.87 BRIDGET COLL	27
28.84 D MORTENSEN	25	28.84 D MORTENSEN	25	1:12.69 RACHEL HANDREN	22	2:17.47 CAROLYN BENTLEY	28
29.06 DORIE PORTELA	29	29.06 DORIE PORTELA	29	1:16.66 ELIZABETH ZEHR	22	2:19.43 COURTNEY THOMAS	25
29.29 LEIGH METCALF	26	29.29 LEIGH METCALF	26	1:17.68 SARAH CURRAN	22	2:19.62 D MORTENSEN	25
29.43 MICHELLE ROBINSON	25	29.43 MICHELLE ROBINSON	25	1:18.35 ERIN R GLOCK	24	2:20.81 RACHEL BERKOWITZ	26
29.85 KELLY APPLER	27	29.85 KELLY APPLER	27	1:18.63 J GEMEINHARDT	24	2:20.93 MALLORY SLAUGHTER	27
29.92 JEAN KELLACHAN	26	29.92 JEAN KELLACHAN	26	1:19.09 BRITT GREINER	24	• 400 M. FREESTYLE	
• 100 M. FREESTYLE		• 100 M. FREESTYLE		1:21.03 REBECCA BORDEN	21	4:24.18 SHEILA TAORMINA	96
56.30 SHEILA TAORMINA	96	56.30 SHEILA TAORMINA	96	• 200 M. BUTTERFLY		4:44.85 NANCY NORTH	29
1:00.35 HEATHER HAGEMAN	26	1:00.35 HEATHER HAGEMAN	26	2:28.91 LOUISE APPLETON	97	4:45.30 ELLEN BAIRD	27
1:02.17 KATHLEEN HARTNETT	25	1:02.17 KATHLEEN HARTNETT	25	2:28.91 LOUISE APPLETON	24	4:54.24 BRIDGET COLL	27
1:02.84 DORI KAUFFMAN	28	1:02.84 DORI KAUFFMAN	28	3:14.02 CAMMY CHEN	22	4:54.35 JENNIFER JACOBS	29
1:03.27 JENNIFER JACOBS	29	1:03.27 JENNIFER JACOBS	29	3:34.66 DANA FRANKS	24	4:57.81 GILLIAN FUCIGNA	29
1:03.45 COURTNEY THOMAS	25	1:03.45 COURTNEY THOMAS	25	• 100 M. INDIVIDUAL MEDLEY		4:59.83 TOMO KAWASAKI	26
1:03.48 RUTH TANENBAUM	27	1:03.48 RUTH TANENBAUM	27	1:05.34 BEATA KASZUBA	95	5:01.64 F CRANNELL	29
1:03.84 JERI RAMSBOTTOM	25	1:03.84 JERI RAMSBOTTOM	25	1:07.37 ANITA NALL	21	5:03.06 MALLORY SLAUGHTER	27
1:03.95 CAROLYN BENTLEY	28	1:03.95 CAROLYN BENTLEY	28	1:08.06 ALISON TERRY	23	5:04.09 KAREN LEAHY	28
1:04.36 BRIDGET COLL	27	1:04.36 BRIDGET COLL	27	1:08.89 CHRISTINE JEFFREY	24	5:06.04 SHAWNA MILNER	28
1:04.41 D MORTENSEN	25	1:04.41 D MORTENSEN	25	1:10.94 BRITT GREINER	24	• 800 M. FREESTYLE	
• 200 M. FREESTYLE		• 200 M. FREESTYLE		1:13.40 LAURA DOUGLAS	24	8:51.18 SHEILA TAORMINA	96
1:59.78 SHEILA TAORMINA	96	1:59.78 SHEILA TAORMINA	96	1:13.51 RACHEL HANDREN	22	9:47.23 NANCY NORTH	29

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

2:44.87 CAROLYN REUTER 25	1:09.02 JENNIFER RIDGE 28	4:53.24 LAURIE HUG 32	40.23 LORNA CIALDELLA 32
2:46.38 HEATHER OBRIAN 26	1:11.02 SHIRLEY KIM 25	4:55.56 LOUISE BUCKLEY 30	40.23 LISA M SHEEPER 33-
2:46.61 PATRICIA HOGAN 28	1:11.66 COURTNEY THOMAS 25	4:55.68 S MUNATONES 33	• 100 M. BREASTSTROKE
2:47.12 MARY RYAN 26	1:11.90 JERI RAMSBOTTOM 25	4:56.75 MYLA J HOULIHAN 33	1:15.85 K PIPES-NEILSEN 96
• 50 M. BREASTSTROKE	1:12.16 LOUISE MARTIN 28	4:58.41 DAWN HEWITT 32	1:23.17 M PERRONI 31
32.20 TRACEY MIRANDE 95	1:12.63 DORIE PORTELA 29	5:01.31 HEIDE HARRIS 33	1:23.62 KIMBERLY B MORGAN 31
34.89 LOUISE MARTIN 28	1:14.05 CAROLYN BENTLEY 28	5:05.57 ANN WELAGE 31	1:24.29 SARA DEMYANOVICH 32
35.77 TRACY GILLILAN 26	1:14.60 RUTH TANENBAUM 27	• 800 M. FREESTYLE	1:24.59 JANET HARRIS 32
36.48 MARY BERGEN 27	1:16.48 LINDA HEGERBERG 26	9:08.34 K PIPES-NEILSEN 96	1:24.89 MICHELE ROY 32
36.91 TANYA LANE 25	1:16.49 D MORTENSEN 25	9:50.53 DONNA JOHNSON 30	1:25.00 CHERYL BARABY 33
38.33 MARY STARR 27	• 200 M. INDIVIDUAL MEDLEY	10:00.84 LAURIE HUG 32	1:25.74 LIBBY LEEDS 31
38.34 GENEVE EHINGER 29	2:24.07 DIANE GRANER 89	10:14.62 MYLA J HOULIHAN 33	1:26.16 PAULA BEAUMONT 30
38.56 LINDA HEGERBERG 26	2:27.89 JENNIFER RIDGE 28	10:28.26 MICHELE F SEARER 30	1:27.29 LIESA BENN 32
38.95 GENEVE HENDRICKS 29	2:30.06 JANE CAIRNS 27	10:38.29 RAY DE LOSIER 34	1:27.71 LOUISE BUCKLEY 30
39.11 HEATHER PARRY 28	2:32.42 TANYA LANE 25	10:39.94 NANCY THOMSON 33	• 200 M. BREASTSTROKE
39.12 MICHELLE CHOW 29	2:37.04 NANCY NORTH 29	10:46.64 LISA M SHEEPER 33	2:46.47 K PIPES-NEILSEN 96
• 100 M. BREASTSTROKE	2:37.28 CHRISTENA PAZOS 28	10:47.43 JENNIFER WECHSLER 30	2:56.52 M PERRONI 31
1:14.82 TRACY MCFARLANE 91	2:37.88 KATHLEEN HARTNETT 25	10:51.04 GLORIA NEMET 33	2:58.51 GINA GATTI 34
1:16.33 COURTNEY THOMAS 25	2:38.37 TOMO KAWASAKI 26	10:57.62 LIBBY LEEDS 31	3:00.35 JENNIFER WECHSLER 30
1:17.94 CAROLYN BENTLEY 28	2:39.54 JEAN KELLACHAN 26	• 1500 M. FREESTYLE	3:01.48 LAURIE HUG 32
1:18.63 LOUISE MARTIN 28	2:40.66 COURTNEY THOMAS 25	17:23.60 KAREN BURTON 94	3:01.72 CHERYL BARABY 33
1:20.41 ELLEN BAIRD 27	2:41.52 SUSAN D STRONG 26	18:03.95 DONNA JOHNSON 30	3:05.17 KELLYANN BRENNAN 30
1:21.69 MARY BERGEN 27	• 400 M. INDIVIDUAL MEDLEY	20:03.81 RAY DE LOSIER 34	3:06.44 ANDREA DEVUONO 30
1:21.72 ELIZABETH BUGBEE 25	5:12.72 LAUREEN WELTING 95	20:18.15 NANCY THOMSON 33	3:07.15 PAULA BEAUMONT 30
1:22.88 KELLY APPLER 27	5:16.41 JENNIFER RIDGE 28	20:43.33 JULIE WALSH 31	3:10.53 GLORIA NEMET 33
1:23.77 WENDY PATRICK 25	5:22.57 ELLEN BAIRD 27	20:52.52 GLORIA NEMET 33	3:11.17 LIBBY LEEDS 31
1:23.93 LINDA HEGERBERG 26	5:26.02 SHIRLEY KIM 25	21:28.66 KRIS UPSHAW 30	• 50 M. BUTTERFLY
1:24.16 GENEVE HENDRICKS 29	5:32.31 NANCY NORTH 29	21:29.67 REBECCA JACKMAN 34	29.20 D GRANER GALLAS 96
• 200 M. BREASTSTROKE	5:43.47 MELISSA BRAISTED 25	22:37.93 KAREN MILLER 32	31.57 MARY B KAVANEY 31
2:40.90 LOUISE KEOGH 94	5:46.89 MALLORY SLAUGHTER 27	22:41.14 BOBBI SIPES 30	31.65 KRISTEN CORBETT 31
2:44.56 LOUISE MARTIN 28	5:50.45 F CRANNELL 29	22:58.56 TRISHA COMMONS 33	31.93 SUSIE DEVLIN 30
2:47.06 CAROLYN BENTLEY 28	5:54.41 CAROLYN REUTER 25	• 50 M. BACKSTROKE	32.11 C KANAZAWA 30
2:48.80 COURTNEY THOMAS 25	5:55.76 THERESA KLEIN 26	30.14 D.GRANER GALLAS 96	32.17 LISA A WARD 33
2:53.13 SHIRLEY KIM 25	5:55.80 SHAWNA MILNER 28	32.95 MARIKA MCCUE 34	32.19 JOAN A SCHRIGER 32
2:56.70 TOMO KAWASAKI 26		33.62 ANDREA SCHOLZ 32	32.43 CHERYL BARABY 33
2:59.39 JODIE ZIEBELL 25		33.86 KRISTEN CORBETT 31	32.44 GINA GATTI 34
3:00.88 GENEVE HENDRICKS 29		33.97 JOAN A SCHRIGER 32	32.75 SILKE VOGEL 31
3:05.29 GENEVE EHINGER 29		34.56 PAMELA BOSCOVICH 34	32.86 BETSYLEE AIRD 30
3:06.64 RACHEL BERKOWITZ 26		34.57 JULIENE HEFTER 30	• 100 M. BUTTERFLY
3:06.88 MARY STARR 27		35.15 BETSYLEE AIRD 30	1:03.80 K PIPES-NEILSEN 96
• 50 M. BUTTERFLY		35.17 SARAH OSBORNE 34	1:07.78 D GRANER GALLAS 33
28.68 SHEILA TAORMINA 96		35.19 PEGGY SCHMIDT 34	1:10.38 JENNIFER WECHSLER 30
29.60 SHIRLEY KIM 25		35.31 KIM ELSBACH 34	1:10.55 CHERYL BARABY 33
30.44 JENNIFER RIDGE 28		• 100 M. BACKSTROKE	1:11.21 MARY B KAVANEY 31
31.18 DORIE PORTELA 29		1:03.36 K PIPES-NEILSEN 96	1:11.56 S MUNATONES 33
31.38 HEATHER HAGEMAN 26		1:06.29 D GRANER GALLAS 33	1:12.08 LAURIE HUG 32
31.72 NANCY NORTH 29		1:09.81 LISA A WARD 33	1:12.16 CAROLYN GRAVES 32
31.73 DORI KAUFFMAN 28		1:12.37 ANDREA SCHOLZ 32	1:12.61 JOAN A SCHRIGER 32
31.93 MICHELLE ROBINSON 25		1:12.96 MARIKA MC CUE 34	1:13.89 SACHI SAWAMURA 31
32.00 RUTH TANENBAUM 27		1:13.64 JOAN A SCHRIGER 32	1:13.89 MARY LLEW ANDERS 34
32.02 MARY BERGEN 27		1:13.76 PAMELA BOSCOVICH 34	• 200 M. BUTTERFLY
32.28 SUSAN D STRONG 26		1:14.43 LORNA CIALDELLA 32	2:19.64 K PIPES-NEILSEN 96
• 100 M. BUTTERFLY		1:14.70 SUSIE DEVLIN 30	2:34.03 S MUNATONES 33
1:01.33 SHEILA TAORMINA 96		1:15.05 MICHELE F SEARER 30	2:39.20 DONNA JOHNSON 30
1:06.36 SHIRLEY KIM 25		1:15.94 JANET HARRIS 32	2:40.89 KIM ELSBACH 34
1:06.45 HEIDI HANNENIAN 26		• 200 M. BACKSTROKE	2:43.73 LAURIE HUG 32
1:07.76 JENNIFER RIDGE 28		2:13.51 K PIPES-NEILSEN 96	2:48.17 SUSAN CHAMPLIN 30
1:09.27 JANE CAIRNS 27		2:31.08 LISA A WARD 33	2:51.96 MICHELE F SEARER 30
1:09.43 CHRISTENA PAZOS 28		2:36.41 ANDREA SCHOLZ 32	3:01.12 NANCY THOMSON 33
1:09.92 NANCY NORTH 29		2:38.84 LAURIE HUG 32	3:03.86 GLORIA NEMET 33
1:10.67 BRIDGET COLL 27		2:43.78 PAMELA BOSCOVICH 34	3:15.41 JUDITH TANENBAUM 30
1:10.86 MALLORY SLAUGHTER 27		2:43.81 JANE ROCKWELL 33	3:17.20 AMY ATCHISON 30
1:11.64 LEIGH METCALF 26		2:48.01 DONNA JOHNSON 30	• 100 M. INDIVIDUAL MEDLEY
1:11.89 MICHELLE CHOW 29		2:49.21 MARY LLEW ANDERS 34	1:05.16 K PIPES-NEILSEN 95
• 200 M. BUTTERFLY		2:53.13 PATTI SEIDERS 32	1:12.92 MARY B KAVANEY 31
2:28.67 KAREN BURTON 91		2:54.40 BETSYLEE AIRD 30	1:13.81 MARIKA MC CUE 34
2:31.87 JENNIFER RIDGE 28		2:54.43 WENDY GULLEY 32	1:13.97 ANDREA SCHOLZ 32
2:32.77 NANCY NORTH 29		• 50 M. BREASTSTROKE	1:14.39 JANET HARRIS 32
2:36.15 MALLORY SLAUGHTER 27		34.71 K PIPES-NEILSEN 96	1:14.68 DAWN HEWITT 32
2:42.81 HEIDI SCHWARTZ 26		38.77 SARA DEMYANOVICH 32	1:14.88 S MUNATONES 33
2:56.68 ANN HILL 28		38.93 ROBIN PAYNE 33	1:16.11 C KANAZAWA 30
2:58.19 KATHY WEBSTER 29		39.02 MICHELLE MCDEVITT 34	1:17.20 MYLA J HOULIHAN 33
2:58.21 MARY HAYES 28		39.40 JANET HARRIS 32	1:17.31 PAMELA BOSCOVICH 34
2:59.02 MICHELLE DAVIDSON 27		39.55 KIMBERLY B MORGAN 31	1:17.62 RAY DE LOSIER 34
3:00.76 JENNIFER REMLE 25		39.72 PAULA BEAUMONT 30	• 200 M. INDIVIDUAL MEDLEY
3:09.52 DEANNA KOEHLER 28		39.76 LIESA BENN 32	2:18.79 K PIPES-NEILSEN 96
• 100 M. INDIVIDUAL MEDLEY		39.83 BARBARA KOLITSCH 30	2:32.20 LISA A WARD 33
1:08.16 BETH O'CONNOR 88		40.15 LIBBY LEEDS 31	2:37.89 LAURIE HUG 32

WOMEN 30-34

• 50 M. FREESTYLE

26.46 ANNA PETTIS-SCOTT 93
28.46 MARY B KAVANEY 31
29.09 K GMYTRASIEWIC 31
29.37 MONICA BARRY 33
29.48 LIESA BENN 32
29.49 JANET HARRIS 32
29.53 GINA GATTI 34
29.56 C KANAZAWA 30
29.82 PEGGY SCHMIDT 34
29.86 MARIKA MCCUE 34
30.05 ALYSON CHICK 34

• 100 M. FREESTYLE

57.35 S. NEILSON-BELL 88
59.14 D GRANER GALLAS 33
1:02.14 MARY B KAVANEY 31
1:03.79 KIMBERLY ELSBACH 34
1:04.66 LIESA BENN 32
1:04.83 MYLA J HOULIHAN 33
1:05.04 K GMYTRASIEWIC 31
1:05.28 MICHELE F SEARER 30
1:05.38 MARIKA MC CUE 34
1:05.52 JOAN A SCHRIGER 32
1:05.72 KRISTEN CORBETT 31

• 200 M. FREESTYLE

2:04.64 K PIPES-NEILSEN 96
2:09.05 D GRANER GALLAS 33
2:15.06 T CHILDRESS-BROWN 33
2:16.41 CAROLYN GRAVES 32
2:19.35 DONNA JOHNSON 30
2:19.71 LAURIE HUG 32
2:19.96 LOUISE BUCKLEY 30
2:21.17 MYLA J HOULIHAN 33
2:22.92 DAWN HEWITT 32
2:24.26 LORI SCHMIDT 34
2:25.30 SACHI SAWAMURA 31
• 400 M. FREESTYLE
4:22.70 K PIPES-NEILSEN 96
4:44.14 SUSIE DEVLIN 30
4:48.19 CAROLYN GRAVES 32
4:48.66 DONNA JOHNSON 30

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

2:38.71 SUSIE DEVLIN 30	10:35.04 PENNY BATES 36	2:50.26 K PIPES-NEILSEN 97	5:58.61 LESLIE J HENSHAW 37
2:39.59 S MUNATONES 33	10:37.60 LAURA KESSLER 37	2:50.26 K PIPES-NEILSEN 35	6:08.83 EILEEN FAGAN 36
2:39.75 T CHILDRESS-BROWN 33	10:43.05 AMY POPE 37	2:58.72 MAUDE ORLANDO 35	6:08.93 TRACY LARSON 35
2:39.82 CHERYL BARABY 33	10:43.63 LESLIE J HENSHAW 38	3:03.65 COKIE LEPINSKI 38	6:18.71 TRACY GRILLI 39
2:40.54 CAROLYN GRAVES 32	10:48.77 SHARON L BLAHA 37	3:03.69 ANDREA DEVUONO 35	6:18.97 JUDY BABLOK 35
2:42.40 SACHI SAWAMURA 31	1500 M. FREESTYLE	3:04.51 BETH SCHEIMANN 35	6:27.74 JULIE BICKEL 36
2:42.51 MONICA BARRY 33	17:43.10 BETH KNIGHT 94	3:05.15 TONYA BERG 37	
2:42.96 DAWN HEWITT 32	17:50.06 K PIPES-NEILSEN 35	3:06.85 ABIGAIL FALK 36	WOMEN 40-44
400 M. INDIVIDUAL MEDLEY	18:44.86 DEBORAH ZIMIC 35	3:07.24 PENNY BATES 36	
4:53.85 K PIPES-NEILSEN 96	19:00.44 MARGUERITE MEYER 38	3:08.46 DIANNA TATE 36	50 M. FREESTYLE
5:32.82 LAURIE HUG 32	19:44.15 J NIEVERGELT 37	3:08.54 BETTYANN LEVINE 39	26.66 S.NEILSON-BELL 96
5:37.84 S MUNATONES 33	19:59.58 PENNY BATES 36	50 M. BUTTERFLY	29.29 PAM DRAFTS 40
5:39.30 DONNA JOHNSON 30	20:03.23 AMY POPE 37	29.87 K PIPES-NEILSEN 97	29.88 KARLENE WISE 44
5:46.99 MYLA J HOULIHAN 33	20:29.20 LAURA KESSLER 37	29.87 K PIPES-NEILSEN 35	29.96 DANIELLE OGIER 44
5:50.59 JANE ROCKWELL 33	20:52.92 LESLIE J HENSHAW 37	31.16 CATHY SHONKWILER 37	30.13 MARY ANN STEVENS 44
5:58.11 MARY LLEW ANDERS 34	21:20.30 CAROLE FUNK 37	31.88 KATHY REMILLARD 37	30.67 LESLIE ULEN 40
6:02.90 NANCY THOMSON 33	21:30.88 SARAH HOAGLAND 35	32.93 CINDY WATTS 36	30.81 BARBARA HELD 44
6:06.31 VIOLETTA ACOSTA 33	50 M. BACKSTROKE	33.30 SUSANNE SIMPSON 37	30.91 MARILYN FINK 43
6:18.80 GIGI BAKER 32	31.06 K PIPES-NEILSEN 97	33.33 BARBARA HARRIS 37	31.52 JUDY B TIBMA 41
6:38.47 CYNTHIA HIRST 34	31.06 K PIPES-NEILSEN 35	33.37 JILL SPRINGER 38	31.83 TRACY GRILLI 40
	32.82 VIBEKE SWANSON 35	33.39 ARLENE HOUSE 35	31.86 K NISLEY-BLACK 42
	33.19 CATHY SHONKWILER 37	33.40 JANICE D PRICE 39	100 M. FREESTYLE
	33.53 LAURIE P VIDAL 35	33.47 NANCY J ROSE 36	59.83 S.NEILSON-BELL 96
	34.62 KATHY REMILLARD 37	100 M. BUTTERFLY	1:06.64 JACKI HIRSTY 44
	34.94 CINDY WATTS 36	1:03.29 K PIPES-NEILSEN 97	1:07.35 PAM DRAFTS 40
	35.06 TRACY LARSON 35	1:03.29 K PIPES-NEILSEN 35	1:07.44 LESLIE ULEN 40
	36.13 KIM GOODWIN 39	1:06.46 JILL S HERNANDEZ 37	1:07.58 KARLENE WISE 44
	36.26 CAROLYN MATTHEWS 35	1:12.12 CATHY SHONKWILER 37	1:07.85 BARBARA HANDLER 40
	36.26 DEBBIE CAVANAUGH 39	1:12.32 MARGEE C CURRAN 36	1:10.93 JUDY W BRACKEN 40
	100 M. BACKSTROKE	1:12.76 KATHY REMILLARD 37	1:11.37 K NISLEY-BLACK 41
	1:03.56 K PIPES-NEILSEN 97	1:12.92 DEBORAH ZIMIC 35	1:11.76 HELEN CANE 42
	1:03.56 K PIPES-NEILSEN 35	1:14.24 SUSANNE SIMPSON 37	1:11.83 DEBORAH G LENNOX 42
	1:09.72 VIBEKE SWANSON 38	1:15.36 AMY POPE 37	1:11.89 LINDA SCHYMIK 40
	1:10.15 LAURIE P VIDAL 35	1:16.01 NANCY J ROSE 36	200 M. FREESTYLE
	1:15.58 TRACY LARSON 35	1:16.26 PENNY BATES 35	2:14.14 LAURA VAL 95
	1:17.82 KATHY REMILLARD 37	200 M. BUTTERFLY	2:21.55 DANIELLE OGIER 44
	1:18.25 SUSAN BLATTNER 39	2:18.41 K PIPES-NEILSEN 97	2:26.09 BARBARA HELD 44
	1:18.81 JILL SPRINGER 38	2:18.41 K PIPES-NEILSEN 35	2:28.82 TRACY GRILLI 40
	1:18.96 DEBBIE CAVANAUGH 39	2:25.06 JILL S HERNANDEZ 37	2:29.53 KARLENE WISE 44
	1:19.89 KIM GOODWIN 39	2:43.42 NANCY J ROSE 36	2:30.01 CINDY S LEE 40
	1:23.19 COKIE LEPINSKI 38	2:46.42 ANDREA DEVUONO 35	2:30.67 PAM MARTIN 40
	200 M. BACKSTROKE	2:50.33 ARLENE HOUSE 35	2:32.56 N STEADMAN-MARTIN 43
	2:14.10 K PIPES-NEILSEN 97	2:52.33 PENNY BATES 36	2:33.05 PAM DRAFTS 40
	2:14.10 K PIPES-NEILSEN 35	2:57.41 MARGUERITE MEYER 38	2:35.89 BARBARA PROTZMAN 42
	2:31.88 VIBEKE SWANSON 35	3:00.53 LESLIE J HENSHAW 38	2:36.70 MARY SWEAT 40
	2:33.27 ANDREA DEVUONO 35	3:06.71 JUDY BABLOK 35	400 M. FREESTYLE
	2:35.05 KATHERINE BRANCH 39	3:14.05 JOAN STARK 36	4:42.94 LAURA VAL 95
	2:48.88 PENNY BATES 36	3:14.05 DEBBIE KEMP 36	4:54.47 KATHERINE BRANCH 40
	2:50.70 JUDY BABLOK 35	100 M. INDIVIDUAL MEDLEY	4:55.65 JANE ZIEGLER 43
	2:50.82 CAROLE FUNK 37	1:06.57 K PIPES-NEILSEN 97	4:59.57 DANIELLE OGIER 44
	2:52.08 JOAN STARK 36	1:06.57 K PIPES-NEILSEN 35	5:01.63 CHARLENE O'BRIEN 40
	2:54.22 SUSAN BLATTNER 39	1:10.24 JILL S HERNANDEZ 37	5:12.98 TRACY GRILLI 40
	2:54.22 DEBBIE CAVANAUGH 39	1:10.95 LAURIE P VIDAL 35	5:15.29 CINDY S LEE 40
	50 M. BREASTSTROKE	1:12.29 VIBEKE SWANSON 35	5:16.26 KARLENE WISE 44
	34.63 LESLIE OSBORNE 89	1:15.82 BETH SCHEIMANN 35	5:20.22 JACKI HIRSTY 44
	35.94 K PIPES-NEILSEN 35	1:16.68 MELINDA SCHMITT 38	5:26.19 MARY SWEAT 40
	37.37 BETH SCHEIMANN 35	1:16.72 WENDY RYAN 39	5:31.06 K NISLEY-BLACK 41
	37.94 WENDY RYAN 39	1:16.85 AMY POPE 37	800 M. FREESTYLE
	38.58 MAUD E ORLANDO 35	1:17.19 KATHY REMILLARD 37	10:03.82 DANIELLE OGIER 96
	39.27 COKIE LEPINSKI 38	1:17.32 COKIE LEPINSKI 38	10:06.95 KATHERINE BRANCH 40
	39.45 LAURA KESSLER 37	200 M. INDIVIDUAL MEDLEY	11:02.83 MARY SWEAT 40
	39.98 JANICE D PRICE 39	2:23.15 K PIPES-NEILSEN 97	11:04.23 LESLIE ULEN 40
	40.18 TONYA BERG 37	2:23.15 K PIPES-NEILSEN 35	11:05.95 TRACY GRILLI 40
	40.38 PETRIE QUIGLEY 35	2:25.39 JILL S HERNANDEZ 37	11:12.54 PHYLLIS E QUINN 42
	40.46 DEBRA DEL NERO 37	2:31.08 LAURIE P VIDAL 35	11:16.81 KARLENE WISE 44
	100 M. BREASTSTROKE	2:35.68 VIBEKE SWANSON 35	11:17.26 PAM BECK 40
	1:15.65 K PIPES-NEILSEN 97	2:37.83 DEBORAH ZIMIC 35	11:27.41 LAURIE COTTER 41
	1:15.65 K PIPES-NEILSEN 35	2:44.35 PENNY BATES 35	11:28.92 JO ANN HARRELSON 41
	1:22.23 MAUDE ORLANDO 35	2:47.59 MAUDE ORLANDO 35	11:32.90 PAM GEIGER 44
	1:23.49 COKIE LEPINSKI 38	2:48.04 MELINDA SCHMITT 38	1500 M. FREESTYLE
	1:24.14 WENDY RYAN 39	2:48.38 D STOLTKRICHKO 37	18:59.45 KATHERINE BRANCH 97
	1:24.61 BETH SCHEIMANN 35	2:49.36 BETTYANN LEVINE 39	18:59.45 KATHERINE BRANCH 40
	1:25.82 TONYA BERG 37	400 M. INDIVIDUAL MEDLEY	20:51.70 PHYLLIS E QUINN 42
	1:26.39 LIZ BURCHETT 35	4:52.85 K PIPES-NEILSEN 97	20:53.67 TRACY GRILLI 40
	1:27.32 BETTYANN LEVINE 39	4:52.83 K PIPES-NEILSEN 35NV	21:08.08 KARLENE WISE 44
	1:28.87 ABIGAIL FALK 36	5:17.59 JILL S HERNANDEZ 37	21:11.53 LO KNAPP 43
	1:29.23 KIM GOODWIN 39	5:43.13 NANCY J ROSE 36	21:50.51 JO ANN HARRELSON 41
	200 M. BREASTSTROKE	5:49.84 PENNY BATES 36	22:00.72 PAM DRAFTS 40

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

22:02.10 PAM GEIGER 44	32.34 MARY ANN STEVENS 44	31.98 P KAWAKAMI 46	40.55 VIRGINIA LANGMUIR 45
22:33.47 CHRISTIE CIRAULO 44	32.54 MELINDA MANN 41	32.22 JONELLE SCHMIDT 46	• 100 M. BACKSTROKE
23:20.84 JUDY STRAUSS 43	32.56 DEBBIE FLANSBURG 41	32.35 DEBBIE BRADBURY 46	1:12.38 LAURA VAL 97
• 50 M. BACKSTROKE	32.85 JENNIFER LUKER 41	32.46 MARY LIOTTA 45	1:12.38 LAURA B VAL 45
31.55 LAURA VAL 93	32.92 KARLENE WISE 44	32.55 VIRGINIA LANGMUIR 45	1:19.51 BARB GUNDRED 46
33.65 JANE ZIEGLER 43	33.24 LESLIE ULEN 40	32.64 ANN LYTTLE 49	1:20.36 DENISE KIRWAN 45
34.55 ANN GUINS 44	33.57 BARBARA HELD 44	32.64 CHRISTIE ALTMAN 48	1:22.97 CANDY KANE 45
34.84 LESLIE ULEN 40	34.27 CAROL PFLUGHEBER 44	• 100 M. FREESTYLE	1:23.20 BONNIE ADAIR 45
35.81 CAROL PFLUGHEBER 44	35.12 PAM BECK 40	1:02.37 LAURA VAL 97	1:25.06 VIRGINIA LANGMUIR 45
35.84 KARLENE WISE 44	• 100 M. BUTTERFLY	1:02.37 LAURA B VAL 45	1:26.63 KATHRINE CASEY 49
36.27 MARY ANN STEVENS 44	1:06.86 LAURA VAL 93	1:02.56 JACKI HIRSTY 45	1:28.13 VICKI SERIANNI 46
36.36 CINDY S LEE 40	1:11.54 CHARLENE O'BRIEN 40	1:04.45 DANIELLE OGIER 45	1:28.25 EILEEN CRAFFEY 45
36.53 MARILYN FINK 43	1:14.85 BARBARA HELD 44	1:08.74 R BRITTINGHAM 46	1:30.44 MARCIA BARRY 49
36.64 TRACY GRILLI 40	1:15.43 KATHERINE BRANCH 40	1:08.84 JONELLE SCHMIDT 46	• 200 M. BACKSTROKE
38.45 LINDA SCHYMIK 40	1:16.83 KARLENE WISE 44	1:10.57 BARBARA DUNBAR 48	2:36.79 CECILIA MCCLOSKEY 97
• 100 M. BACKSTROKE	1:18.08 LESLIE ULEN 40	1:11.36 ANN LYTTLE 49	2:36.79 CECILIA MCCLOSKEY 47
1:10.45 LAURA VAL 95	1:20.27 CAROL PFLUGHEBER 44	1:11.77 PAM O'NEILL 47	2:50.65 DENISE KIRWAN 45
1:12.13 JANE ZIEGLER 43	1:21.31 CHRISTIE CIRAULO 44	1:11.92 CANDY KANE 45	2:50.94 BARB GUNDRED 46
1:14.87 PATTY LANDERS 41	1:21.76 PAM BECK 40	1:11.95 VIRGINIA LANGMUIR 45	2:55.75 JONELLE SCHMIDT 46
1:16.63 CINDY S LEE 40	1:21.87 N STEADMAN-MARTIN 43	• 200 M. FREESTYLE	2:57.85 BONNIE ADAIR 45
1:17.32 LESLIE ULEN 40	1:21.90 JOANNE WAINWRIGHT 42	2:16.83 LAURA VAL 97	2:58.14 CANDY KANE 45
1:19.35 KARLENE WISE 44	• 200 M. BUTTERFLY	2:16.83 LAURA B VAL 45	3:03.85 KATHRINE CASEY 49
1:19.55 N STEADMAN-MARTIN 43	2:29.19 LAURA VAL 93	2:19.33 JACKI HIRSTY 45	3:09.22 R BRITTINGHAM 46
1:20.60 MARILYN FINK 43	2:33.26 DEBBIE FLANSBURG 41	2:19.99 DANIELLE OGIER 45	3:11.02 VICKI SERIANNI 46
1:20.61 ANN GUINS 44	2:37.51 CHARLENE O'BRIEN 40	2:32.93 JONELLE SCHMIDT 46	3:12.28 CHRIS S WEBER 49
1:21.41 K NISLEY-BLACK 42	2:39.19 MARY ANN STEVENS 44	2:36.62 ANN LYTTLE 49	• 50 M. BREASTSTROKE
1:23.66 D ALSTONWRIGHT 44	2:55.22 KARLENE WISE 44	2:36.82 SHERRY KITTRELL 45	38.12 A WRIGHT-BELKNAT 96
• 200 M. BACKSTROKE	2:58.21 JOANNE WAINWRIGHT 42	2:39.14 MARCIA BARRY 49	38.52 DANIELLE OGIER 45
2:34.04 LAURA VAL 95	2:58.71 N STEADMAN-MARTIN 43	2:39.23 R BRITTINGHAM 46	40.53 CATHY IMWALLE 47
2:34.62 KATHERINE BRANCH 40	3:03.98 SANDY POWERS 41	2:39.61 DEBBIE BRADBURY 46	41.67 MARY LIOTTA 45
2:44.98 MARY ANN STEVENS 44	3:15.69 CHRISTIE CIRAULO 44	2:42.46 CANDY KANE 45	41.73 MEEGAN WILSON 48
2:48.14 LESLIE A ULEN 40	3:15.75 REBECCA A PINTO 42	• 400 M. FREESTYLE	41.83 KATHRINE CASEY 48
2:48.74 CHARLENE O'BRIEN 40	3:22.27 PHYLLIS E QUINN 42	4:51.77 LAURA VAL 97	42.28 HOLLY MACMURRAY 46
2:54.06 KARLENE WISE 44	• 100 M. INDIVIDUAL MEDLEY	4:51.77 LAURA B VAL 45	42.65 P PAGLIARULO 47
2:55.25 CAROL PFLUGHEBER 44	1:11.65 LAURA VAL 92	4:53.82 DANIELLE OGIER 45	42.87 CHRISTIE HAYES 49
2:56.55 MELINDA GRIEG 40	1:14.16 DANIELLE OGIER 44	4:58.53 JACKI HIRSTY 45	44.27 SUSAN MAGUIRE 48
2:57.32 N STEADMAN-MARTIN 43	1:17.26 MARY ANN STEVENS 44	5:08.90 BARBARA DUNBAR 48	44.51 KATHERINE K BASS 45
3:00.01 ANN GUINS 44	1:17.69 PAM DRAFTS 40	5:32.07 ANN LYTTLE 49	• 100 M. BREASTSTROKE
3:03.64 STEPHANIE KESSLER 40	1:17.95 PAM MARTIN 40	5:32.93 BARB GUNDRED 46	1:23.20 DEB WALKER 96
• 50 M. BREASTSTROKE	1:18.23 MELINDA GRIEG 40	5:33.71 MARCIA BARRY 49	1:23.66 DANIELLE OGIER 45
37.21 LISA BENNETT 96	1:18.30 KARLENE WISE 44	5:57.27 VIKI ALTOMONTE 46	1:28.09 CATHY IMWALLE 47
37.63 MELINDA MANN 41	1:18.83 JUDY B TIBMA 41	5:59.21 PHYLLIS SPRINGER 48	1:29.93 HOLLY MACMURRAY 46
39.02 PAM DRAFTS 40	1:19.42 TRACY GRILLI 40	6:13.79 KATHRINE CASEY 49	1:32.31 CHRISTIE HAYES 49
41.15 AMY COOLEY 40	1:20.84 JACKI HIRSTY 44	• 800 M. FREESTYLE	1:32.52 MEEGAN WILSON 48
41.64 JEAN TRACY 43	1:22.64 JEANNIE L HARRIS 44	10:08.72 DANIELLE OGIER 97	1:32.63 P PAGLIARULO 47
41.97 PAM MARTIN 40	• 200 M. INDIVIDUAL MEDLEY	10:08.72 DANIELLE OGIER 45	1:34.70 MARY LIOTTA 45
42.12 SUSAN LIPSEY 40	2:33.89 LAURA VAL 92	10:19.62 CELESTE MILLER 47	1:35.82 KATHRINE CASEY 48
42.25 MARY ANDERSON 43	2:40.59 DANIELLE OGIER 44	10:32.50 BARBARA DUNBAR 48	1:36.68 SUSAN MAGUIRE 48
42.36 PATRICIA HORTON 41	2:46.95 CINDY S LEE 40	11:15.90 SHERRY KITTRELL 45	1:37.72 KATHERINE K BASS 45
42.58 K NISLEY-BLACK 42	2:49.27 PATTY LANDERS 41	11:20.09 MARCIA BARRY 49	• 200 M. BREASTSTROKE
42.83 ANNE COLEY 42	2:51.40 KARLENE WISE 44	11:24.68 LYN LEMAIRE 46	3:00.27 DANIELLE OGIER 97
• 100 M. BREASTSTROKE	2:51.51 MELINDA GRIEG 40	12:04.25 CANDY KANE 45	3:00.27 DANIELLE OGIER 45
1:21.44 JUDY TIBMA 96	2:51.67 TRACY GRILLI 40	12:26.55 KATHRINE CASEY 49	3:11.55 CATHY IMWALLE 47
1:23.52 MELINDA MANN 41	2:54.69 BARBARA HANDLER 40	12:33.04 CHRISTINE ZIMMET 49	3:14.95 HOLLY MACMURRAY 46
1:25.59 JUDY B TIBMA 41	2:55.47 PAM BECK 40	12:45.70 JOAN MAGAT 49	3:16.86 MEEGAN WILSON 48
1:26.80 LO KNAPP 43	2:56.09 JOANNE WAINWRIGHT 42	• 1500 M. FREESTYLE	3:23.21 P PAGLIARULO 47
1:26.85 PAM DRAFTS 40	3:01.92 ROSEMARY BENSON 41	19:14.97 BARBARA DUNBAR 96	3:26.12 SUSAN MAGUIRE 48
1:32.31 DIANE ROTHENBERG 44	• 400 M. INDIVIDUAL MEDLEY	19:38.61 DANIELLE OGIER 45	3:29.86 EILEEN CRAFFEY 46
1:33.05 MARY ANDERSON 43	5:32.53 LAURA VAL 92	19:56.81 BARBARA DUNBAR 48	3:32.12 LINDA CARSTENS 45
1:33.14 SUSAN LIPSEY 40	6:08.03 KARLENE WISE 44	20:57.25 LYN LEMAIRE 46	3:32.47 KATHRINE CASEY 49
1:33.57 ROSEMARY BENSON 41	6:18.29 N STEADMAN-MARTIN 43	21:11.84 SHERRY KITTRELL 45	3:38.87 CATHERINE BROOKS 48
1:33.94 PAMELA J WOLF 44	6:22.77 JOANNE WAINWRIGHT 42	22:03.64 MARCIA BARRY 49	• 50 M. BUTTERFLY
1:34.13 PAM ALLEN 41	6:27.50 PHYLLIS E QUINN 42	22:50.94 R BRITTINGHAM 46	31.15 LARUA VAL 97
• 200 M. BREASTSTROKE	6:41.34 STEPHANIE KESSLER 40	23:04.69 PHYLLIS SPRINGER 48	31.15 LAURA B VAL 45
2:54.12 GAYLE BENTY 92	6:41.35 ANITA M WALKER 40	23:20.59 KATHRINE CASEY 49	34.01 R BRITTINGHAM 46
3:04.44 MELINDA MANN 41	6:55.39 KATRYN JAMES 42	23:36.85 CHRISTINE ZIMMET 49	34.50 BONNIE ADAIR 45
3:08.51 PAM DRAFTS 40	7:09.61 JESSICA SEATON 44	25:03.24 JACKLYN N LITMAN 47	35.24 BARBARA DUNBAR 48
3:16.67 DIANE ROTHENBERG 44	7:23.33 LANI DOELY 40	• 50 M. BACKSTROKE	36.24 DALE WILLIAMS 45
3:18.21 PAM ALLEN 41	7:26.83 BEVERLY B BICKELL 44	32.74 LAURA VAL 97	36.87 LYN LEMAIRE 46
3:20.63 K NISLEY-BLACK 42		32.74 LAURA B VAL 45	37.08 CHRISTIE ALTMAN 48
3:22.99 DEBBIE WALKER 44	WOMEN 45-49	37.54 DENISE KIRWAN 45	37.34 CHERYL FITZGERALD 45
3:23.80 PATRICIA HORTON 41		37.84 SUSAN MAGUIRE 48	37.36 VIRGINIA LANGMUIR 45
3:23.86 JESSICA SEATON 44	• 50 M. FREESTYLE	37.88 CANDY KANE 45	37.53 DEBBIE BRADBURY 46
3:27.94 ANITA M WALKER 40	28.37 JACKI HIRSTY 97	38.28 R BRITTINGHAM 46	• 100 M. BUTTERFLY
3:28.80 PATRICIA TIMMINS 43	28.37 JACKI HIRSTY 45	39.62 EILEEN CRAFFEY 45	1:09.30 LAURA VAL 97
• 50 M. BUTTERFLY	28.65 LAURA B VAL 45	40.29 HOLLY MACMURRAY 46	1:09.30 LAURA B VAL 45
30.17 LAURA VAL 95	30.98 R BRITTINGHAM 46	40.44 CAROL N GUNDERSEN 49	1:16.21 CECILIA MCCLOSKEY 47
32.12 CHARLENE O'BRIEN 40	31.40 COLNY TUCKER 46	40.50 KATHRINE CASEY 48	1:16.45 BARBARA DUNBAR 48

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

1:19.79 R BRITTINGHAM 46	1:22.59 VICKI BUCCINO 51	3:04.03 RUTH Y SHAPS 50	4:07.95 FREDERICKA RAPP 53
1:20.74 MARION MILNER 46	1:23.28 KAY TURNER 50	3:07.75 MARY POHLMANN 52	4:10.15 AMY SEXSMITH 50
1:22.95 LYN LEMAIRE 46	1:24.62 FREDERICKA RAPP 53	3:08.88 SUZANNE DILLS 52	4:16.21 TRISH LEWIS 52
1:26.53 DALE WILLIAMS 45	1:25.94 CANDY CHRISTENSON 50	3:09.91 JANE KATZ 54	6:34.71 KITTY KESSLER 54
1:27.96 SHERRY KITTRELL 45	• 200 M. FREESTYLE	3:12.26 JEANNIE MITCHELL 51	• 100 M. INDIVIDUAL MEDLEY
1:29.96 DEBBIE BRADBURY 46	2:28.85 ARDETH MUELLER 91	3:21.84 GINGER PIERSON 51	1:18.05 ARDETH MUELLER 91
1:31.48 CHRIS S WEBER 49	2:41.51 JACKIE MARR 54	3:23.46 EDITH JACOBSEN 50	1:23.57 GINGER PIERSON 51
• 200 M. BUTTERFLY	2:41.84 SALLY DILLON 51	3:25.56 JUDY MARTIN 54	1:24.32 JACKIE MARR 54
2:33.70 LAURA VAL 97	2:50.22 EVELYN HAUSBERGER 52	3:30.08 ANN SVANSON 51	1:28.49 SUZANNE DILLS 52
2:33.70 LAURA B VAL 45	2:50.50 RUTH BENNETT 50	3:42.07 FREDERICKA RAPP 53	1:31.65 JEANNIE MITCHELL 51
3:11.50 CHERYL FITZGERALD 45	2:57.73 VICKI BUCCINO 51	• 50 M. BREASTSTROKE	1:31.77 LINDA MCHENRY 50
3:14.42 VIKI ALTOMONTE 46	3:00.61 KAY TURNER 50	39.24 CAROLYN BOAK 95	1:31.77 TRISH KIMPER 50
3:16.86 R BRITTINGHAM 46	3:08.93 FREDERICKA RAPP 52	40.28 ELAINE BROMWICH 54	1:32.12 ANN SVANSON 51
3:43.20 CATHERINE BROOKS 48	3:11.61 MARCIA HILL 52	40.95 GINGER PIERSON 51	1:32.71 MARGOT PETTIJOHN 50
3:45.36 SANDRA CATHEY 48	3:13.48 CHRIS GILLIGAN 54	44.53 CANDY CHRISTENSON 50	1:33.11 KATHLEEN SLIFER 51
3:45.79 VICKI SERIANNI 46	3:19.84 SUE CALNEK 54	44.85 MAUREEN KIKUT 53	1:34.46 PINKY WALKER 54
3:52.15 LINDA MARIZ 48	• 400 M. FREESTYLE	46.05 MARY SIBBERS 52	• 200 M. INDIVIDUAL MEDLEY
4:13.02 KATHERINE WATSON 49	5:12.43 ARDETH MUELLER 91	46.34 SUSAN ELLIS 50	2:52.74 CAROLYN BOAK 96
4:20.27 MARIE VELLUCCI 48	5:41.02 SALLY DILLON 51	46.63 JILL BEAL 51	3:02.11 JACKIE MARR 54
• 100 M. INDIVIDUAL MEDLEY	5:46.28 JACKIE MARR 54	47.22 JUDY MARTIN 54	3:05.51 GINGER PIERSON 51
1:11.82 LAURA VAL 97	6:07.40 EVELYN HAUSBERGER 52	47.40 DIANA LEAKE 51	3:07.70 SUZANNE DILLS 52
1:11.82 LAURA B VAL 45	6:14.08 VICKI BUCCINO 51	48.55 KATHLEEN SLIFER 51	3:14.35 ELAINE BROMWICH 54
1:12.93 DANIELLE OGIER 45	6:17.35 KAY TURNER 50	• 100 M. BREASTSTROKE	3:19.58 JANE KATZ 54
1:19.03 BONNIE ADAIR 45	6:17.87 ANN SVANSON 51	1:25.80 GINGER PIERSON 96	3:27.04 ANN SVANSON 51
1:19.67 DENISE KIRWAN 45	6:25.24 JEANNIE MITCHELL 50	1:28.00 GINGER PIERSON 50	3:28.71 PINKY WALKER 54
1:21.39 JONELLE SCHMIDT 46	6:30.62 ANNE L BOTSFORD 54	1:33.71 MARGOT PETTIJOHN 50	3:35.28 KATHLEEN SLIFER 52
1:21.40 CATHY IMWALLE 47	6:37.29 EDITH JACOBSEN 50	1:36.23 SALLY DILLON 51	3:36.75 VICKI BUCCINO 51
1:23.14 BARBARA DUNBAR 48	6:43.82 FREDERICKA RAPP 53	1:41.08 MARY SIBBERS 52	3:38.17 KAY TURNER 50
1:24.77 HOLLY MACMURRAY 46	• 800 M. FREESTYLE	1:42.06 CANDY CHRISTENSON 50	• 400 M. INDIVIDUAL MEDLEY
1:27.20 VIRGINIA LANGMUIR 45	11:07.78 CAROLYN BOAK 96	1:42.33 SUSAN ELLIS 50	5:56.24 ARDETH MUELLER 91
1:28.62 DALE WILLIAMS 45	11:49.39 SALLY DILLON 51	1:44.52 JILL BEAL 51	6:34.61 JACKIE MARR 54
• 200 M. INDIVIDUAL MEDLEY	12:22.58 ELAINE BROMWICH 54	1:44.63 PAMELA HIMSTREET 54	6:37.91 GINGER PIERSON 51
2:37.59 LAURA VAL 97	12:58.94 VICKI BUCCINO 51	1:46.68 CAROLYN BEHSE 54	7:02.31 EDITH JACOBSEN 50
2:37.59 LAURA B VAL 45	13:12.74 KAY TURNER 50	1:47.99 LINDA TEPE 50	7:08.85 EVELYN HAUSBERGER 52
2:39.73 DANIELLE OGIER 45	13:45.42 FREDERICKA RAPP 53	• 200 M. BREASTSTROKE	7:13.47 ANN SVANSON 51
2:52.37 BARBARA DUNBAR 48	13:54.10 PAMELA HIMSTREET 53	3:08.06 GINGER PIERSON 96	7:27.33 BARBARA LARSEN 50
2:59.16 CATHY IMWALLE 47	14:22.70 BARBARA LARSEN 50	3:12.08 GINGER PIERSON 50	7:36.86 PAMELA HIMSTREET 54
3:03.87 CANDY KANE 45	14:25.14 LOIS GOODMAN 50	3:21.72 MARGOT PETTIJOHN 50	7:40.14 PEGGY LEONG 53
3:07.89 MARION MILNER 46	14:52.38 DIANA TUCKER 50	3:27.94 JACKIE MARR 54	7:45.55 ANNE L BOTSFORD 54
3:08.63 CHRIS S WEBER 49	15:16.96 LYNN CLEMENTS 52	3:40.84 PAMELA HIMSTREET 54	7:48.10 TRISH LEWIS 52
3:11.75 CHERYL FITZGERALD 45	• 1500 M. FREESTYLE	3:42.76 SUSAN ELLIS 50	
3:14.37 DALE WILLIAMS 45	21:22.26 CAROLYN BOAK 95	3:45.17 KATHLEEN SLIFER 52	WOMEN 55-59
3:14.97 SUSAN MAGUIRE 48	22:15.24 SALLY DILLON 51	3:49.16 EDITH JACOBSEN 50	• 50 M. FREESTYLE
• 400 M. INDIVIDUAL MEDLEY	23:19.95 MARY POHLMANN 52	3:55.43 LINDA TEPE 50	30.37 ARDETH MUELLER 96
5:43.48 DANIELLE OGIER 97	23:29.22 ELAINE BROMWICH 54	4:07.72 J VALLANDIGHAM 51	32.22 NANCY J RIDOUT 55
5:43.48 DANIELLE OGIER 45	24:16.99 MARY SIBBERS 52	4:08.06 BUNNY ADLER 53	36.03 CLAIRE O'BRIEN 58
6:03.51 BARBARA DUNBAR 48	24:35.05 ANN SVANSON 51	• 50 M. BUTTERFLY	37.43 LYNNE LUND 56
6:26.87 BONNIE ADAIR 45	24:37.21 VICKI BUCCINO 51	33.85 DIANA TODD 94	37.88 SUSAN MEYERS 55
6:31.98 CANDY KANE 45	26:21.26 FREDERICKA RAPP 53	37.90 ANN SVANSON 51	38.58 CEIL BLACKWELL 57
6:36.02 CHERYL FITZGERALD 45	26:58.48 LOIS GOODMAN 50	38.37 GINGER PIERSON 51	38.87 SALLY LACY 58
6:38.32 SHERRY KITTRELL 45	27:02.44 MARLA MOSELEY 50	38.65 B EDELMAIER 50	40.42 NORMA OHSBERG 59
6:39.47 CHRIS S WEBER 49	27:33.60 BARBARA LARSEN 50	39.78 SUZANNE DILLS 52	40.74 BARBARA SEATON 59
6:56.08 VIRGINIA LANGMUIR 45	• 50 M. BACKSTROKE	40.20 ANNE L BOTSFORD 54	41.89 MARIAN COAKLEY 59
6:56.11 KATHRINE CASEY 49	36.49 MIMI FRANK 97	41.78 DIANA LEAKE 51	42.68 BETTY KRUPKA 59
7:02.01 SANDRA CATHEY 48	36.49 MIMI FRANK 50	42.36 MARY POHLMANN 52	• 100 M. FREESTYLE
	38.34 RUTH Y SHAPS 50	42.50 JEANNIE MITCHELL 51	1:11.63 JAYNE BRUNER 89
WOMEN 50-54	40.14 JEANNIE MITCHELL 50	42.95 KATHLEEN SLIFER 51	1:11.63 ARDETH MUELLER 56
• 50 M. FREESTYLE	40.79 MARY POHLMANN 52	45.19 EVELYN HAUSBERGER 53	1:12.31 NANCY J RIDOUT 55
30.48 NANCY RIDOUT 92	41.04 JANE KATZ 54	• 100 M. BUTTERFLY	1:19.68 CLAIRE O'BRIEN 58
32.12 RUTH Y SHAPS 50	41.94 GINGER PIERSON 51	1:12.66 ARDETH MUELLER 91	1:25.87 LYNNE LUND 56
32.76 JACKIE MARR 54	42.03 PINKY WALKER 54	1:28.69 GINGER PIERSON 51	1:26.35 PINKY WALKER 55
33.04 TRISH KIMPER 50	42.25 ANNE L BOTSFORD 54	1:35.79 ANNE L BOTSFORD 54	1:27.39 SALLY LACY 58
33.68 LINDA MCHENRY 50	42.34 EVELYN HAUSBERGER 53	1:36.30 ANN SVANSON 51	1:27.77 CEIL BLACKWELL 57
33.83 SALLY DILLON 51	43.17 JUDY MARTIN 54	1:40.98 BARBARA LARSEN 50	1:27.81 SANDRA G KINGDON 58
33.91 MIMI FRANK 50	• 100 M. BACKSTROKE	1:45.05 EVELYN HAUSBERGER 52	1:28.13 AAGJE CARON 56
33.96 DIANA LEAKE 51	1:20.50 ARDETH MUELLER 91	1:45.20 LINDA TEPE 50	1:28.99 MARILYN RAMEY 56
34.57 GINGER PIERSON 51	1:21.95 MIMI FRANK 50	1:45.44 CHRISTINE BLAKE 50	• 200 M. FREESTYLE
35.23 ANNE L BOTSFORD 54	1:26.58 JEANNIE MITCHELL 51	1:48.82 PAMELA HIMSTREET 53	2:28.30 ARDETH MUELLER 96
35.48 RUTH BENNETT 50	1:27.39 GINGER PIERSON 51	1:49.86 CAROLYN BEHSE 54	2:34.06 ARDETH MUELLER 56
• 100 M. FREESTYLE	1:29.18 EVELYN HAUSBERGER 52	1:50.41 ANN LOUISE ONTON 54	2:45.55 NANCY J RIDOUT 55
1:06.41 ARDETH MUELLER 91	1:30.91 MARY POHLMANN 52	• 200 M. BUTTERFLY	2:53.72 CLAIRE O'BRIEN 58
1:10.90 JACKIE MARR 54	1:33.29 PINKY WALKER 54	2:55.91 ARDETH MUELLER 95	3:00.63 JAYNE M LAMBKE 58
1:13.19 SALLY DILLON 51	1:34.44 ANN SVANSON 51	3:12.48 GINGER PIERSON 51	3:12.50 AAGJE CARON 56
1:14.44 TRISH KIMPER 50	1:35.69 JUDY MARTIN 54	3:49.93 EVELYN HAUSBERGER 52	3:13.11 SANDRA G KINGDON 58
1:15.09 LINDA MCHENRY 50	1:36.70 CHRIS GILLIGAN 54	3:53.15 PAMELA HIMSTREET 54	3:13.82 LYNNE LUND 57
1:17.35 RUTH BENNETT 50	1:38.08 LUCY JOHNSON 50	3:56.89 EDITH JACOBSEN 50	3:14.41 CAROL SING 56
1:18.99 EVELYN HAUSBERGER 52	• 200 M. BACKSTROKE	4:02.82 RUTH C PETERSON 51	3:18.55 MARYLOU SCHULZ 57
	2:48.88 ARDETH MUELLER 91	4:03.07 ANN LOUISE ONTON 54	

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

3:19.75 MARIE MAINVILLE 56	46.97 ILONA SIKE 56	2:52.43 ARDETH MUELLER 56	14:22.58 DONNA MONROE 63
• 400 M. FREESTYLE	47.62 SUSAN MEYERS 55	3:27.52 LYNNE LUND 57	14:47.29 CAROL LOWENGRUB 60
5:15.91 ARDETH MUELLER 96	49.58 TITA ARNOLD 56	3:32.82 CLAIRE O'BRIEN 58	14:57.63 KATE KNIGHT-PERRY 62
5:18.81 ARDETH MUELLER 56	49.91 AMY JOHNSON 55	3:34.07 SUSAN MEYERS 55	16:51.45 DORIS C PROKOPI 61
5:50.68 NANCY J RИDOUT 55	50.36 CLAIRE O'BRIEN 58	3:34.74 DOROTHY BURKE 57	17:00.90 BARBARA OSOFSKY 60
6:06.15 CLAIRE O'BRIEN 57	50.45 ALICE JONES 59	3:47.89 MARILYN RAMEY 56	17:05.18 NANCY WAITE 64
6:46.38 AAGJE CARON 55	50.65 LYNNE LUND 56	4:00.50 MARYLOU SCHULZ 57	• 1500 M. FREESTYLE
6:49.23 SANDRA G KINGDON 58	• 100 M. BREASTSTROKE	4:09.18 PATRICIA ARNOLD 58	22:54.51 LAVELLE STOINOFF 94
6:51.19 MARIE MAINVILLE 56	1:29.88 JOANN LEILICH 94	4:15.73 KITTY JOHNSTON 55	24:02.61 SUSAN BRADLEY-COX 60
7:11.07 BARBARA BOWER 59	1:30.57 JOANN LEILICH 58	• 400 M. INDIVIDUAL MEDLEY	24:18.49 BETSY JORDAN 60
7:21.84 SANDY STEER 58	1:39.66 DOROTHY BURKE 57	6:39.90 BETSY JORDAN 92	25:42.63 BARBARA ZAREMSKI 60
7:23.01 PRUDY HALL 59	1:40.92 ILONA SIKE 56	7:21.68 LYNNE LUND 57	25:56.55 ANNE MCGUIRE 63
7:28.02 MARYANN MCCLAIN 55	1:45.58 AAGJE CARON 55	7:28.37 DOROTHY BURKE 57	28:14.24 KATE KNIGHT-PERRY 62
• 800 M. FREESTYLE	1:46.24 TITA ARNOLD 56	7:30.00 ELIZABETH JOHNSON 58	30:23.16 MARIE MULCAHY 62
11:29.99 LAVELLE STOINOFF 89	1:47.39 ELIZABETH JOHNSON 58	7:34.57 PINKY WALKER 55	30:40.84 JOYCE M HAWORTH 60
12:06.68 SARAH L BROUGHER 55	1:47.80 MARILYN RAMEY 56	7:51.13 MARILYN RAMEY 57	32:09.41 BARBARA OSOFSKY 60
12:40.81 CLAIRE O'BRIEN 58	1:48.41 BETSY DURRANT 55	8:02.94 CAROL SING 56	32:31.74 NANCY WAITE 64
13:24.19 CAROL SING 56	1:48.58 LYNNE LUND 56	8:10.69 MARYLOU SCHULZ 57	32:49.99 BARBARA A ALLEN 64
13:57.62 SANDRA G KINGDON 58	1:48.81 AMY JOHNSON 55	8:33.98 HELEN GEOFFRION 58	• 50 M. BACKSTROKE
13:58.79 LYNNE LUND 57	• 200 M. BREASTSTROKE	8:37.51 PATRICIA ARNOLD 58	38.74 BETSY JORDAN 97
15:35.46 SANDY STEER 58	3:14.71 JOANN LEILICH 97	8:39.45 INGRID STINE 58	38.74 BETSY JORDAN 60
15:47.63 KITTY JOHNSTON 55	3:14.71 JOANN LEILICH 58		44.13 NANCY BROWN 61
15:47.99 MARY ANN MCCLAIN 56	3:35.89 DOROTHY BURKE 57	WOMEN 60-64	44.91 DORIS KLITZKE 62
17:53.82 DENISE MILLER 59	3:38.02 ILONA SIKE 56		45.07 ANN KAY 63
21:43.70 GAILE HARDEN 57	3:43.52 AAGJE CARON 55	• 50 M. FREESTYLE	45.63 BEVERLY MYERS 61
• 1500 M. FREESTYLE	3:44.63 TITA ARNOLD 56	33.07 JAYNE BRUNER 95	46.49 SUZANNE E ROBBINS 63
21:35.84 LAVELLE STOINOFF 89	3:46.41 ELIZABETH JOHNSON 58	36.00 SUSAN BRADLEY-COX 60	46.80 RONNIE KAMPHAUSEN 63
23:59.78 CLAIRE O'BRIEN 58	3:49.75 LYNNE LUND 57	36.00 BARBARA ZAREMSKI 60	47.51 JUDY KENNEDY 60
25:22.69 CAROL SING 56	3:56.47 AMY JOHNSON 55	36.91 BETSY JORDAN 60	47.96 PATRICIA TULLMAN 60
26:18.20 LYNNE LUND 57	4:10.55 LANA MINNIGERODE 56	36.97 ANN KAY 63	48.82 SUE STRALEY 60
27:00.05 ELIZABETH JOHNSON 58	4:12.43 CAROLYN HAEFNER 57	37.69 NANCY BROWN 61	• 100 M. BACKSTROKE
27:46.04 MARILYN RAMEY 57	• 50 M. BUTTERFLY	38.27 BEVERLY MYERS 62	1:24.16 BETSY JORDAN 97
29:23.80 SANDY STEER 58	33.66 ARDETH MUELLER 97	38.34 SALLY NEWELL 60	1:24.16 BETSY JORDAN 60
29:27.21 EMILY TRUEBLOOD 55	33.66 ARDETH MUELLER 56	38.56 JEAN GARBUS 63	1:34.86 NANCY BROWN 61
29:39.67 MARY ANN MCCLAIN 56	36.17 SARAH L BROUGHER 55	38.65 DORIS KLITZKE 62	1:37.58 ANN KAY 63
29:42.62 HELEN GEOFFRION 58	41.06 LYNNE LUND 57	39.11 PATRICIA TULLMAN 60	1:41.00 BARBARA ZAREMSKI 60
29:46.40 KITTY JOHNSTON 55	42.72 JAYNE M LAMBKE 58	• 100 M. FREESTYLE	1:41.89 BEVERLY MYERS 61
• 50 M. BACKSTROKE	44.39 CLAIRE O'BRIEN 58	1:13.50 JAYNE BRUNER 96	1:43.13 RONNIE KAMPHAUSEN 63
37.92 BETSY JORDAN 92	45.45 SUSAN LIVINGSTON 59	1:20.24 SUSAN BRADLEY-COX 60	1:43.49 PATRICIA TULLMAN 60
41.67 PINKY WALKER 55	47.95 TITA ARNOLD 56	1:21.43 BARBARA ZAREMSKI 60	1:45.54 SUZANNE ROBINS 64
43.24 BETSY DURRANT 55	48.77 ALICE JONES 59	1:23.50 BETSY JORDAN 60	1:50.35 MARIAN COAKLEY 60
43.65 LYNNE LUND 57	49.39 AMY JOHNSON 55	1:24.20 RONNIE KAMPHAUSEN 63	1:53.69 PHILLIS WILSON 64
45.21 CLAIRE O'BRIEN 58	50.15 AAGJE CARON 55	1:24.27 BEVERLY MYERS 61	• 200 M. BACKSTROKE
45.38 CEIL BLACKWELL 57	• 100 M. BUTTERFLY	1:25.45 ANN KAY 63	3:05.27 BETSY JORDAN 97
47.42 SUSAN LIVINGSTON 59	1:18.75 ARDETH MUELLER 97	1:26.35 NANCY BROWN 61	3:05.27 BETSY JORDAN 60
48.03 MARILYN RAMEY 57	1:18.75 ARDETH MUELLER 56	1:28.56 SALLY NEWELL 60	3:26.57 NANCY BROWN 61
49.65 MARIAN COAKLEY 59	1:36.30 LYNNE LUND 57	1:28.94 JEAN GARBUS 63	3:39.23 RONNIE KAMPHAUSEN 63
50.72 SALLY LACY 58	1:56.76 MARILYN RAMEY 56	1:29.40 PATRICIA TULLMAN 60	3:40.07 BEVERLY MYERS 61
51.04 ISABEL LYNDON 57	2:00.01 AAGJE CARON 56	• 200 M. FREESTYLE	3:44.31 PATRICIA TULLMAN 60
• 100 M. BACKSTROKE	2:03.36 INGRID STINE 58	2:39.92 LAVELLE STOINOFF 93	3:47.40 BARBARA ZAREMSKI 60
1:21.90 BETSY JORDAN 92	2:03.78 JEANNINE OLSON 57	2:55.73 SUSAN BRADLEY-COX 60	3:50.50 JUDY KENNEDY 60
1:29.60 SARAH L BROUGHER 55	2:03.85 LYNNE DE VICTORIA 55	2:57.19 BETSY JORDAN 60	3:52.63 PHILLIS WILSON 64
1:32.44 PINKY WALKER 55	2:06.13 KITTY JOHNSTON 55	2:58.34 RONNIE KAMPHAUSEN 63	3:53.06 SUZANNE E ROBBINS 63
1:32.74 BETSY DURRANT 55	2:09.61 PATRICIA ARNOLD 58	3:06.14 BARBARZ ZAREMSKI 60	4:11.96 ADELINE QUINN 62
1:36.34 LYNNE LUND 57	2:17.55 PAMELA MCCARRON 57	3:06.84 NANCY BROWN 61	• 50 M. BREASTSTROKE
1:40.54 CEIL BLACKWELL 57	• 200 M. BUTTERFLY	3:07.29 MARGIE HEINEMAN 60	41.74 JAYNE BRUNER 96
1:41.30 SUSAN LIVINGSTON 59	2:55.05 ARDETH MUELLER 96	3:08.09 ANN KAY 63	45.43 SALLY NEWELL 60
1:45.10 MARILYN RAMEY 56	3:38.94 LYNNE LUND 57	3:08.73 BEVERLY MYERS 61	47.17 ANNE MCGUIRE 63
1:48.71 MARIAN COAKLEY 59	3:55.86 DOROTHY BURKE 57	3:13.30 PATRICIA TULLMAN 60	47.26 BETSY JORDAN 60
1:48.91 MARYLOU SCHULZ 57	4:22.62 JEANNINE OLSON 57	3:13.53 JEAN GARBUS 63	47.47 BEVERLY MYERS 62
1:54.69 LINDA CARTER 55	4:23.63 INGRID STINE 58	• 400 M. FREESTYLE	49.29 JACQUELYN PIPER 60
• 200 M. BACKSTROKE	4:38.21 HELEN GEOFFRION 58	5:38.06 LAVELLE STOINOFF 93	49.42 SUE STRALEY 60
3:00.66 BETSY JORDAN 92	4:48.97 PATRICIA ARNOLD 58	6:03.30 SUSAN BRADLEY-COX 60	49.47 SUSANNE SCHUMANN 60
3:17.67 BETSY DURRANT 55	7:25.75 LYNNE DE VICTORIA 55	6:10.20 BETSY JORDAN 60	51.21 DORIS KLITZKE 62
3:29.67 SUSAN LIVINGSTON 59	• 100 M. INDIVIDUAL MEDLEY	6:19.85 RONNIE KAMPHAUSEN 63	51.82 CAROL REINKE 60
3:31.66 LYNNE LUND 56	1:24.19 JAYNE BRUNER 89	6:33.78 BEVERLY MYERS 61	52.35 DORIS C PROKOPI 61
3:48.40 MARILYN RAMEY 57	1:34.10 LYNNE LUND 57	6:34.65 MARGIE HEINEMAN 60	• 100 M. BREASTSTROKE
3:51.33 MARYLOU SCHULZ 57	1:35.55 CLAIRE O'BRIEN 57	6:34.83 BARBARA ZAREMSKI 60	1:34.63 JAYNE BRUNER 96
3:59.45 ELIZABETH JOHNSON 58	1:37.25 JAYNE M LAMBKE 58	6:45.15 ANNE MCGUIRE 63	1:41.02 SALLY NEWELL 60
4:20.55 LYNNE DE VICTORIA 55	1:40.03 CEIL BLACKWELL 57	7:03.25 PATRICIA TULLMAN 60	1:42.31 ANNE MCGUIRE 63
4:24.85 HELEN FREDELL 55	1:43.18 TITA ARNOLD 56	7:05.42 DONNA MONROE 63	1:43.64 BETSY JORDAN 60
4:44.98 GAILE HARDEN 57	1:44.00 MARILYN RAMEY 57	7:10.65 BARBARA CALLISON 64	1:44.23 BEVERLY MYERS 62
4:51.83 SUZY MCKINNON 57	1:51.38 MARYLOU SCHULZ 57	• 800 M. FREESTYLE	1:47.10 JACQUELYN PIPER 60
• 50 M. BREASTSTROKE	1:53.83 RUTH STAVIS 59	11:30.55 LAVELLE STOINOFF 93	1:50.68 BARBARA ZAREMSKI 60
40.69 JAYNE BRUNER 91	1:54.09 ALICE JONES 59	12:33.52 BETSY JORDAN 60	1:51.39 SUSANNE SCHUMANN 60
41.31 JOANN LEILICH 58	1:54.55 PATRICIA ARNOLD 58	12:50.83 SUSAN BRADLEY-COX 60	1:52.38 CAROL REINKE 60
46.30 DOROTHY BURKE 57	• 200 M. INDIVIDUAL MEDLEY	13:43.17 ANNE MCGUIRE 63	1:54.44 DORIS C PROKOPI 61
46.89 BETSY DURRANT 55	2:52.43 ARDETH MUELLER 97	14:05.95 BEVERLY MYERS 62	1:55.50 JEAN GARBUS 63

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

<ul style="list-style-type: none"> • 200 M. BREASTSTROKE 3:33.06 LAVELLE STAINOFF 95 3:39.73 SALLY NEWELL 60 3:41.92 BEVERLY MYERS 61 3:43.50 ANNE MCGUIRE 63 3:48.56 BETSY JORDAN 60 3:57.42 JACQUELYN PIPER 60 4:00.27 SUE STRALEY 60 4:01.52 BARBARA ZAREMSKI 60 4:02.34 CAROL REINKE 60 4:03.79 SUSANNE SCHUMANN 60 4:07.32 BARBARA CALLISON 64 • 50 M. BUTTERFLY 38.30 JAYNE BRUNER 95 40.52 BETSY JORDAN 60 41.50 ANN KAY 63 43.15 RONNIE KAMPHAUSEN 63 43.59 BEVERLY MYERS 61 44.74 ANNE MCGUIRE 63 44.79 DORIS KLITZKE 62 45.01 BARBARA CALLISON 64 45.22 NANCY BROWN 61 47.85 PATRICIA TULLMAN 60 51.32 JANET MOELLER 62 • 100 M. BUTTERFLY 1:32.19 JAYNE BRUNER 95 1:37.53 BETSY JORDAN 60 1:46.96 RONNIE KAMPHAUSEN 63 1:47.31 ANNE MCGUIRE 63 1:51.26 BARBARA CALLISON 64 1:52.57 BARBARA ZAREMSKI 60 1:53.99 PATRICIA TULLMAN 60 2:02.04 JANET MOELLER 62 2:12.18 PAT PETERSEN 62 2:14.12 DORIS C PROKOPI 61 2:15.65 JANET C OLSEN 60 • 200 M. BUTTERFLY 3:32.29 JUNE KRAUSER 90 3:35.41 BETSY JORDAN 60 3:54.83 ANNE MCGUIRE 63 4:05.57 BARBARA ZAREMSKI 60 4:12.33 PATRICIA TULLMAN 60 4:30.72 BARBARA CALLISON 64 4:56.74 JANET MOELLER 62 5:01.18 CAROL LOWENGRUB 60 5:22.40 DORIS C PROKOPI 61 5:30.09 NANCY MCPHEE 64 7:15.68 TRISH HUNTER 63 • 100 M. INDIVIDUAL MEDLEY 1:26.42 JAYNE BRUNER 96 1:29.14 BETSY JORDAN 60 1:36.16 BEVERLY MYERS 61 1:37.85 ANN KAY 63 1:38.36 DORIS KLITZKE 62 1:39.73 ANNE MCGUIRE 63 1:40.56 BARBARA ZAREMSKI 60 1:40.81 RONNIE KAMPHAUSEN 63 1:42.90 SALLY NEWELL 60 1:42.95 JEAN GARBUS 63 1:46.81 BARBARA CALLISON 64 • 200 M. INDIVIDUAL MEDLEY 3:14.28 CLARA WALKER 90 3:14.35 BETSY JORDAN 60 3:34.91 ANNE MCGUIRE 63 3:36.96 RONNIE KAMPHAUSEN 63 3:41.37 BARBARA ZAREMSKI 60 3:43.06 JEAN GARBUS 63 3:44.59 BARBARA CALLISON 64 4:07.22 JANET MOELLER 62 4:16.74 DONNA MONROE 63 4:18.35 JANET C OLSEN 60 4:18.76 PAT PETERSEN 62 • 400 M. INDIVIDUAL MEDLEY 6:58.97 CLARA WALKER 91 6:59.44 BETSY JORDAN 60 7:32.12 ANNE MCGUIRE 63 7:40.17 BARBARA ZAREMSKI 60 7:40.61 RONNIE KAMPHAUSEN 63 	<ul style="list-style-type: none"> 8:18.94 BARBARA CALLISON 64 8:40.71 PATRICIA TULLMAN 60 8:47.81 JANET MOELLER 62 8:58.69 DORIS C PROKOPI 61 9:07.75 PAT PETERSEN 61 9:44.87 ADELINE QUINN 62 <p style="text-align: center; margin: 10px 0;">WOMEN 65-69</p> <ul style="list-style-type: none"> • 50 M. FREESTYLE 34.17 GAIL ROPER 96 35.42 GAIL ROPER 68 37.25 DIANE REED 66 39.97 NANCY MACBETH 68 39.99 LIDA GASCHKE 65 41.10 EDIE GRUENDER 68 41.18 GAY COLLINS 67 41.70 CAROL FERGUSON 66 42.46 TERI MCCANTS 67 42.84 LAURINE SCHULER 67 43.58 JANE H MOIR 65 • 100 M. FREESTYLE 1:16.26 GAIL ROPER 96 1:19.60 GAIL ROPER 68 1:25.92 DIANE REED 66 1:33.81 EDIE GRUENDER 68 1:37.50 GAY COLLINS 67 1:37.69 CAROL FERGUSON 66 1:38.88 MALCHIA OLSHAN 66 1:40.83 LAURINE SCHULER 67 1:42.89 JANE H MOIR 65 1:43.09 CHERYL CORBETT 65 1:43.13 FLORENCE BANNING 67 • 200 M. FREESTYLE 2:54.15 GAIL ROPER 96 2:57.56 GAIL ROPER 68 3:13.73 DIANE REED 66 3:17.56 LIDA GASCHKE 65 3:27.50 EDIE GRUENDER 68 3:29.86 MALCHIA OLSHAN 66 3:36.01 JOAN K CAMPBELL 67 3:41.30 NANCY M DURSTEIN 67 3:43.72 DOLLY HINCKLEY 66 3:45.53 CAROL FERGUSON 66 3:47.56 FLORENCE BANNING 67 • 400 M. FREESTYLE 6:13.42 CLARA WALKER 92 6:28.24 GAIL ROPER 68 7:21.65 EDIE GRUENDER 68 7:21.73 BARBARA OWENS 68 7:26.10 NANCY M DURSTEIN 67 7:41.11 CAROL MORGAN 65 7:42.25 RUTH AARON 68 7:55.06 RUTH FARNHAM 67 7:57.43 DOLLY HINCKLEY 66 8:07.09 FLORENCE BANNING 67 8:07.62 JOAN MCINTYRE 68 • 800 M. FREESTYLE 12:35.26 CLARA WALKER 92 13:32.14 GAIL ROPER 68 14:12.41 LIDA GASCHKE 65 14:37.38 MALCHIA OLSHAN 66 15:15.88 EDIE GRUENDER 68 15:18.21 NANCY M DURSTEIN 67 15:58.25 JOAN K CAMPBELL 67 16:10.34 RUTH AARON 68 16:33.30 CHERYL CORBETT 65 16:35.11 RUTH FARNHAM 67 16:51.73 JOAN MCINTYRE 69 • 1500 M. FREESTYLE 23:38.44 CLARA WALKER 92 26:18.82 GAIL ROPER 68 27:24.85 MALCHIA OLSHAN 66 28:58.19 NANCY M DURSTEIN 67 29:59.11 JOAN K CAMPBELL 67 30:02.27 DOLLY HINCKLEY 66 30:42.22 RUTH AARON 68 31:04.69 ANN DALLAM 67 	<ul style="list-style-type: none"> 31:51.09 MARY JANE MULLINS 66 32:06.63 JOAN MCINTYRE 69 32:24.65 CHERYL CORBETT 65 • 50 M. BACKSTROKE 40.48 DORIS STEADMAN 89 44.01 GAIL ROPER 68 47.27 NANCY MACBETH 68 52.38 GAY COLLINS 67 52.63 EDIE GRUENDER 68 52.80 LAURINE SCHULER 67 52.87 MARY JANE MULLINS 66 54.07 JOAN MCINTYRE 69 54.58 STEFANENA D KYSOR 68 55.50 BARBARA OWENS 68 57.96 LOUISE KUTSCHER 68 • 100 M. BACKSTROKE 1:30.41 DORIS STEADMAN 89 1:38.04 GAIL ROPER 68 1:43.91 NANCY MACBETH 68 1:52.67 JILL COLEMAN 67 1:54.40 MARY JANE MULLINS 66 1:54.45 EDIE GRUENDER 68 1:56.03 JOAN MCINTYRE 68 1:56.72 LAURINE SCHULER 67 1:58.65 GAY COLLINS 67 1:58.66 NANCY M DURSTEIN 67 1:58.66 STEFANENA D KYSOR 68 • 200 M. BACKSTROKE 3:15.72 DORIS STEADMAN 89 3:37.12 GAIL ROPER 68 3:42.09 NANCY MACBETH 68 3:56.87 JILL COLEMAN 67 4:03.57 EDIE GRUENDER 68 4:05.32 JOAN MCINTYRE 69 4:05.38 STEFANENA D KYSOR 68 4:06.41 GAY COLLINS 67 4:08.39 NANCY M DURSTEIN 67 4:10.40 JOAN K CAMPBELL 67 4:29.37 MARIE WALLACE 68 • 50 M. BREASTSTROKE 46.57 GAIL ROPER 95 47.65 GAIL ROPER 68 48.83 CAROL TAYLOR 68 49.68 LILLY KRON 65 53.46 CAROL FERGUSON 66 54.45 MABEL WEIL 67 55.09 JOAN E ALEXANDER 65 56.87 ANN DALLAM 67 57.74 BARBARA OWENS 68 57.99 GEORGIA GOGGIN 68 58.49 SYLVIA IDELSON 68 • 100 M. BREASTSTROKE 1:41.41 GAIL ROPER 95 1:45.28 GAIL ROPER 68 1:47.48 LILLY KRON 65 1:50.15 CAROL TAYLOR 68 1:56.08 LIDA GASCHKE 65 1:58.38 CAROL FERGUSON 66 2:05.72 GEORGIA GOGGIN 68 2:06.44 JOAN K CAMPBELL 67 2:09.94 RUTH AARON 68 2:10.79 ELFRIEDE ROGERS 69 2:11.89 BUNNY S DAWSON 69 • 200 M. BREASTSTROKE 3:41.93 GAIL ROPER 95 3:51.16 GAIL ROPER 68 3:54.36 LILLY KRON 65 4:23.39 RUTH AARON 68 4:27.75 JILL COLEMAN 67 4:33.38 ELFRIEDE ROGERS 69 4:37.25 JOAN K CAMPBELL 67 5:00.64 MARIAN WOLLE 69 5:12.14 L REYMERSDAL 68 5:23.03 ANN MARTIN 68 5:58.49 MARIE WALLACE 68 • 50 M. BUTTERFLY 38.44 GAIL ROPER 95 39.16 GAIL ROPER 68 	<ul style="list-style-type: none"> 47.03 EDIE GRUENDER 68 48.20 NANCY MACBETH 68 49.71 JOAN E ALEXANDER 65 50.36 CAROL TAYLOR 68 54.83 GAY COLLINS 67 55.77 JILL COLEMAN 67 55.84 ANN DALLAM 67 56.98 MALCHIA OLSHAN 66 1:00.01 ANGIE SINACORE 67 • 100 M. BUTTERFLY 1:33.10 GAIL ROPER 95 1:42.00 GAIL ROPER 68 1:56.52 EDIE GRUENDER 68 1:57.42 JOAN E ALEXANDER 65 2:02.50 MALCHIA OLSHAN 66 2:02.50 JILL COLEMAN 67 2:08.46 NANCY M DURSTEIN 67 2:16.77 ELFRIEDE ROGERS 69 2:19.96 MARIAN WOLLE 69 2:22.49 RUTH AARON 68 2:23.83 ANN DALLAM 67 • 200 M. BUTTERFLY 3:32.93 JUNE KRAUSER 95 3:39.49 GAIL ROPER 68 4:48.48 JILL COLEMAN 67 4:53.67 ELFRIEDE ROGERS 69 4:57.83 MARIAN WOLLE 69 6:16.66 JOAN MCINTYRE 69 6:37.81 MARY WILLIAMS 65 • 100 M. INDIVIDUAL MEDLEY 1:28.95 GAIL ROPER 96 1:32.85 GAIL ROPER 68 1:38.47 NANCY MACBETH 68 1:49.83 DIANE REED 66 1:51.27 LIDA GASCHKE 65 1:53.65 CAROL FERGUSON 66 1:54.14 GAY COLLINS 67 1:54.28 BARBARA OWENS 68 1:54.72 JILL COLEMAN 67 1:57.34 NANCY M DURSTEIN 67 2:02.74 ELFRIEDE ROGERS 69 • 200 M. INDIVIDUAL MEDLEY 3:18.77 CLARA WALKER 91 3:28.01 GAIL ROPER 68 3:44.53 NANCY MACBETH 68 4:04.13 JILL COLEMAN 67 4:08.45 NANCY M DURSTEIN 67 4:10.75 MALCHIA OLSHAN 66 4:13.11 JOAN K CAMPBELL 67 4:26.79 ELFRIEDE ROGERS 69 4:28.84 MARY JANE MULLINS 66 4:32.81 MARIAN WOLLE 69 4:33.39 STEFANENA D KYSOR 68 • 400 M. INDIVIDUAL MEDLEY 7:07.69 GAIL ROPER 96 7:26.92 GAIL ROPER 68 7:42.85 NANCY MACBETH 68 8:32.98 JILL COLEMAN 67 8:43.68 NANCY M DURSTEIN 67 9:27.18 ELFRIEDE ROGERS 69 9:28.39 MARIAN WOLLE 69 10:31.66 JANET KAVADAS 65 10:48.29 ANN MARTIN 68 <p style="text-align: center; margin: 10px 0;">WOMEN 70-74</p> <ul style="list-style-type: none"> • 50 M. FREESTYLE 38.36 FLORENCE CARR 95 38.84 JEAN TROY 70 39.70 BETTY RUSS 70 40.18 PETEY M SMITH 72 40.59 JUNE KRAUSER 71 40.91 FLORENCE E CARR 72 43.20 LOIS NOCHMAN 73 44.26 RUTH BAAR 74 45.81 S HASSELBACHER 71 46.43 NANCY REED 70 51.18 DIXIE C GERMOLUS 70
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1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

<ul style="list-style-type: none"> • 100 M. FREESTYLE 1:26.55 JUNE KRAUSER 96 1:27.68 JEAN TROY 70 1:28.50 JUNE KRAUSER 71 1:29.69 BETTY RUSS 70 1:32.80 PETEY M SMITH 72 1:34.19 MARGERY MEYER 74 1:34.64 FLORENCE E CARR 72 1:39.22 LOIS KIVI NOCHMAN 72 1:40.42 SUZANNE GRAHAM 71 1:44.54 BARBARA BOLEY 72 1:44.82 RUTH BAAR 74 • 200 M. FREESTYLE 3:07.16 JUNE KRAUSER 96 3:09.83 JUNE KRAUSER 71 3:09.94 JEAN TROY 70 3:14.63 BETTY RUSS 70 3:19.05 PETEY M SMITH 72 3:22.11 FLORENCE E CARR 72 3:27.92 MARGERY MEYER 74 3:37.13 LOIS KIVI NOCHMAN 72 3:49.74 GRACE ALTUS 73 3:57.83 NANCY REED 70 4:06.86 CLARA SOTAK 72 • 400 M. FREESTYLE 6:28.81 JUNE KRAUSER 96 6:30.60 JUNE KRAUSER 71 6:48.91 BETTY RUSS 70 6:52.43 JEAN TROY 70 7:00.46 PETEY M SMITH 72 7:07.37 MARGERY MEYER 74 7:51.97 GRACE ALTUS 73 7:54.90 LOIS NOCHMAN 72 8:08.57 FLORENCE E CARR 72 8:16.70 NANCY REED 70 8:21.83 CLARA SOTAK 73 • 800 M. FREESTYLE 13:07.28 JUNE KRAUSER 96 13:18.98 JUNE KRAUSER 71 14:08.33 BETTY RUSS 70 14:58.24 MARGERY MEYER 74 15:40.79 GRACE ALTUS 73 16:02.32 LOIS NOCHMAN 73 17:02.27 NANCY REED 70 17:11.44 CLARA SOTAK 72 17:28.05 BARBARA BOLEY 72 18:51.26 D WINNIFORD 72 19:47.57 ELINOR WRIGHT 73 • 1500 M. FREESTYLE 24:57.85 JUNE KRAUSER 96 25:20.48 JUNE KRAUSER 71 27:34.27 BETTY RUSS 70 28:47.41 MARGERY MEYER 74 30:01.44 GRACE ALTUS 73 30:11.18 LOIS NOCHMAN 73 32:33.41 NANCY REED 70 32:33.92 CLARA SOTAK 72 34:00.92 IRENE D'AGOSTINO 70 36:13.37 GLADYS OLSEN 71 37:14.61 ELINOR WRIGHT 73 • 50 M. BACKSTROKE 42.58 DORIS STEADMAN 95 48.50 DELLA M SEHORN 70 51.25 JUNE KRAUSER 71 51.45 MARGERY MEYER 74 51.63 FLORENCE E CARR 72 52.96 LOIS KIVI NOCHMAN 72 54.17 PETEY M SMITH 72 56.24 NANCY SCHOEPERLE 72 56.74 SUZANNE GRAHAM 71 57.44 PEGGY SANBORN 70 59.67 ESTELLE SHUER 70 • 100 M. BACKSTROKE 1:35.66 DORIS STEADMAN 95 1:35.79 DORIS STEADMAN 73 1:48.72 JUNE KRAUSER 71 1:55.63 BETTY RUSS 70 1:56.76 LOIS NOCHMAN 72 	<ul style="list-style-type: none"> 1:57.90 MARGERY MEYER 74 2:02.84 NANCY SCHOEPERLE 72 2:03.34 PEGGY SANBORN 70 2:08.20 BETTY DUNN 72 2:09.70 ESTELLE SHUER 70 2:11.22 NANCY REED 70 • 200 M. BACKSTROKE 3:27.79 DORIS STEADMAN 95 3:41.90 JUNE KRAUSER 71 3:56.25 FLORENCE E CARR 72 3:56.57 DELLA M SEHORN 70 4:12.29 LOIS NOCHMAN 72 4:15.15 PEGGY SANBORN 70 4:25.36 NANCY SCHOEPERLE 72 4:27.53 BETTY DUNN 72 4:35.60 JAE HOWELL 74 4:36.81 ESTELLE SHUER 70 4:44.53 BARBARA BOLEY 72 • 50 M. BREASTSTROKE 50.95 GERTRUD ZINT 87 52.51 JUNE KRAUSER 71 55.69 SUZANNE GRAHAM 71 55.89 LOIS NOCHMAN 72 56.96 FLORENCE E CARR 72 57.72 JAE HOWELL 74 1:01.12 JOAN GLARATON 70 1:01.82 MARGERY MEYER 74 1:03.11 MARJORIE CROZIER 71 1:03.69 ESTELLE SHUER 70 1:06.26 NANCY REED 70 • 100 M. BREASTSTROKE 1:49.64 JUNE KRAUSER 96 1:52.82 JUNE KRAUSER 71 2:05.33 LOIS NOCHMAN 72 2:08.16 BETTY RUSS 70 2:14.38 JAE HOWELL 74 2:14.98 FLORENCE E CARR 72 2:16.47 ESTELLE SHUER 70 2:21.24 JOAN GLARATON 70 2:23.51 MARJORIE CROZIER 71 2:28.40 BARBARA BOLEY 72 2:31.95 CORNELIA JOHNSON 73 • 200 M. BREASTSTROKE 3:55.99 JUNE KRAUSER 96 3:59.06 JUNE KRAUSER 71 4:18.86 BETTY RUSS 70 4:20.22 SUZANNE GRAHAM 71 4:32.46 LOIS NOCHMAN 73 4:48.19 JAE HOWELL 74 4:54.44 ESTELLE SHUER 70 4:59.04 GLADYS OLSEN 71 5:03.78 BARBARA BOLEY 72 5:08.89 JOAN GLARATON 70 5:39.02 MARGARET WELLS 71 • 50 M. BUTTERFLY 45.17 JUNE KRAUSER 96 45.41 JUNE KRAUSER 71 48.13 LOIS NOCHMAN 72 49.19 BETTY RUSS 70 49.94 JEAN TROY 70 55.84 FLORENCE E CARR 72 58.09 BETTY KERCHEVAL 73 58.20 BETTY DUNN 72 1:01.84 GRACE ALTUS 73 1:02.55 JAE HOWELL 74 1:03.25 NANCY REED 70 • 100 M. BUTTERFLY 1:40.20 JUNE KRAUSER 96 1:41.96 JUNE KRAUSER 71 1:54.36 BETTY RUSS 70 1:58.59 LOIS NOCHMAN 72 2:23.26 JAE HOWELL 74 2:30.79 MARGARET WELLS 71 2:39.10 GLADYS OLSEN 71 3:01.56 GLORIA M STUFFEL 71 • 200 M. BUTTERFLY 3:38.39 JUNE KRAUSER 96 3:44.50 JUNE KRAUSER 71 	<ul style="list-style-type: none"> 3:58.01 BETTY RUSS 70 4:09.78 LOIS NOCHMAN 72 4:58.13 JAE HOWELL 74 • 100 M. INDIVIDUAL MEDLEY 1:38.73 JUNE KRAUSER 96 1:39.63 CLARA WALKER 70 1:40.20 JUNE KRAUSER 71 1:46.54 DELLA M SEHORN 70 1:47.64 FLORENCE E CARR 72 1:47.90 JEAN TROY 70 1:50.57 BETTY RUSS 70 1:54.90 LOIS NOCHMAN 72 2:06.36 NANCY REED 70 2:10.82 JAE HOWELL 74 2:11.52 BETTY KERCHEVAL 73 • 200 M. INDIVIDUAL MEDLEY 3:31.93 JUNE KRAUSER 96 3:35.14 JUNE KRAUSER 71 3:39.79 CLARA WALKER 70 3:51.05 BETTY RUSS 70 3:56.04 JEAN TROY 70 4:01.01 FLORENCE E CARR 72 4:05.02 LOIS NOCHMAN 72 4:37.43 BETTY DUNN 72 4:40.91 JAE HOWELL 74 4:45.75 NANCY REED 70 4:54.62 GLADYS OLSEN 71 • 400 M. INDIVIDUAL MEDLEY 7:24.32 JUNE KRAUSER 96 7:25.05 JUNE KRAUSER 71 8:08.01 BETTY RUSS 70 8:09.90 JEAN TROY 70 8:41.11 LOIS NOCHMAN 72 9:40.81 GLADYS OLSEN 71 9:49.17 JAE HOWELL 74 10:14.14 BETTY DUNN 72 10:33.68 MARGARET WELLS 71 	<ul style="list-style-type: none"> 7:48.32 RITA SIMONTON 79 8:15.69 SUE MARVEL 77 8:23.16 BILLIE BURRILL 75 8:31.48 MAURINE KORNFELD 75 8:46.59 BUNNY CEDERLUND 75 8:55.92 PAULINE STANGEL 75 10:05.94 M STEINBISS 77 10:17.88 MARGARET BROU 75 10:29.94 ZADA W TAFT 78 10:58.35 RUTH THORSEN 77 • 800 M. FREESTYLE 15:28.60 RITA SIMONTON 93 16:01.27 RITA SIMONTON 79 17:55.15 MAURINE KORNFELD 75 21:41.52 ZADA W TAFT 78 22:00.62 MARGARET BROU 75 25:49.10 KATE BRAZIL 77 25:52.41 MARTHA FORSTER 79 31:18.00 ROSE STEWARD 79 • 1500 M. FREESTYLE 29:30.20 RITA SIMONTON 93 30:30.39 RITA SIMONTON 79 32:32.82 SUE MARVEL 77 40:50.76 ZADA W TAFT 78 43:57.09 MARGARET BROU 75 48:10.70 KATE BRAZIL 77 • 50 M. BACKSTROKE 52.11 MARIE WICKLUN 89 50.82 BUNNY CEDERLUND 75NV 51.82 BETTY CHRISTIAN 76NV 52.70 DIANA SILVA 75 1:00.37 SUE MARVEL 77 1:01.93 JUNE B REYNOLDS 75 1:03.99 RITA EVANS 77 1:04.52 MAURINE KORNFELD 75 1:05.14 GERTRUDE BOX 75 1:05.32 M STEINBISS 77 1:07.67 PATRICIA PREVETZ 76 • 100 M. BACKSTROKE 1:53.00 ANNE WALKER 91 1:52.88 BUNNY CEDERLUND 75NV 1:56.84 DIANA SILVA 75 2:03.88 RITA EVANS 77 2:17.72 MAURINE KORNFELD 75 2:17.98 JUNE B REYNOLDS 75 2:18.53 M STEINBISS 77 2:22.34 MARY WIXTED 75 2:22.95 PATRICIA PREVETZ 76 2:23.35 EDITH GLUSAC 78 2:43.32 EILEEN WARDNER 75 • 200 M. BACKSTROKE 4:01.89 MARIE WICKLUN 89 4:12.91 DIANA SILVA 75 4:13.11 BUNNY CEDERLUND 75 4:44.03 SUE MARVEL 77 4:53.84 M STEINBISS 77 4:59.70 JUNE B REYNOLDS 75 5:00.60 MAXINE CARLSON 77 5:20.06 PATRICIA PREVETZ 76 5:32.56 EDITH GLUSAC 78 5:32.58 ROSEMARY KARIKER 78 5:37.54 MARY WIXTED 75 • 50 M. BREASTSTROKE 53.94 GERTRUD ZINT 93 53.35 BETTY CHRISTIAN 76NV 58.54 JAE HOWELL 75 1:02.03 RITA SIMONTON 79 1:04.41 PAULINE STANGEL 75 1:04.87 JUNE B REYNOLDS 75 1:06.44 EDITH GLUSAC 78 1:07.42 GERTRUDE BOX 75 1:10.12 MARY WIXTED 75 1:12.30 RITA EVANS 77 1:14.73 BILLIE BURRILL 75 • 100 M. BREASTSTROKE 2:02.29 GERTRUD ZINT 93 2:00.04 BETTY CHRISTIAN 76NV 2:19.14 RITA SIMONTON 79
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WOMEN 75-79

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

2:22.33 JAE HOWELL	75	10:25.46 SYLVIA HILL	75	2:33.66 KAY SCHIMPF	80	<ul style="list-style-type: none"> • 50 M. FREESTYLE
2:23.90 JUNE B REYNOLDS	75	12:25.44 EDITH GLUSAC	78	2:40.75 MARGARET NAGLE	80	51.99 JULIA DOLCE
2:25.06 PAULINE STANGEL	75	12:35.17 ROSEMARY KARIKER	78	2:42.00 PAT MATTHIESEN	81	1:07.66 EDITH HENDRY
2:32.67 MARY WIXTED	75	12:52.01 MARGARET BROU	75	3:16.38 OLGA JAGGERS	84	1:14.87 MADELEINE MILLER
2:34.12 GERTRUDE BOX	75	13:41.93 ZADA W TAFT	78	3:40.08 JENNE TAYLOR	80	1:15.28 PEARL SOBEL
3:39.95 HELEN SCHUCHART	78	16:08.54 ELFIE STEVENIN	76	4:18.87 MARGUERITE A NUTE	83	1:28.13 EDIE GOLDMAN
3:42.98 EILEEN WARDNER	75			• 200 M. BACKSTROKE		1:47.28 GILDA DI PIERRE
• 200 M. BREASTSTROKE		WOMEN 80-84		4:31.01 MARJORIE SHARPE	97	• 100 M. FREESTYLE
4:32.71 GERTRUD ZINT	93	• 50 M. FREESTYLE		4:31.01 MARJORIE W SHARPE	80	2:05.74 JULIA DOLCE
4:22.17 BETTY CHRISTIAN	76NV	45.84 MARJORIE SHARPE	97	4:48.78 MARIE WICKLUN	83	2:48.61 MADELEINE MILLER
4:53.12 JAE HOWELL	75	45.84 MARJORIE W SHARPE	80	4:54.01 AUDREY H ETIENNE	81	2:51.10 EDITH HENDRY
4:53.72 RITA SIMONTON	79	48.37 AUDREY H ETIENNE	80	4:58.21 JEAN D DURSTON	83	3:06.10 EDIE GOLDMAN
5:03.24 JUNE B REYNOLDS	75	51.69 MARGARET NAGLE	80	5:14.98 SALLY JOY	80	• 200 M. FREESTYLE
5:21.33 MARY WIXTED	75	56.01 GERTRUD ZINT	80	6:56.44 HILDA G BUEL	83	4:52.37 JULIA DOLCE
5:27.38 EDITH GLUSAC	78	56.74 SALLY JOY	80	• 50 M. BREASTSTROKE		4:58.12 MADELINE MILLER
5:50.39 GERTRUDE BOX	75	57.20 MARIE WICKLUN	83	1:04.37 KAY SCHIMPF	97	6:07.16 EDITH HENDRY
6:46.01 MARGARET BROU	75	1:01.39 PAT MATTHIESEN	81	1:04.37 KAY SCHIMPF	80	• 400 M. FREESTYLE
7:55.60 EILEEN WARDNER	75	1:21.69 OLGA JAGGERS	84	1:05.33 GERTRUD ZINT	80	10:19.41 JULIA DOLCE
9:14.66 ROSE STEWARD	79	1:21.99 MARGUERITE A NUTE	83	1:05.97 SALLY JOY	80	NO SWIMMERS
• 50 M. BUTTERFLY		1:26.78 BETTY TAYLOR	81	1:13.96 AUDREY H ETIENNE	81	• 800 M. FREESTYLE
55.27 DIANA SILVA	97	• 100 M. FREESTYLE		1:17.46 MARGARET NAGLE	80	22:22.74 JULIA DOLCE
55.27 DIANA SILVA	75	1:44.57 MARJORIE SHARPE	97	1:17.46 MARGARET NAGLE	80	NO SWIMMERS
1:02.93 JUNE B REYNOLDS	75	1:44.57 MARJORIE W SHARPE	80	1:23.40 HILDA G BUEL	83	• 1500 M. FREESTYLE
1:03.67 JAE HOWELL	75	1:53.15 AUDREY H ETIENNE	81	1:36.85 ANNE WILDER	83	42:10.95 JULIA DOLCE
1:03.70 MARY WIXTED	75	2:05.75 GERTRUD ZINT	80	2:42.18 ELZENA JOHNSON	83	NO SWIMMERS
1:11.12 BILLIE BURRILL	75	2:06.31 MARGARET NAGLE	80	• 100 M. BREASTSTROKE		• 50 M. BACKSTROKE
1:18.87 ROSEMARY KARIKER	78	2:12.10 SALLY JOY	80	2:21.80 MAXINE MERLINO	92	1:12.75 JEWEL COOKE
1:20.79 EDITH GLUSAC	78	2:18.48 PAT MATTHIESEN	81	2:27.78 KAY SCHIMPF	80	1:13.10 EDITH HENDRY
1:21.13 MARIE KREIPE	77	3:00.26 MARGUERITE A NUTE	83	2:29.69 GERTRUD ZINT	80	1:21.29 EDIE GOLDMAN
1:23.39 ZADA W TAFT	78	3:16.03 BETTY TAYLOR	81	2:34.58 SALLY JOY	80	1:22.75 MADELEINE MILLER
1:27.86 DOROTHY KIMMEL	76	• 200 M. FREESTYLE		2:54.42 JEAN D DURSTON	83	2:02.46 GILDA DI PIERRE
• 100 M. BUTTERFLY		3:49.19 MARJORIE SHARPE	97	3:13.39 HILDA G BUEL	83	• 100 M. BACKSTROKE
2:05.39 DIANA SILVA	97	3:49.19 MARJORIE W SHARPE	80	3:42.05 ANNE WILDER	83	2:45.89 JEWEL COOKE
2:05.39 DIANA SILVA	75	4:08.45 AUDREY H ETIENNE	81	• 200 M. BREASTSTROKE		3:04.61 MADELINE MILLER
2:15.86 JUNE B REYNOLDS	75	4:22.73 KAY SCHIMPF	80	5:00.63 MAXINE MERLINO	92	• 200 M. BACKSTROKE
2:28.50 JAE HOWELL	75	4:38.16 MARGARET NAGLE	80	5:36.19 JEAN D DURSTON	83	5:53.58 JEWEL COOKE
2:33.70 MARY WIXTED	75	5:03.04 PAT MATTHIESEN	81	5:37.47 GERTRUD ZINT	80	6:21.90 MADELEINE MILLER
2:54.02 ROSEMARY KARIKER	78	6:19.77 RUTH RIDENOUR	83	5:45.68 SALLY JOY	80	• 50 M. BREASTSTROKE
3:04.58 DOROTHY KIMMEL	76	7:17.94 BETTY TAYLOR	81	6:53.14 HILDA G BUEL	83	1:09.77 MARTI GOGNIAT
3:07.37 EDITH GLUSAC	78	7:21.36 ELZENA JOHNSON	83	7:04.11 PAT MATTHIESEN	81	1:26.73 MADELEINE MILLER
3:07.51 MARGARET BROU	75	• 400 M. FREESTYLE		• 50 M. BUTTERFLY		1:56.61 EDIE GOLDMAN
3:28.40 ZADA W TAFT	78	8:04.20 MARJORIE SHARPE	97	1:03.26 JEAN DURSTON	94	• 100 M. BREASTSTROKE
4:22.34 ELFIE STEVENIN	76	8:04.20 MARJORIE W SHARPE	80	1:06.23 JEAN DURSTON	83	2:38.48 MARTI GOGNIAT
• 200 M. BUTTERFLY		9:10.56 JEAN D DURSTON	83	1:07.38 GERTRUD ZINT	80	3:45.46 MADELEINE MILLER
4:48.50 MAXINE MERLINO	88	9:17.43 KAY SCHIMPF	80	1:10.09 KAY SCHIMPF	80	• 200 M. BREASTSTROKE
5:01.84 DIANA SILVA	75	9:39.96 GERTRUD ZINT	80	1:14.94 AUDREY H ETIENNE	80	5:59.36 MARTI GOGNIAT
5:15.64 JAE HOWELL	75	9:54.26 MARIE WICKLUN	83	1:34.19 ANNE WILDER	83	5:59.36 MARTI GOGNIAT
6:35.81 ROSEMARY KARIKER	78	10:04.85 MARGARET NAGLE	80	1:42.19 PAT MATTHIESEN	81	8:02.38 MADELEINE MILLER
6:41.83 MARGARET BROU	75	14:59.81 BETTY TAYLOR	81	• 100 M. BUTTERFLY		• 50 M. BUTTERFLY
7:32.69 ZADA W TAFT	78	• 800 M. FREESTYLE		2:28.34 JEAN DURSTON	94	1:24.22 JEWEL COOKE
9:12.27 ELFIE STEVENIN	76	16:18.58 MARJORIE SHARPE	97	2:39.88 KAY SCHIMPF	80	1:52.35 PEARL SOBEL
• 100 M. INDIVIDUAL MEDLEY		16:18.58 MARJORIE W SHARPE	80	2:42.88 JEAN DURSTON	83	• 100 M. BUTTERFLY
1:58.06 GERTRUD ZINT	93	19:11.48 KAY SCHIMPF	80	3:19.00 PAT MATTHIESEN	81	3:20.81 JEWEL COOKE
2:05.40 DIANA SILVA	75	19:39.69 MARY JANE REEVES	80	• 200 M. BUTTERFLY		4:21.96 EDIE GOLDMAN
2:11.55 JUNE B REYNOLDS	75	• 1500 M. FREESTYLE		5:22.65 MAXINE MERLINO	92	• 200 M. BUTTERFLY
2:14.22 RITA EVANS	77	30:59.09 MARJORIE SHARPE	97	5:27.00 JEAN D DURSTON	83	7:12.95 JEWEL COOKE
2:17.62 PAULINE STANGEL	75	30:59.09 MARJORIE SHARPE	80	• 100 M. INDIVIDUAL MEDLEY		NO SWIMMERS
2:17.76 MARY WIXTED	75	34:10.08 JEAN DURSTON	83	2:07.52 MAXINE MERLINO	92	• 100 M. INDIVIDUAL MEDLEY
2:39.96 FRAN ZEUMER	75	36:47.00 KAY SCHIMPF	80	2:14.29 AUDREY H ETIENNE	80	2:12.85 JEWEL COOKE
2:40.68 DOROTHY KIMMEL	77	• 50 M. BACKSTROKE		2:20.05 JEAN D DURSTON	83	3:24.56 PEARL SOBEL
2:41.59 ROSEMARY KARIKER	78	56.42 MARJORIE SHARPE	97	2:25.12 SALLY JOY	80	3:31.90 EDIE GOLDMAN
2:43.67 GERTRUDE BOX	75	56.42 MARJORIE W SHARPE	80	2:31.56 KAY SCHIMPF	80	• 200 M. INDIVIDUAL MEDLEY
2:46.62 MARIE KREIPE	78	1:01.77 AUDREY H ETIENNE	80	2:45.96 PAT MATTHIESEN	81	6:10.88 JEWEL COOKE
• 200 M. INDIVIDUAL MEDLEY		1:02.90 MARIE WICKLUN	83	3:11.08 HILDA G BUEL	83	NO SWIMMERS
4:17.89 MAXINE MERLINO	88	1:06.41 GERTRUD ZINT	80	4:19.75 BETTY TAYLOR	81	• 400 M. INDIVIDUAL MEDLEY
4:28.27 DIANA SILVA	75	1:06.83 SALLY JOY	80	• 200 M. INDIVIDUAL MEDLEY		13:24.08 JEWEL COOKE
4:43.02 JUNE B REYNOLDS	75	1:11.89 MARGARET NAGLE	80	4:45.32 JEAN DURSTON	95	NO SWIMMERS
4:45.86 JAE HOWELL	75	1:14.26 KAY SCHIMPF	80	5:01.05 JEAN D DURSTON	83	WOMEN 90-94
5:04.26 MARY WIXTED	75	1:15.84 PAT MATTHIESEN	81	5:01.71 KAY SCHIMPF	80	• 50 M. FREESTYLE
5:49.83 EDITH GLUSAC	78	1:22.48 HILDA G BUEL	83	5:03.98 GERTRUD ZINT	80	1:36.77 ANNA BAUSCHER
6:01.27 MAXINE CARLSON	77	1:24.25 OLGA JAGGERS	84	6:40.28 HILDA G BUEL	83	NO SWIMMERS
6:07.76 ZADA W TAFT	78	• 100 M. BACKSTROKE		• 400 M. INDIVIDUAL MEDLEY		• 100 M. FREESTYLE
6:08.60 MARGARET BROU	75	2:05.60 MARJORIE SHARPE	97	9:50.43 MAXINE MERLINO	92	3:24.13 ANNA BAUSCHER
8:56.57 ROSE STEWARD	79	2:05.60 MARJORIE W SHARPE	80	10:27.74 JEAN D DURSTON	83	NO SWIMMERS
• 400 M. INDIVIDUAL MEDLEY		2:16.40 MARIE WICKLUN	83	11:05.81 KAY SCHIMPF	80	• 100 M. FREESTYLE
9:07.66 MAXINE MERLINO	88	2:20.71 JEAN D DURSTON	83	WOMEN 85-89		• 200 M. FREESTYLE
9:30.91 DIANA SILVA	75	2:25.42 SALLY JOY	80			7:01.11 ANNA BAUSCHER
9:43.56 JAE HOWELL	75					93

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

<p>NO SWIMMERS</p> <p>• 400 M. FREESTYLE</p> <p>14:16.35 ANNA BAUSCHER 93</p> <p>NO SWIMMERS</p> <p>• 800 M. FREESTYLE</p> <p>28:45.45 ANNA BAUSCHER 93</p> <p>NO SWIMMERS</p> <p style="text-align: center;">MEN 19-24</p> <p>• 50 M. FREESTYLE</p> <p>23.36 ED WAGNER 95</p> <p>24.21 M GODFREY 22</p> <p>24.31 ROBERT BUTCHER 24</p> <p>24.38 CRIS ZOLTAK 22</p> <p>24.54 DAVID HUGHES 23</p> <p>24.75 OSIRIS BRISENO 21</p> <p>24.75 EALING JAHN 21</p> <p>24.96 ED GOLDSTEIN 22</p> <p>24.99 JASON DECOSTA 20</p> <p>24.99 BROCK GREYER 24</p> <p>25.01 DOUG FULLING 23</p> <p>• 100 M. FREESTYLE</p> <p>52.64 ED WAGNER 95</p> <p>54.22 M GODFREY 22</p> <p>54.34 CRIS ZOLTAK 22</p> <p>54.61 DOUG FULLING 23</p> <p>55.18 OSIRIS BRISENO 21</p> <p>55.18 KEVIN LEGROW 22</p> <p>55.41 EALING JAHN 21</p> <p>55.52 JOSH WEIDAUER 21</p> <p>55.77 TED MURPHY 23</p> <p>56.23 RUSSELL KOMINSKI 23</p> <p>56.25 CHARLIE WEISMAN 22</p> <p>• 200 M. FREESTYLE</p> <p>1:54.23 BRAD WINSOR 95</p> <p>1:59.26 ED GOLDSTEIN 22</p> <p>2:05.32 RUSSELL KOMINSKI 23</p> <p>2:07.27 ERIC NEWTON 24</p> <p>2:08.36 STEPHAN JOE 22</p> <p>2:11.86 BROCK GREYER 24</p> <p>2:12.10 STEPHAN KRUCKER 24</p> <p>2:13.28 MARK MAYHEW 23</p> <p>2:13.67 BENJAMIN SOULE 24</p> <p>2:14.00 CRAIG ROBERTS 23</p> <p>2:14.50 ROB BUTCHER 24</p> <p>• 400 M. FREESTYLE</p> <p>4:03.45 BRAD WINSOR 95</p> <p>4:31.01 RUSSELL KOMINSKI 23</p> <p>4:33.29 ERIC NEWTON 24</p> <p>4:35.16 TODD RADEL 24</p> <p>4:46.48 STEPHAN KRUCKER 24</p> <p>4:47.03 MARK MAYHEW 23</p> <p>5:11.64 M BEAUREGARD 23</p> <p>5:19.93 CASEY D CHEUNG 24</p> <p>5:25.55 ERIC SMITH 21</p> <p>5:30.63 JOSEPH HARRIS 21</p> <p>5:44.14 MIKE KRAEUTER 21</p> <p>• 800 M. FREESTYLE</p> <p>8:35.83 BRAD WINSOR 95</p> <p>9:50.82 TODD RADEL 24</p> <p>10:44.74 SEAN BURTON 20</p> <p>10:56.32 JEFF PICKETT 23</p> <p>11:31.21 M BEAUREGARD 23</p> <p>• 1500 M. FREESTYLE</p> <p>16:15.25 JEFF POPPELL 93</p> <p>18:20.79 TODD RADEL 24</p> <p>20:00.08 MARC ROBERT LEWIS 19</p> <p>20:17.91 JEFF PICKETT 23</p> <p>21:48.67 M BEAUREGARD 23</p> <p>25:00.58 C DECICCO 24</p> <p>• 50 M. BACKSTROKE</p> <p>27.48 AARON BARTLESON 95</p> <p>28.27 OSIRIS BRISENO 21</p> <p>28.86 DOUG FULLING 23</p> <p>28.87 ED GOLDSTEIN 22</p> <p>30.67 KEVIN LEGROW 22</p> <p>30.89 G SCHAEFER 23</p>	<p>31.23 STEWART HENDRIX 20</p> <p>31.74 KEVAN SWINEY 21</p> <p>31.91 EALING JAHN 21</p> <p>32.04 CHARLIE WEISMAN 22</p> <p>32.58 GEORGE MIX 24</p> <p>• 100 M. BACKSTROKE</p> <p>59.64 OSIRIS BRISENO 97</p> <p>59.64 OSIRIS BRISENO 21</p> <p>59.87 CRIS ZOLTAK 22</p> <p>1:02.45 SCOTT C CASEY 20</p> <p>1:03.66 DOUG FULLING 23</p> <p>1:06.10 CHRIS HORNE 24</p> <p>1:06.43 G SCHAEFER 23</p> <p>1:08.43 STEWART HENDRIX 20</p> <p>1:08.94 DAVID KRAFT 21</p> <p>1:11.41 RYAN THIERBACH 23</p> <p>1:11.95 HAROLD COLLINS 23</p> <p>• 200 M. BACKSTROKE</p> <p>2:08.81 SERGEY MARINIUK 93</p> <p>2:21.67 OSIRIS BRISENO 21</p> <p>2:33.51 TODD RADEL 24</p> <p>2:44.94 ADAM OVERBEY 22</p> <p>2:48.03 M BEAUREGARD 23</p> <p>2:49.50 JEFF PICKETT 23</p> <p>2:49.78 ERIC JOHNSON 24</p> <p>3:06.47 ANDRUIS BURGGREN 19</p> <p>3:09.68 CASEY D CHEUNG 24</p> <p>• 50 M. BREASTSTROKE</p> <p>29.76 AARON BARTLESON 95</p> <p>30.31 ROBERT BUTCHER 24</p> <p>30.78 EALING JAHN 21</p> <p>30.94 STEVEN BERGEN 22</p> <p>32.94 TED MURPHY 23</p> <p>32.97 RICHARD SLAWINSKI 24</p> <p>33.12 TODD RADEL 24</p> <p>33.15 STEPHAN JOE 22</p> <p>33.46 STEPHEN SO 23</p> <p>34.34 MARK MAYHEW 23</p> <p>34.67 ARI STRAUSS 22</p> <p>• 100 M. BREASTSTROKE</p> <p>1:05.52 TODD RADEL 96</p> <p>1:06.29 ROBERT BUTCHER 24</p> <p>1:09.12 STEVEN BERGEN 22</p> <p>1:10.72 RICHARD SLAWINSKI 24</p> <p>1:11.36 STEPHAN JOE 22</p> <p>1:11.54 TODD RADEL 24</p> <p>1:11.99 EALING JAHN 21</p> <p>1:13.52 STEPHEN SO 23</p> <p>1:15.02 JARON RUSSON 23</p> <p>1:16.47 MARK MAYHEW 23</p> <p>1:17.01 CHRIST TILGHMAN 20</p> <p>• 200 M. BREASTSTROKE</p> <p>2:22.78 TODD RADEL 96</p> <p>2:28.21 STEVEN BERGEN 22</p> <p>2:36.24 STEPHAN JOE 22</p> <p>2:37.23 ROB BUTCHER 24</p> <p>2:44.19 RICHARD SLAWINSKI 24</p> <p>2:45.34 BENJAMIN SOULE 24</p> <p>2:49.80 STEPHEN SO 23</p> <p>2:50.83 KENTARO TAKAHASHI 21</p> <p>2:52.07 KELVIN NG 20</p> <p>2:57.00 ERIC CROMBEZ 24</p> <p>3:19.97 CHARLES KIRKS 19</p> <p>• 50 M. BUTTERFLY</p> <p>26.24 JEFF FELTZER 95</p> <p>26.34 DAVID HUGHES 23</p> <p>26.82 OSIRIS BRISENO 21</p> <p>27.03 DOUG FULLING 23</p> <p>27.06 ED GOLDSTEIN 22</p> <p>27.22 CHARLIE WEISMAN 22</p> <p>28.24 DOVEN HOLLEY 19</p> <p>28.35 EALING JAHN 21</p> <p>28.40 KRIS GRABAREK 22</p> <p>28.51 STEPHEN SO 23</p> <p>28.66 TED MURPHY 23</p> <p>• 100 M. BUTTERFLY</p> <p>57.54 JEFF POPPELL 93</p> <p>1:00.05 WALTER BELL 22</p>	<p>1:01.26 CHARLIE WEISMAN 22</p> <p>1:01.65 DOUG FULLING 23</p> <p>1:02.41 JOSH WEIDAUER 21</p> <p>1:03.69 KRIS GRABAREK 22</p> <p>1:04.91 BROCK GREYER 24</p> <p>1:05.01 MARC ROBERT LEWIS 19</p> <p>1:05.56 STEPHAN JOE 22</p> <p>1:05.94 ERIC CAPALUPO 23</p> <p>1:07.63 CHRIST TILGHMAN 20</p> <p>• 200 M. BUTTERFLY</p> <p>2:07.64 JEFF POPPELL 93</p> <p>2:22.86 TODD RADEL 24</p> <p>3:00.05 M BEAUREGARD 23</p> <p>3:01.10 JEFF PICKETT 23</p> <p>3:01.41 ERIC JOHNSON 24</p> <p>3:30.11 TIN DO 23</p> <p>• 100 M. INDIVIDUAL MEDLEY</p> <p>59.18 AARON BARTLESON 95</p> <p>1:01.66 OSIRIS BRISENO 21</p> <p>1:02.18 ED GOLDSTEIN 22</p> <p>1:02.38 KEVIN LEGROW 22</p> <p>1:03.62 EALING JAHN 21</p> <p>1:04.22 STEVEN BERGEN 22</p> <p>1:04.56 RICHARD SLAWINSKI 24</p> <p>1:04.64 DOUG FULLING 23</p> <p>1:05.95 TODD RADEL 24</p> <p>1:06.10 STEPHEN SO 23</p> <p>1:06.69 STEPHAN JOE 22</p> <p>• 200 M. INDIVIDUAL MEDLEY</p> <p>2:08.88 SERGEY MARINIUK 93</p> <p>2:22.03 TODD RADEL 24</p> <p>2:22.34 DOUG FULLING 23</p> <p>2:23.42 STEPHAN JOE 22</p> <p>2:24.94 CHRIS HORNE 24</p> <p>2:25.94 ERIC NEWTON 24</p> <p>2:26.13 OSIRIS BRISENO 21</p> <p>2:28.01 JARON RUSSON 23</p> <p>2:28.44 CRAIG ROBERTS 23</p> <p>2:30.48 STEPHEN SO 23</p> <p>2:34.88 KRIS GRABAREK 22</p> <p>• 400 M. INDIVIDUAL MEDLEY</p> <p>4:28.54 SERGEY MARINIUK 93</p> <p>5:09.23 TODD RADEL 24</p> <p>5:22.06 JARON RUSSON 23</p> <p>5:43.17 KELVIN NG 20</p> <p>5:49.35 JEFF PICKETT 23</p> <p>6:04.25 M BEAUREGARD 23</p> <p>6:27.59 CHARLES KIRKS 19</p>	<p>2:03.48 DAN WEGNER 26</p> <p>2:04.04 TRISTAN FORMON 25</p> <p>2:04.22 ED G OWEN 26</p> <p>2:05.97 MICHAEL BANDOW 28</p> <p>2:06.43 STUART A BARTON 29</p> <p>2:07.28 JEREMY PECORA 29</p> <p>2:08.74 ANDREW FARRELL 27</p> <p>2:09.28 PAUL SKOGLUND 29</p> <p>2:10.44 NEILL WILLIAMS 29</p> <p>• 400 M. FREESTYLE</p> <p>3:58.23 ALEX KOSTICH 97</p> <p>3:58.23 ALEX KOSTICH 27</p> <p>4:24.52 WINSTON RITCHEY 29</p> <p>4:28.13 MICHAEL INGARDIA 27</p> <p>4:29.77 MICHAEL BANDOW 28</p> <p>4:36.30 JAMES TASCHKE 26</p> <p>4:37.33 PAUL SKOGLUND 29</p> <p>4:38.97 ED G OWEN 26</p> <p>4:41.78 STEVE STONEHAM 26</p> <p>4:44.95 STUART A BARTON 29</p> <p>4:46.84 ROBERT UNRUH 25</p> <p>• 800 M. FREESTYLE</p> <p>8:14.75 ALEX KOSTICH 97</p> <p>8:14.75 ALEX KOSTICH 27</p> <p>9:25.96 MICHAEL INGARDIA 27</p> <p>9:28.90 JEFFREY JOTZ 27</p> <p>9:30.10 ED G OWEN 26</p> <p>9:56.33 KEITH GAST 28</p> <p>10:17.08 HUGH MURRAY 25</p> <p>10:22.85 TODD M YENCHE 27</p> <p>10:49.26 MATTHEW BUFFEBEN 28</p> <p>10:55.90 ARMAND SINDONI 25</p> <p>11:00.12 JOHN LAPP 29</p> <p>• 1500 M. FREESTYLE</p> <p>15:41.81 ALEX KOSTICH 97</p> <p>15:41.81 ALEX KOSTICH 27</p> <p>17:43.46 MICHAEL INGARDIA 27</p> <p>18:31.78 ED G OWEN 26</p> <p>18:57.77 STEVE STONEHAM 26</p> <p>19:06.93 KEITH GAST 28</p> <p>19:42.18 DOUG FADEL 28</p> <p>19:55.59 DAN FROST 29</p> <p>20:26.03 TIM STREB 29</p> <p>20:33.78 MICHAEL BAUER 28</p> <p>20:35.75 DOUG CLARK 29</p> <p>• 50 M. BACKSTROKE</p> <p>26.00 MICHAEL KANNER 95</p> <p>26.70 DEREK ROBINSON 28</p> <p>28.60 CURTIS SAWIN 26</p> <p>28.71 ROBERT BERRY 29</p> <p>29.61 ROBERT KABACY 29</p> <p>29.65 WILL LANE 26</p> <p>29.73 CHRIS BENEDICK 25</p> <p>30.02 BRAD SCHMIDT 25</p> <p>30.13 ANDREW FARRELL 27</p> <p>30.38 ERIC W WINKKY 28</p> <p>30.61 DAN WEGNER 26</p> <p>• 100 M. BACKSTROKE</p> <p>55.76 JOHN KEPPELER 95</p> <p>1:01.50 ROBERT BERRY 29</p> <p>1:02.89 BLAKE C PORCH 26</p> <p>1:03.19 DEREK ROBINSON 28</p> <p>1:04.02 TRISTAN FORMON 25</p> <p>1:04.54 DAN WEGNER 26</p> <p>1:05.05 CHAPPIE DE HAVEN 28</p> <p>1:05.47 ERIC W WINKKY 28</p> <p>1:05.47 HORST NIEHAUS 29</p> <p>1:06.69 R BURGHOLZER 28</p> <p>1:06.81 CHRISTOPHER WOOD 29</p> <p>• 200 M. BACKSTROKE</p> <p>2:02.63 JOHN KEPPELER 95</p> <p>2:14.31 ROBERT BERRY 29</p> <p>2:28.97 WARD LOWE 25</p> <p>2:35.24 MICHAEL MAHONEY 28</p> <p>2:36.95 MATTHEW CRAIG 26</p> <p>2:39.21 PER W CASEY 29</p> <p>2:39.80 ERIC ASKILSRUD 25</p> <p>2:42.27 MATTHEW BUFFEBEN 28</p>
<p>MEN 25-29</p>			
<p>• 50 M. FREESTYLE</p> <p>22.48 PEEL/WAGNER 96</p> <p>24.03 ED WAGNER 26</p> <p>24.39 JON TEAL 26</p> <p>24.42 WINSTON RITCHEY 29</p> <p>24.43 BYRON DAVIS 27</p> <p>24.60 ALEC STRELTSON 27</p> <p>24.93 ROBERT KABACY 29</p> <p>24.94 ED G OWEN 26</p> <p>25.03 DAN WEGNER 26</p> <p>25.07 JEFFREY RODDIN 28</p> <p>25.11 ROBERT LEONARD 28</p> <p>• 100 M. FREESTYLE</p> <p>49.91 BJORN ZIKARSKY 95</p> <p>53.56 ED WAGNER 26</p> <p>53.92 DAN WEGNER 26</p> <p>54.33 WINSTON RITCHEY 29</p> <p>54.67 ED G OWEN 26</p> <p>54.72 CURTIS SAWIN 26</p> <p>54.76 JON TEAL 26</p> <p>55.61 ROBERT KABACY 29</p> <p>55.88 MARCEL RINZLER 26</p> <p>55.88 GERALD OMARA 27</p> <p>56.76 STUART A BARTON 29</p> <p>• 200 M. FREESTYLE</p> <p>1:48.81 JOHN KEPPELER 95</p> <p>2:02.88 TODD MERCER 29</p>	<p>22.48 PEEL/WAGNER 96</p> <p>24.03 ED WAGNER 26</p> <p>24.39 JON TEAL 26</p> <p>24.42 WINSTON RITCHEY 29</p> <p>24.43 BYRON DAVIS 27</p> <p>24.60 ALEC STRELTSON 27</p> <p>24.93 ROBERT KABACY 29</p> <p>24.94 ED G OWEN 26</p> <p>25.03 DAN WEGNER 26</p> <p>25.07 JEFFREY RODDIN 28</p> <p>25.11 ROBERT LEONARD 28</p> <p>• 100 M. FREESTYLE</p> <p>49.91 BJORN ZIKARSKY 95</p> <p>53.56 ED WAGNER 26</p> <p>53.92 DAN WEGNER 26</p> <p>54.33 WINSTON RITCHEY 29</p> <p>54.67 ED G OWEN 26</p> <p>54.72 CURTIS SAWIN 26</p> <p>54.76 JON TEAL 26</p> <p>55.61 ROBERT KABACY 29</p> <p>55.88 MARCEL RINZLER 26</p> <p>55.88 GERALD OMARA 27</p> <p>56.76 STUART A BARTON 29</p> <p>• 200 M. FREESTYLE</p> <p>1:48.81 JOHN KEPPELER 95</p> <p>2:02.88 TODD MERCER 29</p>	<p>22.48 PEEL/WAGNER 96</p> <p>24.03 ED WAGNER 26</p> <p>24.39 JON TEAL 26</p> <p>24.42 WINSTON RITCHEY 29</p> <p>24.43 BYRON DAVIS 27</p> <p>24.60 ALEC STRELTSON 27</p> <p>24.93 ROBERT KABACY 29</p> <p>24.94 ED G OWEN 26</p> <p>25.03 DAN WEGNER 26</p> <p>25.07 JEFFREY RODDIN 28</p> <p>25.11 ROBERT LEONARD 28</p> <p>• 100 M. FREESTYLE</p> <p>49.91 BJORN ZIKARSKY 95</p> <p>53.56 ED WAGNER 26</p> <p>53.92 DAN WEGNER 26</p> <p>54.33 WINSTON RITCHEY 29</p> <p>54.67 ED G OWEN 26</p> <p>54.72 CURTIS SAWIN 26</p> <p>54.76 JON TEAL 26</p> <p>55.61 ROBERT KABACY 29</p> <p>55.88 MARCEL RINZLER 26</p> <p>55.88 GERALD OMARA 27</p> <p>56.76 STUART A BARTON 29</p> <p>• 200 M. FREESTYLE</p> <p>1:48.81 JOHN KEPPELER 95</p> <p>2:02.88 TODD MERCER 29</p>	<p>22.48 PEEL/WAGNER 96</p> <p>24.03 ED WAGNER 26</p> <p>24.39 JON TEAL 26</p> <p>24.42 WINSTON RITCHEY 29</p> <p>24.43 BYRON DAVIS 27</p> <p>24.60 ALEC STRELTSON 27</p> <p>24.93 ROBERT KABACY 29</p> <p>24.94 ED G OWEN 26</p> <p>25.03 DAN WEGNER 26</p> <p>25.07 JEFFREY RODDIN 28</p> <p>25.11 ROBERT LEONARD 28</p> <p>• 100 M. FREESTYLE</p> <p>49.91 BJORN ZIKARSKY 95</p> <p>53.56 ED WAGNER 26</p> <p>53.92 DAN WEGNER 26</p> <p>54.33 WINSTON RITCHEY 29</p> <p>54.67 ED G OWEN 26</p> <p>54.72 CURTIS SAWIN 26</p> <p>54.76 JON TEAL 26</p> <p>55.61 ROBERT KABACY 29</p> <p>55.88 MARCEL RINZLER 26</p> <p>55.88 GERALD OMARA 27</p> <p>56.76 STUART A BARTON 29</p> <p>• 200 M. FREESTYLE</p> <p>1:48.81 JOHN KEPPELER 95</p> <p>2:02.88 TODD MERCER 29</p>

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

2:44.14 JOHN LAPP 29	58.89 MARCEL RINZLER 26	4:23.04 ONDREJ BURES 31	33.57 MIKE HARRISON 32
2:47.65 JOEL A GARFINKLE 27	1:03.70 ROBERT BERRY 29	4:28.71 JAN HERRE 33	100 M. BREASTSTROKE
2:49.17 MICHAEL CATHEY 27	1:04.63 ED WAGNER 26	4:32.23 SCOTT YEOMANS 33	1:04.33 DAVID GUTHRIE 93
50 M. BREASTSTROKE	1:04.86 DEREK ROBINSON 28	4:32.46 D STEWART 33	1:11.39 BERT BERGEN 30
29.08 JOHN WALDMAN 89	1:05.41 DALE W WEBSTER 28	4:37.12 DALE MERCKER 30	1:12.27 S VANKUILENBURG 32
29.77 DAVE HUSTON 25	1:05.65 ERIC W WINKKY 28	4:39.59 MIKE NEAL 33	1:12.28 BRIAN HAYES 30
32.25 DEREK ROBINSON 28	1:05.65 BENJI DEMOTTE 26	4:39.63 J THIELE 30	1:12.49 ANDY LOVAN 31
32.44 DALE W WEBSTER 28	1:06.44 MICHAEL HALL 29	800 M. FREESTYLE	1:12.86 TOM NORTH CUTT 31
32.66 TONY REZEK 25	1:06.77 SQUIRE PAIGE 26	8:19.44 BRUCE HAYES 94	1:12.92 ERIC VAHN WAGNER 34
32.87 SQUIRE PAIGE 26	1:06.97 SCOTT THORPE 29	8:41.40 TIM NELSON 31	1:12.97 SCOTT YEOMANS 33
33.06 SCOTT THORPE 29	200 M. INDIVIDUAL MEDLEY	9:14.34 MICHAEL COLLINS 31	1:13.48 STEPHEN A STAHL 32
33.25 ROBERT IBA 26	2:05.93 JOHN KEPPELER 95	9:14.87 JAN HERRE 33	1:13.80 JAMES A AIRD 31
33.27 ROBERT ANDERSON 28	2:16.23 JEFFREY RODDIN 28	9:45.82 CHRIS MCGIFFIN 31	1:14.47 EDMUND GENDREAU 34
33.29 DALE HUGGINS 25	2:20.42 NEILL WILLIAMS 29	9:53.70 EDWARD BOCKIUS 31	200 M. BREASTSTROKE
33.33 JOHN ROGERS 27	2:21.26 MICHAEL INGARDIA 27	9:58.44 ERIC NORDLUND 33	2:24.86 DAVID GUTHRIE 94
33.33 JEFF FELTZER 26	2:21.70 WINSTON RITCHEY 29	10:02.47 STAN KRODER 32	2:37.89 BRIAN HAYES 30
100 M. BREASTSTROKE	2:21.70 BLAKE C PORCH 26	10:04.03 NEIL P LEARY 31	2:39.61 MICHAEL COLLINS 31
1:04.43 ABRAHAM SOLANO 96	2:23.78 DAN GUERRERA 27	10:29.53 MICHAEL LANE 30	2:40.73 S VANKUILENBURG 32
1:04.86 DAVE HUSTON 25	2:24.27 PAUL NEWSOM 27	10:36.75 KEN C CARBRY 33	2:43.75 BRANTLEY DETTMER 32
1:08.64 MARCEL RINZLER 26	2:25.56 BENJI DEMOTTE 26	1500 M. FREESTYLE	2:44.70 MARK LARSON 34
1:11.49 DALE W WEBSTER 28	2:29.36 JAMES COSIER 28	16:15.49 MIKE SHAFFER 95	2:45.51 ERIC NEILSEN 31
1:12.07 MICHAEL INGARDIA 27	2:31.34 SCOT RAAB 26	16:26.83 JEFF UTSCH 30	2:46.53 ROBERT FUENTES 33
1:12.17 TONY REZEK 25	400 M. INDIVIDUAL MEDLEY	16:42.56 MIKE SHAFFER 32	2:46.67 MATTHEW CONNERY 33
1:13.20 DAN GUERRERA 27	4:26.79 JOHN KEPPELER 95	18:05.86 MICHAEL COLLINS 31	2:47.12 MARTIN L LIVESEY 31
1:13.43 JOSHUA D COHEN 25	4:26.97 ALEX KOSTICH 27	18:10.29 ROBERT GEISE 33	2:51.76 MICHAEL LANE 30
1:13.79 SQUIRE PAIGE 26	4:33.56 MARCEL RINZLER 26	18:36.15 CHRIS MCGIFFIN 31	50 M. BUTTERFLY
1:13.90 EDWARD OCONNOR 28	5:10.83 GEOFFREY LOCKE 29	18:39.39 EDWARD BOCKIUS 31	25.06 MICHAEL BOTTOM 89
1:14.54 SCOTT THORPE 29	5:25.80 ALAN B LIU 25	19:00.81 BRENT BUNNELL 34	26.37 JIM HARVEY 31
200 M. BREASTSTROKE	5:27.31 BEN MORSE 25	19:06.12 SCOTT TOBIN 34	26.76 MIKE SHAFFER 32
2:20.43 ABRAHAM SOLANO 96	5:28.84 MATTHEW CRAIG 26	19:18.81 TOM LOMBARDO 31	27.64 BILL WINTERS 30
2:43.33 TONY REZEK 25	5:42.91 JAMES HARRINGTON 29	19:22.26 KEN ROBERTSON 32	27.83 STAN KRODER 32
2:44.95 DAVID KOVACH 29	5:46.04 DAVE ALLES 25	50 M. BACKSTROKE	27.88 MICHAEL GREEN 33
2:46.86 KEITH GAST 28	5:49.19 MICHAEL BAUER 28	26.58 JAY YARID 94	28.56 DAN BEATTY 31
2:47.12 COLIN PEELER 25	5:51.64 MATTHEW BUFFEBEN 28	28.20 JIM HARVEY 31	28.64 ROBERT YOUNG 33
2:47.68 RICK MORRIS 29		30.23 KIPP DYE 34	28.71 ARTHUR ZAWODNY 30
2:48.92 DAN FROST 29	MEN 30-34	30.54 MIKE DOWHY 34	28.79 MARK KOTHE 31
2:49.63 DALE HUGGINS 25		30.58 ARTHUR ZAWODNY 30	28.82 BILLY BURLEIGH 31
2:50.32 ALAN B LIU 25	50 M. FREESTYLE	30.61 SCOT SULLIVAN 30	100 M. BUTTERFLY
2:53.09 TAISUKE OGURA 25	23.59 ROBERT KILLEEN 93	30.74 MIKE SHAFFER 32	56.35 PETER EGAN 95
2:53.87 SHANNON WELCH 26	23.87 JIM HARVEY 31	30.75 TOM NORTH CUTT 31	58.10 MIKE SHAFFER 32
50 M. BUTTERFLY	24.08 BERT BERGEN 30	31.11 BRIAN HAYES 30	1:00.52 EDMUND GENDREAU 34
25.28 BYRON DAVIS 97	24.25 PAT HAYES 34	31.83 TOM PODMAJERSKY 34	1:01.90 STAN KRODER 32
25.28 BYRON DAVIS 27	24.83 MICHAEL GREEN 33	32.15 CLARK GENTRY 32	1:02.27 BRIAN CASEY 34
25.50 MARCEL RINZLER 26	25.03 MIKE SHAFFER 32	100 M. BACKSTROKE	1:02.64 J THIELE 30
26.02 DEREK ROBINSON 28	25.17 JERRY M KOLLROSS 34	56.83 JAY YARID 93	1:04.14 ONDREJ BURES 31
26.32 ED WAGNER 26	25.44 ROBERT YOUNG 33	1:01.20 JIM HARVEY 31	1:04.30 SCOTT TOBIN 34
26.42 JEFFREY RODDIN 28	25.49 STAN KRODER 32	1:03.37 PAT HAYES 34	1:04.33 GUNNAR GRANQUIST 32
27.13 WINSTON RITCHEY 29	25.56 RANDALL TURNER 32	1:03.43 BILL WINTERS 30	1:04.75 ROBERT YOUNG 33
27.22 ALEX WITTIG 29	25.72 BRIAN BENNETT 32	1:05.36 PAUL PERICICH 33	1:04.83 TOM NORTH CUTT 31
27.51 JEREMY PECORA 29	100 M. FREESTYLE	1:05.38 ERIC VAHN WAGNER 34	200 M. BUTTERFLY
27.74 ANDREW FARRELL 27	51.86 JAMES MONTGOMERY 89	1:05.85 DENNIS TESCH 32	2:04.59 MIKE SHAFFER 95
27.79 SQUIRE PAIGE 26	53.81 BERT BERGEN 30	1:06.03 DAVID KASTIGAR 33	2:08.20 MIKE SHAFFER 32
100 M. BUTTERFLY	53.86 PAT HAYES 34	1:06.09 ARTHUR ZAWODNY 30	2:16.91 JOCHEN THIELE 30
56.11 MARTIN HERRMANN 95	54.02 MIKE SHAFFER 32	1:06.56 TOM NORTH CUTT 31	2:18.85 STEPHEN A STAHL 32
57.35 BYRON DAVIS 27	54.08 JIM HARVEY 31	1:07.45 ONDREJ BURES 31	2:21.01 BRIAN CASEY 34
57.53 FRANK WATTLES 27	54.86 MICHAEL GREEN 33	200 M. BACKSTROKE	2:21.79 EDMUND GENDREAU 34
58.17 DEREK ROBINSON 28	55.77 JERRY M KOLLROSS 34	2:04.63 JAY YARID 93	2:23.46 ONDREJ BURES 31
59.37 JEFFREY RODDIN 28	55.83 KIPP DYE 34	2:12.13 JEFF UTSCH 30	2:26.56 D STEWART 33
1:00.43 MARCEL RINZLER 26	56.38 SCOTT YEOMANS 33	2:19.88 ERIC VAHN WAGNER 34	2:27.28 MICHAEL COLLINS 31
1:00.45 CURTIS SAWIN 26	56.77 ROBERT YOUNG 33	2:22.30 JOCHEN THIELE 30	2:28.91 BRUCE HOPSON 31
1:02.39 BENJI DEMOTTE 26	56.77 EDWARD BOCKIUS 31	2:23.39 PAUL PERICICH 33	2:33.91 ROBERT FUENTES 33
1:02.84 MATT WALTERS 26	200 M. FREESTYLE	2:26.54 D STEWART 33	100 M. INDIVIDUAL MEDLEY
1:03.40 MARK GOLDMAN 26	1:52.83 BRUCE HAYES 94	2:28.06 MIKE DOWHY 34	59.95 J. CLAY BRITT 92
1:03.81 SQUIRE PAIGE 26	1:57.63 MIKE SHAFFER 32	2:29.23 EDMUND GENDREAU 34	1:00.81 JIM HARVEY 31
200 M. BUTTERFLY	1:58.15 JEFF UTSCH 30	2:29.76 MICHAEL COLLINS 31	1:04.51 STAN KRODER 32
2:09.02 DOUG WAGNER 95	1:59.24 BERT BERGEN 30	2:30.01 BOB FISH 34	1:04.72 BORIS TALAN 33
2:16.96 ALEX KOSTICH 27	2:00.66 TIM NELSON 31	2:35.58 MICHAEL LANE 30	1:04.92 TOM NORTH CUTT 31
2:17.47 MICHAEL HALL 29	2:03.24 PAT HAYES 34	50 M. BREASTSTROKE	1:05.75 ERIC VAHN WAGNER 34
2:19.19 TRISTAN FORMON 25	2:04.82 SCOTT YEOMANS 33	29.21 DEAN PUTTERMAN 96	1:06.18 BRIAN HAYES 30
2:24.45 DAVID KOVACH 29	2:05.28 EDWARD BOCKIUS 31	29.88 WALLY DICKS 34	1:06.58 DAN BEATTY 31
2:30.26 JEREMY PECORA 29	2:05.52 MICHAEL NEAL 33	32.14 BERT BERGEN 30	1:06.68 ARTHUR ZAWODNY 31
2:30.74 BENJI DEMOTTE 26	2:05.92 DALE MERCKER 30	32.15 SCOTT YEOMANS 33	1:07.09 ERIC NEILSEN 31
2:35.81 ALAN B LIU 25	2:07.79 ONDREJ BURES 31	32.50 S VANKUILENBURG 32	1:07.29 SCOTT YEOMANS 33
2:37.94 MARK GOLDMAN 26	400 M. FREESTYLE	32.93 KAMAL P SHAH 30	200 M. INDIVIDUAL MEDLEY
2:50.49 MICHAEL BAUER 28	3:59.83 BRUCE HAYES 94	33.21 TOM NORTH CUTT 31	2:10.69 MICHAEL GREEN 96
2:50.87 MAMADOV DIALLO 28	4:05.71 JEFF UTSCH 30	33.34 JAMES A AIRD 31	2:20.95 MICHAEL COLLINS 31
100 M. INDIVIDUAL MEDLEY	4:13.50 TIM NELSON 31	33.45 MICHAEL LANE 30	2:21.93 MICHAEL GREEN 33
58.36 NEILL WILLIAMS 96	4:22.56 MICHAEL COLLINS 31	33.45 ERIC STEELMAN 33	2:22.25 BILL WINTERS 30

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

2:23.12 D STEWART 33	9:47.52 EDMUND GENDREAU 35	2:33.45 EDMUND GENDREAU 35	5:17.21 JON SMILEY 36
2:23.15 BRIAN CASEY 34	9:53.84 JAMES BOSWELL 36	2:35.38 BENN DOYLE 39	5:17.90 SCOTT RABALAIS 39
2:23.19 ERIC VAHN WAGNER 34	10:01.29 STEVE SHTAB 36	2:37.77 DANIEL ALLEN 35	5:21.21 RICHARD FORRESTEL 39
2:24.11 JAMES A AIRD 31	10:03.97 MARK RUBINO 38	2:38.87 PAT ALLANDER 39	5:22.36 JAMES BOSWELL 37
2:24.37 MICHAEL NEAL 33	▪ 1500 M. FREESTYLE	2:41.19 BRIAN KELCA 37	
2:24.37 STAN KRODER 32	17:25.79 ROB COPELAND 91	2:41.89 PAUL ANDERSON 37	MEN 40-44
2:24.88 ANDY LOVAN 31	17:27.84 AL JAEGER 35	2:45.88 RICH CALLAGHAN 35	
▪ 400 M. INDIVIDUAL MEDLEY	17:36.64 BUZZ HARPER 38	2:46.49 JOSE LANDRUA 38	▪ 50 M. FREESTYLE
4:35.97 BRUCE HAYES 94	18:00.05 SCOTT RABALAIS 39	2:46.62 CRAIG DALLAM 38	24.45 RICK ABBOTT 95
4:57.97 MICHAEL COLLINS 31	18:08.27 DAVID J BRANCAMP 36	2:50.92 JAMES ACKER 37	24.40 JOHN TUDOR 40NV
4:58.34 JOCHEN THIELE 30	18:24.74 WADE PRAEGER 35	▪ 50 M. BUTTERFLY	25.03 ERIC VAN BOER 42
4:58.68 JIM HARVEY 31	18:28.82 KARL KOLB 36	25.89 WILLIAM SPECHT 93	25.27 CHRIS DIXON 40
5:04.71 D STEWART 33	18:32.64 EDMUND GENDREAU 35	26.81 CHRIS DIXON 39	25.42 RICK ABBOTT 42
5:05.44 BRIAN CASEY 34	18:43.40 BILL STAEBELL 35	26.89 GEOFF HEIDKE 35	25.50 JACK GROSELLE 42
5:07.24 DENNIS TESCH 32	18:58.70 DANIEL ALLEN 35	27.02 EDMUND GENDREAU 35	25.86 GRIFF THOMPSON 42
5:07.69 ERIC VAHN WAGNER 34	18:59.38 DARRELL JETT 39	27.09 JOHN TUDOR 39	26.07 DAVID BOYD 42
5:11.11 MICHAEL NEAL 33	▪ 50 M. BACKSTROKE	27.11 BRIAN KELCA 37	26.48 NICK MERRILL 40
5:18.62 ERIC NEILSEN 31	26.84 CLAY BRITT 96	27.36 WILLIAM L SPECHT 39	26.58 JOHN FLETCHER 43
5:25.00 SCOTT TOBIN 34	28.46 MIKE FRAZER 36	27.61 KURT WIENANTS 35	26.73 BILL ADKISON 42
	28.96 AL JAEGER 35	27.93 TOM MEADE 39	▪ 100 M. FREESTYLE
MEN 35-39	30.00 RON J LAHER 39	28.16 PETER NUNAN 39	53.25 RICK ABBOTT 95
▪ 50 M. FREESTYLE	31.04 EDMUND GENDREAU 35	28.19 BRIAN PAKKALA 35	53.97 JOHN TUDOR 40
23.80 BRUCE STAHL 94	31.10 DAVID COTE 36	▪ 100 M. BUTTERFLY	55.99 GREGORY DOZER 40
24.45 PETER NUNAN 39	31.17 STEVE REIFENBERG 38	57.02 WILLIAM SPECHT 93	56.16 JACK GROSELLE 42
24.67 KURT WIENANTS 35	31.52 JOHN GLEASON 37	59.00 EDMUND GENDREAU 35	57.12 RICHARD S GARRETT 44
24.90 JOHN TUDOR 39	31.63 ALEX RAE-GRANT 39	1:00.06 BRIAN KELCA 37	57.31 LARRY WOOD 43
25.02 ED TSUZUKI 38	31.76 JAMES BOSWELL 37	1:01.03 GEOFF HEIDKE 35	57.43 LEE MENCH 44
25.14 GEOFF HEIDKE 35	32.35 KIRK E KOZLOWSKI 39	1:01.36 JASON CRIST 35	57.52 GRIFF THOMPSON 42
25.17 KIRK E KOZLOWSKI 39	▪ 100 M. BACKSTROKE	1:01.74 GERRY RODRIGUES 35	57.93 BILL ADKISON 42
25.71 CHRIS DIXON 39	58.25 CLAY BRITT 96	1:02.35 KURT WIENANTS 35	58.08 ERIC VAN BOER 42
25.85 JOHN D RING 39	1:00.84 MIKE FRAZER 36	1:03.08 DAVID COTE 37	58.83 JOHN CRAIG 43
25.94 JOE BLACK 38	1:02.48 AL JAEGER 35	1:03.46 JAMES BOSWELL 37	▪ 200 M. FREESTYLE
25.96 KEVIN AHERN 37	1:04.52 GARY QUINN 39	1:04.21 RAY A PECK 37	1:57.83 HESS YNTEMA 95
▪ 100 M. FREESTYLE	1:04.87 STEVE GEORGE 38	1:04.58 PAT ALLANDER 39	2:03.84 LARRY WOOD 43
53.30 PETER NUNAN 97	1:08.37 ALEX RAE-GRANT 39	▪ 200 M. BUTTERFLY	2:06.75 LEE MENCH 44
53.30 PETER NUNAN 39	1:08.59 BRIAN PAKKALA 35	2:06.48 WILLIAM SPECHT 94	2:08.00 RICK ABBOTT 42
54.63 JOHN TUDOR 39	1:09.35 DANIEL ALLEN 35	2:16.74 EDMUND GENDREAU 35	2:08.29 RICHARD S GARRETT 44
55.09 KIRK E KOZLOWSKI 39	1:09.49 PARKS WESSON 36	2:19.91 BRIAN KELCA 37	2:09.20 SCOTT BEGIN 40
55.14 KURT WIENANTS 35	1:09.78 EDMUND GENDREAU 35	2:22.92 GERRY RODRIGUES 35	2:09.52 DAVID SCHRADER 41
55.51 GERRY RODRIGUES 35	1:10.78 JONATHAN KLEIN 39	2:24.01 PARKS WESSON 36	2:09.83 JACK GROSELLE 42
55.88 MIKE FRAZER 36	▪ 200 M. BACKSTROKE	2:26.35 JAMES BOSWELL 37	2:09.92 DANIEL PICK 40
56.50 ED TSUZUKI 38	2:10.01 WILLIAM SPECHT 93	2:32.23 RICHARD FORRESTEL 39	2:11.31 STEVE SUSSEX 42
57.31 JON SMILEY 36	2:11.28 MIKE FRAZER 36	2:32.45 EWEN FERGUSON 36	2:12.97 MARK HEINRICH 40
57.86 PETER FREDERICK 38	2:14.06 J CLAY BRITT 36	2:34.17 KARL KOLB 36	▪ 400 M. FREESTYLE
57.87 PETER WORLAND 39	2:19.65 AL JAEGER 35	2:34.73 SCOTT RABALAIS 39	4:09.31 HESS YNTEMA 95
▪ 200 M. FREESTYLE	2:20.13 RON J LAHER 39	2:37.82 DANIEL ALLEN 35	4:29.41 SANDY MAC DONALD 41
1:57.31 L J MEISENHEIMER 94	2:22.87 BUZZ HARPER 38	▪ 100 M. INDIVIDUAL MEDLEY	4:30.73 LARRY WOOD 43
2:01.63 GERRY RODRIGUES 35	2:23.46 STEVE GEORGE 38	1:00.79 RICHARD HESS 92	4:31.25 ROB COPELAND 41
2:06.87 KIRK E KOZLOWSKI 39	2:26.64 DANIEL ALLEN 35	1:01.82 J CLAY BRITT 36	4:35.78 LEE MENCH 44
2:07.05 RAY A PECK 37	2:33.20 STEVE REIFENBERG 38	1:02.89 AL JAEGER 35	4:35.98 SCOTT BEGIN 40
2:07.14 BUZZ HARPER 38	2:34.57 JAMES BOSWELL 37	1:03.16 JOHN TUDOR 39	4:40.47 DANIEL PICK 40
2:07.86 JASON CRIST 35	2:36.33 JOHN GLEASON 37	1:03.23 EDMUND GENDREAU 35	4:40.91 DAVID SHEPHERD 42
2:07.95 SCOTT RABALAIS 39	▪ 50 M. BREASTSTROKE	1:03.91 BRIAN KELCA 37	4:41.55 JACK GROSELLE 43
2:08.13 JON SMILEY 36	30.77 BENN DOYLE 96	1:04.26 GERRY RODRIGUES 35	4:45.86 MARK HEINRICH 40
2:08.70 GARY QUINN 39	31.24 BENN DOYLE 39	1:04.60 DAVID COTE 36	4:47.46 STEVE SUSSEX 42
2:09.46 PETER WORLAND 39	31.89 GREG OXLEY 38	1:04.87 CHRIS DIXON 39	▪ 800 M. FREESTYLE
2:09.97 KARL KOLB 36	31.99 ALAN SMALLWOOD 38	1:05.50 PAUL STRICKER 37	8:49.83 HESS YNTEMA 95
▪ 400 M. FREESTYLE	32.33 JOHN TUDOR 39	1:05.72 BENN DOYLE 39	9:14.60 SANDY MAC DONALD 41
4:15.96 MIKE KECK 96	32.47 MORI PAULSEN 39	▪ 200 M. INDIVIDUAL MEDLEY	9:27.02 NEIL WASSERMAN 42
4:25.23 GERRY RODRIGUES 35	32.54 ROBERT FORGIT 36	2:14.75 MATT CLARK 94	9:32.36 DAVID SHEPHERD 42
4:27.00 BUZZ HARPER 38	32.83 JOSE LANDRUA 38	2:15.79 AL JAEGER 35	9:32.97 ROB COPELAND 41
4:31.03 SCOTT RABALAIS 39	32.95 RUSSELL KRETZ 35	2:16.17 KURT WIENANTS 35	9:36.00 SCOTT BEGIN 40
4:32.48 EDMUND GENDREAU 35	33.17 EDMUND GENDREAU 35	2:18.93 EDMUND GENDREAU 35	9:36.36 LEE MENCH 44
4:32.80 DOUG ASBURY 37	33.25 BRIAN KELCA 37	2:21.33 JASON CRIST 35	9:38.09 LARRY WOOD 43
4:34.34 KARL KOLB 36	▪ 100 M. BREASTSTROKE	2:22.94 JON SMILEY 36	9:40.01 DAVID SCHRADER 41
4:40.69 JAMES BOSWELL 37	1:07.25 RON SCHAFFER 96	2:24.41 BRIAN KELCA 37	10:05.08 MARK HEINRICH 40
4:45.41 BILL STAEBELL 35	1:09.98 BENN DOYLE 39	2:25.15 PAT ALLANDER 39	10:07.11 STEVE CLARK 44
4:46.93 STEVE SHTAB 36	1:10.47 GREG OXLEY 38	2:26.88 DANIEL ALLEN 35	▪ 1500 M. FREESTYLE
4:47.92 JIM MCFARLAND 39	1:11.17 EDMUND GENDREAU 35	2:28.34 STEVE GEORGE 38	16:51.71 HESS YNTEMA 95
▪ 800 M. FREESTYLE	1:12.01 DAVID COTE 37	2:28.38 PETER FREDERICK 38	17:54.69 LARRY WOOD 43
8:53.34 MIKE KECK 95	1:12.20 MORI PAULSEN 39	▪ 400 M. INDIVIDUAL MEDLEY	17:59.71 NEIL WASSERMAN 42
8:59.01 GERRY RODRIGUES 35	1:12.75 ROBERT FORGIT 36	4:45.60 MIKE KECK 95	18:01.20 ROB COPELAND 41
9:09.26 STEVEN FISHLER 35	1:12.86 DANIEL ALLEN 35	4:52.10 AL JAEGER 35	18:28.10 NED MAGGIORA 42
9:23.91 WILLIAM L SPECHT 39	1:13.27 ALAN SMALLWOOD 38	4:57.06 GERRY RODRIGUES 35	18:31.24 SCOTT BEGIN 40
9:32.34 KARL KOLB 36	1:14.66 RUSSELL KRETZ 35	4:52.20 EDMUND GENDREAU 35	18:44.97 DAVID SHEPHERD 42
9:38.97 SCOTT RABALAIS 39	1:14.82 BRIAN KELCA 37	5:07.21 DAVID COTE 37	18:59.06 GLENN WHARTON 43
9:46.96 DANIEL ALLEN 35	▪ 200 M. BREASTSTROKE	5:11.44 DANIEL ALLEN 35	19:23.62 DAVE HALE 41
	2:26.18 RON SCHAFFER 96	5:15.39 PAT ALLANDER 39	19:26.71 MARK GOWLER 40

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

19:40.82 ROB BASTIEN 44	27.72 BILLY GLASSTETTER 40	27.74 CRAIK DAVIS 46	1:06.74 TOD SPIEKER 49
• 50 M. BACKSTROKE	27.74 SANDY MAC DONALD 41	27.74 LELAND SWANSON 46	1:07.62 TIMOTHY HUESKEN 45
28.88 CLAY EVANS 94	28.18 DAVID BOYD 42	27.77 ROBERT BROWN 45	1:08.96 BILL DOW 46
29.75 MARK HEINRICH 40	28.67 JOHN CRAIG 43	27.88 CHUCK RELLER 46	1:09.22 WAYNE KING 45
29.78 JOHN TUDOR 40	28.71 CASEY SMITH 40	• 100 M. FREESTYLE	1:09.43 DICK W THOMAS 49
30.35 CLAY EVANS 44	28.78 JOHN PIECUCH 41	55.63 LEE MENCH 97	1:09.95 WILLIAM TINGLEY 47
31.02 WILLIAM LAMBERT 43	28.95 BILL ADKISON 42	55.63 LEE MENCH 45	1:10.53 FRANK THOMPSON 45
31.58 MICHAEL HAMM 40	• 100 M. BUTTERFLY	58.03 CRAIG BURNS 45	1:10.81 B RANSOM-NELSON 45
32.02 CHRIS DIXON 40	58.61 JAMES BELARDI 97	59.21 ROBERT PUELS 45	1:11.07 DANIEL ROGACKI 49
32.11 WARREN FISHER 41	58.61 JAMES BELARDI 40	59.66 TOD SPIEKER 49	1:11.41 STEVE MANN 45
32.28 ERIC VAN BOER 42	1:01.53 BILLY GLASSTETTER 40	59.89 STEVE HECK 48	• 200 M. BACKSTROKE
32.31 STEVE SUSSEX 42	1:02.29 JOHN CRAIG 43	1:00.20 JOHN QUINN 47	2:21.01 R TOD SPIEKER 97
32.48 BILL ADKISON 42	1:02.61 KERRY L O'BRIEN 40	1:00.21 MIKE B SHERRILL 47	2:21.01 TOD SPIEKER 49
• 100 M. BACKSTROKE	1:04.28 GREGORY DOZER 40	1:01.15 JOHN SPIRE 45	2:28.16 TIMOTHY HUESKEN 45
1:03.16 CLAY EVANS 95	1:05.39 SCOTT BEGIN 40	1:01.53 STEVE CLARK 45	2:31.30 FRANK THOMPSON 45
1:05.08 MARK HEINRICH 40	1:05.71 JOHN FEINSTEIN 42	1:01.72 DON C FOREAKER 45	2:32.88 B RANSOM-NELSO 45
1:06.54 CLAY EVANS 44	1:05.77 BILL ADKISON 42	• 200 M. FREESTYLE	2:34.27 JEFF STRNAD 45
1:07.79 RICHARD S GARRETT 44	1:06.76 THOMAS DENES 40	2:00.13 TIM BRODERICK 96	2:35.39 BILL DOW 46
1:08.13 RICK ABBOTT 42	1:06.79 DAVID BOYD 42	2:01.98 LEE MENCH 45	2:36.31 TOM COFFEY 46
1:09.78 ERIC VAN BOER 42	• 200 M. BUTTERFLY	2:03.41 JIM MC CONICA 47	2:36.92 BOB KOLONKOWSKI 49
1:10.55 LOU HORWITZ 44	2:08.46 JAMES BELARDI 97	2:06.10 TIM BRODERICK 46	2:37.26 WILLIAM TINGLEY 47
1:10.77 DAVID JACKSON 41	2:08.46 JAMES BELARDI 40	2:08.37 R TOD SPIEKER 49	2:40.10 JOHN SPIRE 45
1:10.89 WARREN FISHER 41	2:18.80 SANDY MAC DONALD 41	2:11.40 FRED SCHLICHER 49	• 50 M. BREASTSTROKE
1:11.43 FRED FARLEY 43	2:19.47 KERRY L O'BRIEN 40	2:12.71 JEFF STRNAD 45	31.83 ROBERT STRAND 95
1:13.04 FRANK MOCKLER 42	2:20.84 BILLY GLASSTETTER 40	2:13.06 MIKE SHERRILL 48	32.35 TOM LIEBHOLD 49
• 200 M. BACKSTROKE	2:21.41 SCOTT BEGIN 40	2:14.23 FRANK THOMPSON 45	33.47 ALLEN STARK 48
2:17.87 PAUL WINDRATH 94	2:23.51 JOHN CRAIG 43	2:15.61 BRYAN BATEMAN 49	33.71 PETER LAWLER 46
2:21.78 CLAY EVANS 44	2:26.21 NEIL WASSERMAN 42	2:16.45 DON C FOREAKER 45	34.12 ROBERT PUELS 45
2:25.13 MARK HEINRICH 40	2:30.67 DAVID SHEPHERD 42	• 400 M. FREESTYLE	34.29 WAYNE MC CAULEY 49
2:30.18 ALAN GODFREY 40	2:32.50 TOM HIEBER 40	4:18.44 TIM BRODERICK 96	34.64 BOB LIOTTA 46
2:31.79 RICHARD S GARRETT 44	2:33.36 ROBERT WRIGHT 43	4:21.37 JIM MC CONICA 47	35.07 STEVE HECK 48
2:33.67 LOU HORWITZ 44	• 100 M. INDIVIDUAL MEDLEY	4:28.71 TOD SPIEKER 49	35.30 SCOTT SCHLIEMAN 46
2:34.77 DAVID JACKSON 41	1:02.30 RIC COOLEY 89	4:30.49 LEE MENCH 45	35.51 DENNIS J WILSON 48
2:36.82 ERIC VAN BOER 42	1:01.79 JOHN TUDOR 40NV	4:42.49 JEFF STRNAD 45	35.73 WAYNE KING 45
2:40.35 SCOTT MC MILLEN 44	1:03.91 SPENCER C ELDRED 41	4:46.08 F THOMPSON 45	• 100 M. BREASTSTROKE
2:43.05 RON SCHAFFER 40	1:04.42 CHRIS DIXON 40	4:49.14 STEVE CLARK 47	1:09.44 ROBERT STRAND 95
2:44.34 BILL ADKISON 42	1:05.83 RICHARD S GARRETT 44	4:51.53 JOHN QUINN 47	1:13.94 ALLEN STARK 48
• 50 M. BREASTSTROKE	1:06.89 BILL ADKISON 42	4:56.73 TOM ELLISON 47	1:14.69 TIM BRODERICK 46
30.80 C MILTENBERGER 93	1:08.18 ERIC VAN BOER 42	4:56.73 BILL GARRETT 45	1:15.89 ROBERT PUELS 45
30.82 RON SCHAFFER 40	1:08.37 JACK GROSELLE 43	4:57.54 CHIP GLIDDEN 47	1:17.56 WAYNE MC CAULEY 49
31.30 SPENCER C ELDRED 41	1:08.87 ALAN GODFREY 40	• 800 M. FREESTYLE	1:18.20 PETER LAWLER 46
32.07 STEPHEN RODE 40	1:09.47 BRAD BERNKRANT 42	8:56.08 TIM BRODERICK 96	1:18.82 BOB LIOTTA 46
32.70 CHRIS DIXON 40	1:09.97 FRED FARLEY 43	9:14.22 TOD SPIEKER 49	1:18.89 JOHN DERR 48
33.17 JOHN TEMPLIN 43	• 200 M. INDIVIDUAL MEDLEY	9:21.59 JIM MC CONICA 47	1:19.59 TIMOTHY HUESKEN 45
33.54 BRAD BERNKRANT 42	2:15.07 SPENCE ELDRED 96	9:22.37 LEE MENCH 45	1:19.61 STEVEN E HAUFLE 45
33.56 ERIC D VAN BOER 42	2:22.30 GREGORY DOZER 40	9:56.57 F THOMPSON 45	1:19.79 DENNIS J WILSON 48
34.11 KARL KAZMAIER 42	2:25.38 RICHARD S GARRETT 44	10:06.36 DON C FOREAKER 45	• 200 M. BREASTSTROKE
34.36 PAUL FULLER 43	2:26.34 LARRY WOOD 43	10:40.60 MIKE T MC GOWAN 46	2:34.41 ROBERT STRAND 95
34.55 JON MAYFIELD 44	2:28.32 STEPHEN RODE 40	10:45.90 DAVID SICONOLFI 46	2:46.45 ALLEN STARK 48
• 100 M. BREASTSTROKE	2:29.48 RON SCHAFFER 40	10:50.32 TERRENCE LEE 47	2:47.98 JOHN DERR 48
1:06.50 RON SCHAFFER 97	2:30.22 ALAN GODFREY 40	10:52.71 MICHAEL MERRELL 49	2:51.07 STEVE HECK 48
1:06.50 RON SCHAFFER 40	2:33.76 JOHN TEMPLIN 43	10:59.82 A VANDERPLAS 45	2:51.81 DAVID LEVINSON 47
1:08.29 SPENCER C ELDRED 41	2:34.03 ROBERT BRISTOW 41	• 1500 M. FREESTYLE	2:53.24 BOB SELTZER 46
1:12.38 MICHAEL HAMM 40	2:34.30 SCOTT BEGIN 40	17:19.87 TIM BRODERICK 96	2:53.31 DANIEL ROGACKI 49
1:13.34 JOHN TEMPLIN 43	2:36.60 FRED FARLEY 43	17:24.70 JIM MC CONICA 47	2:53.34 SCOTT SCHLIEMAN 46
1:15.34 JAMES HUGUENARD 43	• 400 M. INDIVIDUAL MEDLEY	18:00.56 R TOD SPIEKER 49	2:53.53 WAYNE MC CAULEY 49
1:15.64 BRAD BERNKRANT 42	4:43.28 HESS YNTEMA 95	18:34.58 FRANK THOMPSON 45	2:54.57 DENNIS J WILSON 48
1:15.80 PAUL FULLER 43	5:07.37 NEIL WASSERMAN 42	18:57.93 JEFF STRNAD 45	2:56.48 BOB LIOTTA 46
1:16.30 ROBERT BRISTOW 41	5:12.12 CLAY EVANS 44	19:09.40 MIKE SHERRILL 48	• 50 M. BUTTERFLY
1:16.39 JON MAYFIELD 44	5:13.39 LARRY WOOD 43	19:46.45 JESS HICKERSON 45	27.08 DAN THOMPSON 93
1:16.80 JIM WILLIAMS 41	5:20.47 DAVID SHEPHERD 42	19:49.80 IAN THOMPSON 48	28.01 KEVIN MC CORMACK 45
• 200 M. BREASTSTROKE	5:24.02 BILL ADKISON 42	19:50.89 BRYAN BATEMAN 49	28.33 CRAIG BURNS 45
2:25.58 RON SCHAFFER 97	5:27.32 WILL REEVES 44	20:12.45 TOM ANDERSON 46	29.03 JOHN DERR 48
2:25.58 RON SCHAFFER 40	5:27.34 JACK GROSELLE 43	20:21.88 BILL GARRETT 45	29.07 WAYNE KING 45
2:38.28 STEPHEN RODE 40	5:37.95 ROBERT WRIGHT 43	• 50 M. BACKSTROKE	29.28 RUDY VAZMINA 47
2:43.54 JOHN TEMPLIN 43	5:39.36 JOHN CHAMBERS 42	29.33 ROBERT SMITH 89	29.42 STEVE HECK 48
2:44.00 JAMES HUGUENARD 43	5:41.73 STEPHEN FREEBORN 42	30.81 WAYNE KING 45	29.57 ROBERT PUELS 45
2:45.04 GREGORY HARRISON 44		31.47 TIMOTHY HUESKEN 45	29.60 DICK W THOMAS 49
2:48.66 JIM WILLIAMS 40	MEN 45-49	31.66 JOHN SPIRE 45	29.63 BRAD GLENN 48
2:51.59 JON MAYFIELD 44		31.66 BILL DOW 46	29.67 STEVEN E HAUFLE 45
2:52.43 BRAD BERNKRANT 42	• 50 M. FREESTYLE	32.49 WILLIAM TINGLEY 47	• 100 M. BUTTERFLY
2:53.52 JOHN NIXON 42	25.07 RICHARD ABRAHAMS 91	32.60 BOB KOLONKOWSKI 49	1:01.13 TOM PERRIN 96
2:53.71 PETER MCCANDLESS 41	25.78 LEE MENCH 45	32.88 TOD SPIEKER 49	1:02.66 KEVIN MCCORMACK 45
• 50 M. BUTTERFLY	26.35 ROBERT PUELS 45	32.91 ROBERT LAWTON 46	1:03.23 CRAIG BURNS 45
26.35 RICK ABBOTT 95	26.70 STEVE HECK 48	33.01 STEVE HECK 48	1:04.39 FRED SCHLICHER 49
26.99 JOHN TUDOR 40	26.74 BRYAN BATEMAN 49	33.06 STEVE MANN 45	1:04.91 JIM OSBURN 45
27.42 CHRIS DIXON 40	27.37 JOHN SPIRE 45	• 100 M. BACKSTROKE	1:05.70 JEFF STRNAD 45
27.45 CLAY EVANS 44	27.39 BRAD GLENN 48	1:04.94 PETER O'KEEFFE 95	1:06.46 LEE MENCH 45

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

1:07.76 STEVE HECK 48	1:02.20 DAVE QUIGGIN 52	2:36.82 JOHN PHILLIPS 50	3:13.77 JOHN ZEIGLER 51
1:07.86 DAVID LEVINSON 47	200 M. FREESTYLE	2:40.27 JOHN LAWRENCE 51	3:25.71 DENNIS MCMANUS 50
1:07.91 JOHN DERR 48	2:06.76 TIM BIRNIE 96	2:50.84 LARRY RAFFAELLI 54	100 M. INDIVIDUAL MEDLEY
1:08.08 MIKE B SHERRILL 47	2:07.78 TIM BIRNIE 52	2:51.01 DOUG RAWN 51	1:04.97 ROBERT STRAND 96
200 M. BUTTERFLY	2:13.52 RICHARD ARLUCK 51	2:55.06 JOHN QUANRUD 51	1:05.39 ROBERT STRAND 51
2:19.73 BOO GRANER GALLAS 96	2:13.77 KEEFE LODWIG 54	2:55.92 LASZLO EGER 52	1:06.28 DANIEL ROGACKI 50
2:27.52 RANDY B WILLIAMS 46	2:16.39 DANIEL ROGACKI 50	2:56.31 DONALD L GALINE 51	1:07.42 ANDREW MC PHERSON 50
2:30.87 FRED SCHLICHER 49	2:18.31 HUGH T WILDER 50	50 M. BREASTSTROKE	1:11.52 HUGH T WILDER 50
2:31.90 JEFF STRNAD 45	2:20.32 DONALD L GALINE 51	31.24 DON MCKENZIE 97	1:11.89 MICHAEL SLENKER 51
2:32.78 DAVID LEVINSON 47	2:20.90 ROBERT POILETMAN 53	31.24 DON MC KENZIE 50	1:12.94 JOHN PHILLIPS 50
2:35.16 GARY A BASTIE 47	2:21.48 DON M DAVIS 52	32.23 PAUL HENNE 51	1:13.18 MATT G POWERS 51
2:38.44 BOB KOLONKOWSKI 49	2:21.49 JACK ZAKIM 52	34.35 DANIEL ROGACKI 50	1:13.62 ROBERT SMITH 54
2:41.83 FRANK THOMPSON 45	2:22.20 HOP BAILEY 50	34.57 JIM DRAGON 53	1:13.68 DAVID UGARKOVICH 50
2:56.77 PAUL MCCLINTOCK 46	400 M. FREESTYLE	35.21 EDWARD NESSEL 52	1:14.74 JIM MCCLEERY 51
2:59.54 JOSEPH GOULET 47	4:40.16 ED CAZALET 92	35.90 ROBERT SMITH 54	200 M. INDIVIDUAL MEDLEY
3:13.29 MIKE MARKS 46	4:48.08 HUGH WILDER 50	35.98 MATT G POWERS 51	2:25.01 ROBERT STRAND 97
100 M. INDIVIDUAL MEDLEY	4:53.31 JOHN LAWRENCE 51	36.05 PETER OROSZLAN 53	2:25.01 ROBERT STRAND 51
1:04.80 ANDREW MCPHERSON 94	4:55.24 DAVE GEMMILL 50	36.38 RICK GOEDEN 50	2:32.45 DANIEL ROGACKI 50
1:07.41 LEE MENCH 45	4:58.55 DANIEL ROGACKI 50	36.42 DAVE FRANK 53	2:34.20 ANDREW MC PHERSON 50
1:07.83 STEVE HECK 48	5:02.27 JIM MCCLEERY 51	100 M. BREASTSTROKE	2:39.25 DAVE GEMMILL 50
1:07.89 ROBERT PUELS 45	5:13.98 DAVE QUIGGIN 52	1:09.96 ROBERT STRAND 96	2:43.66 DAVID UGARKOVICH 50
1:09.96 STEVE MANN 45	5:14.47 HOP BAILEY 50	1:10.23 DON MC KENZIE 50	2:44.35 JIM MCCLEERY 51
1:10.11 JOHN DERR 48	5:15.14 JOHN GRAHAM 51	1:10.47 ROBERT STRAND 51	2:44.97 MATT G POWERS 50
1:10.70 BILL DOW 46	5:18.78 WILLIAM HERZER 50	1:15.49 DANIEL ROGACKI 50	2:46.96 RICHARD SMITH 51
1:10.80 BRAD GLENN 48	5:21.38 KIRK CHIAPPELLA 50	1:16.95 PAUL HENNE 51	2:49.32 JOHN GRAHAM 51
1:11.91 PETER LAWLER 46	800 M. FREESTYLE	1:19.04 EDWARD NESSEL 52	2:50.12 RICK GOEDEN 50
1:12.01 F THOMPSON 45	9:49.95 ED CAZALET 92	1:20.57 DAVE FRANK 53	400 M. INDIVIDUAL MEDLEY
1:12.07 GLENN A STOREY 48	10:23.17 JIM MCCLEERY 51	1:21.01 TIMOTHY MILLER 51	5:18.19 ANDREW MCPHERSON 97
200 M. INDIVIDUAL MEDLEY	10:42.74 DANIEL ROGACKI 50	1:21.10 DAVID UGARKOVICH 50	5:18.19 ANDREW MC PHERSON 50
2:22.79 TIM BRODERICK 97	10:44.90 RICHARD SMITH 51	1:21.23 CHRIS JONES 51	5:28.33 DANIEL ROGACKI 50
2:22.79 TIM BRODERICK 46	10:45.61 RICHARD ARLUCK 51	1:22.25 DON M DAVIS 52	5:34.06 DAVE GEMMILL 50
2:29.49 LEE MENCH 45	10:48.97 HOP BAILEY 50	1:22.25 JESSE B SMYERS 51	5:57.31 BARRY RICH 50
2:29.80 STEVE HECK 48	10:55.61 CHRIS JENSEN 50	200 M. BREASTSTROKE	6:00.06 RICHARD SMITH 51
2:32.75 STEVEN E HAUFLE 45	11:03.78 DOUGLAS SELBY 52	2:34.71 ROBERT STRAND 96	6:01.74 HOP BAILEY 50
2:34.37 F THOMPSON 45	11:04.33 JOHN GRAHAM 51	2:35.39 ROBERT STRAND 51	6:10.82 JOHN GRAHAM 51
2:38.19 SCOTT W MCNEALUS 45	11:16.42 DAVE QUIGGIN 52	2:48.46 DANIEL ROGACKI 50	6:19.62 DENNIS MATYKO 50
2:39.36 ROBERT BROWN 45	11:26.68 GUY LEWIS 54	2:50.24 DAVE GEMMILL 50	6:26.03 JOHN ZEIGLER 51
2:39.93 STEVE VAN NORT 46	1500 M. FREESTYLE	2:58.21 STEVE PETERSON 51	6:33.29 DICK PITMAN 53
2:40.48 BOB SELTZER 46	18:45.18 RICHARD BOYD 94	2:58.85 ROBERT POILETMAN 53	
2:42.76 PAT SAVAGE 46	19:33.49 HUGH T WILDER 50	3:01.89 STEVE BARDEN 52	MEN 55-59
400 M. INDIVIDUAL MEDLEY	20:03.70 DANIEL ROGACKI 50	3:02.27 DOUGLAS SANDERS 51	
5:09.35 TIM BRODERICK 97	20:52.67 WILLIAM HERZER 50	3:03.04 PHIL WHITTEN 54	50 M. FREESTYLE
5:09.35 TIM BRODERICK 46	20:58.64 DOUGLAS SELBY 52	3:03.91 CHRIS JONES 51	26.60 DONALD HILL 89
5:16.18 RANDY B WILLIAMS 46	21:19.13 ROBERT GINNS 50	3:05.57 DON M DAVIS 52	26.99 FRANS NELSON 55
5:27.13 DAVID LEVINSON 47	21:32.67 JOHN GRAHAM 51	50 M. BUTTERFLY	27.42 JACK GEOGHEGAN 55
5:31.56 TOM COFFEY 46	21:40.55 GUY LEWIS 54	28.38 KEEFE LODWIG 96	27.88 RICHARD BASSI 56
5:36.48 F THOMPSON 45	21:59.99 KARL VON TAGEN 54	28.49 BOO GRANER GALLAS 50	28.32 MIKE FRESHLEY 56
5:46.91 IAN THOMPSON 47	22:01.34 DONALD KROEGER 53	28.57 NICK LECLERCQ 50	28.80 JERRY KATZ 59
5:47.83 BOB KOLONKOWSKI 49	23:05.21 KEN M BURR 52	28.82 ANDREW MC PHERSON 50	29.16 JAMES KRUEGER 58
5:50.39 TERRENCE LEE 47	50 M. BACKSTROKE	29.02 KEEFE LODWIG 54	29.39 WILL GOSNOLD 57
5:57.39 GLENN A STOREY 47	29.50 HUGH WILDER 97	29.15 DANIEL ROGACKI 50	29.60 MATT CHROSTOWSKI 55
5:57.41 LELAND SWANSON 46	29.50 HUGH WILDER 50	29.24 JOEL BURNS 51	29.97 TOM LANDIS 55
	30.21 TIM BIRNIE 52	29.38 STUART VANCE 50	30.12 ROLFFS PINKERTON 58
MEN 50-54	31.16 DANIEL ROGACKI 50	29.62 MICHAEL SLENKER 51	100 M. FREESTYLE
50 M. FREESTYLE	31.52 ROBERT SMITH 54	29.81 RICHARD ARLUCK 51	59.49 JACK GEOGHEGAN 97
25.72 DANIEL ROGACKI 97	31.58 JOHN PHILLIPS 50	29.88 HUGH T WILDER 50	59.49 JACK GEOGHEGAN 55
25.72 DANIEL ROGACKI 50	33.69 ROBERT VAN FOSSAN 51	100 M. BUTTERFLY	1:02.69 MIKE FRESHLEY 56
25.88 ANDREW MC PHERSON 50	35.13 DAVE FRANK 53	1:02.54 BOO GRANER GALLAS 97	1:02.86 EDWARD G CAZALET 55
26.10 KEEFE LODWIG 54	35.13 CHRIS JENSEN 50	1:02.54 BOO GRANER GALLAS 50	1:03.35 RICHARD BASSI 56
26.78 RICHARD ARLUCK 51	35.44 DAVE QUIGGIN 52	1:03.67 ANDREW MC PHERSON 50	1:06.39 STEVE THRASHER 55
26.80 HUGH WILDER 50	35.50 MATT G POWERS 51	1:04.04 NICK LECLERCQ 50	1:06.95 WILL GOSNOLD 57
27.08 STUART VANCE 50	100 M. BACKSTROKE	1:05.48 JOEL BURNS 51	1:07.50 MATT CHROSTOWSKI 55
27.23 MICHAEL SLENKER 51	1:04.17 HUGH WILDER 97	1:07.98 ROBERT POILETMAN 53	1:07.62 GORDON DEMEESTER 55
27.39 JOHN STEARNS 52	1:04.17 HUGH WILDER 50	1:08.35 DANIEL ROGACKI 50	1:08.51 DANIEL DAVIS 55
27.74 DAVE QUIGGIN 52	1:05.05 TIM BIRNIE 52	1:08.48 BARRY RICH 50	1:10.17 TOM LANDIS 55
27.77 RICK GOEDEN 50	1:08.74 DANIEL ROGACKI 50	1:08.89 DAVE GEMMILL 50	200 M. FREESTYLE
100 M. FREESTYLE	1:10.17 JOHN PHILLIPS 50	1:09.70 JOSEPH COPLAN 51	2:13.20 JACK GEOGHEGAN 97
56.63 KEEFE LODWIG 96	1:10.98 ROBERT STRAND 51	1:09.82 PAUL MONOHON 51	2:13.20 JACK GEOGHEGAN 55
57.20 KEEFE LODWIG 54	1:13.92 EDWARD MATHEWSON 51	200 M. BUTTERFLY	2:18.41 EDWARD G CAZALET 55
57.25 ANDREW MC PHERSON 50	1:15.22 JACK ZAKIM 52	2:21.58 BOO GRANER GALLAS 97	2:22.32 STEVE THRASHER 55
57.95 TIM BIRNIE 52	1:15.94 CHRIS JENSEN 50	2:21.58 BOO GRANER GALLAS 50	2:26.79 MIKE FRESHLEY 56
58.92 DANIEL ROGACKI 50	1:16.06 ROBERT VAN FOSSAN 51	2:28.11 NICK LECLERCQ 50	2:32.60 GORDON DEMEESTER 55
59.05 HUGH WILDER 50	1:17.37 WALTER A ROHLFING 53	2:30.30 ROBERT POILETMAN 53	2:32.75 DANIEL DAVIS 55
59.46 ROBERT STRAND 51	200 M. BACKSTROKE	2:33.59 JOEL BURNS 51	2:33.67 WILL GOSNOLD 57
1:00.51 STUART VANCE 50	2:24.18 TIM BIRNIE 97	2:45.91 FRANCIS DANN 51	2:34.49 PATRICK SCHLUP 57
1:00.70 RICHARD ARLUCK 52	2:24.18 TIM BIRNIE 52	2:58.34 DICK PITMAN 53	2:36.48 JIM MYERBERG 55
1:01.95 DONALD L GALINE 51	2:31.29 HUGH T WILDER 50	2:59.18 PAULO FIGUEIREDO 51	2:37.95 MATT CHROSTOWSKI 55
	2:36.04 DANIEL ROGACKI 50	3:13.38 JOHN ZEIGLER 51	400 M. FREESTYLE

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

4:48.69 JACK GEOGHEGAN 97	39.14 WALT REID 57	2:37.51 ED CAZALET 97	11:45.26 A EMORY HAWORTH 61
4:48.69 JACK GEOGHEGAN 55	39.29 JAMES KRUEGER 58	2:37.51 EDWARD G CAZALET 55	11:45.64 BARRY A FASBENDER 60
4:52.21 EDWARD G CAZALET 55	40.71 RICKY EVANS 56	2:39.79 JACK GEOGHEGAN 55	11:47.46 JOHN KALAS 64
4:58.92 TEGZE HARASZTI 56	40.77 MEL DYCK 56	2:47.25 MIKE FRESHLEY 56	11:50.18 LARRY GOOD 63
5:28.04 MIKE FRESHLEY 56	40.96 ERIC JENSEN 55	2:47.97 STEVE THRASHER 56	12:42.40 JAMES JOHNSEN 62
5:38.65 DANIEL DAVIS 55	• 100 M. BREASTSTROKE	2:48.04 ERIC JENSEN 55	13:03.72 CHARLES MAAS 63
5:41.71 ROBERT TESCH 56	1:16.32 MANUEL SANGUILY 88	2:55.94 RICKY EVANS 56	13:09.99 MIKE MILLIMAN 63
5:41.73 MATT CHROSTOWSKI 55	1:22.84 MIKE FRESHLEY 56	2:56.01 PATRICK SCHLUP 57	13:13.53 RONALD J NICOLAS 60
5:53.83 JERRY GLANCY 59	1:23.38 PETER R BETZER 55	3:02.22 WILLIAM CROWLEY 58	• 1500 M. FREESTYLE
5:59.75 RICHARD MONAHAN 55	1:25.46 JIM PERILMAN 58	3:09.95 LAWRENCE DOFFING 57	19:48.44 GRAHAM JOHNSTON 95
6:07.82 RICK TREVISION 55	1:29.19 MEL DYCK 56	3:14.04 JOE BOLZE 57	21:34.83 DAVID RADCLIFF 63
• 800 M. FREESTYLE	1:30.00 WALT REID 57	• 400 M. INDIVIDUAL MEDLEY	22:17.68 LARRY GOOD 63
10:12.80 DRURY GALLAGHER 95	1:31.19 WILLIAM CROWLEY 58	5:30.62 DRURY GALLAGHER 95	23:04.94 BARRY FASBENDER 60
11:23.32 PATRICK SCHLUP 57	1:31.80 LOU GADOL 55	6:02.62 ERIC JENSEN 55	24:10.32 JAMES JOHNSEN 62
11:33.48 ROBERT TESCH 56	1:32.24 ERIC JENSEN 55	6:09.24 STEVE THRASHER 56	24:12.09 CHARLES MAAS 63
13:12.45 WILLIAM MELCHIOR 55	1:33.55 DOUG MESSINEO 57	6:15.78 MIKE FRESHLEY 56	24:25.52 KONRAD EULER 62
13:28.88 EDWARD MORGAN 58	1:34.52 LANDON KIRCHNER 59	6:19.54 PETER R BETZER 55	24:36.41 BOB MCKINNON 60
13:57.47 JOHN FOLWELL 57	• 200 M. BREASTSTROKE	6:23.19 RICKY EVANS 56	25:00.16 MIKE MILLIMAN 63
14:13.75 CARSTEN WILMS 57	2:49.96 DRURY GALLAGHER 95	6:25.86 GORDON DEMEESTER 55	25:17.52 DICK CHISHOLM 62
14:35.83 JOHN P KOPSKY 57	2:50.88 TEGZE HARASZTI 56	6:37.64 WILLIAM CROWLEY 58	25:25.03 TOM MITCHELL 64
14:46.83 JIM ANDERSON 55	3:01.82 MIKE FRESHLEY 56	7:06.43 LANDON KIRCHNER 59	• 50 M. BACKSTROKE
15:04.27 CARL HOUSE 58	3:03.54 MIKE LAUX 56	7:12.89 JIM PERILMAN 58	34.05 JACK BEATTIE 94
15:20.71 ART HALE 55	3:08.28 PETER R BETZER 55	7:21.74 DOUG MESSINEO 57	35.31 BILL EARLEY 61
• 1500 M. FREESTYLE	3:12.67 WILLIAM CROWLEY 58		36.25 DAVID MCINTYRE 60
19:18.99 JACK GEOGHEGAN 97	3:17.22 JIM PERILMAN 58	MEN 60-64	36.60 MARSHALL GREER 60
19:18.99 JACK GEOGHEGAN 55	3:22.43 WALT REID 57	• 50 M. FREESTYLE	37.60 WILLIAM J RADACK 60
20:02.62 TEGZE HARASZTI 56	3:25.18 DOUG MESSINEO 57	27.78 JEFF FARRELL 97	38.78 RICHARD WEICK 63
21:47.23 ROBERT TESCH 56	3:28.93 BILL MACKAY 55	27.78 JEFF FARRELL 60	38.97 GEORGE THAYER 61
22:07.33 BOB HOPKINS 55	3:35.15 RALPH JOHANSON 57	28.38 CAV CAVANAUGH 62	39.04 BARRY FASBENDER 60
25:03.15 DOUGLAS KOOP 56	• 50 M. BUTTERFLY	28.93 JERRY CLARK 60	39.29 ALAN RAPPERPORT 63
25:44.24 EDWARD MORGAN 58	29.78 RICHARD BASSI 96	29.26 DAVID RADCLIFF 63	39.54 LARRY GOOD 63
27:02.84 MARTIN HELMER 57	30.04 RICHARD BASSI 56	30.09 BILL EARLEY 61	39.68 AMAR LATHI 61
27:35.33 GUY LOFTIN 55	30.95 MIKE FRESHLEY 56	30.15 GEORGE THAYER 61	• 100 M. BACKSTROKE
28:16.20 BERNARD SIMBARI 55	31.39 DAVID GILLANDERS 58	30.84 SID HALL 61	1:13.55 JACK BEATTIE 94
28:29.03 FRANK FARRELL 59	32.33 FRANS NELSON 55	31.09 WILLIAM J RADACK 60	1:17.66 BILL EARLEY 61
• 50 M. BACKSTROKE	32.47 JAMES KRUEGER 58	31.31 STEVE ALLEN 60	1:21.39 MARSHALL GREER 60
32.69 YOSHI OYAKAWA 89	33.13 JERRY KATZ 59	31.64 A EMORY HAWORTH 61	1:25.41 ALAN RAPPERPORT 63
32.69 JACK GEOGHEGAN 55	34.47 TOM LANDIS 55	• 100 M. FREESTYLE	1:25.81 WILLIAM J RADACK 60
32.95 STEVE THRASHER 55	34.67 ERIC JENSEN 55	1:02.08 BOB BAILIE 95	1:26.43 C DENNY SAUNDERS 64
33.98 FRANS NELSON 55	35.00 LEONARD HANDEL 56	1:02.41 JEFF FARRELL 60	1:27.76 LARRY GOOD 63
34.11 RICHARD BASSI 56	35.06 JIM E PERILMAN 58	1:04.45 JERRY CLARK 60	1:29.42 JOHN TRAINER 60
34.64 EDWARD G CAZALET 55	• 100 M. BUTTERFLY	1:05.34 DAVID RADCLIFF 63	1:29.59 SID HALL 61
35.01 RICKY EVANS 56	1:09.51 JACK GEOGHEGAN 97	1:05.35 CAV CAVANAUGH 62	1:30.33 AMAR LATHI 61
35.39 DAVID GILLANDERS 57	1:09.51 JACK GEOGHEGAN 55	1:07.67 BILL EARLEY 61	1:30.54 JOHN GOODE 63
35.56 JERRY GLANCY 59	1:09.67 ERIC SNYDER 55	1:10.10 DICK A PETERSON 60	• 200 M. BACKSTROKE
36.31 ERIC JENSEN 55	1:12.52 DAVID GILLANDERS 58	1:10.30 WILLIAM J RADACK 61	2:40.75 JACK BEATTIE 94
36.85 MIKE FRESHLEY 56	1:14.73 STEVE THRASHER 55	1:10.64 GEORGE THAYER 60	3:05.01 BILL EARLEY 61
• 100 M. BACKSTROKE	1:14.79 RICHARD BASSI 56	1:11.75 SID HALL 61	3:09.91 MARSHALL GREER 60
1:11.04 STEVEN THRASHER 96	1:18.89 JAMES KRUEGER 58	1:11.90 JOHN KALAS 64	3:12.77 BARRY FASBENDER 60
1:12.76 STEVE THRASHER 56	1:19.56 TONY M SILVESTRI 57	• 200 M. FREESTYLE	3:13.88 WILLIAM J RADACK 60
1:13.57 EDWARD G CAZALET 55	1:21.44 RICK EVANS 56	2:21.31 GRAHAM JOHNSTON 95	3:17.16 JOEL JACOBS 61
1:16.63 RICHARD BASSI 56	1:22.70 MIKE FRESHLEY 56	2:26.13 JEFF FARRELL 60	3:18.73 MIKE MILLIMAN 63
1:16.80 HUGH RODDIN 55	1:23.09 JIM E PERILMAN 58	2:30.38 JERRY CLARK 60	3:19.53 JOHN TRAINER 60
1:17.03 GORDON DEMEESTER 55	• 200 M. BUTTERFLY	2:35.27 DAVID RADCLIFF 63	3:28.19 ROBERT W MAYO 63
1:18.09 RICKY EVANS 56	2:41.80 JACK GEOGHEGAN 97	2:35.40 CAV CAVANAUGH 62	3:28.36 FRANCIS T MARTIN 60
1:19.50 LEE BETTIS 59	2:51.26 HUGH RODDIN 55	2:39.98 JOHN KALAS 64	3:29.93 JOHN BLECK 64
1:19.69 PETER R BETZER 55	2:57.96 DAVID GILLANDERS 58	2:41.02 A EMORY HAWORTH 61	• 50 M. BREASTSTROKE
1:28.54 JIM BOYLAN 58	3:15.25 JIM E PERILMAN 58	2:44.99 DICK A PETERSON 60	35.31 JOHN KORTHEUER 91
1:29.85 DAVID B STUHR 57	3:32.74 DOUGLAS SHEARER 56	2:47.40 STAN MORNER 63	38.56 DAVE DABOLL 61
• 200 M. BACKSTROKE	3:37.48 JOE BOLZE 57	2:49.00 WILLIAM J RADACK 60	38.84 STAN MORNER 63
2:36.32 ED CAZALET 97	3:48.45 EDWARD MORGAN 58	• 400 M. FREESTYLE	39.58 MILTON GEE 60
2:36.32 EDWARD G CAZALET 55	3:51.98 DOUG MESSINEO 57	4:56.69 GRAHAM JOHNSTON 95	39.73 BOB PATTEN 63
2:47.15 ERIC JENSEN 55	4:17.04 ART HALE 55	5:13.45 DAVID RADCLIFF 63	39.85 RON TAYLOR 64
2:49.00 GORDON DEMEESTER 55	4:28.95 DAVID BADGLEY 57	5:38.14 JERRY CLARK 60	40.99 DICK A PETERSON 60
2:53.45 JERRY GLANCY 59	• 100 M. INDIVIDUAL MEDLEY	5:39.85 JOHN KALAS 64	41.18 BILL EARLEY 61
2:57.16 PETER R BETZER 55	1:11.04 DRURY GALLAGHER 95	5:40.34 A EMORY HAWORTH 61	41.41 A EMORY HAWORTH 61
2:57.29 LEE BETTIS 59	1:13.82 MIKE FRESHLEY 56	5:42.52 CAV CAVANAUGH 62	41.43 GEORGE THAYER 61
3:01.61 RICKY EVANS 56	1:14.24 RICHARD BASSI 56	5:50.88 BARRY A FASBENDER 60	41.45 SID HALL 61
3:03.43 JIM MYERBERG 55	1:14.24 STEVE THRASHER 55	5:57.46 STAN MORNER 63	• 100 M. BREASTSTROKE
3:09.56 ROLFFS PINKERTON 58	1:17.44 ERIC JENSEN 55	5:59.63 ALAN RAPPERPORT 63	1:18.77 JOHN KORTHEUER 91
3:23.36 RICHARD MONAHAN 55	1:18.82 RICKY EVANS 56	6:02.89 JAMES JOHNSEN 62	1:26.28 BOB PATTEN 63
• 50 M. BREASTSTROKE	1:19.11 TOM LANDIS 55	6:05.37 ROBERT MCKINNON 60	1:28.54 DICK A PETERSON 60
33.77 MANUEL SANGUILY 89	1:22.50 PETER R BETZER 55	• 800 M. FREESTYLE	1:29.11 RON TAYLOR 64
37.34 MIKE FRESHLEY 56	1:24.22 DAVID PAINTER 59	10:27.62 GRAHAM JOHNSTON 95	1:29.41 LOU ABEL 61
37.82 TEGZE HARASZTI 56	1:24.81 LOU GADOL 55	11:23.13 DAVID RADCLIFF 63	1:29.62 EMORY HAWORTH 61
37.86 PETER R BETZER 55	1:26.56 TONY M SILVESTRI 57	11:40.38 CAV CAVANAUGH 62	1:29.87 WILLIAM JONES 60
38.51 JIM PERILMAN 58	• 200 M. INDIVIDUAL MEDLEY		1:30.14 MILTON GEE 60
38.59 MIKE LAUX 56			1:31.49 SID HALL 61

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

1:32.96 STAN MORNER 63	6:41.44 A EMORY HAWORTH 61	25:02.76 HEBERT NAKAMA 67	31.87 RON JOHNSON 96
1:33.19 JOEL JACOBS 61	7:02.23 JOEL JACOBS 61	25:45.57 CHARLES KOHNKEN 66	32.26 RON JOHNSON 66
• 200 M. BREASTSTROKE	7:09.36 ROBERT MCKINNON 60	25:52.19 ARNIE GREEN 65	33.22 HERB KERN 65
3:00.71 JOHN KORTHEUER 91	7:15.35 JAMES JOHNSEN 62	26:31.32 JORDAN WOLLE 69	35.31 HAL BEGEL 67
3:12.15 DICK A PETERSON 60	7:38.85 NEIL WORTMANN 62	26:37.81 PAUL KIELL 67	35.38 JOHN KORTHEUER 66
3:12.67 BOB PATTEN 63	7:59.44 NORMAN E STUPFEL 64	• 50 M. BACKSTROKE	36.00 BOB BEST 65
3:15.34 EMORY HAWORTH 61	8:01.78 BOB SWAIN 60	35.06 RON JOHNSON 96	36.23 CLARKE MITCHELL 65
3:22.88 SID HALL 61	8:10.02 L SILVERSTEIN 63	36.92 CLARKE MITCHELL 65	37.47 WILLIAM IRWIN 69
3:24.83 JOEL JACOBS 61		38.50 RICHARD L BENNETT 67	37.65 GRAHAM JOHNSTON 66
3:25.09 JOHN BLECK 64	MEN 65-69	39.98 ROBERT WEDDELL 66	37.66 DICK WEBBER 68
3:26.25 BARRY FASBENDER 60	• 50 M. FREESTYLE	40.25 ARNIE GREEN 65	37.72 DONALD BAKER 66
3:27.34 DAVE DABOLL 61	28.66 RON JOHNSON 97	40.70 KENNETH KIMBALL 66	• 100 M. BUTTERFLY
3:33.12 JAMES JOHNSEN 62	28.66 RON JOHNSON 66	41.01 GORDON GILLEN 66	1:16.83 RON JOHNSON 97
3:35.50 HARRY M PIPER 62	30.72 BOB BEST 65	41.46 FORREST SULLIVAN 67	1:16.83 RON JOHNSON 66
• 50 M. BUTTERFLY	30.99 GRAHAM JOHNSTON 66	42.37 C DENNY SAUNDERS 65	1:23.38 HERB KERN 65
30.34 BOB BAILIE 95	31.13 DON ROSENTHAL 65	42.41 MYRON LOCKEY 66	1:27.93 JOHN KORTHEUER 66
32.31 JEFF FARRELL 60	31.22 DONALD BAKER 66	42.87 DONALD BAKER 66	1:29.64 CLARKE MITCHELL 65
33.03 EMORY HAWORTH 61	31.22 JOHN RIES 66	• 100 M. BACKSTROKE	1:33.28 WILLIAM IRWIN 69
33.27 CAV CAVANAUGH 62	31.33 BOB CONGELLIERE 68	1:18.28 RON JOHNSON 97	1:37.38 JOHN LENARD 66
33.30 BILL EARLEY 60	31.48 HAL BEGEL 67	1:18.28 RON JOHNSON 66	1:40.27 DONALD BAKER 66
34.39 WILLIAM JONES 60	31.50 JOHN KORTHEUER 66	1:23.00 RICHARD L BENNETT 67	1:42.10 HEBERT NAKAMA 67
35.54 RICHARD WEICK 63	31.52 DICK WEBBER 68	1:25.32 CLARKE MITCHELL 65	1:42.43 WOODY GAIR 67
35.72 STAN MORNER 63	• 100 M. FREESTYLE	1:29.09 KENNETH KIMBALL 67	1:42.60 ALAN MALONEY 68
36.92 PAUL CROLEY 62	1:05.86 RON JOHNSON 97	1:33.62 GORDON GILLEN 66	• 200 M. BUTTERFLY
37.26 AMAR LATHI 61	1:05.86 RON JOHNSON 66	1:33.76 FORREST SULLIVAN 67	3:06.43 RON JOHNSON 96
37.56 BARRY A FASBENDER 60	1:09.55 JOHN RIES 66	1:34.52 ROBERT WEDDELL 66	3:21.87 HERB KERN 65
• 100 M. BUTTERFLY	1:11.24 HAL BEGEL 67	1:37.42 HAROLD DESMIDT 68	3:32.74 BOB BEST 65
1:15.69 JOHN KORTHEUER 91	1:11.71 WILLIAM PHILLIPS 69	1:38.51 ALBERT SCHELL 66	3:42.16 JOHN LENARD 66
1:19.62 EMORY HAWORTH 61	1:11.91 KENNETH KIMBALL 66	1:43.19 MIKE TORSNEY 67	3:43.68 ART TEBBINS 67
1:21.19 BARRY FASBENDER 60	1:11.99 DONALD BAKER 66	• 200 M. BACKSTROKE	4:02.83 PARRY O'BRIEN 65
1:27.80 BILL EARLEY 60	1:12.37 DICK BOWER 67	2:52.77 ROGER FRANKS 94	4:04.31 ALAN MALONEY 68
1:29.39 AMAR LATHI 61	1:13.89 WIN WILSON 69	2:54.40 GRAHAM JOHNSTON 66	4:12.27 W CANNON 67
1:31.68 STAN MORNER 63	1:14.54 AL CRAIG 69	3:05.21 CLARKE MITCHELL 65	4:17.70 BILL RODGERS 65
1:35.93 HERB ALVARADO 62	1:14.60 RICHARD L BENNETT 66	3:05.31 RICHARD L BENNETT 67	4:25.78 NICHOLAS BERENYI 65
1:40.87 NORMAN E STUPFEL 64	• 200 M. FREESTYLE	3:06.82 HORACE KNOWLTON 67	5:16.38 JAE BIRCH 69
1:44.16 JAMES JOHNSEN 62	2:22.07 GRAHAM JOHNSTON 97	3:20.09 KENNETH KIMBALL 67	• 100 M. INDIVIDUAL MEDLEY
1:45.74 CHARLES MAAS 63	2:22.07 GRAHAM JOHNSTON 66	3:27.30 GORDON GILLEN 66	1:15.61 RON JOHNSON 96
1:45.81 DAVID HARRINGTON 62	2:40.30 JOHN RIES 65	3:28.09 FORREST SULLIVAN 67	1:15.73 RON JOHNSON 66
• 200 M. BUTTERFLY	2:41.92 WILLIAM PHILLIPS 69	3:34.84 HAROLD DESMIDT 68	1:20.91 JOHN KORTHEUER 66
3:00.48 HARRY HUNSICKER 93	2:46.93 ROGER C CAMPBELL 67	3:42.61 ALAN MALONEY 68	1:21.54 HERB KERN 65
3:09.95 EMORY HAWORTH 61	2:54.83 JAMES T PITTS 67	3:46.42 ISAAC SISKIND 69	1:25.89 DONALD BAKER 66
3:13.11 BARRY A FASBENDER 60	2:55.43 ARNIE GREEN 65	• 50 M. BREASTSTROKE	1:28.04 CLARKE MITCHELL 65
3:40.35 AMAR LATHI 61	2:57.09 RICHARD LEBAHN 68	37.61 JOHN KORTHEUER 97	1:28.31 WILLIAM IRWIN 69
3:41.60 CHARLIE MAAS 63	2:57.32 CHARLES KOHNKEN 65	37.99 BOB BEST 65	1:29.65 ROBERT MAC DONALD 69
3:43.64 BOB MCKINNON 60	2:58.46 HAL BEGEL 67	38.35 RON JOHNSON 66	1:31.45 ERIC GUEST 68
3:45.23 HERB ALVARADO 62	2:59.65 ARTHUR WELCH 65	40.99 ROBERT MAC DONALD 69	1:31.72 JOHN RIES 65
4:08.39 NORMAN E STUPFEL 64	• 400 M. FREESTYLE	41.80 MYRON LOCKEY 66	• 200 M. INDIVIDUAL MEDLEY
4:19.03 PAUL CROLEY 62	5:09.09 GRAHAM JOHNSTON 96	42.14 DONALD BAKER 66	2:51.68 GRAHAM JOHNSTON 97
4:21.23 STAN PEDDER 62	5:18.99 GRAHAM JOHNSTON 66	42.16 GRAHAM JOHNSTON 66	2:51.68 GRAHAM JOHNSTON 66
4:32.01 PICKETT T SIMPSON 62	5:45.63 WILLIAM PHILLIPS 69	42.54 KENNETH FLYNN 67	2:51.72 RON JOHNSON 66
• 100 M. INDIVIDUAL MEDLEY	5:50.71 WIN WILSON 69	43.12 FRANK B NIEMAN 65	3:05.00 BOB BEST 65
1:12.88 JEFF FARRELL 97	5:58.40 ROGER C CAMPBELL 67	43.16 JOHN VAN HORN 65	3:05.46 HERB KERN 65
1:12.88 JEFF FARRELL 60	6:08.19 ARNIE GREEN 65	• 100 M. BREASTSTROKE	3:11.46 CHARLES MOSS 68
1:18.36 CAV CAVANAUGH 62	6:17.16 DICK BOWER 67	1:24.18 JOHN KORTHEUER 96	3:15.70 ROBERT MAC DONALD 69
1:18.44 BILL EARLEY 61	6:19.38 ARTHUR WELCH 65	1:26.12 JOHN KORTHEUER 66	3:17.40 CLARKE MITCHELL 65
1:20.39 DICK A PETERSON 60	6:23.95 HARVEY PROSSER 68	1:26.56 BOB BEST 65	3:23.29 DONALD BAKER 66
1:21.64 WILLIAM JONES 60	6:28.47 JAMES T PITTS 67	1:33.01 ROBERT MAC DONALD 69	3:24.85 ALAN MALONEY 68
1:23.68 GEORGE THAYER 61	6:30.81 HEBERT NAKAMA 67	1:35.92 MYRON LOCKEY 66	3:24.99 GORDON GILLEN 66
1:24.64 A EMORY HAWORTH 61	• 800 M. FREESTYLE	1:37.41 GRAHAM JOHNSTON 66	• 400 M. INDIVIDUAL MEDLEY
1:26.10 SID HALL 61	10:35.13 GRAHAM JOHNSTON 96	1:37.81 FRANK B NIEMAN 65	6:04.40 GRAHAM JOHNSTON 96
1:26.48 ALAN RAPPERPORT 63	11:00.20 GRAHAM JOHNSTON 66	1:38.23 DONALD BAKER 66	6:45.26 HERB KERN 65
1:27.87 JAMES JOHNSEN 62	12:15.56 ROGER C CAMPBELL 67	1:38.94 DAN GRUENDER 68	6:47.29 BOB BEST 65
• 200 M. INDIVIDUAL MEDLEY	12:52.45 RICHARD L BENNETT 67	1:40.19 KENNETH FLYNN 67	6:58.49 JOHN LENARD 66
2:46.69 GRAHAM JOHNSTON 91	13:09.25 HERBERT NAKAMA 67	1:41.39 ED FARRELL 65	7:23.42 GORDON GILLEN 66
2:58.94 DICK A PETERSON 60	13:20.00 CHARLES KOHNKEN 65	• 200 M. BREASTSTROKE	7:33.32 CHARLES KOHNKEN 65
3:02.36 A EMORY HAWORTH 61	13:28.47 ARNIE GREEN 65	3:16.65 CHARLES MOSS 93	7:54.44 NICHOLAS BERENYI 65
3:06.29 BILL EARLEY 61	13:46.87 ART TEBBINS 67	3:18.82 BOB BEST 65	8:10.51 BILL RODGERS 65
3:09.27 BARRY A FASBENDER 60	13:47.92 JAMES PITTS 66	3:26.65 ROBERT MAC DONALD 69	8:11.51 W CANNON 67
3:16.58 JOHN KALAS 64	14:10.38 JORDAN WOLLE 69	3:29.61 GRAHAM JOHNSTON 66	8:13.60 WILLIAM WEBER 67
3:17.68 JAMES JOHNSEN 62	14:11.29 JOHN DAILY 69	3:36.44 MYRON LOCKEY 66	8:14.03 ISAAC SISKIND 69
3:20.34 BOB MCKINNON 60	• 1500 M. FREESTYLE	3:40.01 ALAN MALONEY 68	
3:21.07 JOHN F SULZBACH 63	19:53.18 GRAHAM JOHNSTON 96	3:41.85 HEBERT NAKAMA 67	MEN 70-74
3:21.99 JOEL JACOBS 61	20:38.23 GRAHAM JOHNSTON 66	3:43.15 ALBERT SCHELL 66	• 50 M. FREESTYLE
3:23.22 DAVE DABOLL 61	22:48.92 WILLIAM PHILLIPS 69	3:44.30 NICHOLAS BERENYI 65	30.59 FRANK PIEMME 95
• 400 M. INDIVIDUAL MEDLEY	23:42.91 ROGER C CAMPBELL 67	3:44.35 FRANK B NIEMAN 65	30.99 FRANK PIEMME 72
6:02.73 GRAHAM JOHNSTON 93	23:57.96 ARTHUR WELCH 65	3:47.48 ED FARRELL 65	32.50 MILTON SENS 71
6:38.55 BILL EARLEY 61	23:59.56 KENNETH KIMBALL 67	• 50 M. BUTTERFLY	
6:41.30 BARRY FASBENDER 60			

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

33.87 PAUL HUTINGER	72	46.43 LUMAN SUTTON	70	1:33.20 JOSEPH KURTZMAN	71	1:30.88 EARL WALTER	76
34.34 ROBERT BLAKE	72	47.21 JACK MCGREEN	72	1:40.92 DONALD HUBBARD	70	1:36.48 JERRY SIEFERT	79
34.51 GEORGE ERSWELL	70	• 100 M. BACKSTROKE		1:40.96 THOMAS MAINE	72	1:37.94 JACK HUBER	75
35.19 JURGEN SCHMIDT	74	1:21.74 PAUL HUTINGER	94	1:49.59 DON KORTEN	70	1:41.03 BARNET PHILLIPS	79
35.74 DONALD HUBBARD	70	1:21.50 ROGER FRANKS	70NV	1:53.47 LUMAN SUTTON	70	1:42.74 CHARLES HARRIS	76
36.17 AL EBBINGHAUS	73	1:23.91 PAUL HUTINGER	73	1:57.20 BOB RISLEY	70	• 200 M. FREESTYLE	
36.20 ED BITNER	74	1:26.40 FLOYD ELIOTT	71	2:06.28 JOHN STERN	73	2:48.67 RAY TAFT	94
36.50 HARRY ALBINGER	71	1:34.39 DALE A WEBSTER	71	2:09.99 PIERCE BRAY	73	3:14.34 BOB MERRICK	77
• 100 M. FREESTYLE		1:36.49 GEORGE BRINTON	73	2:20.97 WARREN FOSTER	71	3:15.41 GILBERT YOUNG	75
1:09.00 FRANK PIEMME	95	1:38.57 GEORGE ERSWELL	70	2:25.70 BOB DOUD	73	3:16.79 RAYMOND F TAFT	78
1:10.40 FRANK PIEMME	72	1:40.44 LEE ARTH	72	• 200 M. BUTTERFLY		3:18.90 RICHARD GUIDO	79
1:15.28 MILTON SENS	71	1:42.78 ELMER LUKE	71	3:26.07 JOSEPH KURTZMAN	96	3:22.01 FRED TAIOLI	76
1:17.38 GEORGE ERSWELL	70	1:43.63 BOB RISLEY	70	3:41.96 JOSEPH KURTZMAN	71	3:24.61 ROBERT MOSARD	76
1:19.74 ROBERT BLAKE	70	1:44.81 JACK MITCHELL	70	3:44.03 THOMAS MAINE	72	3:38.50 BARNET PHILLIPS	79
1:20.56 JURGEN SCHMIDT	72	1:44.81 LUMAN SUTTON	70	4:01.03 DON KORTEN	70	3:41.78 BOB ACKER	76
1:23.81 DALE WEBSTER	71	• 200 M. BACKSTROKE		5:08.71 RICHARD EVANS	73	3:49.80 JACK HUBER	75
1:24.15 JARKA BURIAN	70	2:56.28 ROGER FRANKS	97	5:23.58 DOUG STRONG	72	3:51.66 CHARLES HARRIS	76
1:25.45 HARRY ALBINGER	71	2:56.28 ROGER FRANKS	70	5:38.66 WARREN FOSTER	71	• 400 M. FREESTYLE	
1:27.03 JOHN DAILY	70	3:09.64 DUANE DRAVES	71	5:40.09 BOB DOUD	73	6:02.95 RAY TAFT	95
1:30.16 CHARLES THOMSON	72	3:12.63 FLOYD ELIOTT	71	6:28.38 JAY CHARLES	74	6:39.16 RAYMOND F TAFT	78
• 200 M. FREESTYLE		3:15.19 PAUL HUTINGER	72	• 100 M. INDIVIDUAL MEDLEY		6:46.62 ALDO V DA ROSA	79
2:37.86 FRANK PIEMME	95	3:25.94 JACK MITCHELL	70	1:20.99 FRANK PIEMME	95	6:52.51 GILBERT YOUNG	75
2:42.38 FRANK PIEMME	72	3:35.29 LEE ARTH	72	1:24.87 DUANE DRAVES	71	6:59.57 FRED TAIOLI	76
2:59.93 JURGEN SCHMIDT	74	3:35.44 DALE A WEBSTER	71	1:28.37 PAUL HUTINGER	72	7:06.95 RICHARD T SMITH	77
3:01.15 DON KORTEN	70	3:52.09 JACK MCGREEN	72	1:31.13 FRANK PIEMME	72	7:08.22 BOB MERRICK	77
3:01.29 W MORGAN BYERS	70	3:55.48 WILFORD DOLPHIN	72	1:32.35 DONALD HUBBARD	70	7:26.26 RICHARD GUIDO	79
3:06.51 LEE ARTH	72	3:58.33 NORMAN GARSOE	73	1:33.72 DON KORTEN	70	7:36.49 LOUIS GIBERSON	76
3:06.82 PAUL HUTINGER	72	• 50 M. BREASTSTROKE		1:35.05 JARKA BURIAN	70	8:04.58 JOHN E CRANCH	75
3:08.36 ROBERT BLAKE	72	39.74 JOSEPH KURTZMAN	96	1:40.07 DALE A WEBSTER	71	8:14.88 JACK HUBER	75
3:10.56 JAMES EDWARDS	74	42.99 PAUL HUTINGER	73	1:40.89 THOMAS MAINE	72	• 800 M. FREESTYLE	
3:12.43 JOHN DAILY	70	43.74 AUGUST MOTMANS	70	1:42.65 JACK MITCHELL	70	12:45.40 RAY TAFT	94
3:14.94 JARKA BURIAN	70	44.21 FRANK PIEMME	72	1:43.78 BOB RISLEY	70	13:42.08 RAYMOND F TAFT	78
• 400 M. FREESTYLE		44.44 DUANE DRAVES	71	• 200 M. INDIVIDUAL MEDLEY		14:24.53 ALDO V DA ROSA	79
5:35.49 FRANK PIEMME	95	45.35 JOSEPH KURTZMAN	71	3:05.96 FRANK PIEMME	95	14:28.24 GIL YOUNG	75
5:43.58 FRANK PIEMME	72	45.87 ARNIE FORMO	70	3:14.36 DUANE DRAVES	71	14:29.20 FRED TAIOLI	76
6:24.64 JURGEN SCHMIDT	74	46.60 JOHN EMANUEL	72	3:31.53 W MORGAN BYERS	70	14:51.78 RICHARD T SMITH	77
6:25.34 W MORGAN BYERS	70	47.00 PAUL LOWRY	70	3:32.85 LUMAN SUTTON	70	15:02.72 BOB MERRICK	77
6:30.71 LEE ARTH	72	47.36 GEORGE ERSWELL	70	3:35.81 DON KORTEN	70	15:41.46 JOHN E CRANCH	75
6:42.82 JOHN DAILY	70	47.89 ABRASHA BRAININ	74	3:36.28 THOMAS MAINE	72	17:28.50 JOHN WOODS	79
6:45.61 JAMES EDWARDS	74	• 100 M. BREASTSTROKE		3:36.44 PAUL HUTINGER	72	20:09.63 DONALD MAY	76
6:46.84 DON KORTEN	70	1:27.90 LEE ARTH	97	3:46.85 JACK MITCHELL	70	• 1500 M. FREESTYLE	
6:51.35 ROBERT BLAKE	72	1:27.90 LEE ARTH	72	3:47.57 DALE WEBSTER	71	24:46.19 ALDO DA ROSA	93
6:54.31 WAYNE SHADBOLT	73	1:42.72 AUGUST MOTMANS	70	3:49.78 JOHN EMANUEL	72	26:08.34 RAYMOND F TAFT	78
6:56.81 PAUL HUTINGER	72	1:44.80 ARNIE FORMO	70	3:52.61 JARKA BURIAN	70	27:09.31 ALDO V DA ROSA	79
• 800 M. FREESTYLE		1:48.03 NORMAN GARSOE	73	• 400 M. INDIVIDUAL MEDLEY		27:24.16 GILBERT YOUNG	75
11:38.41 FRANK PIEMME	95	1:48.55 JOHN EMANUEL	72	6:38.98 FRANK PIEMME	95	27:42.30 FRED TAIOLI	76
12:20.88 FRANK PIEMME	72	1:51.24 CHARLES THOMSON	72	6:49.75 ROGER FRANKS	70	28:34.23 BOB MERRICK	77
13:25.81 LEE ARTH	72	1:51.78 THOMAS MAINE	72	7:08.00 DUANE DRAVES	71	31:34.70 BOB ACKER	76
13:45.08 PAUL HUTINGER	72	1:52.63 RAYMOND RADZIVILA	73	7:33.17 PAUL HUTINGER	73	33:02.64 JOHN WOODS	79
13:51.43 DON KORTEN	70	1:53.69 ED SIMMERS	71	7:54.68 DON KORTEN	70	36:35.36 JOSEPH MALLON	76
14:13.95 JOHN DAILY	70	1:54.97 JOE VANREYMERSDAL	70	8:12.22 DALE A WEBSTER	71	36:55.27 HAL YOUNG	76
14:35.33 ROBERT BLAKE	72	• 200 M. BREASTSTROKE		9:19.25 DOUG STRONG	72	41:36.84 DONALD MAY	76
14:40.77 JURGEN SCHMIDT	74	3:23.16 FRANK PIEMME	95	10:45.40 RICHARD EVANS	73	• 50 M. BACKSTROKE	
15:11.34 VESTER BOONE	72	3:41.66 FRANK PIEMME	72	11:22.31 VLADIMIR OUCHAKOF	73	39.83 RAY TAFT	94
15:12.34 DALE WEBSTER	71	3:49.81 LEE ARTH	72	11:23.56 BOB DOUD	73	43.24 RAYMOND F TAFT	78
15:30.53 FRANK SAMOYA	70	3:50.50 THOMAS MAINE	72	12:16.54 DAN MCNEIL	74	45.10 ANDREW HOLDEN	78
• 1500 M. FREESTYLE		3:54.46 DON KORTEN	70			45.52 BOB MERRICK	77
22:44.45 FRANK PIEMME	95	3:55.80 PAUL HUTINGER	72	MEN 75-79		45.82 GAETANO PAVONE	75
22:56.19 FRANK PIEMME	72	3:56.09 NORMAN GARSOE	73	• 50 M. FREESTYLE		46.74 EARL WALTER	76
24:42.09 ROGER FRANKS	70	4:06.09 CHARLES THOMSON	72	32.78 KELLEY LEMMON	88	49.86 JERRY SIEFERT	79
26:01.61 JURGEN SCHMIDT	74	4:12.17 JOHN EMANUEL	72	35.27 ANDREW HOLDEN	78	50.97 JOHN E CRANCH	75
26:34.88 PAUL HUTINGER	72	4:14.35 WILFORD DOLPHIN	72	36.73 LOUIS GIBERSON	76	51.91 BRION WINSHIP	79
27:03.95 JOHN DAILY	70	4:20.82 JOHN STERN	73	37.45 ROBERT MOSARD	76	53.72 THOMAS NOURSE	75
27:07.00 ROBERT BLAKE	72	4:20.82 JURGEN SCHMIDT	74	37.79 WILLIAM JOHNSTON	79	55.26 ROBERT WRIGHT	76
27:46.12 CALVIN BARNES	73	• 50 M. BUTTERFLY		37.81 BOB MERRICK	77	• 100 M. BACKSTROKE	
29:12.06 VESTER BOONE	72	34.77 FRANK PIEMME	95	37.81 BOB MERRICK	77	1:27.41 RAY TAFT	94
30:28.70 JOAQUIN SILVERIO	71	35.17 FRANK PIEMME	72	38.24 GAETANO PAVONE	75	1:38.15 RAYMOND F TAFT	78
30:44.79 R BRIESEMEISTER	72	36.92 PAUL HUTINGER	73	38.36 JERRY SIEFERT	79	1:40.80 GAETANO PAVONE	75
• 50 M. BACKSTROKE		37.72 DONALD HUBBARD	70	38.79 GILBERT YOUNG	75	1:42.02 BOB MERRICK	77
35.71 PAUL HUTINGER	94	38.24 JOSEPH KURTZMAN	71	39.56 BARNET PHILLIPS	79	1:48.54 EARL WALTER	76
37.21 PAUL HUTINGER	73	41.23 WILLIAM SELIGMANN	72	41.52 BOB ACKER	76	1:51.68 JOHN E CRANCH	75
39.16 FLOYD ELIOTT	71	42.85 LUMAN SUTTON	70	• 100 M. FREESTYLE		1:52.86 RICHARD GUIDO	79
40.06 ROGER FRANKS	70	44.49 JACK MITCHELL	70	1:13.47 RAY TAFT	95	1:58.49 BRION WINSHIP	79
42.42 DALE A WEBSTER	71	44.63 JARKA BURIAN	70	1:19.52 RAYMOND F TAFT	78	1:59.09 ROBERT WRIGHT	76
44.83 JACK MITCHELL	70	44.79 JURGEN SCHMIDT	74	1:27.34 GILBERT YOUNG	75	2:01.66 WALTER A LYNCH	76
44.89 GEORGE BRINTON	73	44.89 BOB RISLEY	70	1:27.49 BOB MERRICK	77	2:01.95 BOB ACKER	76
45.04 BOB RISLEY	70	• 100 M. BUTTERFLY		1:28.68 ROBERT MOSARD	76	• 200 M. BACKSTROKE	
46.31 CALVIN BARNES	73	1:26.98 JOSEPH KURTZMAN	96	1:28.94 LOUIS GIBERSON	77	3:10.22 RAY TAFT	94

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

3:31.39 RAYMOND F TAFT 78	1:27.43 RAY TAFT 94	8:55.13 MAURICE STERN 81	3:02.26 FRANK TILLOTSON 82
3:41.76 GAETANO PAVONE 75	1:33.22 RAYMOND F TAFT 78	9:25.58 JOHN BROUK 80	3:53.84 G W DANENHOWER 83
3:54.27 JOHN E CRANCH 75	1:36.93 ALDO V DA ROSA 79	9:47.18 TREVOR ROE 83	4:22.84 CHARLES BARNETT 83
4:00.95 EARL WALTER 76	1:38.52 BOB MERRICK 77	• 800 M. FREESTYLE	5:22.43 HENRY K STEINBISS 84
4:11.62 JAMES WORREL 75	1:44.61 EARL WALTER 76	14:49.24 ROBERT JOHNSTON 97	• 200 M. BREASTSTROKE
4:24.18 WALTER A LYNCH 76	1:47.27 MAX VON ISSER 78	14:49.24 ROBERT JOHNSTON 80	4:06.10 ANTON CERER 97
4:47.54 ED LAMBERT 76	1:52.65 ROBERT WRIGHT 76	15:07.99 RICHARD GUIDO 80	4:06.10 ANTON CERER 81
4:50.17 ROBERT ACKER 76	1:53.93 JAMES WORREL 75	16:28.30 JOHN MERRILL 80	4:10.17 PAUL KRUP 80
4:55.56 GORDON KIDD 76	1:58.91 JERRY SIEFERT 79	16:50.67 DEXTER WOODFORD 83	4:36.02 ROBERT C JOHNSTON 80
4:57.50 ROBERT STRINGHAM 78	2:00.25 BOB ACKER 76	18:22.65 JIM S TRIOLO 83	5:00.01 MIKE OFFNER 83
• 50 M. BREASTSTROKE	2:06.48 WILLIAM JOHNSTON 79	18:30.95 WOODROW BOWERSOCK 84	5:17.27 DEXTER WOODFORD 84
42.85 PAUL KRUP 93	• 200 M. INDIVIDUAL MEDLEY	20:00.09 FRED B WALBOLT 84	5:52.70 JOHN D JOHNSTON 81
44.80 TOM DOWELL 75	3:20.35 RAY TAFT 94	21:32.89 HENRY SHOSTCHUK 80	6:52.94 EVERETT CASSELL 84
45.44 ALDO V DA ROSA 79	3:35.06 ALDO V DA ROSA 79	22:05.24 FRANK H TILLOTSON 82	10:01.33 HENRY K STEINBISS 84
46.02 MAX VON ISSER 78	3:40.35 RAYMOND F TAFT 78	22:54.09 GEORGE HALE 81	• 50 M. BUTTERFLY
47.53 BOB MERRICK 77	3:41.93 BOB MERRICK 77	• 1500 M. FREESTYLE	47.06 PAUL KRUP 97
47.75 PAUL KRUP 79	3:54.40 RICHARD T SMITH 77	27:33.01 ROBERT JOHNSTON 97	46.04 PAUL KRUP 80NV
50.14 RAYMOND F TAFT 78	4:09.63 TOM A MC CALL 75	27:33.01 ROBERT C JOHNSTON 80	53.43 BOB CHRISTIANS 82
50.28 WALTER A LYNCH 76	4:16.93 JAMES WORREL 75	30:56.55 JOHN MERRILL 80	58.00 RICHARD GUIDO 80
51.40 TOM A MC CALL 75	4:39.30 WILLIAM JOHNSTON 79	32:03.45 DEXTER WOODFORD 83	59.36 WOODROW BOWERSOCK 84
51.83 JAMES WORREL 75	5:09.11 JOHN E CRANCH 75	36:12.42 WOODROW BOWERSOCK 84	1:05.67 WILLIAM GRANT 84
53.89 JACK HUBER 75	5:29.34 JAY CHARLES 75	40:41.10 FRANK H TILLOTSON 82	1:08.46 A VANDE WEGHE 81
• 100 M. BREASTSTROKE	6:05.83 FRANK SCHURR 75	42:21.31 HENRY SHOSTCHUK 80	1:16.74 JOHN D JOHNSTON 82
1:37.39 ALDO DA ROSA 92	• 400 M. INDIVIDUAL MEDLEY	• 50 M. BACKSTROKE	1:23.22 FRANK H TILLOTSON 82
1:44.43 MAX VON ISSER 78	7:08.53 RAY TAFT 94	43.66 WILLIAM ROWE 97	• 100 M. BUTTERFLY
1:45.84 ALDO V DA ROSA 79	7:57.13 ALDO V DA ROSA 79	43.66 WILLIAM ROWE 81	1:50.39 ANTON CERER 97
1:49.48 TOM DOWELL 75	10:32.92 WILLIAM JOHNSTON 79	47.10 BOB CHRISTIANS 82	1:50.39 ANTON CERER 81
1:53.83 PAUL KRUP 79	11:01.34 ROBERT STRINGHAM 78	47.39 EDWARD SHEA 83	1:54.15 PAUL KRUP 80
1:54.57 EARL WALTER 76	11:26.98 JAY CHARLES 75	49.01 A VANDE WEGHE 80	2:19.79 DICK GUIDO 80
1:56.22 JAMES WORREL 75	13:28.50 FRANK P SCARANO 78	49.57 RICHARD GUIDO 80	2:46.52 JOHN D JOHNSTON 81
1:57.12 TOM A MC CALL 75		50.79 JOHN WHITE 81	2:54.63 GEORGE RAFTER 81
2:03.49 BUD JACKSON 77	<u>MEN 80-84</u>	54.20 CHARLES BREEDING 81	• 200 M. BUTTERFLY
2:04.73 ROBERT WRIGHT 76		55.58 DAVE MALBROUGH 84	4:00.64 ANTON CERER 97
2:09.87 WALTER LYNCH 76	• 50 M. FREESTYLE	56.13 WOODY BOWERSOCK 84	4:00.64 ANTON CERER 80
• 200 M. BREASTSTROKE	35.16 WOODROW BOWERSOCK 93	1:00.68 MIKE OFFNER 83	4:17.12 PAUL KRUP 80
3:34.29 ALDO DA ROSA 93	36.42 WOODROW BOWERSOCK 84	• 100 M. BACKSTROKE	6:01.75 GEORGE RAFTER 81
3:51.51 BOB MERRICK 77	36.99 JERRY SIEFERT 80	1:37.17 EDWARD SHEA 94	• 100 M. INDIVIDUAL MEDLEY
3:56.61 ALDO V DA ROSA 79	37.17 JIM EUBANK 82	1:44.11 EDWARD SHEA 83	1:44.08 WALTER PFEIFFER 94
4:08.33 PAUL KRUP 79	37.77 WILLIAM ROWE 81	1:44.78 WILLIAM ROWE 81	1:47.30 ANTON CERER 80
4:47.48 WALTER A LYNCH 76	38.24 BOB CHRISTIANS 82	1:46.70 BOB CHRISTIANS 82	1:49.75 PAUL KRUP 80
4:58.56 JACK HUBER 75	41.01 LYNN SURLES 80	1:46.73 A VANDE WEGHE 80	1:50.25 A VANDE WEGHE 80
4:58.65 JACK BURGAN 75	41.40 A VANDE WEGHE 80	1:54.73 JOHN WHITE 81	1:59.13 JERRY SIEFERT 80
5:31.26 ROBERT STRINGHAM 78	43.47 CHARLES BREEDING 81	2:04.98 JIM S TRIOLO 83	2:10.36 WOODY BOWERSOCK 84
5:34.72 JAY CHARLES 75	44.80 DES SESSINGHAUS 83	2:06.69 CHARLES BREEDING 81	2:38.77 JOHN D JOHNSTON 82
• 50 M. BUTTERFLY	46.46 GENE CROSSETT 83	2:11.91 FRANK H TILLOTSON 82	2:44.33 CHARLES WOOLLS 82
38.70 RAY TAFT 95	• 100 M. FREESTYLE	2:13.30 DAVE MALBROUGH 84	3:58.55 RALPH THAYER 82
39.44 ANDREW HOLDEN 78	1:20.65 WOODROW BOWERSOCK 93	2:21.19 DEXTER WOODFORD 84	• 200 M. INDIVIDUAL MEDLEY
41.96 MAX VON ISSER 78	1:24.83 WOODROW BOWERSOCK 84	• 200 M. BACKSTROKE	3:46.96 ANTON CERER 97
43.34 RAYMOND F TAFT 78	1:27.61 JIM EUBANK 82	3:33.91 EDWARD SHEA 94	3:46.96 ANTON CERER 80
44.92 LOUIS GIBERSON 77	1:28.30 BOB CHRISTIANS 82	3:53.03 WILLIAM ROWE 81	4:10.05 BOB CHRISTIANS 82
46.05 PAUL KRUP 79	1:30.81 JERRY SIEFERT 80	3:53.66 EDWARD SHEA 83	5:12.16 GEORGE RAFTER 81
46.34 ALDO V DA ROSA 79	1:33.89 ROBERT C JOHNSTON 80	3:58.41 A VANDE WEGHE 80	5:22.87 JOHN D JOHNSTON 81
49.65 ROBERT ACKER 76	1:35.19 DICK GUIDO 80	4:16.61 JOHN WHITE 81	5:25.20 FRANK H TILLOTSON 82
50.17 ROBERT WRIGHT 76	1:38.24 LYNN SURLES 80	4:16.70 RICHARD GUIDO 80	• 400 M. INDIVIDUAL MEDLEY
50.32 WILLIAM JOHNSTON 79	1:39.28 A VANDE WEGHE 80	4:25.61 JIM S TRIOLO 83	8:00.81 ANTON CERER 97
53.53 GEORGE BRADBEER 75	1:42.20 DEXTER WOODFORD 83	4:36.24 FRANK H TILLOTSON 82	8:00.81 ANTON CERER 80
• 100 M. BUTTERFLY	1:47.41 MAURICE STERN 81	4:43.62 WOODROW BOWERSOCK 84	10:40.08 GEORGE RAFTER 81
1:36.80 PAUL KRUP 92	• 200 M. FREESTYLE	5:53.50 FRED B WALBOLT 84	
1:47.20 PAUL KRUP 79	3:18.97 DEXTER WOODFORD 94	6:10.77 HENRY SHOSTCHUK 80	<u>MEN 85-89</u>
1:48.96 ALDO V DA ROSA 79	3:23.89 JIM EUBANK 82	• 50 M. BREASTSTROKE	• 50 M. FREESTYLE
1:52.91 RICHARD T SMITH 77	3:26.58 RICHARD GUIDO 80	46.80 PAUL KRUP 97	43.86 DAN DOTTERWEICH 93
1:58.00 JIM PENDERGRASS 78	3:47.73 DEXTER WOODFORD 83	46.80 PAUL KRUP 80	42.46 GERSON SOBEL 86NV
1:58.13 BOB MERRICK 77	3:50.37 A VANDE WEGHE 80	56.84 BOB CHRISTIANS 82	49.24 HARRY POLITES 87
2:17.64 WILLIAM JOHNSTON 79	3:54.06 WOODROW BOWERSOCK 84	57.13 JOHN BROUK 80	1:04.56 BOYD CAMPBELL 87
2:24.19 ROBERT ACKER 76	3:54.09 GENE CROSSETT 83	59.28 MIKE OFFNER 83	1:17.92 OTTO WULFF 85
2:29.23 JACK BURGAN 75	4:07.87 MAURICE STERN 81	1:00.35 A VANDE WEGHE 81	1:24.71 RICHARD KANE 86
2:56.87 JAY CHARLES 75	4:08.75 JIM S TRIOLO 83	1:03.27 CHARLES BREEDING 81	1:25.28 HAROLD HOFFMAN 89
3:50.94 FRANK P SCARANO 78	4:08.79 LYNN SURLES 80	1:03.91 WILLIAM GRANT 84	• 100 M. FREESTYLE
• 200 M. BUTTERFLY	4:10.96 DES SESSINGHAUS 83	1:08.26 DEXTER WOODFORD 84	1:41.46 GUS LANGNER 89
3:49.00 PAUL KRUP 92	• 400 M. FREESTYLE	1:12.94 JOHN D JOHNSTON 81	1:43.33 GERSON SOBEL 86
4:14.13 RICHARD T SMITH 77	7:03.26 ROBERT JOHNSTON 97	1:18.31 CHARLES WOOLLS 82	2:07.76 HARRY POLITES 87
4:16.82 PAUL KRUP 79	7:03.26 ROBERT C JOHNSTON 80	• 100 M. BREASTSTROKE	2:34.51 BOYD CAMPBELL 87
4:24.55 ALDO V DA ROSA 79	7:31.39 JIM EUBANK 82	1:52.75 ANTON CERER 97	3:12.36 ALFRED GAWLEY 85
5:21.45 JACK BURGAN 75	8:03.66 DEXTER WOODFORD 83	1:52.75 ANTON CERER 81	3:48.28 HAROLD HOFFMAN 89
5:44.34 ROBERT ACKER 76	8:08.07 JOHN MERRILL 80	1:53.94 PAUL KRUP 80	• 200 M. FREESTYLE
6:24.23 JAY CHARLES 75	8:19.49 GENE CROSSETT 83	2:19.42 MIKE OFFNER 83	3:48.20 GUS LANGNER 89
8:08.87 FRANK P SCARANO 78	8:25.39 DES SESSINGHAUS 83	2:27.63 DEXTER WOODFORD 83	3:59.78 GERSON SOBEL 86
• 100 M. INDIVIDUAL MEDLEY	8:39.33 WOODROW BOWERSOCK 84	2:56.76 JOHN D JOHNSTON 82	

1997 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

4:07.00 HERBERT HOWE	85	8:50.65 GUS LANGNER	93
5:42.85 BOYD CAMPBELL	87	10:47.13 GUS LANGNER	94
▪ 400 M. FREESTYLE		▪ 800 M. FREESTYLE	
7:54.24 GUS LANGNER	88	23:36.22 GUS LANGNER	96
11:54.32 BOYD CAMPBELL	87	24:18.62 GUS LANGNER	94
▪ 800 M. FREESTYLE		▪ 1500 M. FREESTYLE	
16:53.90 GUS LANGNER	88	44:48.99 GUS LANGNER	96
NO SWIMMERS		NO SWIMMERS	
▪ 1500 M. FREESTYLE		▪ 50 M. BACKSTROKE	
32:20.20 GUS LANGNER	88	1:15.84 GUS LANGNER	93
35:41.39 HERBERT HOWE	85	1:15.93 PETER JURCZYK	92
▪ 50 M. BACKSTROKE		1:18.93 JOE KAUFMAN	92
56.85 DAN DOTTERWEICH	93	1:22.85 ROBERT WILD	90
1:11.95 DAN DOTTERWEICH	89	1:25.03 GUS LANGNER	94
1:13.83 HARRY POLITES	87	1:35.63 WILLIAM F DUFFY	90
1:15.50 GEORGE BATKI	85	1:48.22 HARRY JAGGERS	90
1:16.26 OTTO WULFF	85	▪ 100 M. BACKSTROKE	
1:30.60 BOYD CAMPBELL	87	2:40.88 JOE KAUFMAN	95
1:54.09 JERRY CLARK	85	2:49.42 PETER JURCZYK	92
▪ 100 M. BACKSTROKE		2:56.77 JOE KAUFMAN	92
2:09.91 DAN DOTTERWEICH	93	3:11.29 ROBERT WILD	90
2:52.73 GEORGE BATKI	85	3:32.77 GUS LANGNER	94
2:56.35 HARRY POLITES	87	3:39.12 WILLIAM F DUFFY	90
3:05.71 OTTO WULFF	85	▪ 200 M. BACKSTROKE	
3:10.01 BOYD CAMPBELL	87	5:44.64 JOE KAUFMAN	96
▪ 200 M. BACKSTROKE		NO SWIMMERS	
4:55.59 DAN DOTTERWEICH	96	▪ 50 M. BREASTSTROKE	
4:58.54 DAN DOTTERWEICH	89	1:20.92 GUS LANGNER	93
5:52.69 GEORGE BATKI	85	1:28.60 GUS LANGNER	94
▪ 50 M. BREASTSTROKE		1:37.01 WILLIAM F DUFFY	90
58.39 JIM PENFIELD	93	▪ 100 M. BREASTSTROKE	
1:04.49 DAN DOTTERWEICH	89	3:01.95 GUS LANGNER	93
1:17.21 GEORGE BATKI	85	3:29.83 GUS LANGNER	94
1:30.00 HARRY POLITES	87	3:56.72 WILLIAM F DUFFY	90
1:43.10 ALFRED GAWLEY	85	▪ 200 M. BREASTSTROKE	
1:51.44 OTTO WULFF	85	6:41.56 GUS LANGNER	94
▪ 100 M. BREASTSTROKE		7:16.62 GUS LANGNER	94
2:09.33 DAN DOTTERWEICH	93	▪ 100 M. INDIVIDUAL MEDLEY	
3:32.48 GEORGE BATKI	85	3:00.53 GUS LANGNER	94
3:38.51 HARRY POLITES	87	NO SWIMMERS	
▪ 200 M. BREASTSTROKE			
5:17.90 DAN DOTTERWEICH	96		
5:18.66 DAN DOTTERWEICH	89		
7:48.71 GEORGE BATKI	85		
▪ 50 M. BUTTERFLY			
1:04.75 JIM PENFIELD	93		
1:39.58 ROY BODINE	86		
▪ 200 M. BUTTERFLY			
8:26.16 ROY BODINE	97		
8:26.16 ROY BODINE	86		
▪ 100 M. INDIVIDUAL MEDLEY			
2:15.66 JIM PENFIELD	93		
3:00.59 ROY BODINE	86		
3:36.10 OTTO WULFF	85		
▪ 200 M. INDIVIDUAL MEDLEY			
5:02.31 HERB EISENSCHMIDT	91		
NO SWIMMERS			
▪ 400 M. INDIVIDUAL MEDLEY			
10:47.13 HERB EISENSCHMIDT	91		
NO SWIMMERS			

MEN 90-94

▪ 50 M. FREESTYLE	
50.09 GUS LANGNER	93
1:01.42 GUS LANGNER	94
1:05.13 PETER JURCZYK	92
1:09.51 JOE KAUFMAN	92
1:54.75 HARRY JAGGERS	90
▪ 100 M. FREESTYLE	
1:58.42 GUS LANGNER	93
2:16.80 GUS LANGNER	94
2:30.54 PETER JURCZYK	92
2:41.60 JOE KAUFMAN	92
▪ 200 M. FREESTYLE	
4:27.70 GUS LANGNER	93
5:28.74 GUS LANGNER	94
▪ 400 M. FREESTYLE	

1997 SHORT-COURSE METERS - TOP-TEN RELAYS

WOMEN'S RELAYS			
200 M. FREE REL WOMEN 76+			
UNIV HOUSTON 1:59.79 88			
PEGGY PLOUGH			
STACY JONES			
JANE HALLENBECK			
SANDY JOHNSON			
GRIN 2:05.47			
SUSAN PERKINS 22			
HEIDI SCHWARTZ 26			
K PINGER 24			
MELISSA THOMPSON 27			
RUTGERS/BERKELE 2:06.49			
WENDY PATRICK 25			
SIMONE RUBINSKY 21			
ANDI GRUMET 23			
ANGELA SCHNEPEL 25			
OJAI-SANTA BARB 2:09.66			
JENNIFER TAM 21			
KARIN ANDERSON 29			
CRISTEN HUBBELL 20			
JANE CAIRNS 27			
UCLA BRUIN MAST 2:11.92			
CAMMY CHEN 22			
COURTNEY THOMAS 25			
WINNY DONG 25			
C MC CARTY 25			
MICH 2:14.52			
JILL MURANY 23			
BONNIE CERVANTES 28			
VICTORIA WEBBER 22			
JESSICA SANTO 23			
CHINO AQUATICS 2:50.40			
DIANE VARGA 24			
SUSAN REESE 28			
MARGARET RAMERIZ 19			
SUZANNA CENICEROS 26			
200 M. FREE REL WOMEN 100+			
MICHIGAN 1:45.93 96			
DYNE BURRELL			
SUSIE DEVLIN			
MARY MUETING			
SHEILA TAORMINA			
EL SEGUNDO MAST 1:55.35			
HEIDI HANNENIAN 26			
D GRANER GALLAS 33			
MARY BERGEN 27			
SHEILA COFFMAN 33			
SO CAL AQUATICS 1:59.02			
LYNN CANNING 36			
TOMO KAWASAKI 26			
DEBBIE EVANS 20			
HARMONY JOHNSON 19			
WIS MASTERS 2:01.60			
SHERRI HEFFERAN 29			
KRISTEEN CARNE 30			
MANDY EASTERDAY 21			
E HEIMLICH 39			
RUTGERS/BERKELE 2:02.18			
MICHELE CARY 34			
ELLEN SOMMERLAD 26			
DEIRDRE OMARA 27			
LOUISE APPLETON 24			
WALNUT CREEK 2:04.52			
CLAIRE FOSTER 28			
SUZANNE BAKER 22			
KAREN DUGGAN 27			
KATHY WOEHRL 34			
PNA 2:05.39			
KARIN GARDNER 28			
VERONICA BOWMAN 26			
SHERRY VANSANT 26			
ANN LEMKE 27			
NEM 2:08.90			
WENDY GULLEY 32			
JENNIFER SCALISE 26			
SUSAN SOTIR 29			
BRITT GREINER 24			
CRESCENT HILL 2:09.21			
DONNA JOHNSON 30			
JULIE HOWARD 23			
C KLINGENFUS 26			
RHONA SWAIN 23			
CRAWFISH MASTER 2:12.39			
AMY THURMAN 25			
ANN HILL 28			
PAMELA RICE 33			
THERESA KLEIN 26			
UCLA BRUIN MAST 2:19.30			
MELISSA ROMEISER 28			
JANET STARK 31			
SUSAN BEGIN 30			
AMY ATCHISON 30			
200 M. FREE REL WOMEN 120+			
SAN DIEGO 1:53.26 96			
K PIPES-NEILSEN			
BETH KNIGHT			
MATHILDE BOUWMA			
NANCY NORTH			
UTAH 2:02.28			
P KAWAKAMI 46			
HEATHER CREEL 28			
STACEY TOBEY 28			
JULIE BILLS 29			
GRIN 2:03.67			
REBECCA HELM 31			
KRIS UPSHAW 30			
NICOLE TATE 34			
MARY ANN STEVENS 44			
SAN DIEGO SWIM 2:04.39			
NANCY NORTH 29			
ALISON TERRY 23			
D MORTENSEN 25			
DIANE HIRAKAWA 48			
COLONIALS 1776 2:06.22			
KATHY REMILLARD 37			
SUZANNE GEDNEY 29			
LAURIE HUG 32			
LAURE FEINBERG 40			
GRIN 2:06.95			
M CHILDRESS 31			
T CHILDRESS-BROWN 33			
ANN WELAGE 31			
S CHILDRESS-HOEK 35			
LAKE LYTAL 2:12.70			
JANET SINISCALCHI 41			
GLORIA NEMET 33			
ROBYN JACKSON 29			
GILLIAN SPILLER 25			
LONG BEACH SC 2:13.55			
MIMI FRANK 50			
ERIKA FAULKNER 34			
LAURIEJO HALL 21			
CAROLYN BENTLEY 28			
RUTGERS/BERKELE 2:14.31			
LISA BRADLEY 32			
SUSAN KIRK 37			
VALERIE PIERCE 33			
K FORRESTAL 21			
TEAM GREENVILLE 2:15.61			
BETH SCHEIMANN 35			
ARLENE HOUSE 35			
MINDY STUBBS 22			
BOBBIE SEABORN 41			
SIMI VALLEY SWI 2:17.88			
LEILANI TEDESKI 33			
HELAN BANG 27			
HELGA WINKLER 37			
DEANNA KOEHLER 28			
200 M. FREE REL WOMEN 160+			
SAN DIEGO 1:59.23 96			
BARBARA DUNBAR			
MARILYN FINK			
SALLY KARRASCH			
K PIPES-NEILSEN			
WALNUT CREEK 2:02.42			
PATTY LANDERS 41			
DEBBIE FLANSBURG 41			
R BRITTINGHAM 46			
LAURIE VIDAL 35			
MENLO PARK 2:16.43			
GINNY LANGMUIR 45			
KATHERINE BASS 45			
REBECCA PINTO 42			
JUDY STRAUSS 43			
SOLANA BEACH SW 2:16.86			
JOANIE MORGAN 47			
ELIZABETH DAVIDGE 36			
AILEEN ERARD 45			
TRISH KIMPER 51			
SLAM 2:19.12			
ARDETH MUELLER 56			
M MCNAMEE 31			
BETTY ANN LEVINE 39			
LAURA KESSLER 37			
WHITE PLAINS MA 2:19.13			
LINDA CARENA 48			
NANCY SURDOVAL 44			
REGINA RUSSO 42			
GENEVE EHINGER 29			
GOLD COAST 2:19.90			
CELIA DEVANNEY 40			
DEBBIE CAVANAUGH 39			
ELIZABETH WEISS 31			
B EDELMAIER 50			
EL SEGUNDO MAST 2:23.34			
VICTORIA NEWELL 32			
CYNTHIA TOURNAT 43			
MELINDA KALIN 41			
MAUREEN KIKUT 53			
WIS MASTERS-A 2:25.80			
J BOURGUIGNON 38			
CAROL REINKE 60			
KARI ANDERSON 31			
PATTY BAUS 39			
RUTGERS/BERKELE 2:27.58			
BETH MALONEY 47			
PEGGY DEROSA 47			
KAREN SHEARLY 36			
CATHY COPELAND 38			
HEARTLAND S A M 2:30.99			
STEPHANIE CLARK 39			
NANCY REED 70			
REBECCA JACKMAN 34			
SHAWNA MILNER 29			
200 M. FREE REL WOMEN 200+			
SAN DIEGO 2:11.52 97			
MARILYN FINK			
BARBARA DUNBAR			
LYNNE LUND			
JACKIE MARR			
SAN DIEGO SWIM 2:11.52			
MARILYN FINK 43			
BARBARA DUNBAR 48			
LYNNE LUND 57			
JACKIE MARR 54			
PNA 2:57.06			
LESLIE HELM 41			
JANET KAVADAS 65			
JEANNE ENSIGN 50			
JESSE PACE 44			
COLONIALS 1776 2:57.95			
PATRICIA TIMMINS 43			
MARY ANN MCCLAIN 56			
JANET MOELLER 62			
RUTH AARON 68			
OJAI-SANTA BARB 3:05.10			
KATHERINE WATSON 49			
RUTH FARNHAM 67			
KITTY JOHNSTON 55			
LOIS GOODMAN 50			
UCLA BRUIN MAST 3:07.37			
VICKI SERIANNI 46			
SANDRA CATHEY 48			
ANNA TAYLOR 64			
CHRISTIE CIRAULO 44			
SO CAL AQUATICS 3:17.47			
JOAN FORD 38			
HELEN GEOFFRION 58			
MARIE WALLACE 68			
LINDA TEPE 50			
HEARTLAND S A M 3:19.85			
BETTY COURTNEY 44			
TRISH HUNTER 63			
MARLEE VANDERHAUG 55			
MARILYN RAMEY 57			
CHINO AQUATICS 3:26.37			
JUDY ARNSTON 59			
CAROLE MOLTEN 50			
JANICE STRENGTH 50			
GINNY RUSSO 43			
PARIS ISLAND 3:46.21			
MARLA MOSELEY 50			
MELBA COOPER 50			
GINNIE KOZAK 50			
TATY BALASIS 64			
200 M. FREE REL WOMEN 240+			
NEW ENGLAND 2:25.52 94			
CLARA WALKER			
BILLIE A BURRILL			
DIANE REED			
JENNIFER LUKER			
SAN DIEGO SWIM 2:50.43			
BETSY JORDAN 60			
ANN DALLAM 67			
DIANA SILVA 75			
JACKIE MARR 54			
WALNUT CREEK 3:16.40			
PAT PREVETZ 76			
ELFRIEDE ROGERS 69			
PAT WHEATON 68			
DONNA MONROE 63			
HEARTLAND AQUAT 3:38.91			
NANCY REED 70			
JUDY TILARO 62			
ELFRIEDE LEHTO 64			
TRISH HUNTER 63			
GREATER N.O. MA 3:41.49			
PATRICIA ARNOLD 58			
MARGARET BROU 75			
KATHLEEN PILE 53			
CLAIRE ROACH 70			
ARKM 3:42.17			
LOUISE KUTSCHER 68			
FLO DIETZ 61			
BETTY SCOLAS 72			
SALLY OPPEL 64			
200 M. FREE REL WOMEN 280+			
OJAI S BARBARA 2:52.62 95			
RUTH BAAR			
SHIRLEY ERICKSON			
GRACE ALTUS			
GAY COLLINS			
SLAM 3:35.13			
EDITH HENDRY 86			

1997 SHORT-COURSE METERS - TOP-TEN RELAYS

CHERYL CORBETT 65	LAURIEJO HALL 21	CECILE MANY 43	LYNNE LUND 57
DORIS PETERS 74	ERIKA FAULKNER 34	MINDY ORKUS 40	CAROL SING 56
DOROTHY BURKE 57	SAKURA OKANIWA 19	PAIGE KIRN 29	OJAI-SANTA BARB 3:41.45
WALNUT CREEK MA 3:41.06	C DRISKILL 30	SHELLEY SCHUBACH 47	PAT POST 50
JEAN DURSTON 83	OJAI-SANTA BARB 2:36.71		HELEN FREDELL 55
SALLY JOY 80	S MENDRALA 27		TERI LAWTON 45
ELFRIEDE ROGERS 69	ROSEMARIE WILCOX 27	200 M. MEDLEY R WOMEN 160+	KITTY JOHNSTON 55
JAE HOWELL 75	KIM NIELSEN 36	SAN DIEGO 2:12.54 96	PARIS ISLAND 4:00.71
200 M. FREE REL WOMEN 320+	LUZMILA OCON 24	MARILYN FINK	MARGO MCGILL 45
ST PETE 4:09.37 93	SAN MATEO 2:38.26	K.PIPES-NEILSEN	TATY BALASIS 64
MARIAN MCKECHNIE	JANETTE ALBRECHT 29	BARBARA DUNBAR	MARLA MOSELEY 50
WIN KENNEDY	MICHELLE BRUSSEE 30	BETH KNIGHT	MELBA COOPER 50
FRANCES CICHANSKI	JILL GENELZA 28	GOLD COAST 2:29.72	200 M. MEDLEY R WOMEN 240+
KAY SCHIMPF	JENNIFER FEIX 28	RORIE ANDERSON 46	GOLD COAST 2:50.93 96
OJAI-SANTA BARB 5:23.43	NEM 2:41.74	CHRISTENA PAZOS 28	CYNTHIA BRUCE
JENNIE TAYLOR 80	HEATHER BEACON 28	DEBBIE CAVANAUGH 39	JUNE KRAUSER
GRACE ALTUS 73	NAOMI DAVIS 33	B EDELMAIER 50	ANNE GRAMS
RUTH RIDENOUR 83	JENNIFER OROGAN 29	SO CAL AQUATICS 2:33.00	MARGARET CHARLTON
GILDA DI PIERRE 87	J JENSEN-MOULT 22	BONNIE ADAIR 45	SAN DIEGO SWIM 2:56.24
200 M. MEDLEY R WOMEN 76+	WIS MASTERS 2:42.84	ELLEN ENGELKE 40	BETSY JORDAN 60
DAVIS AQUATIC 2:13.89 95	KRISTEEN CARNE 30	BARBARA HELD 44	MARIAN WOLLE 69
TATE BIRNIE	E HEIMLICH 39	SHANNON SULLIVAN 43	LYNNE LUND 57
WENDY CERRUTI	SHERRI HEFFERAN 29	WIS MASTERS-A 2:36.20	JACKIE MARR 54
CHRISTINE SCHULTZ	MANDY EASTERDAY 21	J BOURGUIGNON 38	ARKM 3:04.81
JENNIFER LUNDMARK	200 M. MEDLEY R WOMEN 120+	CAROL REINKE 60	LOUISE KUTSCHER 68
RUTGERS/BERKELE 2:26.18	SAN DIEGO 2:05.27 94	PATTY BAUS 39	FLO DIETZ 61
ANGELA SCHNEPEL 25	VICKY DAVIDSON	KARI ANDERSON 31	BETTY SCOLES 72
SIMONE RUBINSKY 21	MATHILDE BOUWMA	SOLANA BEACH SW 2:37.20	SALLY OPPEL 64
WENDY PATRICK 25	KARLYN PIPES	ELIZABETH DAVIDGE 36	HEARTLAND S A M 3:35.94
C NEUBERGER 21	BETH KNIGHT	JOANIE MORGAN 47	MARLEE VANDERHAUG 55
OJAI-SANTA BARB 2:31.26	UTAH 2:15.52	AILEEN ERARD 45	ELFRIEDE LEHTO 64
JENNIFER TAM 21	HEATHER CREEL 28	TRISH KIMPER 51	MARILYN RAMEY 57
CRISTEN HUBBELL 20	STACEY TOBEY 28	PNA 2:42.97	NANCY REED 70
JANE CAIRNS 27	JULIE BILLS 29	JESSE PACE 44	COLONIALS 1776 3:42.95
KARIN ANDERSON 29	P KAWAKAMI 46	TONYA BERG 37	MARY ANN MCCLAIN 56
UCLA BRUIN MAST 2:31.84	SO CAL AQUATICS 2:18.18	LESLIE HELM 41	L REYMERSDAL 68
MELINDA STORRS 26	RAMSEY MC DANIEL 30	DONNA KEYSER 38	JANET MOELLER 62
COURTNEY THOMAS 25	DIANNA TATE 36	NORTH CAROLINA 2:45.41	RUTH AARON 68
CAMMY CHEN 22	SHIRLEY KIM 25	SHARON BARRELL 36	GREATER N.O. MA 4:14.73
WINNY DONG 25	S MUNATONES 33	ALICE JONES 59	MARGARET BROU 75
200 M. MEDLEY R WOMEN 100+	LAKESIDE MASTER 2:21.65	LORRAINE WOODS 37	PATRICIA ARNOLD 58
SAN DIEGO 2:05.66 95	MELINDA SCHMITT 39	CEIL BLACKWELL 57	KATHLEEN PILE 53
VICKY DAVIDSON	MARY CURL 40	UCLA BRUIN MAST 2:46.15	CLAIRE ROACH 70
MATHILDE BOUWMA	PAM MARTIN 40	VICKI SERIANNI 46	200 M. MEDLEY R WOMEN 280+
K PIPES-NEILSEN	AMY POPE 37	ANNETE BUHL 40	SAN DIEGO 3:25.81 96
D MORTENSEN	WHITE PLAINS MA 2:31.96	CHRISTIE CIRAULO 44	DIANA SILVA
RUTGERS/BERKELE 2:18.62	NANCY SURDOVAL 44	RORY BARISH 41	ALICIA COLEMAN
BRIDGET COLL 27	GENEVE EHINGER 29	RUTGERS/BERKELE 2:47.28	ANN DALLAM
ELLEN SOMMERLAD 26	CAROLYN REUTER 25	BETH MALONEY 47	BOBBI TURCOTTE
MICHELE CARY 34	REGINA RUSSO 42	SUSAN KIRK 37	WALNUT CREEK MA 3:35.52
LISA BRADLEY 32	NEM 2:32.32	PEGGY DEROSA 47	SALLY JOY 80
GREATER N.O. MA 2:25.80	TRACY GRILLI 40	VALERIE PIERCE 33	JAE HOWELL 75
KATHY STOUTD 41	KIM GOODWIN 39	HEARTLAND S A M 2:47.91	R BRITTINGHAM 46
JAMILA WILLIAMS 21	K TETREAUULT 36	STEPHANIE CLARK 39	JEAN DURSTON 83
ANGELE PILIE 26	J NIEVERGELT 37	REBECCA JACKMAN 34	SAN MATEO 4:14.49
DANA KESSEL 23	GRIN 2:33.24	SHAWNA MILNER 29	AUDREY ETIENNE 81
SAN MATEO MARL 2:30.05	HEIDI BEHRENDT 31	JUDY TILARO 62	HILDA BUEL 83
TINA SANDLIN 29	CATHY SCHUSTER 39	SAN DIEGO SWIM 2:51.12	DALE FINCH 46
DEBBIE STOCKWELL 27	JULIE BICKEL 36	LAURA MELDRUM 44	ZADA TAFT 78
RENATTA WOLFE 27	PAM GAAR 28	DIANE HIRAKAWA 48	MICHIGAN 4:15.98
NIA TARADASH 28	PARIS ISLAND 2:33.61	SUSAN WESTON 46	JEAN BAILS 51
GRIN 2:32.88	VIOLETTA ACOSTA 33	GINI BAKER 46	EDITH GLUSAC 78
SUSAN PERKINS 22	PAM DRAFTS 40	200 M. MEDLEY R WOMEN 200+	LOIS NOCHMAN 72
KRIS UPSHAW 30	MARY HAYES 28	SAN DIEGO 2:29.70 97	MARTHA FORSTER 79
SACHI SAWAMURA 31	LEESA KENT 39	BETSY JORDAN	200 M. MEDLEY R WOMEN 320+
ANN WELAGE 31	200 M. MEDLEY R WOMEN 100+	JACKIE MARR	SAN MATEO 4:39.75 96
CRAWFISH MASTER 2:34.54	SIMI VALLEY SWI 2:35.40	BARBARA DUNBAR	HELEN ROUMASSET
THERESA KLEIN 26	HELGA WINKLER 37	MARILYN FINK	HILDA BUEL
AMY THURMAN 25	DEANNA KOEHLER 28	SAN DIEGO SWIM 2:29.70	ZADA TAFT
ANN HILL 28	PAM HECKEL 33	BETSY JORDAN 60	AUDREY ETIENNE
MEG HAVILAND 40	LEILANI TEDESKI 33	JACKIE MARR 54	NO RELAYS
LONG BEACH SC 2:36.56	LAKE LYTAL 2:40.15	BARBARA DUNBAR 48	
	DIANA LUCAS 30	MARILYN FINK 43	
	GLORIA NEMET 33	SAN DIEGO SWIM 3:05.09	
	ROBYN JACKSON 29	PEGGY LEONG 53	
	VALERIE HAUQUITZ 42	ANN DALLAM 67	
	ELMWOOD SHARKS 2:43.81		

1997 SHORT-COURSE METERS - TOP-TEN RELAYS

<p>400 M. FREE REL WOMEN 76+</p> <p>DAVIS AQUATIC 4:23.57 95</p> <p style="padding-left: 20px;">TATE BIRNIE</p> <p style="padding-left: 20px;">WENDY CERRUTI</p> <p style="padding-left: 20px;">CHRISTINE SCHULTZ</p> <p style="padding-left: 20px;">JENNIFER LUNDMARK</p> <p>UCLA BRUIN MAST 4:59.65</p> <p style="padding-left: 20px;">MELINDA STORRS 26</p> <p style="padding-left: 20px;">COURTNEY THOMAS 25</p> <p style="padding-left: 20px;">CAMMY CHEN 22</p> <p style="padding-left: 20px;">KIRA NORDBY 25</p> <p>RUTGERS/BERKELE 5:08.13</p> <p style="padding-left: 20px;">SIMONE RUBINSKY 21</p> <p style="padding-left: 20px;">K FORRESTAL 21</p> <p style="padding-left: 20px;">LESLIE DORMAN 26</p> <p style="padding-left: 20px;">WENDY PATRICK 25</p> <p>400 M. FREE REL WOMEN 100+</p> <p>SAN DIEGO 4:18.04 96</p> <p style="padding-left: 20px;">D.MORTENSEN</p> <p style="padding-left: 20px;">SHIRLEY BOYD</p> <p style="padding-left: 20px;">MATHILDE BOUWMA</p> <p style="padding-left: 20px;">NANCY NORTH</p> <p>NEM 4:34.61</p> <p style="padding-left: 20px;">JENNIFER SCALISE 26</p> <p style="padding-left: 20px;">KAREN TARASZKA 27</p> <p style="padding-left: 20px;">SUSAN SOTIR 29</p> <p style="padding-left: 20px;">BRITT GREINER 24</p> <p>CRESCENT HILL M 5:20.68</p> <p style="padding-left: 20px;">FLAVIA BERETTA 25</p> <p style="padding-left: 20px;">CARRIE KLINGENFUS 26</p> <p style="padding-left: 20px;">MICHELLE WARD 28</p> <p style="padding-left: 20px;">BRIDGET NASTASI 31</p> <p>RUTGERS/BERKELE 5:24.46</p> <p style="padding-left: 20px;">ANDI GRUMET 23</p> <p style="padding-left: 20px;">AMIE QUIVEY 25</p> <p style="padding-left: 20px;">SHELLEY PREBENDA 35</p> <p style="padding-left: 20px;">KAREN SHEARLY 36</p> <p>400 M. FREE REL WOMEN 120+</p> <p>SAN DIEGO 4:11.50 94</p> <p style="padding-left: 20px;">BETH KNIGHT</p> <p style="padding-left: 20px;">MATHILDE BOUWMA</p> <p style="padding-left: 20px;">VICKY DAVIDSON</p> <p style="padding-left: 20px;">KARLYN PIPES</p> <p>CRESCENT HILL M 4:43.15</p> <p style="padding-left: 20px;">ANGELA FOX 31</p> <p style="padding-left: 20px;">DONNA JOHNSON 30</p> <p style="padding-left: 20px;">JANET ZELLER 34</p> <p style="padding-left: 20px;">GINA GATTI 34</p> <p>COLONIALS 1776 5:00.95</p> <p style="padding-left: 20px;">KATHY REMILLARD 37</p> <p style="padding-left: 20px;">SUZANNE GEDNEY 29</p> <p style="padding-left: 20px;">ALYSON CHICK 34</p> <p style="padding-left: 20px;">LAURE FEINBERG 40</p> <p>SIMI VALLEY SWI 5:05.27</p> <p style="padding-left: 20px;">HELGA WINKLER 37</p> <p style="padding-left: 20px;">PAM HECKEL 33</p> <p style="padding-left: 20px;">LEILANI TEDESKI 33</p> <p style="padding-left: 20px;">DEANNA KOEHLER 28</p> <p>WHITE PLAINS MA 5:16.28</p> <p style="padding-left: 20px;">LINDA CARENA 48</p> <p style="padding-left: 20px;">GENEVE EHINGER 29</p> <p style="padding-left: 20px;">CAROLYN REUTER 25</p> <p style="padding-left: 20px;">NANCY SURDOVAL 44</p> <p>SAN DIEGO SWIM 5:25.61</p> <p style="padding-left: 20px;">ANNETTE BERNIER 35</p> <p style="padding-left: 20px;">CHERRY ROBINSON 35</p> <p style="padding-left: 20px;">MEGHAN TWEEDY 42</p> <p style="padding-left: 20px;">NANCY NORTH 29</p> <p>SAN DIEGO SWIM 5:38.06</p> <p style="padding-left: 20px;">CINDY LARUE 35</p> <p style="padding-left: 20px;">S MAINWARING 42</p> <p style="padding-left: 20px;">KATIE HALLIDAY 28</p> <p style="padding-left: 20px;">ANNETTE EDWARDS 33</p>	<p>GRIN 5:58.36</p> <p style="padding-left: 20px;">PEGGY COOK 41</p> <p style="padding-left: 20px;">JULIE BICKEL 36</p> <p style="padding-left: 20px;">LINDA PETIT 42</p> <p style="padding-left: 20px;">PAM GAAR 28</p> <p>LOUISVILLE Y MA 6:01.53</p> <p style="padding-left: 20px;">GAYLEE GILLIM 43</p> <p style="padding-left: 20px;">SALLIE DILAURA 39</p> <p style="padding-left: 20px;">POLLY BLAKEMORE 30</p> <p style="padding-left: 20px;">TRACY GILLILAN 26</p> <p>400 M. FREE REL WOMEN 160+</p> <p>SAN DIEGO 4:14.13 96</p> <p style="padding-left: 20px;">BETH KNIGHT</p> <p style="padding-left: 20px;">BARBARA DUNBAR</p> <p style="padding-left: 20px;">MARILYN FINK</p> <p style="padding-left: 20px;">K.PIPES-NEILSEN</p> <p>SOLANA BEACH SW 5:05.45</p> <p style="padding-left: 20px;">JOANIE MORGAN 47</p> <p style="padding-left: 20px;">AILEEN ERARD 45</p> <p style="padding-left: 20px;">ELIZABETH DAVIDGE 36</p> <p style="padding-left: 20px;">TRISH KIMPER 51</p> <p>SO CAL AQUATICS 5:21.26</p> <p style="padding-left: 20px;">BONNIE ADAIR 45</p> <p style="padding-left: 20px;">BARBARA HELD 44</p> <p style="padding-left: 20px;">ELLEN ENGELKE 40</p> <p style="padding-left: 20px;">SHANNON SULLIVAN 43</p> <p>UCLA BRUIN MAST 5:45.89</p> <p style="padding-left: 20px;">VICKI SERIANNI 46</p> <p style="padding-left: 20px;">ANNETE BUHL 40</p> <p style="padding-left: 20px;">CHRISTIE CIRAULO 44</p> <p style="padding-left: 20px;">RORY BARISH 41</p> <p>LA MESA MASTERS 6:12.32</p> <p style="padding-left: 20px;">SHANNON DIMARTINO 21</p> <p style="padding-left: 20px;">ANN MARTIN 68</p> <p style="padding-left: 20px;">ROSEMARY HUTZLEY 43</p> <p style="padding-left: 20px;">CATHY RUFF 29</p> <p>UCLA BRUIN MAST 6:16.10</p> <p style="padding-left: 20px;">SHERON JOHNSTON 38</p> <p style="padding-left: 20px;">ANNA TAYLOR 64</p> <p style="padding-left: 20px;">SANDRA CATHEY 48</p> <p style="padding-left: 20px;">GERALDINE TAYLOR 40</p> <p>400 M. FREE REL WOMEN 200+</p> <p>SAN DIEGO 4:54.44 97</p> <p style="padding-left: 20px;">MARILYN FINK</p> <p style="padding-left: 20px;">BARBARA DUNBAR</p> <p style="padding-left: 20px;">JACKIE MARR</p> <p style="padding-left: 20px;">BETSY JORDAN</p> <p>SAN DIEGO SWIM 4:54.44</p> <p style="padding-left: 20px;">MARILYN FINK 43</p> <p style="padding-left: 20px;">BARBARA DUNBAR 48</p> <p style="padding-left: 20px;">JACKIE MARR 54</p> <p style="padding-left: 20px;">BETSY JORDAN 60</p> <p>OJAI-SANTA BARB 6:49.78</p> <p style="padding-left: 20px;">LOIS GOODMAN 50</p> <p style="padding-left: 20px;">KATHERINE WATSON 49</p> <p style="padding-left: 20px;">KITTY JOHNSTON 55</p> <p style="padding-left: 20px;">RUTH FARNHAM 67</p> <p>HEARTLAND S A M 7:35.65</p> <p style="padding-left: 20px;">STEPHANIE CLARK 39</p> <p style="padding-left: 20px;">BETTY COURTNEY 44</p> <p style="padding-left: 20px;">ELFRIEDE LEHTO 64</p> <p style="padding-left: 20px;">TRISH HUNTER 63</p> <p>COLONIALS 1776 7:42.50</p> <p style="padding-left: 20px;">L REYMERSDAL 68</p> <p style="padding-left: 20px;">MARY ANN MCCLAIN 56</p> <p style="padding-left: 20px;">JANET MOELLER 62</p> <p style="padding-left: 20px;">PATRICIA TIMMINS 43</p> <p>400 M. FREE REL WOMEN 240+</p> <p>GOLD COAST 5:46.69 95</p> <p style="padding-left: 20px;">MARYANN MEEKINS</p> <p style="padding-left: 20px;">ANN MCGUIRE</p> <p style="padding-left: 20px;">B EDELMAIER</p>	<p>MARGARET TIMMINS</p> <p>HEARTLAND S A M 6:51.90</p> <p style="padding-left: 20px;">MARILYN RAMEY 57</p> <p style="padding-left: 20px;">MARLEE VANDERHAUG 55</p> <p style="padding-left: 20px;">NANCY REED 70</p> <p style="padding-left: 20px;">JUDY TILARO 62</p> <p>OJAI-SANTA BARB 7:05.97</p> <p style="padding-left: 20px;">RUTH FARNHAM 67</p> <p style="padding-left: 20px;">GRACE ALTUS 73</p> <p style="padding-left: 20px;">MALCHIA OLSHAN 66</p> <p style="padding-left: 20px;">GAY COLLINS 67</p> <p>MICHIGAN 8:18.02</p> <p style="padding-left: 20px;">JEAN BAILS 52</p> <p style="padding-left: 20px;">LOIS NOCHMAN 72</p> <p style="padding-left: 20px;">EDITH GLUSAC 78</p> <p style="padding-left: 20px;">MARY WILLIAMS 65</p> <p>400 M. FREE REL WOMEN 280+</p> <p>OJAI/SBARBARA 6:42.68 97</p> <p style="padding-left: 20px;">GAY COLLINS</p> <p style="padding-left: 20px;">GRACE ALTUS</p> <p style="padding-left: 20px;">MALCHIA OLSHAN</p> <p style="padding-left: 20px;">RUTH BAAR</p> <p>OJAI-SANTA BARB 6:42.68</p> <p style="padding-left: 20px;">GAY COLLINS 67</p> <p style="padding-left: 20px;">GRACE ALTUS 73</p> <p style="padding-left: 20px;">MALCHIA OLSHAN 66</p> <p style="padding-left: 20px;">RUTH BAAR 74</p> <p>WALNUT CREEK MA 8:19.14</p> <p style="padding-left: 20px;">JAE HOWELL 75</p> <p style="padding-left: 20px;">SALLY JOY 80</p> <p style="padding-left: 20px;">JEAN DURSTON 83</p> <p style="padding-left: 20px;">ELFRIEDE ROGERS 69</p> <p>400 M. FREE REL WOMEN 320+</p> <p>SAN MATEO 9:11.05 96</p> <p style="padding-left: 20px;">AUDREY ETIENNE</p> <p style="padding-left: 20px;">HELEN ROUMASSET</p> <p style="padding-left: 20px;">HILDA BUEL</p> <p style="padding-left: 20px;">ZADA TAFT</p> <p>NO RELAYS</p> <p>400 M. MEDLEY R WOMEN 76+</p> <p>EMPIRE STATE 5:07.60 91</p> <p style="padding-left: 20px;">DEANNA COLACITO</p> <p style="padding-left: 20px;">MONICA LEE</p> <p style="padding-left: 20px;">CHERYL KUPAN</p> <p style="padding-left: 20px;">KRISTIN BROOKS</p> <p>MICH 5:55.26</p> <p style="padding-left: 20px;">VICTORIA WEBBER 22</p> <p style="padding-left: 20px;">JILL MURANY 23</p> <p style="padding-left: 20px;">MARIA KATTULA 26</p> <p style="padding-left: 20px;">BONNIE CERVANTES 28</p> <p>UCLA BRUIN MAST 6:08.90</p> <p style="padding-left: 20px;">CAMMY CHEN 22</p> <p style="padding-left: 20px;">WINNY DONG 25</p> <p style="padding-left: 20px;">ADRIANA NOYA 27</p> <p style="padding-left: 20px;">KIRA NORDBY 25</p> <p>400 M. MEDLEY R WOMEN 100+</p> <p>SAN DIEGO 4:41.95 97</p> <p style="padding-left: 20px;">ALISON TERRY</p> <p style="padding-left: 20px;">K PIPES-NEILSEN</p> <p style="padding-left: 20px;">NANCY NORTH</p> <p style="padding-left: 20px;">DIANE GLEASON</p> <p>SAN DIEGO SWIM 4:41.95</p> <p style="padding-left: 20px;">ALISON TERRY 23</p> <p style="padding-left: 20px;">K PIPES-NEILSEN 35</p> <p style="padding-left: 20px;">NANCY NORTH 29</p> <p style="padding-left: 20px;">DIANE GLEASON 32</p> <p>WALNUT CREEK 5:00.62</p> <p style="padding-left: 20px;">CLAIRE FOSTER 28</p> <p style="padding-left: 20px;">KAREN DUGGAN 27</p> <p style="padding-left: 20px;">SUSAN STRONG 26</p>	<p>ANNE OBERG 26</p> <p>CRESCENT HILL M 5:57.21</p> <p style="padding-left: 20px;">FLAVIA BERETTA 25</p> <p style="padding-left: 20px;">CARRIE KLINGENFUS 26</p> <p style="padding-left: 20px;">MICHELLE WARD 28</p> <p style="padding-left: 20px;">JULIE HOWARD 23</p> <p>400 M. MEDLEY R WOMEN 120+</p> <p>SAN DIEGO 4:48.28 96</p> <p style="padding-left: 20px;">LARA BIGLEY</p> <p style="padding-left: 20px;">K PIPES-NEILSON</p> <p style="padding-left: 20px;">NANCY NORTH</p> <p style="padding-left: 20px;">VICKY DAVIDSON</p> <p>WALNUT CREEK 4:48.99</p> <p style="padding-left: 20px;">PAM BOSCOVICH 34</p> <p style="padding-left: 20px;">KIM MORGAN 31</p> <p style="padding-left: 20px;">LISA WARD 33</p> <p style="padding-left: 20px;">LAURIE VIDAL 35</p> <p>CRESCENT HILL M 5:25.47</p> <p style="padding-left: 20px;">DONNA JOHNSON 30</p> <p style="padding-left: 20px;">GINA GATTI 34</p> <p style="padding-left: 20px;">BRIDGET NASTASI 31</p> <p style="padding-left: 20px;">ANGELA FOX 31</p> <p>LOUISVILLE Y MA 5:30.89</p> <p style="padding-left: 20px;">GAYLEE GILLIM 43</p> <p style="padding-left: 20px;">SALLIE DILAURA 39</p> <p style="padding-left: 20px;">DANA FRANKS 24</p> <p style="padding-left: 20px;">POLLY BLAKEMORE 30</p> <p>WHITE PLAINS MA 5:57.81</p> <p style="padding-left: 20px;">NANCY SURDOVAL 44</p> <p style="padding-left: 20px;">GENEVE EHINGER 29</p> <p style="padding-left: 20px;">CAROLYN REUTER 25</p> <p style="padding-left: 20px;">REGINA RUSSO 42</p> <p>GRIN 6:00.30</p> <p style="padding-left: 20px;">JULIE BICKEL 36</p> <p style="padding-left: 20px;">PAM GAAR 28</p> <p style="padding-left: 20px;">HEIDI BEHRENDT 31</p> <p style="padding-left: 20px;">CATHY SCHUSTER 39</p> <p>SIMI VALLEY SWI 6:09.38</p> <p style="padding-left: 20px;">HELGA WINKLER 37</p> <p style="padding-left: 20px;">HELAN BANG 27</p> <p style="padding-left: 20px;">DEANNA KOEHLER 28</p> <p style="padding-left: 20px;">LEILANI TEDESKI 33</p> <p>MENLO PARK 6:26.31</p> <p style="padding-left: 20px;">LISA GOODRICH 28</p> <p style="padding-left: 20px;">LISA SHEEPER 33</p> <p style="padding-left: 20px;">ANNA MALSCH 23</p> <p style="padding-left: 20px;">HEIDI RENNER 40</p> <p>UCLA BRUIN MAST 6:36.10</p> <p style="padding-left: 20px;">SHERON JOHNSTON 38</p> <p style="padding-left: 20px;">SUSAN BEGIN 30</p> <p style="padding-left: 20px;">DEBORAH POLIER 39</p> <p style="padding-left: 20px;">RORY BARISH 41</p> <p>WILDCAT MASTERS 6:40.16</p> <p style="padding-left: 20px;">AMY HELLMAN 20</p> <p style="padding-left: 20px;">TITA ARNOLD 56</p> <p style="padding-left: 20px;">DAVID BOYD 42</p> <p style="padding-left: 20px;">CHAD RIEGLE 22</p> <p>400 M. MEDLEY R WOMEN 160+</p> <p>LOS ALTOS 5:00.90 93</p> <p style="padding-left: 20px;">AIMEE LEHR</p> <p style="padding-left: 20px;">SUSAN ROY</p> <p style="padding-left: 20px;">LAURA VAL</p> <p style="padding-left: 20px;">CAROLYN BOAK</p> <p>WALNUT CREEK 5:23.07</p> <p style="padding-left: 20px;">PATTY LANDERS 41</p> <p style="padding-left: 20px;">MARGOT PRESTON 37</p> <p style="padding-left: 20px;">DEBBIE FLANSBURD 41</p> <p style="padding-left: 20px;">R BRITTINGHAM 46</p> <p>MENLO PARK 5:57.01</p> <p style="padding-left: 20px;">GINNY LANGMUIR 45</p> <p style="padding-left: 20px;">KATHERINE BASS 45</p> <p style="padding-left: 20px;">REBECCA PINTO 41</p> <p style="padding-left: 20px;">JUDY STRAUSS 43</p> <p>SAN DIEGO SWIM 6:10.24</p>
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1997 SHORT-COURSE METERS - TOP-TEN RELAYS

D MORTENSEN	25	FRIEDA SIDORSKY	80	C SCHROEDER	48	EALING JAHN	21
DIANE HIRAKAWA	48	SALLY JOY	80	MARY ANN MCCLAIN	56	UCLA BRUIN B	2:01.04
SUSAN WESTON	46	JEAN DURSTON	83	PATRICIA TIMMINS	43	TIN DO	23
GINI BAKER	46	MARY JANE REEVES	80	LAURIE HUG	32	M BEAUREGARD	23
UCLA BRUIN MAST	6:33.45			HEARTLAND AQUAT	13:12.83	DANIEL RAPHAEL	26
VICKI SERIANNI	46	800 M. FREE REL WOMEN 76+		SHAWNA MILNER	29	MICHAEL CATHEY	27
SANDRA CATHEY	48			JUDY TILARO	62		
CHRISTIE CIRAULO	44	DCAC	9:47.25 96	STEPHANIE CLARK	39	200 M. FREE REL MEN 100+	
BRENDA JARMAKANI	50	GRETCHEN HURLEY		ELAINE PERRY	41		
COLONIALS 1776	6:40.70	SARAH KING		SAN DIEGO SWIM	13:24.54	EL SUGUNDO	1:35.70 97
C SCHROEDER	48	MERILEE ROBINSON		GINI BAKER	46	FRANK WATTLES	
PATRICIA TIMMINS	43	ELIZA BARCUS		BARBARA WAKEFIELD	43	DEREK ROBINSON	
MARY ANN MCCLAIN	56	NO RELAYS		NANCY KEMPER	39	MARCEL RINZLER	
KATHY REMILLARD	37			LAURA MELDRUM	44	BERT BERGEN	
HEARTLAND S A M	6:53.14	800 M. FREE REL WOMEN 100+				EL SEGUNDO SWIM	1:35.70
SHAWNA MILNER	29			800 M. FREE REL WOMEN 200+		FRANK WATTLES	27
STEPHANIE CLARK	39	SAN DIEGO	9:16.40 95	SAN DIEGO	10:35.61 97	DEREK ROBINSON	28
REBECCA JACKMAN	34	VICKY DAVIDSON		MARILYN FINK		MARCEL RINZLER	26
TRISH HUNTER	63	DIANNE GLEASON		BARBARA DUNBAR		BERT BERGEN	30
LA MESA MASTERS	7:27.08	MATHILDE BOUWMA		JACKIE MARR		RUTGERS/BERKELE	1:41.04
ANN MARTIN	68	NANCY NORTH		BETSY JORDAN		RICHARD TOOTHILL	27
ROSEMARY HUTZLEY	43	MARYLAND MASTER	9:59.16	SAN DIEGO SWIM	10:35.61	TRISTAN FORMON	25
SHANNON DIMARTINO	21	SUZIE FISCH	28	MARILYN FINK	43	ED TSUZUKI	38
CATHY RUFF	29	KRISTEN CORBETT	31	BARBARA DUNBAR	48	RICHARD SLAWINSKI	24
		RACHEL BERKOWITZ	26	JACKIE MARR	54	MICH	1:41.27
400 M. MEDLEY R WOMEN 200+		JOANNE SONBERG	23	BETSY JORDAN	60	JON TEAL	26
		NEM	11:26.90	MICHIGAN	19:12.22	BILL EAGAN	34
SAN DIEGO	5:41.12 97	JENNIFER SCALISE	26	MARY WILLIAMS	65	ERIC NEWTON	24
BETSY JORDAN		SUSAN SOTIR	29	KATHY BECKLEY	50	CRIS ZOLTAK	22
LYNNE LUND		KAREN TARASZKA	27	GENEVIEVE MOYER	48	EL SEGUNDO SWIM	1:41.81
BARBARA DUNBAR		BRITT GREINER	24	LOIS NOCHMAN	73	BRIAN KELCA	37
MARILYN FINK						STEVEN BERGEN	22
SAN DIEGO SWIM	5:41.12	800 M. FREE REL WOMEN 120+		800 M. FREE REL WOMEN 240+		DAVE HUSTON	25
BETSY JORDAN	60			SAN DIEGO	12:54.35 94	JIM BERGEN	29
LYNNE LUND	56	SAN DIEGO	9:05.72 96	BETSY JORDAN		CRESCENT HILL M	1:45.32
BARBARA DUNBAR	48	NANCY NORTH		BOBBI TURCOTTE		JEFF FELTZER	26
MARILYN FINK	43	D.MORTENSEN		DIANA SILVA		MICHAEL NEAL	33
		BETH KNIGHT		BARBARA DUNBAR		BRAD SCHMIED	25
400 M. MEDLEY R WOMEN 240+		K.PIPES-NEILSEN		HEARTLAND S A M	16:03.92	PAUL WIDMAN	24
		LAKESIDE MASTER	9:44.39	NANCY REED	70	WALNUT CREEK	1:46.29
ST LOUIS	6:24.68 92	AMY POPE	37	JUDY TILARO	62	TODD YENCHE	27
REGAN KENNER		MELINDA SCHMITT	39	ELFRIEDE LEHTO	64	ANDY HAWKSWORTH	26
CAROL TAYLOR		PAM MARTIN	40	MARLEE VANDERHAUG	55	NEIL LEARY	32
ARDETH MUELLER		MARY CURL	40			STEVE STAHL	32
JEAN SCHNORBUS		RUTGERS/BERKELE	10:21.85	800 M. FREE REL WOMEN 280+		LA MESA MASTERS	1:46.39
WALNUT CREEK	8:00.16	ELLEN SOMMERLAD	26	ST. LOUIS	15:49.09 91	SHANNON POTTER	27
FLORENCE LINKE	67	CATHY COPELAND	38	CAROL TAYLOR		JOHN LAPP	29
ELFRIEDE ROGERS	69	PAM BANKS	44	DORIS PETERS		MICHAEL BAUER	28
JOAN ALEXANDER	65	ANGELA SCHNEPEL	25	EDITH HENDRY		DALE WEBSTER	28
DONNA MONROE	63	SIMI VALLEY SWI	11:05.28	ANNALOU CARRIER		MICH	1:47.52
HEARTLAND MASTE	8:10.80	LEILANI TEDESKI	33	NO RELAYS		ERIC NORDLUND	33
JUDY TILLARO	62	HELAN BANG	27	800 M. FREE REL WOMEN 320+		JOHN O'BRIEN	27
NANCY REED	70	HELGA WINKLER	37	SAN MATEO	20:48.75 94	MARK HESSKAMP	36
MARILYN RAMEY	56	DEANNA KOEHLER	28	AUDREY ETIENNE		ERIC CROMBEZ	23
MARLEE VALDERHAUG	55	HEARTLAND S A M	11:47.83	HELEN ROUMASSET		UTAH	1:50.09
MICHIGAN	9:20.81	SHAWNA MILNER	29	EDIE GOLDMAN		PAT HAYES	34
JEAN BAILS	52	REBECCA JACKMAN	34	HILDA BUEL		JOSH WEIDAUER	21
EDITH GLUSAC	78	STEPHANIE CLARK	39	NO RELAYS		CHRIS HORNE	24
MARY WILLIAMS	65	MARILYN RAMEY	57	800 M. FREE REL WOMEN 160+		RYAN THIERBACH	23
BEVERLY MYERS	62	WHITE PLAINS MA	11:51.90	LAKESIDE	10:08.31 96	NEM	1:51.44
		GENEVE EHINGER	29	PAM MARTIN		SQUIRE PAIGE	26
400 M. MEDLEY R WOMEN 280+		CAROLYN REUTER	25	A WRIGHT-BELKNAP		BART RICHARDS	24
		REGINA RUSSO	42	MARY CURL		MICHAEL BOWERS	31
SAN DIEGO	8:13.24 96	NANCY SURDOVAL	44	AMY POPE		PABLO STANSBERY	36
BOBBI TURCOTTE		GRIN	12:40.23	COLONIALS 1776	12:15.85		
ALICIA COLEMAN		HEIDI BEHRENDT	31			200 M. FREE REL MEN 120+	
DIANA SILVA		JULIE BICKEL	36			BAYLOR/LONESTAR	1:37.89 92
ANN DALLAM		CATHY SCHUSTER	39			RICHARD HESS	
NO RELAYS		PAM GAAR	28			DOUG MOYSE	
						MOOK RHODENBAUGH	
400 M. MEDLEY R WOMEN 320+						BOBBY PATTEN	
						RUTGERS/BERKELE	1:44.35
WALNUT CREEK	10:12.19 97					STEPHAN KRUCKER	24
FRIEDA SIDORSKI						KEN FITCH	32
SALLY JOY						BENN DOYLE	39
JEAN DURSTON						SCOTT YEOMANS	33
MARY JANE REEVES						RUTGERS/BERKELE	1:46.30
WALNUT CREEK	10:12.19						

1997 SHORT-COURSE METERS - TOP-TEN RELAYS

AARON MOORE	32	LELAND SWANSON	46	BRUCE E DAY	47	DEXTER WOODFORD	83
CHRIS MCGIFFIN	31	COLIN CHINN	39	PETER R BETZER	55	PAUL KRUP	79
PAUL ANDERSON	37	MIKE WILTGEN	39	KONRAD P EULER	62	PNA	3:10.00
PETE RAHKO	31	LARRY CARTWRIGHT	49	HAROLD FERRIS	66	GENE CROSSETT	83
UCLA BRUIN MAST	1:47.17	OREG	1:54.24	200 M. FREE REL	MEN 240+	EVERETT CASSELL	83
MICHAEL COLLINS	31	MICHAEL DOUGLAS	40	GOLD COAST	1:56.96 97	HAL YOUNG	75
GERRY RODRIGUES	35	TOM LANDIS	55	CAV CAVANAUGH		CLARK PACE	44
MARK STEELE	30	SEAN BURTON	20	WILLIAM DOLAN		NORTH CAROLINA	4:01.94
MARK SNYDER	38	STEVE MANN	45	DAVID MCINTYRE		HAROLD HOFFMAN	89
MENLO PARK	1:47.64	OREG	1:55.31	JOEL BURNS		BOYD CAMPBELL	87
SHAUN SAMUELS	36	PAT ALLENDER	39	GOLD COAST	1:56.96	MILTON GEE	60
DARIUS PACZUSKI	29	G R JOHNSON	41	CAV CAVANAUGH	61	DICK WEBBER	68
BRUCE LINN	43	GEORGE THAYER	61	DAVID MCINTYRE	60	200 M. FREE REL	MEN 320+
ED OWEN	25	JESS HICKERSON	45	WILLIAM DOLAN	68	COAST	2:49.99 97
COLONIALS 1776	1:47.71	OREG	1:56.17	JOEL BURNS	51	LOUIS GIBERSON	
WARREN FISHER	41	PHIL KRUEGER	51	OREG	1:58.65	WOODY BOWERSOCK	
BILL MYERS	44	MICHAEL HECKERT	44	GEORGE THAYER	61	BOB CHRISTIANS	
ARTHUR ZAWODNY	30	ROGER MACNAIR	38	DICK SLAWSON	61	WALTER PFEIFFER	
JOE BLACK	38	DOUG STEWART	34	RICHARD WEICK	63	COAST MASTERS	2:49.99
GEORGIA MASTERS	1:49.00	PARIS ISLAND	1:57.59	DAVID RADCLIFF	63	LOUIS GIBERSON	77
DAN BEATTY	31	CALEB HOOD	23	SAN DIEGO SWIM	2:02.92	WOODROW BOWERSOCK	84
BRIAN PAKKALA	35	TIM WOOD	47	BILL EARLEY	61	BOB CHRISTIANS	82
STEVE JUSTICE	39	DAVID PAINTER	59	WILLIAM PHILLIPS	69	WALTER PFEIFFER	84
TOM NORTH CUTT	31	CHRIS PETRY	32	RICKY EVANS	56	200 M. MEDLEY R	MEN 76+
TEMECULA ELSINO	1:52.70	200 M. FREE REL	MEN 200+	MIKE FRSHLEY	56	S CAL AQUATIC	1:54.30 97
RICHARD BARROW	34	SO CAL AQUATIC	1:47.41 94	INLAND MASTERS	2:16.91	OSIRIS BRISENO	
STEVEN RIMMER	35	FRED HUBBELL		BOB BEST	65	EALING JAHN	
JEFF KIRKLAND	32	FRANK PIEMME		GEORGE BRUGGEMAN	62	SEAN LEMM	
TOM PODMAJERSKY	34	FRANS NELSON		HEBERT NAKAMA	67	KENTARO TAKAHASHI	
INLAND MASTERS	1:55.72	PETER O'KEEFFE		CHARLES POTTS	62	SO CAL AQUATICS	1:54.30
FRANK MC KINLEY	35	GOLD COAST	1:52.95	WALNUT CREEK	2:22.16	OSIRIS BRISENO	21
STEVE CLARK	45	CRAIG BURNS	45	HAROLD BOSCOVICH	55	EALING JAHN	21
MIKE MURPHY	37	MICHAEL KOONIN	47	BOB MAYO	63	SEAN LEMM	25
KINNEY HARDIN	35	CAV CAVANAUGH	61	MIKE MILLIMAN	63	K TAKAHASHI	21
ANDERSON MASTER	1:55.89	JOEL BURNS	51	STAN MORNER	63	UCLA BRUIN A	2:11.57
CHUCK ANDREWS	52	JERSEY MASTERS	1:53.11	SLAM	2:24.85	M BUFFEBEN	28
DAVID HORTON	35	RICHARD WALLACE	49	W CANNON	67	TIN DO	23
GARRY VAN ROMER	40	EDWARD NESSEL	52	ROBERT BLAKE	72	MICHAEL MAHONEY	28
CLARK GENTRY	32	BRAD GLENN	48	JACK HUBER	75	ANDRIUS BURGGREN	19
SO CAL AQUATICS	1:56.24	JIM DRAGON	53	KARL GUNDERSON	28	200 M. MEDLEY R	MEN 100+
MICHAEL ROMESSER	24	SO CAL AQUATICS	1:57.38	CONNECTICUT MAS	2:35.36	EL SEGUNDO	1:45.73 97
BRIAN HAYES	30	JEROME SMITH	54	BRIAN QUINN	41	DEREK ROBINSON	
SETH STARK	38	STUART VANCE	50	VLADIMIR OUCHAKOF	73	DAVE HUSTON	
MICHAEL BATEMAN	31	JEFF STRNAD	45	HARRY ALBINGER	71	MARCEL RINZLER	
200 M. FREE REL	MEN 160+	PAUL HENNE	51	RAYMOND THORNBERG	58	BERT BERGEN	
COLONIALS 1776	1:40.74 96	SAN DIEGO SWIM	2:01.47	PARIS ISLAND	3:03.42	EL SEGUNDO SWIM	1:45.73
CHARLES NORELLI		JERRY O'MARA	50	LOU ROEMPKE	64	DEREK ROBINSON	28
THOMAS MEADE		LELAND SWANSON	46	PHILIP NEUBIG	68	DAVE HUSTON	25
MICHAEL SLENKER		JIM EUBANK	82	KEITH SWINEHART	55	MARCEL RINZLER	26
GREGORY OXLEY		MIKE TOMPKINS	43	DAVID MCCRAY	57	BERT BERGEN	30
SAN DIEGO SWIM	1:42.62	TEAM GREENVILLE	2:05.28	200 M. FREE REL	MEN 280+	LA MESA MASTERS	2:01.90
WILLIE WACHOB	45	JIM OSBURN	45	OREGON	2:13.84 90	JOHN LAPP	29
ALAN VOISARD	37	TERRY PALMA	48	EARL WALTER		DALE WEBSTER	28
LEE MENCH	44	JEFF STONE	45	FORBES MACK		SHANNON POTTER	27
CHRIS DIXON	39	SAM KNOWLTON	63	GERALD HUESTIS		MICHAEL BAUER	28
O*H*I*O MASTERS	1:47.62	COLONIALS 1776	2:11.29	ANDREW HOLDEN		RUTGERS/BERKELE	2:02.57
JACK GROSELLE	42	EDWARD MORGAN	58	SAN DIEGO SWIM	2:25.44	STEPHAN KRUCKER	24
TOM HIEBER	40	STEVE KELLY	39	JORDAN WOLLE	69	RICH CALLAGHAN	35
KARL KAZMAIER	42	DAVID GLADFELTER	61	JERRY SIEFERT	80	AARON MOORE	32
LOU HORWITZ	44	JAMES KREMZIER	51	PARRY O'BRIEN	65	RICHARD SLAWINSKI	24
SO CAL AQUATICS	1:47.97	UCLA BRUIN MAST	2:11.96	DONALD BAKER	66	SO CAL AQUATICS	2:11.50
JAMES BELARDI	40	GEORGE BOWERS	49	SPACE COAST	2:47.87	CHIP MC DANIEL	28
CLAY EVANS	44	FRANCIS DANN	51	AL ROGERSON	72	TAISUKE OGURA	25
PARKS WESSON	36	BRYAN PLANK	50	JOHN SINACORE	73	MICHAEL ROMESSER	24
W MONTGOMERY	48	ROY LEE	51	ROBERT SIGERSMITH	73	JERRY SHANDREW	31
PNA	1:49.30	GRIN	2:16.49	ROBERT ROBECKI	67	PACIFIC SWIM	2:25.07
STEVE SUSSEX	42	MIKE BERNSTEIN	41	COLONIALS 1776	2:52.31	DAVID BALL	24
MIKE JONES	37	PETER YAW	60	JOHN EMANUEL	72	MIKE CHANG	30
J SCHAEFFER	40	DAVID WITCGER	56	WILLIAM MARINO	70	JOHN GALLAGHER	30
WILLIAM STERLING	41	JIM FOX	44	ERNEST MOORE	69	GAVIN MCBRIDE	25
GOLD COAST	1:49.85	RUTGERS/BERKELE	2:17.82	HENRY SHOSTCHUK	80	200 M. MEDLEY R	MEN 120+
KURT WIENANTS	35	GREG BLESSING	50	O*H*I*O MASTERS	2:54.34	JOHN DAILY	69
NICK BARRY	44	E WUNDERLICH	60	JOHN DAILY	69	PIERCE BRAY	73
MICHAEL KOONIN	47	NICKOLAS DEMAS	67	200 M. FREE REL	MEN 240+		
PETER LONCTEAUX	47	T KOELLHOFFER	48	GOLD COAST	1:56.96 97		
SAN DIEGO SWIM	1:50.90	SPM	2:18.16	CAV CAVANAUGH	61		
				DAVID MCINTYRE	60		
				WILLIAM DOLAN	68		
				JOEL BURNS	51		
				OREG	1:58.65		
				GEORGE THAYER	61		
				DICK SLAWSON	61		
				RICHARD WEICK	63		
				DAVID RADCLIFF	63		
				SAN DIEGO SWIM	2:02.92		
				BILL EARLEY	61		
				WILLIAM PHILLIPS	69		
				RICKY EVANS	56		
				MIKE FRSHLEY	56		
				INLAND MASTERS	2:16.91		
				BOB BEST	65		
				GEORGE BRUGGEMAN	62		
				HEBERT NAKAMA	67		
				CHARLES POTTS	62		
				WALNUT CREEK	2:22.16		
				HAROLD BOSCOVICH	55		
				BOB MAYO	63		
				MIKE MILLIMAN	63		
				STAN MORNER	63		
				SLAM	2:24.85		
				W CANNON	67		
				ROBERT BLAKE	72		
				JACK HUBER	75		
				KARL GUNDERSON	28		
				CONNECTICUT MAS	2:35.36		
				BRIAN QUINN	41		
				VLADIMIR OUCHAKOF	73		
				HARRY ALBINGER	71		
				RAYMOND THORNBERG	58		
				PARIS ISLAND	3:03.42		
				LOU ROEMPKE	64		
				PHILIP NEUBIG	68		
				KEITH SWINEHART	55		
				DAVID MCCRAY	57		
				200 M. FREE REL	MEN 280+		
				OREGON	2:13.84 90		
				EARL WALTER			
				FORBES MACK			
				GERALD HUESTIS			
				ANDREW HOLDEN			
				SAN DIEGO SWIM	2:25.44		
				JORDAN WOLLE	69		
				JERRY SIEFERT	80		
				PARRY O'BRIEN	65		
				DONALD BAKER	66		
				SPACE COAST	2:47.87		
				AL ROGERSON	72		
				JOHN SINACORE	73		
				ROBERT SIGERSMITH	73		
				ROBERT ROBECKI	67		
				COLONIALS 1776	2:52.31		
				JOHN EMANUEL	72		
				WILLIAM MARINO	70		
				ERNEST MOORE	69		
				HENRY SHOSTCHUK	80		
				O*H*I*O MASTERS	2:54.34		
				JOHN DAILY	69		
				PIERCE BRAY	73		

1997 SHORT-COURSE METERS - TOP-TEN RELAYS

<p>BAYLOR/L STAR 1:45.01 94 JAY YARID GREG RHODENBAUGH BOBBY PATTEN MOOK RHODENBAUGH</p> <p>RUTGERS/BERKELE 1:49.93 RICHARD TOOTHILL 27 BENN DOYLE 39 CURTIS SAWIN 26 ED TSUZUKI 38</p> <p>NEM 2:02.43 ROBERT LAWTON 46 S VANKUILENBURG 32 ROBERT BERRY 29 JOHN PETERS 33</p> <p>LAKESIDE MASTER 2:02.88 JOHN GLEASON 37 DALE MERCKER 30 JIMBO MARTIN 39 SAM BLYTHE 38</p> <p>COLONIALS 1776 2:04.16 JOE BLACK 38 ARTHUR ZAWODNY 30 KEN ROBERTSON 32 STEVE KELLY 39</p> <p>UCLA BRUIN MAST 2:06.12 GERRY RODRIGUES 35 MICHAEL COLLINS 31 MICHAEL GRUBER 35 ARI STRAUSS 22</p> <p>ANDERSON MASTER 2:09.30 CLARK GENTRY 32 DAVID HORTON 35 CHUCK ANDREWS 52 GARRY VAN ROMER 40</p> <p>SAN DIEGO SWIM 2:10.51 ROBERT RODEE 25 BEN SOULE 23 JAMES NEY 38 COLIN CHINN 39</p> <p>WIS MASTERS 2:10.57 RUDY HEIN 26 DAVID BART 37 JAY BUCKMASTER 26 DANIEL SELLE 37</p> <p>SAN MATEO MAR 2:11.51 JAMES TASCHEK 26 PAUL LIVESAY 29 JOHN WALKER 41 MARC SANCHEZ 42</p> <p>LA MESA MASTERS 2:11.88 SHANNON POTTER 27 DALE WEBSTER 28 MICHAEL BAUER 28 JOHN SULLIVAN 49</p> <p>200 M. MEDLEY R MEN 160+</p> <p>COLONIALS 1776 1:54.75 95 J.NATHAN LEECH GREGORY OXLEY CHARLES NORELLI ROBERT KROTEE</p> <p>SO CAL AQUATICS 1:55.12 MIKE FRAZER 36 BRIAN HAYES 30 CLAY EVANS 44 STUART VANCE 50</p> <p>SAN DIEGO SWIM 1:58.24 ALAN VOISARD 37 LEE MENCH 44 CHRIS DIXON 39 WILLIE WACHOB 45</p> <p>O*H*I*O MASTERS 2:02.72 LOU HORWITZ 44 KARL KAZMAIER 42 TOM HIEBER 40</p>	<p>JACK GROSELLE 42 CRAWFISH MASTER 2:08.23 STEVE HECK 48 ALAN BRAATEN 39 SCOTT RABALAIS 39 DON HAASE 35</p> <p>RUTGERS/BERKELE 2:09.08 BILL REICHLER 49 DAVID SICONOLFI 46 PETE RAHKO 31 RENDALL BANKS 54</p> <p>OREG 2:09.43 STEVE A GEORGE 38 PAT ALLENDER 39 G R JOHNSON 41 JESS HICKERSON 45</p> <p>SAN DIEGO SWIM 2:10.19 LELAND SWANSON 46 ERIC NEILSEN 31 MIKE WILTGEN 39 LARRY CARTWRIGHT 49</p> <p>RUTGERS/BERKELE 2:10.46 KENNETH NIEMI 42 PAUL ANDERSON 37 ROB COPELAND 41 T KOELLHOFFER 48</p> <p>INLAND MASTERS 2:12.64 MIKE MURPHY 37 FRANK MC KINLEY 35 JOHN KALISH 44 STEVE CLARK 45</p> <p>HEARTLAND AQUAT 2:12.70 GLENN LEEKS 31 RON SCHAFER 40 DOUGLAS SELBY 52 E BRUCE MENZIES 48</p> <p>200 M. MEDLEY R MEN 200+</p> <p>OLYMPIC CLUB 2:00.35 96 TIM BIRNIE ROBERT STRAND RICHARD BASSI JAMES KRUEGER</p> <p>JERSEY MASTERS 2:03.33 RICHARD ALEXANDER 53 EDWARD NESSEL 52 BRAD GLENN 48 JIM DRAGON 53</p> <p>SAN MATEO 2:17.00 MATT OLIVER 48 DICK PETERSON 60 RANDY BROWN 49 RANDY CORT 49</p> <p>PNA 2:21.95 KEN KOSTER 61 DON ROSENTHAL 65 PAUL MONOHON 51 JIM MCCLEERY 51</p> <p>LAKESIDE MASTER 2:22.40 WILLIAM TINGLEY 47 LARRY KEATON 54 GLENN HUBBUCH 52 THEODORE WATHEN 50</p> <p>LAKESIDE MASTER 2:26.51 THOMAS FINNEGAN 51 MARTY O'TOOLE 58 JAMES GOODWIN 50 TOM GRANT 46</p> <p>SAN DIEGO SWIM 2:26.70 KENNETH KIMBALL 67 MIKE THOMPSON 43 GUY BUCHANAN 39 THOMAS ROGERS 53</p> <p>MICHIGAN 2:32.57 DONALD KROEGER 53 THOMAS MOYER 49 FRANK THOMPSON 45</p>	<p>JOHN RIES 65 UCLA BRUIN MAST 2:33.89 EDWARD O'CONNOR 53 BRYAN PLANK 50 FRANCIS DANN 51 ROY LEE 51</p> <p>GEORGIA MASTERS 2:44.05 JOHN QUANRUD 51 JOHN ZEIGLER 51 JACK MITCHELL 70 BRUCE HOLOWELL 64</p> <p>PARIS ISLAND 2:45.36 DENNIS YOUNG 49 JOHN KENT 49 SCOTT GRABER 52 GUY LOFTIN 55</p> <p>200 M. MEDLEY R MEN 240+</p> <p>BUCKEYE 2:16.44 94 YOSHI OYAKAWA THOMAS OLANDER JOHN MEDICI JOHN FLORANCE</p> <p>SAN DIEGO SWIM 2:16.58 BILL EARLEY 60 MIKE FRESHLEY 56 G WORTHINGTON 60 DONALD BAKER 66</p> <p>OREG 2:23.10 GEORGE THAYER 61 RICHARD WEICK 63 DICK SLAWSON 61 DAVID RADCLIFF 63</p> <p>GOLD COAST 2:26.73 DAVID MCINTYRE 60 HERB KERN 65 CAV CAVANAUGH 61 ALAN RAPPERPORT 63</p> <p>SLAM 2:42.59 JACK HUBER 75 S CASEY SMITH 39 MICHAEL MCNAMEE 56 ROBERT BLAKE 72</p> <p>INLAND MASTERS 2:50.15 GEORGE BRUGGEMAN 62 HEBERT NAKAMA 67 MARK KRAKOWER 54 CHARLES POTTS 62</p> <p>VMST 3:06.38 FORREST SULLIVAN 67 NORMAN RAINER 69 DONALD SEDBERRY 66 CALVIN BARNES 73</p> <p>200 M. MEDLEY R MEN 280+</p> <p>FLA MAVERICK 2:31.20 97 PAUL HUTINGER ROBERT MACDONALD JOESPH KURTZMAN ALAN MALONEY</p> <p>FLA MAVERICKS 2:31.20 PAUL HUTINGER 73 ROBERT MACDONALD 69 JOSEPH KURTZMAN 71 ALAN MALONEY 68</p> <p>SAN DIEGO SWIM 2:44.47 JERRY SIEFERT 80 PETER RIDDLE 59 DON HUBBARD 70 MILTON SENS 71</p> <p>200 M. MEDLEY R MEN 320+</p> <p>ST PETE 4:01.38 95 KERMIT HOTVEDT FRANK TILLOTSON</p>	<p>JOHN JOHNSTON FRED WALBOLT NO RELAYS</p> <p>400 M. FREE REL MEN 76+</p> <p>DAVIS AQUATIC 3:49.63 95 ANDY SLAKOFF TODD GREENE MATT GRAHN TIM LYNCH</p> <p>SO CAL AQUATICS 3:59.41 OSIRIS BRISENO 21 K TAKAHASHI 21 TAISUKE OGURA 25 EALING JAHN 21</p> <p>UCLA BRUIN A 4:23.08 M BEAUREGARD 23 JEFF PICKETT 23 MICHAEL CATHEY 27 MARC ROBT LEWIS 19</p> <p>UCLA BRUIN B 4:26.05 MATTHEW BUFFEBEN 28 TIN DO 23 MICHAEL MAHONEY 28 ANDRIUS BURGGREN 19</p> <p>400 M. FREE REL MEN 100+</p> <p>ART 3:39.80 96 JAY GRIFFIN ROBERT HERMANET ALEX BAILEY BRUCE HAYES</p> <p>LA MESA MASTERS 4:06.34 MICHAEL BAUER 28 JOHN LAPP 29 DALE WEBSTER 28 SHANNON POTTER 27</p> <p>CRESCENT HILL M 4:11.91 BRENT RUNKLE 32 MIKE NEAL 33 BRAD SCHMIED 25 PAUL WIDMAN 24</p> <p>PACIFIC SWIM 4:33.95 GAVIN MCBRIDE 25 MIKE CHANG 30 JOHN GALLAGHER 30 DAVID BALL 24</p> <p>UCLA BRUIN MAST 6:14.90 ZACHARY WINNER 32 FABIO FLAGIELLO 31 I KANELAKOPOULOS 33 ARI STRAUSS 22</p> <p>400 M. FREE REL MEN 120+</p> <p>DAVIS AQUATIC 3:36.25 95 ANDREW MCPHERSON MICHAEL COLLINS BRAD WINSOR JOHN KEPPELER</p> <p>RUTGERS/BERKELE 4:04.71 KEN FITCH 32 STEPHAN KRUCKER 24 ED TSUZUKI 38 CHRIS MCGIFFIN 31</p> <p>NEM 4:05.85 KIPP DYE 34 RIP REEVES 37 GUS BAKER 33 SCOTT GORDON 36</p> <p>UCLA BRUIN MAST 4:06.41 CHRIS HAUTY 41 MICHAEL GRUBER 35 MICHAEL COLLINS 31 GERRY RODRIGUES 35 SAN DIEGO SWIM 4:11.07</p>
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1997 SHORT-COURSE METERS - TOP-TEN RELAYS

ERIC NEILSEN	31	KEVIN THENE	39	SAN DIEGO SWIM	5:10.11	DAVID MC DONALD	29
LELAND SWANSON	46	STEVE NEPTUNE	53	WILLIAM PHILLIPS	69	MATTHEW BUFFEBEN	28
ERIC BONNEY	28	JOHN TURCO	37	JERRY SIEFERT	80		
ROBERT RODEE	25	STEVE HORINE	43	MILTON SENS	71	400 M. MEDLEY R	MEN 120+
CRESCENT HILL M	4:19.25	SIMI VALLEY SWI	5:07.95	BILL EARLEY	60		
JOHN VOORHEES	39	ROB HITCHCOCK	49	OREG	5:20.66	RUBA	4:06.10 97
MICHAEL LEMKE	40	SCOTT LOFTIN	41	EARL WALTER	76	RICHARD TOOTHILL	
MICHAEL JOHMANN	35	BILL BAIER	51	GIL YOUNG	75	BENN DOYLE	
EDWARD BELL	44	NEIL KAUKOLA	25	ERIC GUEST	68	CURTIS SAWIN	
COLONIALS 1776	4:31.93	LONG BEACH SC	5:08.18	DAVID RADCLIFF	63	SCOTT YEOMANS	
DANIEL ALLEN	35	JOHN TEMPLIN	43	COLONIALS 1776	7:56.39	RUTGERS/BERKELE	4:06.10
STEVE KELLY	39	TOM TRAPP	53	WILLIAM MARINO	70	RICHARD TOOTHILL	27
JOE BLACK	38	BILL SCOTT	55	J REYMERSDAL	70	BENN DOYLE	39
ARTHUR ZAWOONY	30	DAVE ROBBINS	35	NORMAN GARSOE	73	CURTIS SAWIN	26
SAN DIEGO SWIM	4:31.95			HENRY SHOSTCHUK	80	SCOTT YEOMANS	33
MIKE GIVEN	33	400 M. FREE REL	MEN 200+			SAN DIEGO SWIM	4:44.22
ROBERT NUCKOLLS	34	OLYMPIC CLUB	4:00.54 96	400 M. FREE REL	MEN 320+	ERIC BONNEY	28
ROBERT BUECHTING	30	TIM BIRNIE		COAST MASTERS	6:34.05 95	ERIC NEILSEN	31
GREGORY FONG	28	ROBERT STRAND		BRION WINSHIP		JIM BOSWELL	36
SAN DIEGO SWIM	4:39.09	RICHARD BASSI		ROBERT CHRISTIANS		MIKE WILGTEN	39
JAMES NEY	38	EDWARD CAZALET		WALTER PFEIFFER		MENLO PARK	4:45.77
TIM YUSKIN	37	JERSEY MASTERS	4:21.47	WOODROW BOWERSOCK		DARIUS PACZUSKI	31
PETER CHESTER	50	RICHARD WALLACE	49	NO RELAYS		CARL MORTENSEN	53
BRAD BENSON	31	EDWARD NESSEL	52	400 M. MEDLEY R	MEN 76+	SHAUN SAMUELS	36
SOUTH BAY WAVES	4:40.57	JACK ZAKIM	52	EMPIRE STATE	4:22.50 94	ED OWEN	25
LEE BERG	37	JIM DRAGON	53	TONY MEINDL		CRESCENT HILL M	4:49.47
ROB COLLINS	30	COLONIALS 1776	4:45.71	JACK MACKENROTH		MICHAEL JOHMANN	35
ERIC JONES	44	EDWARD MORGAN	58	JAMES RUGGIERO		JOHN VOORHEES	39
JAMES COSIER	28	WARREN FISHER	41	STEPHEN LARKIN		MICHAEL LEMKE	40
NEM	4:42.39	MICHAEL SLENKER	51	TULANE UNIV CLU	4:31.62	EDWARD BELL	44
DANIEL ROGACKI	50	JAMES KREMZIER	51	DOUG FULLING	23	WALNUT CREEK	5:04.06
BRIAN KRISLER	26	CRESCENT HILL M	4:51.48	ALEX WITTIG	27	RICH AUCHUS	37
JOHN MCCOOL	29	LARRY HUNT	50	BRAD MARON	22	TODD YENCHE	27
CHARLES LLOYD	33	GEORGE DODGE	52	RICH STEWART	26	NEIL LEARY	31
400 M. FREE REL	MEN 160+	STEVE WATERFILL	47	SO CAL AQUATICS	4:42.19	GRAIG CHASE	48
BRAT	3:52.66 95	JOHN GRAHAM	51	OSIRIS BRISENO	21	MICH	5:06.52
GLENN WOODSUM		MICHIGAN	4:57.90	TAISUKE OGIURA	25	PHIL CLELLAND	38
BOB RUTH		DONALD KROEGER	54	K TAKAHASHI	21	BILL HUGHES	51
CHRIS WILLIAMS		THOMAS MOYER	49	EALING JAHN	21	JEREMY PECORA	29
DOUG SCHLAK		CHARLES MAAS	63	UCLA BRUIN MAST	5:36.05	PETE SIMON	39
SAN DIEGO SWIM	3:54.18	FRANK THOMPSON	45	TIN DO	23	CRAWFISH MASTER	5:13.10
JIM BOSWELL	36	INLAND MASTERS	5:10.54	M BEAUREGARD	23	MARK HERMAN	25
LARRY CARTWRIGHT	49	FRANK AYALA	38	JEFF PICKETT	23	ALAN BRAATTEN	39
WILLIE WACHOB	45	KINNEY HARDIN	35	MICHAEL CATHEY	27	RICK BAUER	38
ALAN VOISARD	37	HEBERT NAKAMA	67	400 M. MEDLEY R	MEN 100+	DON HAASE	35
O*H*I*O MASTERS	4:02.84	GEORGE BRUGGEMAN	62	DCAC	4:02.26 96	400 M. MEDLEY R	MEN 160+
JACK GROSELLE	42	RUTGERS/BERKELE	5:10.83	STEVE SMITH		S CAL AQUATIC	4:15.60 97
TOM HIEBER	40	MICHAEL KELTOS	45	MATT KINNEY		MIKE FRAZER	
KARL KAZMAIER	42	EDWARD PRETRE	53	NEILL WILLIAMS		BRIAN HAYES	
LOU HORWITZ	44	E WUNDERLICH	60	COREY CARLISLE		CLAY EVANS	
INLAND MASTERS	4:26.94	GREG BLESSING	50	400 M. MEDLEY R	MEN 100+	STUART VANCE	
MIKE MURPHY	37	400 M. FREE REL	MEN 240+	CRIS ZOLTAK	22	SO CAL AQUATICS	4:15.60
STEVE CLARK	45	SAN DIEGO	4:31.43 95	BOB ANDERSON	28	MIKE FRAZER	36
JOHN KALISH	44	MIKE FRESHLEY		BILL EAGAN	34	BRIAN HAYES	30
FRANK MC KINLEY	35	DONALD BAKER		JON TEAL	26	CLAY EVANS	44
SAN DIEGO SWIM	4:30.91	KENNETH KIMBALL		LA MESA MASTERS	4:29.10	STUART VANCE	50
MIKE THOMPSON	43	BILL EARLEY		JOHN LAPP	29	O*H*I*O MASTERS	4:36.99
PARRY O'BRIEN	65	SAN DIEGO SWIM	4:53.51	DALE WEBSTER	28	LOU HORWITZ	44
GUY BUCHANAN	39	KENNETH KIMBALL	67	SHANNON POTTER	27	KARL KAZMAIER	42
JERRY O'MARA	50	DONALD BAKER	66	MICHAEL BAUER	28	TOM HIEBER	40
JJAI-SANTA BARB	4:32.36	MIKE FRESHLEY	56	CRESCENT HILL M	4:42.43	JACK GROSELLE	42
TOM HINSHAW	43	JOHN GOODE	63	BRAD SCHMIED	25	MICHIGAN	4:46.07
LARRY RAFFAELLI	54	SLAM	5:32.19	MIKE NEAL	33	F THOMPSON	45
DAVID SCHRADER	41	JACK HUBER	75	BRENT RUNKLE	32	RICK MORRIS	29
GLENN WHARTON	43	ROBERT BLAKE	72	PAUL WIDMAN	24	DAVID SHEPHERD	42
RUTGERS/BERKELE	4:36.03	W CANNON	67	SAN DIEGO SWIM	4:45.28	R GLASSBURN	49
BILL REICHLER	49	S CASEY SMITH	39	JOHN FARKAS	25	MICH	5:00.92
T KOELLHOFFER	48	400 M. FREE REL	MEN 280+	TIM BROUILLETTE	32	RICK CHANEY	46
MICHAEL PREBENDA	36	SAN DIEGO	5:10.11 97	BEN SOULE	23	LEONARD BROCKHAHN	46
KEVIN LAVERY	38	WILLIAM PHILLIPS		RAY VALLI	39	LAWRENCE KIMBALL	46
SOUTH WEST MAST	4:48.20	JERRY SIEFERT		UCLA BRUIN MAST	5:08.36	CHUCK OLSON	46
CRAIG BOONE	46	MILTON SENS		ERIC JOHNSON	24	CRESCENT HILL M	5:30.04
DAVID STYBEL	42	BILL EARLEY		MICHAEL MAHONEY	28	MARK STAMBAUGH	42
ROBERT PERRY	37					JAMES HUGUENARD	43
GREG NELSON	37					THOMAS MESTER	46
COLANA BEACH SW	4:53.48					BOB MEANS	45

1997 SHORT-COURSE METERS - TOP-TEN RELAYS

GRIN	5:30.22	FORBES MACK		TOM LYNCH	32	SAN DIEGO	12:47.62	95
RANDY CRUTCHFIELD	39	SAN DIEGO SWIM	6:39.09	800 M. FREE REL	MEN 160+	DONALD HUBBARD		
DICK SIDNER	48	JERRY SIEFERT	80			JERRY SIEFERT		
CLAY MERRITT	34	PETER RIDDLE	59	BRAT	8:45.81	JIM JONES		
DOUG CHURCH	53	DON HUBBARD	70			WILLIAM PHILLIPS		
UCLA BRUIN MAST	5:35.40	MILTON SENS	71	GLENN WOODSOM		MICHIGAN	15:57.64	
ROY LEE	51	MICHIGAN	8:25.03	BOB RUTH		DON KORTEN	70	
J FRANK STEWART	45	JAE BIRCH	69	CHRIS WILLIAMS		DONALD MAY	76	
SCOTT BEGIN	40	DON KORTEN	70	DOUG SCHLAK		BOB DOUD	73	
MARK STEELE	30	RICHARD EVANS	73	RUTGERS/BERKELE	10:33.00	JAE BIRCH	69	
NEM	5:37.61	DONALD MAY	76	BILL REICHLER	49			
DANIEL ROGACKI	50	400 M. MEDLEY R	MEN 320+	KENNETH NIEMI	42	800 M. FREE REL	MEN 320+	
FRED MYERS	46			JOE HUTTO	46			
ANDREW RICHELSON	50	COAST	7:39.16	DAVID SICONOLFI	46	COAST	15:10.98	97
J BARRY MAHONEY	53	LOUIS GIBERSON		O*H*I*O MASTERS	11:01.29	LOUIS GIBERSON		
MENLO PARK	5:52.32	WOODROW BOWERSOCK		BRUCE ALLEN	50	WOODY BOWERSOCK		
JOHN SULZBACH	62	BOB CHRISTIANS		DUANE GRASSELL	40	BOB CHRISTIANS		
BRUCE LINN	43	WALTER PFEIFFER		BILL WARREN	32	WALTER PFEIFFER		
J CHARBONNEAU	29	COAST MASTERS	7:39.16	GORDON DEMEESTER	55	COAST MASTERS	15:10.98	
RICK PETERSON	49	LOUIS GIBERSON	77	LONG BEACH SC	11:31.33	LOUIS GIBERSON	77	
IEM	5:52.39	WOODROW BOWERSOCK	84	TOM TRAPP	53	WOODROW BOWERSOCK	84	
ERIC BROWN	42	BOB CHRISTIANS	82	CHUCK ALFORD	24	BOB CHRISTIANS	82	
BURKE BLEVINS	39	WALTER PFEIFFER	84	DAVE FRANK	53	WALTER PFEIFFER	84	
LARRY KRAUSER	44			JOHN TEMPLIN	43			
JAY UNDERWOOD	36	800 M. FREE REL	MEN 76+	GRIN	12:06.98			
400 M. MEDLEY R	MEN 200+	EMPIRE STATE	8:56.41	RANDY CRUTCHFIELD	39	MIXED RELAYS		
JERSEY	4:38.38	TONY MEINDL		DICK SIDNER	48			
RICH ALEXANDER		ALEXANDER HALL		CHRIS BEST	39	200 M. FREE REL	MIXED 76+	
ED NESSEL		JOHN SPEER		PAUL HOWELL	53			
ART DEFFAA		ROBERT VALENTIN		LAKESIDE MASTER	12:19.25	OLYMPIC CLUB	1:43.33	95
JIM DRAGON		NO RELAYS		FRANK DIEBOLD	49	SHARON SCOTT		
OREG	4:41.81	800 M. FREE REL	MEN 100+	RANDALL DUFOUR	51	ALICIA WALKER		
ROBERT SMITH	54	DAVIS AQUATIC	7:57.87	JOHN MANDROLA	34	JAMIE PATRICK		
ALLEN STARK	48	MICHAEL COLLINS		MICHAEL ROBERTS	37	MARTIN HERMANN		
TOM COFFEY	46	MATT GRAHN		800 M. FREE REL	MEN 200+	SCAQ A	1:47.27	
DAVID RADCLIFF	63	BRAD WINSOR		CONNECTICUT	9:48.41	EALING JAHN	21	
CRESCENT HILL M	5:43.24	JOHN KEPPELER		RONALD MOLNAR		OSIRIS BRISENO	21	
GEORGE DODGE	52	SAN DIEGO SWIM	9:29.48	DANIEL DAVIS		TOMO KAWASAKI	26	
LARRY HUNT	50	ROBERT RODEE	25	MICHAEL LAUX		HARMON JOHNSON	19	
JOHN GRAHAM	51	BEN SOULE	23	JACK GEOGHEGAN		UCLA BRUIN A	1:52.25	
STEVE WATERFILL	47	ERIC BONNEY	28	LAKESIDE MASTER	10:25.69	ANDRIUS BURGGREN	19	
MICH	6:08.25	MIKE WILTGEN	39	THEODORE WATHEN	50	COURTNEY THOMAS	25	
CHARLES MAAS	62	800 M. FREE REL	MEN 120+	GLENN HUBBUCH	52	MELINDA STORRS	26	
BILL KLOOTE	43	DCAC	8:01.80	LARRY KEATON	54	MARC ROBT LEWIS	19	
TIM CLORE	36	NEILL WILLIAMS		WILLIAM TINGLEY	47	SCAQ B	1:56.03	
BOB DOUD	73	DAVID MICHAELS		MICHIGAN	10:49.81	CHIP MC DANIEL	28	
400 M. MEDLEY R	MEN 240+	STEVE SMITH		THOMAS MOYER	49	K TAKAHASHI	21	
SAN MATEO	5:25.95	ERIC KIELIN		DONALD KROEGER	53	NICOLE ZITTA	24	
RAY TAFT		CRESCENT HILL M	9:12.47	FRANK THOMPSON	45	DEBBIE EVANS	20	
STANLY PANKO		JOHN VOORHEES	39	JOHN RIES	65	CRESCENT HILL M	1:58.46	
BILL STEUART		JAMES HUGUENARD	43	LAKESIDE MASTER	11:38.18	RHONA SWAIN	23	
DICK PETERSON		MICHAEL JOHANN	35	MARTY O'TOOLE	58	JEFF FELTZER	26	
SAN DIEGO SWIM	6:02.74	JEFF HOGG	32	JAMES GOODWIN	50	JULIE HOWARD	23	
BILL EARLEY	61	COLONIALS 1776	9:23.12	TOM GRANT	46	PAUL WIDMAN	24	
DONALD BAKER	66	JOE BLACK	38	THOMAS FINNEGAN	51	UCLA BRUIN B	2:02.93	
LELAND SWANSON	46	KEN ROBERTSON	32	NEM	13:36.91	OREN BASS	20	
JORDAN WOLLE	69	DANIEL ALLEN	35	DANIEL ROGACKI	50	WINNY DONG	25	
WALNUT CREEK	6:08.12	BILL MYERS	44	ANDREW RICHELSON	50	CAMMY CHEN	22	
BOB MAYO	63	LAKESIDE MASTER	9:32.47	J BARRY MAHONEY	53	ERIC JOHNSON	24	
STAN MORNER	63	SAM BLYTHE	38	JAMES CHRISTOPHER	70	LA MESA MASTERS	2:04.07	
STAN PEDDER	62	CHARLES MIESNER	42	800 M. FREE REL	MEN 240+	SHANNON POTTER	27	
KEN BURR	52	JOHN GLEASON	37	SAN DIEGO	10:20.54	S DIMARTINO	21	
SLAM	6:31.98	JIMBO MARTIN	39	MIKE FRESHLEY		CATHY RUFF	29	
JACK HUBER	75	RUTGERS/BERKELE	9:36.40	BILL EARLEY		JOSHUA KONOLD	22	
S CASEY SMITH	39	RICHARD TOOTHILL	27	KENNETH KIMBALL		RUTGERS/BERKELE	2:12.04	
MICHAEL MCNAMEE	56	CHRIS MCGIFFIN	31	WILLIAM PHILLIPS		JORGE PAZMINO	27	
ROBERT BLAKE	72	ROB COPELAND	41	SAN DIEGO SWIM	10:20.54	C NEUBERGER	21	
400 M. MEDLEY R	MEN 280+	KEVIN LAVERY	38	MIKE FRESHLEY	56	LESLIE DORMAN	26	
OREGON	6:25.20	MICHIGAN	10:09.60	BILL EARLEY	60	TOMASZ WILK	24	
EARL WALTER		ELMER SPERRY	42	KENNETH KIMBALL	66	200 M. FREE REL	MIXED 100+	
BOB MORRISON		ERIC NORDLUND	33	WILLIAM PHILLIPS	69			
ANDREW HOLDEN		THOMAS SCHARDT	29	800 M. FREE REL	MEN 280+	EL SEGUNDO	1:41.62	97
						BERT BERGEN		
						D GRANER GALLAS		
						MARCEL RINZLER		
						HEIDI HANNENIAN		
						EL SEGUNDO SWIM	1:41.62	

1997 SHORT-COURSE METERS - TOP-TEN RELAYS

BERT BERGEN	30	JIM AIRD	31	WARREN FISHER	41	BILL EARLEY	60
D GRANER GALLAS	33	JILL HERNANDEZ	37	PATRICIA TIMMINS	43	JACKIE MARR	54
MARCEL RINZLER	26	BETSY AIRD	31	C SCHROEDER	48	NORTH CAROLINA	2:31.12
HEIDI HANNENIAN	26	RAY PECK	37	STEVE KELLY	39	DICK WEBBER	68
SAN DIEGO SWIM	1:48.62	NORTH CAROLINA	1:58.39	SIMI VALLEY SWI	2:12.85	SANDRA KREMER	61
ALISON TERRY	23	HEATHER HAGEMAN	26	HELGA WINKLER	37	SALLY NEWELL	60
D MORTENSEN	25	MARY SANBURY	44	BILL BAIER	51	MILTON GEE	60
ERIC BONNEY	28	ANDREW KURTZMAN	42	LEILANI TEDESKI	33	PARIS ISLAND	2:31.87
ROBERT RODEE	25	EDWARD SAUREZ	40	ROB HITCHCOCK	49	MELBA COOPER	50
SO CAL AQUATICS	1:49.37	MANATEE AQUATIC	1:59.48	200 M. FREE REL MIXED 200+		TATY BALASIS	64
DAN WEGNER	26	JOEL GARFINKLE	27	LOU ROEMPKKE	64	PHILIP NEUBIG	68
SEAN LEMM	25	RUTH SHAPS	50	SO CAL AQUATICS	2:41.54	LINDA TEPE	50
RAMSEY MC DANIEL	30	PAUL PRICE	38	BOB MERRICK	77	HELEN GEOFFRION	58
SHIRLEY KIM	25	JANICE PRICE	39	GEORGE BRINTON	73	OJAI-SANTA BARB	2:42.05
WALNUT CREEK	1:54.67	SO CAL AQUATICS	1:59.77	LYNNE LUND	57	MALCHIA OLSHAN	66
LISA WARD	33	ONDREJ BURES	31	MARILYN FINK	43	BOYD FORD	72
SUZANNE BAKER	22	JERRY SHANDREW	31	PETER CHESTER	50	JOHN BLECK	64
ANDY HAWKSWORTH	26	LYNN CANNING	36	MIKE FRESHLEY	56	GAY COLLINS	67
NEIL LEARY	31	DIANNA TATE	36	SO CAL AQUATICS	2:05.67	NEM	2:56.97
VENICE MASTERS	1:55.44	MENLO PARK	1:59.78	STUART VANCE	50	ELINOR WRIGHT	73
CHAPPIE DE HAVEN	28	SHAUN SAMUELS	36	BOB CONGELLIERE	68	ROBERT WRIGHT	77
DAVID KASTIGAR	33	ANNA MALSCH	30	SHANNON SULLIVAN	43	JAMES CHRISTOPHER	70
C SMITS-VAN OWEN	26	SHERI BLATT	30	LYN LEMAIRE	46	KAREN LATHAM	30
MAGGIE PANTONIN	29	ED OWEN	25	SAN DIEGO SWIM	2:14.41	COAST MASTERS	2:59.07
RUTGERS/BERKELE	1:56.80	ANDERSON MASTER	2:01.67	PEGGY LEONG	53	MAURINE KORNFELD	76
AARON MOORE	32	TRACEY NETTLES	37	DIANE HIRAKAWA	48	MARGO BOUER	62
LISA BRADLEY	32	TOMI RICHARDS	35	JERRY O'MARA	50	EMILE ACHEE	70
DEIRDRE OMARA	27	DAVID HORTON	35	LARRY CARTWRIGHT	49	ALBERT SCHELL	66
STEPHAN KRUCKER	24	CLARK GENTRY	32	SAN MATEO	2:15.94	RUTGERS/BERKELE	2:59.74
UCLA BRUIN A	1:58.95	200 M. FREE REL MIXED 160+		DICK PETERSON	60	JOY TSUZUKI	67
BYRON DAVIS	27	SAN DIEGO	1:47.38 96	ROGER CAMPBELL	67	BARBARA OSOFSKY	60
KIRA NORDBY	25	BETH KNIGHT		DALE FINCH	47	NICKOLAS DEMAS	67
AMY ATCHISON	30	K.PIPES-NEILSEN		NIA TARADASH	28	E WUNDERLICH	60
MATT ARMSTRONG	29	LARRY CARTWRIGHT		GOST	2:17.15	200 M. FREE REL MIXED 280+	
RUTGERS/BERKELE	2:00.62	LEE MENCH		MARCIA HAVER	42	OJAI S BARBARA	2:35.36 95
DON DIPALMA	32	WALNUT CREEK	1:55.76	CHRIS GILLIGAN	54	FRANK PIEMME	
SIMONE RUBINSKY	21	Laurie VIDAL	35	DICK CHISHOLM	62	GRACE ALTUS	
WENDY PATRICK	25	KAHY WOERHLE	34	DALE THOMPSON	47	RUTH BAAR	
PETE RAHKO	31	CARY KENT	45	RUTGERS/BERKELE	2:18.43	JURGEN SCHMIDT	
LA MESA MASTERS	2:05.27	KEN BURR	52	EDWARD PRETRE	53	SAN DIEGO SWIM	2:45.03
SHANNON DIMARTINO	21	SO CAL AQUATICS	1:58.01	BETH MALONEY	47	JERRY SIEFERT	80
DALE WEBSTER	28	PARKS WESSON	36	PEGGY DEROSA	47	CAROL SING	56
CATHY RUFF	29	JOHN QUINN	47	RENDALL BANKS	54	DIANA SILVA	75
SHANNON POTTER	27	BARBARA HELD	44	HEARTLAND AQUAT	2:25.76	JORDAN WOLLE	69
CRESCENT HILL M	2:06.58	BONNIE ADAIR	45	E BRUCE MENZIES	48	SAN DIEGO SWIM	2:48.04
DONNA JOHNSON	30	INLAND MASTERS	2:06.29	RON SCHAFER	40	ANN DALLAM	67
MICHAEL NEAL	33	VIRGINIA MORETTO	28	MARILYN RAMEY	57	DONALD BAKER	66
C KLINGENFUS	26	JOHN KALISH	44	JUDY TILARO	62	MARIAN WOLLE	69
BRAD SCHMIED	25	STEPHANIE AVANT	48	SPM	2:26.39	JIM EUBANK	82
200 M. FREE REL MIXED 120+		STEVE CLARK	44	PETER R BETZER	55	WALNUT CREEK	3:19.95
ST.PETE	1:45.78 96	UCLA BRUIN A	2:06.43	JACQUELYN PIPER	60	CORALIE BIDWELL	71
LISA SUMMERS		CHRIS HAUTY	41	BRUCE E DAY	47	PAT PREVETZ	76
WILLIAM SPECHT		CHRISTIE CIRAULO	44	KIM STOTT	38	FRANK NIEMAN	65
MCKEITHEN-BUSSEY		VICKI SERIANNI	46	CRAWFISH MASTER	2:27.06	BILL JOHNSTON	79
STUART BARTON		SCOTT BEGIN	40	CLARKE MITCHELL	65	COLONIALS 1776	3:24.91
SAN DIEGO SWIM	1:46.27	PARIS ISLAND	2:06.48	DIANA TUCKER	50	HENRY SHOSTCHUK	80
K PIPES-NEILSEN	35	VIOLETTA ACOSTA	33	ELLEN YOUNG	38	RUTH AARON	68
DIANE GLEASON	32	MARY HAYES	28	JOEL JACOBS	61	JANET MOELLER	62
CHRIS DIXON	39	TIM WOOD	47	O*H*I*O MASTERS	2:28.90	NORMAN GARSOE	73
ALAN VOISARD	37	DAVID PAINTER	59	PRUDY HALL	59	PNA	3:40.39
RUTGERS/BERKELE	1:49.53	ROLLING HILS	2:06.58	STEVE HAMILTON	62	JEANNE ENSIGN	50
BRIDGET COLL	27	MICHAEL BOOTH	49	BRUCE ALLEN	50	JANET KAVADAS	65
MICHELE CARY	34	BETH FLYNN	35	KATHY HUTCHINSON	37	EVERETT CASSELL	83
ED TSUZUKI	38	COKIE LEPINSKI	38	200 M. FREE REL MIXED 240+		GENE CROSSETT	83
RICHARD SLAWINSKI	24	GEORGE VIGUIE	53	SAN DIEGO	2:09.08 97	GREATER N.O. MA	3:45.15
EL SEGUNDO SWIM	1:50.72	SAN DIEGO SWIM	2:07.95	DONALD BAKER		MARGARET BROU	75
MARY BERGEN	27	SUSAN WESTON	46	BETSY JORDAN		CLAIRE ROACH	70
SHEILA COFFMAN	33	BARBARA WAKEFIELD	43	BILL EARLEY		MAURICE STERN	81
BRIAN KELCA	37	GUY BUCHANAN	39	JACKIE MARR		ROBERT RODRIGUE	63
FRANK WATTLES	27	MIKE THOMPSON	43	SAN DIEGO SWIM	2:09.08	NORTH CAROLINA	4:23.22
NEM	1:52.57	PNA	2:09.44	DONALD BAKER	66	SUE MAYNARD	52
JACKI HIRSTY	45	LESLIE HELM	41	BETSY JORDAN	60	BOYD CAMPBELL	87
PETER WORLAND	39	TONYA BERG	37				
MELISSA BRAISTED	25	CURT TROUPE	39				
BRIAN CASEY	34	CLARK PACE	44				
CHICO MASTERS	1:52.93	COLONIALS 1776	2:11.45				

1997 SHORT-COURSE METERS - TOP-TEN RELAYS

JUDY KELLY	73	DAVE HUSTON	25	MARC BECK	28	MIKE THOMPKINS	43
HAROLD HOFFMAN	89	DEREK ROBINSON	28	ANDY LOVAN	31	GUY BUCHANAN	39
200 M. FREE REL MIXED 320+		HEIDI HANNENIAN	26	CAROL MCCAIG	35	NANCY KEMPER	39
SAN MATEO	3:33.37 97	EL SEGUNDO SWIM	2:00.32	LONG BEACH SC	2:16.23	PNA	2:33.06
AUDREY ETIENNE		MARCEL RINZLER	26	ERIC WAGNER	34	DAWN JAEGER	41
RAY TAFT		STEVEN BERGEN	22	CAROLYN BENTLEY	28	MARK JAEGER	44
ZADA TAFT		MARY BERGEN	27	JOHN TEMPLIN	43	PETE GILLIS	42
JOE KAUFMAN		SHEILA COFFMAN	33	C DRISKILL	30	MIMI WYNHAM	35
SAN MATEO	3:33.37	SAN DIEGO SWIM	2:04.34	WEST HOLLYWOOD	2:16.53	200 M. MEDLEY R MIXED 200+	
AUDREY ETIENNE	81	ALISON TERRY	23	ANDREA DEVUONO	30	S CAL AQUATIC	2:12.20 96
RAY TAFT	78	CHRIS DIXON	39	JESSICA SEATON	44	BONNIE ADAIR	
ZADA TAFT	78	NANCY NORTH	29	ROBERT FUENTES	33	KAREN MELICK	
JOE KAUFMAN	92	ROBERT RODEE	25	TIMOTHY RYAN	40	GARY LANGENDOEN	
SPM	3:36.87	RUTGERS/BERKELE	2:06.30	GRIN	2:19.04	BOB CONGELLIERE	
JUNE B REYNOLDS	75	RICHARD TOOTHILL	27	NICOLE TATE	34	GOLD COAST	2:24.07
FRED B WALBOLT	84	ELLEN SOMMERLAD	26	M CHILDRESS	31	JOHN SPIRE	45
KAY M SCHIMPF	80	TRISTAN FORMON	25	KEITH GAST	28	DEBBIE CAVANAUGH	39
JOHN D JOHNSTON	81	LOUISE APPLETON	24	JASON TIMMONS	30	JOEL BURNS	51
OJAI-SANTA BARB	5:38.60	UTAH	2:10.25	CRAWFISH MASTER	2:19.06	JUNE KRAUSER	71
GILDA DI PIERRE	87	KIMBERLY SMITH	33	SCOTT RABALAIS	39	OREG	2:29.66
JENNIE TAYLOR	80	JARON RUSSON	23	STEVE HECK	48	ROBERT BRUCE	49
R CLARK WEBSTER	82	KYLE TREADWAY	37	THERESA KLEIN	26	PAMELA HIMSTREET	54
ROBERT WILD	90	AMY SHARP	24	ANN HILL	28	BARBARA HARRIS	37
200 M. MEDLEY R MIXED 76+		RUTGERS/BERKELE	2:13.11	LAKESIDE MASTER	2:19.47	GEORGE THAYER	61
DAVIS AQUATIC	2:03.64 95	MARY RYAN	26	SUZANNE HAWKINS	30	SAN DIEGO SWIM	2:30.55
ANDY SLAKOFF		ARTHUR BAUDO	21	LUCY SHEARN	29	LYNNE LUND	57
WENDY CERRUTI		AARON MOORE	32	BUCKY STOESS	37	JERRY O'MARA	50
BRAD WINSOR		DEIRDRE OMARA	27	CHARLES MIESNER	42	PETER CHESTER	50
TATE BIRNIE		SAN DIEGO SWIM	2:13.13	200 M. MEDLEY R MIXED 160+		MARILYN FINK	43
SCAQ A	2:02.63NV	D MORTENSEN	25	S CAL AQUATIC	2:01.04 97	LONG BEACH SC	2:32.35
OSIRIS BRISENO	21	ERIC NEILSEN	31	CLAY EVANS		MIMI FRANK	50
EALING JAHN	21	BEN SOULE	23	PAUL HENNE		DAVE FRANK	53
DEBBIE EVANS	20	DIANE GLEASON	32	SHIRLEY KIM		DEBBIE BRADBURY	46
TOMO KAWASAKI	26	LAKE LYTAL	2:21.23	BONNIE ADAIR		MICHAEL MC LEOD	58
UCLA BRUIN A	2:05.12	GILLIAN SPILLER	25	SO CAL AQUATICS	2:01.04	SO CAL AQUATICS	2:32.95
ANDRIUS BURGGREN	19	STEVE BERNSTAN	25	CLAY EVANS	44	BRUCE MORGAN	41
COURTNEY THOMAS	25	BRIAN VERTESCH	24	PAUL HENNE	51	LYN LEMAIRE	46
MELINDA STORRS	26	ROBYN JACKSON	29	SHIRLEY KIM	25	LINDA TEPE	50
MARC ROBT LEWIS	19	UCLA BRUIN A	2:22.25	BONNIE ADAIR	45	BOB CONGELLIERE	68
SCAQ B	2:09.62	BYRON DAVIS	27	TEMECULA ELSINO	2:08.18	IEM	2:39.09
NICOLE ZITTA	24	KIRA NORDBY	25	TAMMY RAE HULSE	35	KATIE BLANK	49
K TAKAHASHI	21	AMY ATCHISON	30	UNKNOWN	35	DAVE DABOLL	61
HARMONY JOHNSON	19	MATT ARMSTRONG	29	LISA FRICK	35	MARGARET HAIR	42
DAN WEGNER	26	VENICE MASTERS	2:23.99	JIM ANDERSON	55	HOB BLANK	52
LONG BEACH SC	2:18.55	MAGGIE PANTONIN	29	SO CAL AQUATICS	2:08.43	HEARTLAND AQUAT	2:43.35
LAURIEJO HALL	21	DAN BORTON	29	MIKE FRAZER	36	MARILYN RAMEY	57
DOVEN HOLLEY	19	C SMITS-VAN OWEN	26	DIANNA TATE	36	RON SCHAFFER	40
CARLO FUENTES	36	STEVE LATTA	30	BARBARA HELD	44	DAVID SAPPER	43
SAKURA OKANIWA	19	200 M. MEDLEY R MIXED 120+		STUART VANCE	50	NANCY REED	70
UCLA BRUIN B	2:21.01	LAKESIDE	1:58.28 89	TEAM GRENVILLE	2:14.59	SPM	2:50.16
OREN BASS	20	WILLIAM TINGLEY		JIM OSBURN	45	PETER BETZER	55
WINNY DONG	25	GINA GATTI		BETH SCHEIMANN	35	JACQUELYN PIPER	60
CAMMY CHEN	22	MICHAEL HIGGS		TERRY PALMA	48	BRUCE DAY	47
ERIC JOHNSON	24	MELINDA SCHMITT		ARLENE HOUSE	35	PATRICIA NADOZZI	38
RUTGERS/BERKELE	2:23.43	SPM	2:08.75	VMST	2:17.75	GEORGIA MASTERS	2:52.64
MARIA VERGONI	20	WILL LANE	26	BETSY DURRANT	55	LISA WATSON	43
TOMASZ WILK	24	TANYA LANE	25	TONY SMITH	37	LIESA BENN	32
STEPHAN KRUCKER	24	STUART A BARTON	29	STANISLAV FILATOV	48	JACK MITCHELL	70
ANDI GRUMET	23	PAM GEIGER	44	GRETCHEN SMITH	37	BRUCE HOLOWELL	64
LA MESA MASTERS	2:26.47	SO CAL AQUATICS	2:10.83	GRIN	2:19.31	OJAI-SANTA BARB	2:52.71
SHANNON POTTER	27	CHIP MC DANIEL	28	NANCY HORMANN	38	LOIS GOODMAN	50
JOSHUA KONOLD	22	ONDREJ BURES	31	MARY ANN STEVENS	44	HARRY DELATRE	51
S DIMARTINO	21	RAMSEY MC DANIEL	30	MIKE CARTER	46	RICK GOEDEN	50
CATHY RUFF	29	LYNN CANNING	36	JIM FOX	44	KATHERINE WATSON	49
200 M. MEDLEY R MIXED 100+		COLONIALS 1776	2:11.72	UCLA BRUIN A	2:22.34	200 M. MEDLEY R MIXED 240+	
EL SEGUNDO	1:52.80 97	ARTHUR ZAWODNY	30	VICKI SERIANNI	46	N.CAROLINA	2:26.10 96
D GRANER GALLAS		DANIEL ALLEN	35	SCOTT BEGIN	40	JEANNIE MITCHELL	
DAVE HUSTON		LAURIE HUG	32	CHRISTIE CIRAULO	44	SALLY NEWELL	
DEREK ROBINSON		ALYSON CHICK	34	CHRIS HAUTY	41	JOHN KORTHEUER	
HEIDI HANNENIAN		RUTGERS/BERKELE	2:13.41	TULSA MASTERS	2:28.30	DICK WEBBER	
EL SEGUNDO SWIM	1:52.80	ANGELA SCHNEPEL	25	DENNY SAUNDERS	64	SAN DIEGO SWIM	2:30.88
D GRANER GALLAS	33	EDWARD OCONNOR	28	DENNIS WILSON	48	BETSY JORDAN	60
		ED TSUZUKI	38	LESLIE HENSHAW	37	BILL EARLEY	60
		LISA BRADLEY	32	JEANNIE HARRIS	43	JACKIE MARR	54
		PRO	2:16.06	SAN DIEGO SWIM	2:30.59		
		KERRY CARNAHAN	31	LAURA MELDRUM	44		

1997 SHORT-COURSE METERS - TOP-TEN RELAYS

DONALD BAKER 66	JUNE B REYNOLDS 75	SOLANA BEACH SW 4:43.23	BONNIE ADAIR
OJAI-SANTA BARB 3:14.00	KAY M SCHIMPF 80	TRISH KIMPER 51	FRANK PIEMME
MALCHIA OLSHAN 66	JOHN D JOHNSTON 82	JOHN TURCO 37	DIANA TODD
BOYD FORD 72	FRED B WALBOLT 84	TRACY ANN OWEN 25	SAN DIEGO SWIM 5:12.40
JOHN BLECK 64	INDIAN RIVER 5:25.31	KEVIN THENE 39	JERRY O'MARA 50
GAY COLLINS 67	PETER JURCZYK 92	COLONIALS 1776 4:43.95	PEGGY LEONG 53
SO CAL AQUATICS 3:32.31	MARJORIE NEWMAN 73	HEATHER PARRY 28	LYNNE LUND 57
GEORGE BRINTON 73	ANNE WILDER 83	BILL MYERS 44	PETER CHESTER 50
HELEN GEOFFRION 58	OTTO WULFF 85	SUZANNE GEDNEY 29	LAKESIDE MASTER 5:24.17
LEE ARTH 72		EDWARD MORGAN 58	WILLIAM TINGLEY 47
MARIE WALLACE 68	400 M. FREE REL MIXED 76+	HEARTLAND AQUAT 4:49.16	LARRY KEATON 54
COLONIALS 1776 3:58.53	SANTA CLARA 4:08.78 94	RON SCHAFFER 40	CAROL FERGUSON 66
NORMAN GARSOE 73	JOANNE MILLARD	DOUGLAS SELBY 52	DEBBIE UTZ 44
L REYMERSDAL 68	MIKE MOORE	SHAWNA MILNER 29	MICHIGAN MAST 5:28.49
WILLIAM MARINO 70	ANNE WATKINS	REBECCA JACKMAN 34	THOMAS MOYER 49
JANET MOELLER 62	B. LICHTENWALTER	RUTGERS/BERKELE 5:15.24	DONALD KROEGER 53
	LONG BEACH SC 4:39.75	MICHAEL KELTOS 45	FREDERICKA RAPP 53
200 M. MEDLEY R MIXED 280+	Lauriejo Hall 21	LESLIE DORMAN 26	BEVERLY MYERS 61
	SAKURA OKANIWA 19	TARA VALENTINE 27	HEARTLAND MASTE 5:32.46
OJAI S BARBARA 2:55.31 95	CHUCK ALFORD 24	JOE HUTTO 46	PATRICK SPEARS 28
GAY COLLINS	ERIC WAGNER 34	CRAWFISH MASTER 5:22.60	JAMES PATZOLD 48
FRANK PIEMME		DON HAASE 35	NANCY REED 70
JURGEN SCHMIDT	400 M. FREE REL MIXED 100+	HELEN CANE 42	MARILYN RAMEY 56
RUTH BAAR	SAN DIEGO 3:55.65 97	DONNA ROGERS 34	COLONIALS 1776 6:02.59
SAN MATEO 3:19.14	ROBERT RODEE	TIM RATCHFORD 40	PATRICIA TULLMAN 60
AUDREY ETIENNE 81	NANCY NORTH	400 M. FREE REL MIXED 160+	MARY ANN MCCLAIN 56
DALE FINCH 47	ALISON TERRY	SAN DIEGO 3:57.64 96	JAMES KREMZIER 51
RAY TAFT 78	ALAN VOISARD	K. PIPES-NEILSEN	JOHN EMANUEL 72
FRED TAIOLI 76	SAN DIEGO SWIM 3:55.65	BETH KNIGHT	HEARTLAND S A M 6:04.36
SAN DIEGO SWIM 3:19.40	ROBERT RODEE 25	LARRY CARTWRIGHT	DOUGLAS SELBY 52
ANN DALLAM 67	NANCY NORTH 29	LEE MENCH	ANDY PITZKIN 39
DONALD BAKER 66	ALISON TERRY 23	COLONIALS 1776 4:50.73	JUDY TILARO 62
MARIAN WOLLE 69	ALAN VOISARD 37	DANIEL ALLEN 35	ELFRIEDE LEHTO 64
JIM EUBANK 82	RUTGERS/BERKELE 4:04.62	WARREN FISHER 41	O*H*I*O MASTERS 6:12.14
SAN DIEGO SWIM 3:21.56	BRIDGET COLL 27	C SCHROEDER 48	MAUREEN KOSS 53
JERRY SIEFERT 80	CHRIS MCGIFFIN 31	PATRICIA TIMMINS 43	JULIO APONTE 52
CAROL SING 56	LOUISE APPLETON 24	SAN DIEGO SWIM 4:57.59	PIETER CATH 66
DIANA SILVA 75	SCOTT YEOMANS 33	TIM BROUILLETTE 32	DIANE ROTHENBERG 44
JORDAN WOLLE 69	MARYLAND MASTER 4:07.04	NANCY KEMPER 39	400 M. FREE REL MIXED 240+
SLAM 3:23.09	SUZIE FISCH 28	DIANE HIRAKAWA 48	SAN DIEGO 5:03.72 97
EDITH HENDRY 86	RACHEL BERKOWITZ 26	DAN MCCULLAR 44	BILL EARLEY
DOROTHY BURKE 57	STEVEN MUCHOW 27	WILDCAT MASTERS 5:00.03	BETSY JORDAN
W CANNON 67	JEROME FRENTSOS 31	CHAD RIEGLE 22	JACKIE MARR
ROBERT BLAKE 72	NEM 4:14.77	MEG SMATH 41	DONALD BAKER
SPACE COAST 3:23.74	CHARLIE WEISMAN 22	SUSAN BRADLEY-COX 60	SAN DIEGO SWIM 5:03.72
BUNNY CEDERLUND 75	K TETREAULT 36	DAVID BOYD 42	BILL EARLEY 61
ROBERT ROBECKI 67	J NIEVERGELT 37	LINDA SCHYMIK 40	BETSY JORDAN 60
ANGIE SINACORE 67	GEORGE MIX 24	JONATHAN WOOD 52	JACKIE MARR 54
ROBERT SIGERSMITH 73	CRAWFISH MASTER 5:29.26	KATHLEEN SLIFER 52	DONALD BAKER 66
SPM 3:31.49	MARK HERMAN 25	S VANKUILENBURG 32	RUTGERS/BERKELE 6:52.08
BARBARA A ALLEN 64	AMY THURMAN 24	RUTGERS/BERKELE 5:18.23	JOY TSUZUKI 67
ABRASHA BRAININ 74	CLAIRE THAMES 41	SHELLEY PREBENDA 35	NICKOLAS DEMAS 67
FLORENCE E CARR 72	EDDIE SCHURMANN 27	KAREN SHEARLY 36	BARBARA OSOFSKY 60
ROBERT D ATWOOD 77	400 M. FREE REL MIXED 120+	EDWARD PRETRE 53	E WUNDERLICH 60
FLORIDA MAVERI 3:55.45	SAN DIEGO 3:54.42 96	BILL KEHOE 52	COLONIALS 1776 7:22.38
DORIS PROKOPI 61	ALAN VOISARD	NEM 5:20.96	JANET MOELLER 62
FRANK TILLOTSON 82	STEPHEN SEGRETO	PAM O'NEILL 47	RUTH AARON 68
GLADYS OLSEN 71	K PIPES-NEILSEN	BILL THARION 40	NORMAN GARSOE 73
ALAN MALONEY 68	VICKY DAVIDSON	GARY UNGERLEIDER 45	J REYMERSDAL 70
FMM 3:55.45	SAN DIEGO SWIM 3:59.41	LINDA CARSTENS 45	400 M. FREE REL MIXED 280+
DORIS PROKOPI 61	ERIC NEILSEN 31	SOUTH WEST MAST 5:39.13	OJAI S BARBARA 5:49.30 95
FRANK TILLOTSON 82	DIANE GLEASON 32	CRISTI BELLOLI 37	FRANK PIEMME
GLADYS OLSEN 71	K PIPES-NEILSEN 35	BARTON PHILLIPS 53	RUTH BAAR
ALAN MALONEY 68	LEE MENCH 44	GLENN THOBE 53	GRACE ALTUS
NORTH CAROLINA 4:54.83	SLO ROADRUNNERS 4:40.67	SIMONE MYARA 26	JURGEN SCHMIDT
BOYD CAMPBELL 87	JODIE ZIEBELL 25	SAN DIEGO SWIM 5:39.38	JURGEN SCHMIDT
JUDY KELLY 73	DALE MC VAY 46	BARBARA WAKEFIELD 43	SAN DIEGO SWIM 6:30.85
SALLY NEWELL 60	RAND SMITH 41	RAY VALLI 39	JORDAN WOLLE 69
HAROLD HOFFMAN 89	STEWART HENDRIX 20	LAURA MELDRUM 44	DIANA SILVA 75
	WHITE PLAINS MA 4:42.82	DONALD BAKER 66	MARIAN WOLLE 69
200 M. MEDLEY R MIXED 320+	GENEVE EHINGER 29	400 M. FREE REL MIXED 200+	KENNETH KIMBALL 67
LONG BEACH 3:56.40 94	DANNY LEVY 32	SO CAL AQUATIC 4:27.29 94	
MAXINE MERLINO	NANCY SURDOVAL 44	CLAY EVANS	400 M. FREE REL MIXED 320+
MADELEINE MILLER	WILLIAM HOMAN 50		ST PETE 8:18.35 97
WALTER PFEIFFER			
WOODROW BOWERSOCK			
SPM 4:30.47			

1997 SHORT-COURSE METERS - TOP-TEN RELAYS

<p>JOHN JOHNSTON KAY SCHIMPF FRED WALBOLT JUNE REYNOLDS</p> <p>SPM 8:18.35</p> <p>JUNE B REYNOLDS 75 FRED B WALBOLT 84 KAY M SCHIMPF 80 JOHN D JOHNSTON 81</p> <p>400 M. MEDLEY R MIXED 76+</p> <p>DAVIS AQUATIC 4:33.44 95 JOHN KEPPeler TIM LYNCH CHRISTINE SCHULTZ TATE BIRNIE</p> <p>LONG BEACH SC 4:39.75 LAURIEJO HALL 21 SAKURA OKANIWA 19 CHUCK ALFORD 24 ERIC WAGNER 34</p> <p>400 M. MEDLEY R MIXED 100+</p> <p>SAN DIEGO 4:29.74 93 ALAN VOISARD LUKE SALERNO KARLYN PIPES DIANE GLEASON</p> <p>WALNUT CREEK 4:48.61 CLAIRE FOSTER 28 KAREN DUGGAN 27 NEIL LEARY 31 BRENDEN WEN 28</p> <p>MENLO PARK 5:06.85 SHAUN SAMUELS 36 LISA SHEEPER 33 ANNA MALSCH 23 ED OWEN 25</p> <p>LONG BEACH SWIM 5:49.91 SAKURA OKANIWA 19 TOM TRAPP 53 LAURIEJO HALL 21 CHUCK ALFORD 24</p> <p>400 M. MEDLEY R MIXED 120+</p> <p>EMPIRE STATE 4:25.58 94 TONY MEINDL MATT CLARK CATHY REDSON MICHELE HUYETTE</p> <p>SAN DIEGO SWIM 4:29.30 ALISON TERRY 23 K PIPES-NEILSEN 35 JIM BOSWELL 36 LEE MENCH 44</p> <p>CHICO MASTERS 4:40.02 BETSY AIRD 30 JIM AIRD 31 JILL HERNANDEZ 37 RAY PECK 37</p> <p>NEM 5:28.97 JOHN NIXON 42 LAURA SIMMONS 46 GEOFFREY LOCKE 29 SHEILA FINN 28</p> <p>MICH 5:33.99 LESLIE BLACKBURN 26 PAUL WRIGHT 42 CHRIS MCBEE 39 MEG COSTELLO 35</p> <p>MICH 5:35.77 DAWN HEWITT 32 ERIC NORDLUND 33 TOM SCHARDT 29 DIANE BRADLEY 40</p>	<p>CRESCENT HILL M 5:49.54 JOHN GRAHAM 51 MICHAEL LEMKE 40 JULIE HOWARD 23 DONNA JOHNSON 30</p> <p>CRAWFISH MASTER 5:57.14 ROB WILKERSON 26 MEG HAVILAND 39 ANN HILL 28 FRANK KLEIN 28</p> <p>TULANE UNIV CLU 6:28.33 JARROD BECK 20 DEAN OSTERLOH 26 ELLEN HALL 46 VICKI BUCCINO 51</p> <p>400 M. MEDLEY R MIXED 160+</p> <p>OLYMPIC CLUB 4:32.89 95 FRED FERROGGIARO ROBERT STRAND LYNN JOLLY DANIELLE OGIER</p> <p>WALNUT CREEK 5:46.78 CAROL MCHALE 33 STAN MORNER 63 R BRITTINGHAM 46 KEN BURR 52</p> <p>MICHIGAN MAST 6:00.17 THOMAS MOYER 49 DONALD KROEGER 53 BEVERLY MYERS 61 VICTORIA WEBBER 22</p> <p>WHITE PLAINS MA 6:07.69 WILLIAM HOMAN 50 DANNY LEVY 32 GENEVE EHINGER 29 LIDA GASCHKE 65</p> <p>SOLANA BEACH SW 6:11.01 JOANIE MORGAN 47 STEVE HORINE 43 TRACY ANN OWEN 25 STEVE NEPTUNE 53</p> <p>LA MESA MASTERS 6:13.16 DALE WEBSTER 28 ROSEMARY HUTZLEY 43 SHANNON POTTER 27 ANN MARTIN 68</p> <p>MENLO PARK 6:19.09 KATHERINE BASS 45 SAM SINNOT 43 GINNY LANGMUIR 45 RICK PETERSON 50</p> <p>HEARTLAND AQUAT 7:04.27 BETTY COURTNEY 44 ELFRIEDE LEHTO 64 RON SCHAFFER 40 E BRUCE MENZIES 48</p> <p>400 M. MEDLEY R MIXED 200+</p> <p>SAN DIEGO 5:13.60 91 BETSY JORDAN PETER RIDDLE BARBARA DUNBAR BILL EARLY</p> <p>SPM 5:58.14 PETER R BETZER 55 JACQUELYN PIPER 60 BRUCE E DAY 47 KIM STOTT 38</p> <p>HEARTLAND S A M 6:21.82 NANCY REED 70 MARILYN RAMEY 57 DOUGLAS SELBY 52 ANDY PITZKIN 39</p> <p>SAN DIEGO SWIM 6:22.40 PEGGY LEONG 53</p>	<p>PARRY O'BRIEN 65 JERRY O'MARA 50 CAROL SING 56</p> <p>MICH 6:37.53 SUE STRALEY 60 FREDERICKA RAPP 52 DONALD KROEGER 53 THOMAS MOYER 49</p> <p>O'H*I*O MASTERS 7:49.47 JULIO APONTE 52 DARLYNNE FERGUSON 68 DIANE ROTHENBERG 44 PIETER CATH 66</p> <p>400 M. MEDLEY R MIXED 240+</p> <p>SAN DIEGO 5:50.66 97 BETSY JORDAN PETER RIDDLE JACKIE MARR KENNETH KIMBALL</p> <p>SAN DIEGO SWIM 5:50.66 BETSY JORDAN 60 PETER RIDDLE 59 JACKIE MARR 54 KENNETH KIMBALL 67</p> <p>NEM 8:04.06 ELINOR WRIGHT 73 KAREN LATHAM 30 ROBERT WRIGHT 77 JAMES CHRISTOPHER 70</p> <p>SLAM 8:04.67 EDITH HENDRY 86 ARTHUR BARRETT 24 W CANNON 67 DORIS PETERS 74</p> <p>400 M. MEDLEY R MIXED 280+</p> <p>ST PETE 6:54.87 95 PAUL HUTINGER ROBERT MACDONALD FLORENCE CARR KAY SCHIMPF</p> <p>SAN DIEGO SWIM 7:08.99 DIANA SILVA 75 ALICIA COLEMAN 72 DON HUBBARD 70 WILLIAM PHILLIPS 69</p> <p>SAN MATEO 7:40.11 AUDREY ETIENNE 81 DALE FINCH 47 RAY TAFT 78 FRED TAIOLI 76</p> <p>WALNUT CREEK 8:20.68 PAT PREVETZ 76 ELFRIEDE ROGERS 69 BILL JOHNSTON 79 BOB MAYO 63</p> <p>WALNUT CREEK 8:32.27 JAE HOWELL 74 FRANK NIEMAN 65 JEAN DURSTON 80 BOB STRINGHAM 77</p> <p>COAST MASTERS 9:35.61 MADELEINE MILLER 87 JACK BURGAN 75 MARGO BOUER 62 EMILE ACHEE 70</p> <p>400 M. MEDLEY R MIXED 320+</p> <p>SAN MATEO 9:07.66 94 JOE KAUFMAN HELEN ROUMASSET RAY TAFT AUDREY ETIENNE</p> <p>NO RELAYS</p>	<p>800 M. FREE REL MIXED 76+</p> <p>DAVIS AQUATIC 9:03.90 95 TATE BIRNIE CHRISTINE SCHULTZ TODD GREENE TIM LYNCH</p> <p>NO RELAYS</p> <p>800 M. FREE REL MIXED 100+</p> <p>RUBA 8:41.15 97 SCOTT YEOMANS BRIDGET COLL LOUISE APPLETON RICHARD TOOTHILL</p> <p>RUTGERS/BERKELE 8:41.15 SCOTT YEOMANS 33 BRIDGET COLL 27 LOUISE APPLETON 24 RICHARD TOOTHILL 27</p> <p>LA MESA MASTERS 10:34.18 SHANNON POTTER 27 CATHY RUFF 29 SHANNON DIMARTINO 21 DALE WEBSTER 28</p> <p>800 M. FREE REL MIXED 120+</p> <p>CRESENT HILL 8:52.75 97 BRAD SCHMIED GINA GATTI DONNA JOHNSON MIKE NEAL</p> <p>CRESCENT HILL M 8:52.75 BRAD SCHMIED 25 DONNA JOHNSON 30 GINA GATTI 34 MIKE NEAL 33</p> <p>SAN DIEGO SWIM 9:15.26 NANCY NORTH 29 COLIN CHINN 39 ERIC NEILSEN 31 DIANE GLEASON 32</p> <p>LAKESIDE MASTER 9:38.64 DALE MERCKER 30 SUZANNE HAWKINS 30 LUCY SHEARN 29 BUCKY STOESS 37</p> <p>HEARTLAND S A M 10:01.58 DOUGLAS SELBY 52 ANDY PITZKIN 39 REBECCA JACKMAN 34 SHAWNA MILNER 29</p> <p>WHITE PLAINS MA 11:23.12 ALAN ROMANER 35 GENEVE EHINGER 29 CAROLYN REUTER 25 DANNY LEVY 32</p> <p>LA MESA MASTERS 12:21.86 SHANNON DIMARTINO 21 JOHN LAPP 29 ANN MARTIN 68 SHANNON POTTER 27</p> <p>800 M. FREE REL MIXED 160+</p> <p>SAN DIEGO 8:53.46 97 JIM BOSWELL K PIPES-NEILSEN BARBARA DUNBAR LEE MENCH</p> <p>SAN DIEGO SWIM 8:53.46 JIM BOSWELL 36 K PIPES-NEILSEN 35 BARBARA DUNBAR 48 LEE MENCH 44</p>
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1997 SHORT-COURSE METERS - TOP-TEN RELAYS

COLONIALS 1776 12:03.89
 LAURIE HUG 32
 PATRICIA TIMMINS 43
 EDWARD MORGAN 58
 DANIEL ALLEN 35
 SPM 12:48.68
 PETER R BETZER 55
 JACQUELYN PIPER 60
 BRUCE E DAY 47
 PATRICIA NARDOZZI 37
 HEARTLAND AQUAT 12:59.54
 E BRUCE MENZIES 48
 RON SCHAFFER 40
 MARILYN RAMEY 57
 BETTY COURTNEY 44
 LAKESIDE MASTER 13:26.36
 LINDA HUBBUCH 52
 DEBBIE UTZ 44
 WOODY TURRENTINE 49
 BILL WITTIG 48

SAN MATEO 17:11.69 94
 JOE KAUFMAN
 HELEN ROUMASSET
 RAY TAFT
 AUDREY ETIENNE
 NO RELAYS

800 M. FREE REL MIXED 200+

SAN DIEGO 10:20.32 96
 WILLIAM EARLEY
 MIKE FRESHLEY
 LYNNE LUND
 K PIPES-NEILSON
 SAN DIEGO SWIM 12:38.25
 RICKY EVANS 56
 JACKIE MARR 54
 PARRY O'BRIEN 65
 LYNNE LUND 57
 SAN DIEGO SWIM 13:32.06
 CAROL SING 56
 PEGGY LEONG 53
 THOMAS ROGERS 53
 GUY BUCHANAN 39

800 M. FREE REL MIXED 240+

SAN DIEGO 11:16.08 97
 BETSY JORDAN
 BILL EARLEY
 KENNETH KIMBALL
 JACKIE MARR
 SAN DIEGO SWIM 11:16.08
 BETSY JORDAN 60
 BILL EARLEY 60
 KENNETH KIMBALL 67
 JACKIE MARR 54
 SAN DIEGO SWIM 13:22.34
 LYNNE LUND 57
 JOHN GOODE 63
 DIANA SILVA 75
 PARRY O'BRIEN 65
 COLONIALS 1776 16:10.10
 HARRY HEMMERLE 58
 HENRY SHOSTCHUK 80
 JANET MOELLER 62
 MARY ANN MCCLAIN 56
 MICHIGAN 16:56.17
 JEAN BAILS 52
 MARY WILLIAMS 65
 DON KORTEN 70
 DONALD MAY 76

800 M. FREE REL MIXED 280+

ST PETE 13:32.79 95
 ALAN MALONEY
 KAY SCHIMPF
 FLORENCE CARR
 ROBERT MACDONALD
 NO RELAYS

800 M. FREE REL MIXED 320+

ERRATA FOR 1997 TOP-TEN LONG-COURSE METERS

<u>WOMEN 60-64</u>		5:31.68 ERIC PROKOPI	22	3:15.85 DICK PETERSON	60
▪ 50 M. BREASTSTROKE		5:32.04 ALAN LIU	24	3:16.19 DREN GEER	63
47.89 BEVERLY MEYERS	61	5:36.68 MATTHEW BOLES	24	3:21.02 SHERRILL MARTIN	60
47.94 ANNE MCGUIRE	62	5:36.75 CASEY BRANDT	23		
48.36 JACQUELYN PIPER	60	5:40.13 CLINTON FISHER	23		
49.35 MARGIE HEINEMAN	60			<u>MEN 80-84</u>	
49.38 BETSY JORDAN	60			▪ 100 M. BACKSTROKE	
50.35 JEAN STERLING	60	<u>MEN 30-34</u>		1:44.40 EDWARD SHEA	82
50.51 ANN JOHNSEN	61	▪ 50 M. FREESTYLE		1:46.66 AL VANDERWEGHE	80
51.05 JEAN GARBUS	63	24.97 BERT BERGEN	30	1:53.16 BOB CHRISTIANS	81
51.16 DOROTHY MCGRAW	61	25.16 C. HALFAST	31	2:04.04 OBEL JAMES	82
51.23 SANDRA KREMER	61	25.28 JOHN BLACK	34	2:04.39 ROBERT JOHNSTON	80
▪ 100 M. BREASTSTROKE		25.36 BOB YOUNG	32	2:04.60 DAVID MALBROUGH	84
1:45.39 BEVERLY MEYERS	61	25.37 STEPHEN STAHL	32	2:07.08 JIM TRIOLO	83
1:46.72 DIANE STOWELL	63	25.59 TODD BARRY	34	2:11.01 ALBERT FISHER	81
1:48.48 JACQUELYN PIPER	60	25.60 DOUGLAS WOODRING	31	2:11.43 FRANK TILLOTSON	82
1:49.10 LAVELLE STOINOFF	64	25.64 CALL HADDON	31	2:14.58 CHARLES O'CONNOR	84
1:49.77 ANNE MCGUIRE	62	25.78 JEFFREY HOGG	32		
1:52.65 BETSY JORDAN	60	25.79 ROBERT BEN GEISE	33	<u>WOMEN'S RELAYS</u>	
1:53.64 ANN JOHNSEN	61	▪ 50 M. BACKSTROKE		200 M. FREE REL WOMEN 280+	
1:54.19 MARGIE HEINEMAN	60	27.26 SEAN MURPHY	94	OJAI-SANTA BARB	3:11.01
1:54.30 DOROTHY MCGRAW	61	29.53 ANDREW PULSIFER	31	RUTH FARNHAM	67
1:54.65 BARBARA CALLISON	64	29.57 AL JAEGER	34	GRACE ALTUS	73
▪ 50 M. BUTTERFLY		30.11 DAVID ROACH	32	MALCHIA OLSHAN	66
40.67 BETSY JORDAN	60	30.20 SHAWN JONES	30	RUTH BAAR	74
42.23 JEANNE LITTLE	60	30.54 CALL HADDON	31	WCM	3:23.89
43.92 BEVERLY MEYERS	61	31.64 MARK KAISER	33	JEAN DURSTON	83
45.71 BARBARA CALLISON	64	31.69 JOHN BLACK	34	SALLY JOY	80
46.02 ERNESTINE BEATTIE	61	32.02 JOSEPH LILEIKIS	34	JAE HOWELL	74
46.10 JEAN GARBUS	63	32.16 DAVID KASTIGAR	33	MARY ABBEY	50
46.69 DIANE STOWELL	63	35.39 DANIEL SANDOVAL	30	SPM	3:29.87
47.02 DORIS KLITZKE	62			FLORENCE CARR	72
47.52 PATRICIA TULLMAN	60	<u>MEN 35-39</u>		KAY SCHIMPF	80
47.73 DOROTHY MCGRAW	61	▪ 50 M. FREESTYLE		JUNE REYNOLDS	75
▪ 100 M. BUTTERFLY		24.95 KEVIN HOOK	36	SANDY STEER	58
1:43.28 BETSY JORDAN	60	24.96 DAVID BOATWRIGHT	35	COAST MASTERS	3:59.91
1:49.53 BARBARA CALLISON	64	25.12 KURT WIENANTS	35	MAXINE MERLINO	85
1:52.05 ANNE MCGUIRE	62	25.14 JAMES LILLEY	37	MAURINE KORNFELD	75
1:52.37 DOROTHY MCGRAW	61	25.17 TOM MCCABE	39	MADELEINE MILLER	86
1:53.23 DORIS KLITZKE	62	25.60 DAVID GIBSON	37	MARGO BOUER	62
1:53.56 PATRICIA TULLMAN	60	25.63 SKIP GRANTHAM	37	SMMM	4:03.49
1:56.96 JEAN GARBUS	63	25.69 BRIAN VAILE	35	AUDREY ETIENNE	80
1:57.42 B ZAREMSKI	60	25.75 J. CLAY BRITT	36	HILDA BUEL	83
1:58.21 ANN JOHNSEN	61	25.78 CHRIS DIXON	39	ZADA TAFT	78
1:58.83 JEANNE LITTLE	60	▪ 50 M. BACKSTROKE		GLORIA STUPFEL	71
▪ 200 M. INDIVIDUAL MEDLEY		29.08 WILLIAM SPECHT	39		
3:15.48 BETSY JORDAN	97	29.30 J. CLAY BRITT	36		
3:15.48 BETSY JORDAN	60	29.82 DONALD JENNINGS	36		
3:26.53 DIANE STOWELL	63	29.85 JAMES LILLEY	37		
3:33.93 BEVERLY MEYERS	61	30.38 DAVID GIBSON	37		
3:40.38 BARBARA ZAREMSKI	60	30.41 BOB BURESH	39		
3:43.87 ANNE MCGUIRE	62	30.84 BRIAN PAKKALA	35		
3:44.98 BARBARA CALLISON	64	30.86 BRIAN VAILE	35		
3:52.82 JEAN GARBUS	63	31.13 KEN NOLAN	36		
3:58.22 ANN JOHNSEN	61	31.37 PAUL FRENTSOS	36		
3:58.59 JEAN STERLING	60	▪ 50 M. BUTTERFLY			
4:05.42 DOROTHY MCGRAW	61	26.75 WILLIAM SPECHT	39		
▪ 400 M. INDIVIDUAL MEDLEY		26.83 KURT WIENANTS	35		
7:09.01 BETSY JORDAN	60	26.89 DAVID GIBSON	37		
7:31.13 NANCY BROWN	61	26.91 SKIP GRANTHAM	37		
7:47.45 BARBARA ZAREMSKI	60	27.01 THOMAS MCCABE	39		
7:59.43 ANNE MCGUIRE	62	27.23 EDMUND GENDREAU	35		
8:09.21 BARBARA CALLISON	64	27.40 BRIAN PAKKALA	35		
8:27.23 JEAN GARBUS	63	27.59 CHRIS DIXON	39		
8:32.37 JEAN STERLING	60	27.64 BOB BURESH	39		
8:59.04 DONNA MONROE	63	27.69 RANDY RANDOLPH	38		
9:17.89 SHIRLEY DACEY	60				
9:35.50 DORIS PROKOPI	61	<u>MEN 60-64</u>			
		▪ 200 M. BACKSTROKE			
<u>MEN 19-24</u>		2:53.66 DONALD BROWN	64		
▪ 400 M. INDIVIDUAL MEDLEY		2:53.68 JACK BEATTIE	62		
4:53.44 J. ARMSTRONG	22	3:01.77 JACK HALLIDAY	60		
4:58.76 TODD RADEL	24	3:07.54 LARRY GOOD	63		
5:02.78 MICHAEL MELLEY	22	3:08.17 BILL EARLEY	60		
5:19.94 CHRIS HORNE	24	3:10.13 CLARKE MITCHELL	64		
5:23.99 DEAN ZRUCKY	24	3:12.76 ALAN RAPPERPORT	63		

FINA MASTERS WORLD RECORDS LONG-COURSE METERS AS OF 11/1/97

WRL LCM RECORDS AS OF 11-01-97

***** 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
2:26.32	08-25-96	USA	ABRAHAM SOLANO	200	M.	BRST	SHARRON DAVIES	GBR	- -90	2:42.02
25.16	-83-84	USA	DEFORREST/BOTTOM	50	M.	FLY	ROSEMARIE SEAMAN	USA	08-24-87	28.79
56.34	04-28-84	USA	MICHAEL BOTTOM	100	M.	FLY	ROSEMARIE SEAMAN	USA	- -87	1:03.91
2:05.25	- -84	TCH	M. LUKASEK	200	M.	FLY	S PALMER-WHITE	AUS	- -92	2:18.69
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	PASCALE VERBAUWEN	BEL	06-25-96	1:04.80
2:03.85	08-04-95	USA	BOBBY PATTEN	200	M.	FLY	K PIPES-NEILSEN	USA	08-11-96	2:20.12
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
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
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 11/1/97

***** 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	DEB WALKER	USA	08-18-97 3:01.69
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	ARDETH MUELLER	USA	08-18-91 5:16.62
9:48.17	09-04-97	NED	D UIJTENBOGAART	800	M. FREE	ARDETH MUELLER	USA	08-18-91 10:58.47
18:49.43	06-06-93	GBR	SANDY GALLETTY	1500	M. FREE	ARDETH MUELLER	USA	07-28-91 21:02.46
30.63	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 BERGEGREN	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	09-06-97 39.54
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	09-03-97 3:15.19
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 11/1/97

***** M E N *****			65-69 *****			***** W O M E N *****		
28.78	06-27-96	ESP	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
35.47	08-20-89	USA	GEORGE GANDSEY	50 M.	BACK	CLARA WALKER	USA	08-23-92 39.85
1:20.62	04-07-96	AUS	BOB BARRY	100 M.	BACK	DORIS STEADMAN	USA	08-20-90 1:31.58
2:53.42	06-25-96	AUS	BOB BARRY	200 M.	BACK	DORIS STEADMAN	USA	08-20-90 3:17.12
37.32	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
3:14.03	05-19-96	CAN	NICK TEMPLEMAN	200 M.	BRST	MARGARET EVANS	GBR	05-24-89 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 1:12.57
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	TSUNEKO MITA	JPN	09-25-94 49.47
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 *****		
32.50	08-28-83	USA	LYLE COLLET	50 M.	FREE	J DRAKE-BROCKMAN	AUS	04-06-96 38.22
1:13.84	05-28-95	USA	RAY TAFT	100 M.	FREE	J DRAKE-BROCKMAN	AUS	06-23-96 1:30.42
2:51.62	05-28-95	USA	RAY TAFT	200 M.	FREE	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
39.49	07-09-94	USA	RAY TAFT	50 M.	BACK	WILLY VAN RYSEL	GBR	- 91 46.64
1:29.52	08-27-95	USA	RAY TAFT	100 M.	BACK	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 11/1/97

***** M E N *****			***** 85-89 *****			***** W O M E N *****		
40.37	08-02-97	GER	R REINSTADTLER	50	M. FREE	UME WADA	JPN	06-09-96 49.84
1:36.11	06-28-97	GER	R REINSTADTLER	100	M. FREE	UME WADA	JPN	07-21-97 2:00.66
3:48.91	10-01-88	USA	GUS LANGNER	200	M. FREE	UME WADA	JPN	12-01-96 4:26.52
8:14.50	08-28-88	USA	GUS LANGNER	400	M. FREE	UME WADA	JPN	06-08-97 9:31.21
17:11.21	10-15-88	USA	GUS LANGNER	800	M. FREE	MAXINE MERLINO	USA	08-10-97 20:11.43
33:08.42	08-20-89	USA	GUS LANGNER	1500	M. FREE	MAXINE MERLINO	USA	08-10-97 38:20.39
48.11	06-29-97	GER	R REINSTADTLER	50	M. BACK	AILEEN SOULE	USA	08-18-91 58.42
1:53.67	09-03-97	GER	R REINSTADTLER	100	M. BACK	AILEEN SOULE	USA	06-09-91 2:13.13
4:12.45	04-26-97	GER	R REINSTADTLER	200	M. BACK	AILEEN SOULE	USA	06-09-91 4:47.82
51.52	08-27-95	GER	KARL WITTENBERG	50	M. BRST	MARTI GOGNIAT	USA	07-27-96 1:09.85
2:10.64	07-21-97	JPN	MITSUO SHIMO	100	M. BRST	MARTI GOGNIAT	USA	08-11-96 2:39.02
4:36.86	07-28-96	USA	HAROLD PERRY	200	M. BRST	UME WADA	JPN	12-01-96 5:38.79
57.93	08-27-95	USA	JESSE COON	50	M. FLY	MAXINE MERLINO	USA	07-26-97 1:13.84
2:30.73	06-25-96	USA	JESSE COON	100	M. FLY	MAXINE MERLINO	USA	08-10-97 2:59.55
5:24.28	05-07-93	AUS	FRANK GRIFFITHS	200	M. FLY	KATHERINE PELTON	USA	08-12-90 7:18.41
				100	M. I.M.			
4:40.15	05-07-93	AUS	FRANK GRIFFITHS	200	M. I.M.	MAXINE MERLINO	USA	08-10-97 5:27.56
10:28.43	03-25-94	AUS	FRANK GRIFFITHS	400	M. I.M.	MAXINE MERLINO	USA	07-26-97 11:21.06
***** M E N *****			***** 90-94 *****			***** W O M E N *****		
48.70	08-08-93	USA	GUS LANGNER	50	M. FREE	AILEEN SOULE	USA	08-25-96 55.76
1:57.91	08-22-93	USA	GUS LANGNER	100	M. FREE	AILEEN SOULE	USA	08-25-96 2:19.62
4:28.34	08-22-93	USA	GUS LANGNER	200	M. FREE	AILEEN SOULE	USA	08-25-96 5:21.55
9:40.04	03-27-97	AUS	ALFREDO CHERCHI	400	M. FREE	AILEEN SOULE	USA	08-16-97 11:45.66
20:13.74	08-01-93	USA	GUS LANGNER	800	M. FREE	ANNA BAUSCHER	USA	08-28-94 30:55.09
36:47.02	08-22-93	USA	GUS LANGNER	1500	M. FREE			
1:06.09	02-01-97	AUS	ALFREDO CHERCHI	50	M. BACK	AILEEN SOULE	USA	08-25-96 1:03.49
2:30.67	06-07-97	GER	FRITZ MONKE	100	M. BACK	AILEEN SOULE	USA	08-25-96 2:23.23
5:36.88	06-11-95	USA	PETER JURCZYK	200	M. BACK	AILEEN SOULE	USA	06-29-97 5:29.07
1:16.01	08-27-95	USA	ANDREW KALLUNKI	50	M. BRST	DEL ROWLEY	AUS	04-17-95 2:13.81
3:08.18	06-24-96	FRA	GEORGES SEJOURNE	100	M. BRST	DEL ROWLEY	AUS	03-03-96 5:06.09
6:24.54	08-01-93	USA	GUS LANGNER	200	M. BRST	DEL ROWLEY	AUS	10-22-95 10:39.50
				50	M. FLY	ANNA BAUSCHER	USA	08-28-94 4:57.25
				100	M. FLY			
				200	M. FLY			
				100	M. I.M.			
6:59.87	06-11-95	USA	PETER JURCZYK	200	M. I.M.	ANNA BAUSCHER	USA	08-28-94 12:10.93
				400	M. I.M.			
***** M E N *****			***** 95-99 *****			***** W O M E N *****		
1:41.72	07-08-95	USA	JOHN WHITTEMORE	50	M. FREE			
				100	M. FREE			
				200	M. FREE			
				400	M. FREE			
				800	M. FREE			
				1500	M. FREE			
				50	M. BACK			
				100	M. BACK			
				200	M. BACK			
				50	M. BRST			
				100	M. BRST			
				200	M. BRST			
				50	M. FLY			
				100	M. FLY			
				200	M. FLY			
				100	M. I.M.			
				200	M. I.M.			
				400	M. I.M.			
***** M E N *****			***** 100-104 *****			***** W O M E N *****		
2:05.49	09-18-94	USA	TOM LANE	50	M. FREE	MARY MAINA	AUS	10-03-94 5:10.84
4:25.98	09-10-95	USA	TOM LANE	100	M. FREE			
				200	M. FREE			
				400	M. FREE			
				800	M. FREE			
				1500	M. FREE			
2:05.54	09-10-95	USA	TOM LANE	50	M. BACK			
4:57.01	09-18-94	USA	TOM LANE	100	M. BACK			
				200	M. BACK			
				50	M. BRST			
				100	M. BRST			
				200	M. BRST			
				50	M. FLY			
				100	M. FLY			
				200	M. FLY			
				100	M. I.M.			
				200	M. I.M.			
				400	M. I.M.			

FINA MASTERS WORLD RECORDS LONG-COURSE METERS AS OF 11/7/97

WRL LCM RECORDS AS OF 11-01-97

***** 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 COAST-USA	08-11-96	4:12.88	320-359 OAHUKIOICHO-JPN	07-21-97	4:38.16
MAURINE KORNFELD	MAXINE MERLINO		SACHIKO UTA	TAYO FURUYA	
MADELEINE MILLER	MARTI GOGNIAT		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 JAAKKOLA		BRAD COOPER	NEIL GYNTHER	
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	BARRY 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 CARACCILO	
KELLEY LEMMON	DAVID MCAFEE		MARIA LENK	GASTAO FIGUEIREDO	

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS AS OF 11/1/97

WRL SCM RECORDS AS OF 11-01-97

***** M E N *****			WRL SCM RECORDS AS OF 11-01-97			***** W O M E N *****			
***** 25-29 *****			***** 30-34 *****			***** 35-39 *****			
22.48	12-04-93	USA	ROBERT PEEL	50	M. FREE	DYNE BURRELL	USA	03-31-96	26.64
49.91	12-10-95	USA	BJORN ZIKARSKY	100	M. FREE	SHEILA TAORMINA	USA	03-31-96	56.30
1:48.81	12-10-95	USA	JOHN KEPPELER	200	M. FREE	SHEILA TAORMINA	USA	03-31-96	1:59.78
3:59.78	10-17-93	GBR	GAVIN LILLEY	400	M. FREE	SHEILA TAORMINA	USA	03-31-96	4:24.18
8:29.19	- -92	SWE	T LENNARTSSON	800	M. FREE	SHEILA TAORMINA	USA	03-31-96	8:51.18
16:23.21	04-11-92	USA	ROB MACKLE	1500	M. FREE	SHEILA TAORMINA	USA	03-31-96	16:36.07
25.43	10-16-94	GBR	MARTIN HARRIS	50	M. BACK	DIANE GRANER	USA	10-15-89	30.63
54.82	11-12-94	GBR	MARTIN HARRIS	100	M. BACK	DIANE GRANER	USA	10-15-89	1:04.66
2:01.78	10-16-94	GBR	MARTIN HARRIS	200	M. BACK	J.DE ROVER	NED	- -92	2:17.86
28.81	- -90	AUS	GUY FARROW	50	M. BRST	RIA WILLEMSE	NED	- -90	33.60
1:04.40	03-15-97	SWE	PATRIC ROBERTSSON	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 *****	***** 35-39 *****	***** W O M E N *****	***** 40-44 *****	***** W O M E N *****	***** 40-44 *****	***** 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	10-28-95	2:40.51
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 *****	***** 40-44 *****	***** W O M E N *****	***** 40-44 *****	***** W O M E N *****	***** 40-44 *****	***** W O M E N *****	
23.80	12-11-94	USA	BRUCE STAHL	50	M. FREE	S. NEILSON-BELL	USA	11-19-95	26.13
52.64	10-02-94	AUS	MARK MORGAN	100	M. FREE	S. NEILSON-BELL	USA	12-03-94	57.71
1:57.08	10-02-94	AUS	MARK MORGAN	200	M. FREE	S. NEILSON-BELL	USA	06-25-95	2:07.58
4:13.00	03-22-97	SUI	JAMES FURRER	400	M. FREE	LYNN MARSHALL	CAN	06-30-97	4:31.98
8:44.90	03-31-96	SUI	JAMES FURRER	800	M. FREE	LYNN MARSHALL	CAN	10-05-96	9:21.94
17:06.28	04-10-94	NOR	ARNE BORGSTROM	1500	M. FREE	BETH KNIGHT	USA	12-11-94	17:43.10
26.84	03-23-96	USA	CLAY BRITT	50	M. BACK	LAURA VAL	USA	10-06-91	32.50
58.25	03-23-96	USA	CLAY BRITT	100	M. BACK	KARIN SEICK	GER	10-27-96	1:05.93
2:10.01	10-10-93	USA	WILLIAM SPECHT	200	M. BACK	LYNN MARSHALL	CAN	06-30-97	2:29.93
28.87	03-15-97	GER	GERALD MORKEN	50	M. BRST	LESLIE OSBORNE	USA	10-15-89	34.63
1:04.02	03-15-97	GER	GERALD MORKEN	100	M. BRST	LESLIE OSBORNE	USA	10-15-89	1:16.70
2:22.64	04-27-96	CAN	SERGE SCORE	200	M. BRST	LESLIE OSBORNE	USA	10-15-89	2:50.93
25.89	10-10-93	USA	WILLIAM SPECHT	50	M. FLY	LAURA VAL	USA	10-06-91	30.05
57.02	10-10-93	USA	WILLIAM SPECHT	100	M. FLY	MARIA VELIKONJA	USA	03-27-93	1:07.28
2:06.48	10-09-94	USA	WILLIAM SPECHT	200	M. FLY	LAURA VAL	USA	10-20-91	2:28.96
1:00.79	03-21-92	USA	RICHARD HESS	100	M. I.M.	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.	LYNN MARSHALL	CAN	06-30-97	5:16.74
***** M E N *****	***** 40-44 *****	***** W O M E N *****	***** 40-44 *****	***** W O M E N *****	***** 40-44 *****	***** W O M E N *****	***** 40-44 *****	***** W O M E N *****	
24.42	04-09-95	USA	CHARLES NORELLI	50	M. FREE	LAURA VAL	USA	10-15-95	27.74
53.25	12-11-95	USA	RICK ABBOTT	100	M. FREE	LAURA VAL	USA	11-14-93	1:00.68
1:57.83	06-25-95	USA	HESS YNTEMA	200	M. FREE	LAURA VAL	USA	12-10-95	2:14.14
4:09.31	06-25-95	USA	HESS YNTEMA	400	M. FREE	LAURA VAL	USA	12-10-95	4:42.94
8:49.83	06-25-95	USA	HESS YNTEMA	800	M. FREE	DANIELLE OGIER	USA	10-13-96	10:03.82
16:51.71	06-25-95	USA	HESS YNTEMA	1500	M. FREE	BARBARA DUNBAR	USA	02-04-90	19:00.81
28.77	03-18-95	GER	LACI PERENYI	50	M. BACK	LAURA VAL	USA	11-14-93	31.55
1:03.16	12-10-95	USA	CLAY EVANS	100	M. BACK	LAURA VAL	USA	10-15-95	1:10.45
2:16.72	05-22-95	CAN	JOHN MARCH	200	M. BACK	LAURA VAL	USA	12-10-95	2:34.04
29.86	09-28-97	SWE	GLEN CHRISTIANSEN	50	M. BRST	NAOMI HEIMBACH	JPN	05-19-96	36.22
1:06.72	09-27-97	SWE	GLEN CHRISTIANSEN	100	M. BRST	ULRIKE URBANIAK	GER	11-18-95	1:19.88
2:30.67	10-13-96	USA	SPENCER ELDRED	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
58.87	06-25-95	USA	HESS YNTEMA	100	M. FLY	LAURA VAL	USA	11-14-93	1:06.86
2:09.09	06-25-95	USA	HESS YNTEMA	200	M. FLY	LAURA VAL	USA	11-14-93	2:29.19
1:02.30	10-15-89	USA	RIC COOLEY	100	M. I.M.	LAURA VAL	USA	09-12-92	1:11.65
2:15.07	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 11/1/97

***** M E N *****			***** 45-49 *****			***** W O M E N *****		
24.70	01-07-95	NED	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	BARBARA DUNBAR	USA	11-06-94 4:56.49
8:56.08	10-13-96	USA	TIM BRODERICK	800 M.	FREE	BARBARA DUNBAR	USA	03-17-96 10:09.82
17:40.02	12-15-96	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
2:21.50	12-15-96	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	DEB WALKER	USA	10-13-96 1:23.20
2:34.41	12-10-95	USA	ROBERT STRAND	200 M.	BRST	GINGER PIERSON	USA	05-22-95 3:03.73
27.08	04-17-93	USA	DAN THOMPSON	50 M.	FLY	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	ARDETH MUELLER	USA	12-12-87 2:37.88
1:04.80	11-06-94	USA	ANDREW MCPHERSON	100 M.	I.M.	ARDETH MUELLER	USA	10-03-87 1:14.41
2:23.69	12-11-94	USA	STEVE HECK	200 M.	I.M.	ARDETH MUELLER	USA	10-03-87 2:42.88
5:12.41	05-23-93	RUS	NIKOLAEV JURII	400 M.	I.M.	BARBARA DUNBAR	USA	04-09-95 5:50.45
***** M E N *****			***** 50-54 *****			***** W O M E N *****		
25.74	10-13-96	USA	KEEFE LODWIG	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	ARDETH MUELLER	USA	12-07-91 2:27.95
4:36.29	05-24-96	BAR	ANGUS EDGHILL	400 M.	FREE	ARDETH MUELLER	USA	10-06-91 5:12.43
9:28.84	05-24-96	BAR	ANGUS EDGHILL	800 M.	FREE	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
30.14	06-26-94	USA	ROBERT SMITH	50 M.	BACK	SATOKO TAKEUJI	JPN	05-21-95 35.55
1:05.77	10-13-96	USA	TIM BIRNIE	100 M.	BACK	SATOKO TAKEUJI	JPN	05-16-93 1:19.17
2:24.39	12-15-96	USA	TIM BIRNIE	200 M.	BACK	ARDETH MUELLER	USA	12-07-91 2:48.88
32.01	12-15-96	USA	ROBERT STRAND	50 M.	BRST	ERNA LOSKAMP	NED	- -92 38.82
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
1:03.76	12-08-96	USA	JOEL BURNS	100 M.	FLY	ARDETH MUELLER	USA	10-06-91 1:12.66
2:28.11	01-19-97	USA	NICK LECLERCQ	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
2:26.64	03-23-96	USA	JOHN CLAVERT	200 M.	I.M.	BRIGITTE MERTEN	GER	11-03-96 2:51.65
5:19.87	10-16-94	GBR	SANDY GALLETTY	400 M.	I.M.	ARDETH MUELLER	USA	12-07-91 5:56.24
***** M E N *****			***** 55-59 *****			***** W O M E N *****		
26.60	10-15-89	USA	DONALD HILL	50 M.	FREE	ARDETH MUELLER	USA	11-03-96 30.37
1:00.08	10-15-89	USA	DONALD HILL	100 M.	FREE	YOSHIKO OSAKI	JPN	11-03-94 1:11.18
2:17.95	02-07-93	JPN	KAZUYA NISHINO	200 M.	FREE	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
10:04.76	03-01-97	ITA	ERMIRIO VITTORIO	800 M.	FREE	YOSHIKO OSAKI	JPN	04-29-96 11:24.24
19:39.87	02-08-97	GBR	SANDY GALLETTY	1500 M.	FREE	LAVELLE STOINOFF	USA	03-12-89 21:35.84
32.40	10-03-93	GBR	GRAHAM SYKES	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	BETSY JORDAN	USA	10-17-92 3:00.66
33.17	05-09-93	JPN	HIROSHI KOTEGAWA	50 M.	BRST	MONIKA SENFTLEBEN	GER	03-01-97 40.02
1:16.32	06-04-88	USA	MANUEL SANGUILY	100 M.	BRST	FLORA CONNOLLY	GBR	- -90 1:28.13
2:49.96	12-10-95	USA	DRURY GALLAGHER	200 M.	BRST	BONNIE PRONK	CAN	01-26-97 3:10.39
29.57	03-16-97	JPN	RYUJI TAKAMINE	50 M.	FLY	ARDETH MUELLER	USA	11-03-96 34.33
1:07.69	05-11-97	JPN	KOJI IWAMOTO	100 M.	FLY	ARDETH MUELLER	USA	11-03-96 1:21.52
2:37.27	04-20-97	JPN	KOJI IWAMOTO	200 M.	FLY	ARDETH MUELLER	USA	11-03-96 2:55.05
1:10.34	04-28-96	CAN	JACK KELSO	100 M.	I.M.	YOSHIKO OSAKI	JPN	05-28-95 1:21.25
2:34.42	05-22-95	CAN	JACK KELSO	200 M.	I.M.	YOSHIKO OSAKI	JPN	05-16-93 2:57.53
5:29.09	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	JAYNE BRUNER	USA	03-23-96 1:13.50
2:21.31	06-25-95	USA	GRAHAM JOHNSTON	200 M.	FREE	LAVELLE STOINOFF	USA	03-14-93 2:39.93
4:56.69	06-25-95	USA	GRAHAM JOHNSTON	400 M.	FREE	LAVELLE STOINOFF	USA	03-14-93 5:38.06
10:27.62	06-25-95	USA	GRAHAM JOHNSTON	800 M.	FREE	LAVELLE STOINOFF	USA	03-14-93 11:30.55
19:48.44	06-25-95	USA	GRAHAM JOHNSTON	1500 M.	FREE	LAVELLE STOINOFF	USA	11-20-94 22:54.51
34.05	10-09-94	USA	JACK BEATTIE	50 M.	BACK	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
1:15.61	08-10-97	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.	FLORA CONNOLLY	GBR	11-12-94 3:11.59
6:02.73	07-18-93	USA	GRAHAM JOHNSTON	400 M.	I.M.	JUDIE OLIVER	CAN	05-25-92 6:50.55

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS AS OF 11/1/97

***** M E N *****			***** 65-69 *****			***** W O M E N *****		
29.25	05-12-96	JPN	SHINGO YAMAMOTO	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	05-12-96 2:51.30
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
35.06	10-26-96	USA	RON JOHNSON	50	M. BACK	DORIS STEADMAN	USA	10-15-89 40.48
1:19.07	04-17-94	USA	ROGER FRANKS	100	M. BACK	DORIS STEADMAN	USA	10-15-89 1:30.41
2:50.75	06-09-96	AUS	BOB BARRY	200	M. BACK	DORIS STEADMAN	USA	10-15-89 3:15.72
36.33	01-28-96	CAN	NICK TEMPLEMAN	50	M. BRST	EDITH BOHM	GER	05-08-94 44.61
1:21.34	01-28-96	CAN	NICK TEMPLEMAN	100	M. BRST	GAIL ROPER	USA	10-28-95 1:41.41
3:06.13	03-03-96	CAN	NICK TEMPLEMAN	200	M. BRST	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 *****		
30.59	09-17-95	USA	FRANK PIEMME	50	M. FREE	CLARA WALKER	USA	06-22-96 36.32
1:09.00	12-10-95	USA	FRANK PIEMME	100	M. FREE	CLARA WALKER	USA	06-22-96 1:20.77
2:37.86	10-28-95	USA	FRANK PIEMME	200	M. FREE	CLARA WALKER	USA	06-22-96 3:02.11
5:35.49	09-17-95	USA	FRANK PIEMME	400	M. FREE	JUNE KRAUSER	USA	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	MAUD POVEY	GBR	10-17-93 49.15
1:29.48	11-06-94	USA	BARTON GREENBERG	100	M. BRST	JUNE KRAUSER	USA	09-07-96 1:49.64
3:16.44	04-23-95	GER	KARL HAUTER	200	M. BRST	MARGARET EVANS	GBR	10-16-94 3:55.30
34.77	12-10-95	USA	FRANK PIEMME	50	M. FLY	MASUMI TANI	JPN	06-09-96 44.49
1:26.98	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 *****		
32.78	04-16-88	USA	KELLEY LEMMON	50	M. FREE	OLGA JOHNSON	NZL	02-03-96 39.73
1:13.47	10-15-95	USA	RAY TAFT	100	M. FREE	OLGA JOHNSON	NZL	02-03-96 1:37.68
2:48.67	11-06-94	USA	RAY TAFT	200	M. FREE	CANDIDA GANDOLPHO	BRA	06-11-95 3:33.40
6:02.95	10-15-95	USA	RAY TAFT	400	M. FREE	RITA SIMONTON	USA	10-24-93 7:23.29
12:45.40	11-06-94	USA	RAY TAFT	800	M. FREE	RITA SIMONTON	USA	11-20-93 15:28.60
24:46.19	11-14-93	USA	ALDO DA ROSA	1500	M. FREE	RITA SIMONTON	USA	11-20-93 29:30.20
39.14	03-16-97	JPN	GORO TANIGUCHI	50	M. BACK	WILLY VAN RYSEL	GBR	- -91 48.06
1:27.41	11-06-94	USA	RAY TAFT	100	M. BACK	WILLY VAN RYSEL	GBR	- -91 1:48.13
3:10.22	11-06-94	USA	RAY TAFT	200	M. BACK	WILLY VAN RYSEL	GBR	- -91 4:00.43
42.33	12-08-93	ITA	AUGUSTO ROMANO	50	M. BRST	INGEBORG FRITZE	GER	03-17-96 53.28
1:36.61	05-15-94	ITA	AUGUSTO ROMANO	100	M. BRST	HILDEGARD MESSING	GER	03-04-95 1:59.41
3:34.29	11-14-93	ITA	ALDO DA ROSA	200	M. BRST	HILDEGARD MESSING	GER	04-23-95 4:22.96
38.70	10-15-95	USA	RAY TAFT	50	M. FLY	CATHERINE KERR	CAN	03-16-96 52.18
1:36.80	11-15-92	USA	PAUL KRUP	100	M. FLY	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	HATSUHO SUGAYA	JPN	05-22-94 1:48.30
3:01.42	05-14-95	JPN	HIKOJI UEKI	200	M. FREE	JEAN DURSTON	USA	11-06-94 4:07.41
7:03.26	08-03-97	USA	ROBERT JOHNSTON	400	M. FREE	JEAN DURSTON	USA	11-06-94 8:39.15
14:46.09	06-27-97	CAN	NORBERT ARTUS	800	M. FREE	JEAN DURSTON	USA	11-06-94 17:51.63
27:33.01	08-03-97	USA	ROBERT JOHNSTON	1500	M. FREE	JEAN DURSTON	USA	10-09-94 34:13.00
43.71	03-05-95	GER	OTTO CLAUS	50	M. BACK	WILLY VAN RYSEL	GBR	11-02-96 55.58
1:37.17	11-06-94	USA	EDWARD SHEA	100	M. BACK	WILLY VAN RYSEL	GBR	03-23-97 2:03.47
3:33.91	11-06-94	USA	EDWARD SHEA	200	M. BACK	WILLY VAN RYSEL	GBR	03-22-97 4:35.63
45.52	- -91	GER	KARL WITTENBERG	50	M. BRST	KAY SCHIMPF	USA	10-05-97 1:04.37
1:46.48	05-28-95	JPN	HIROMU YOSHIMOTO	100	M. BRST	DOROTHY WESTON	GBR	03-27-94 2:19.17
4:07.75	01-21-96	AUT	JOHANN MORSCHER	200	M. BRST	DOROTHY WESTON	GBR	10-17-93 4:54.39
46.05	06-08-97	USA	PAUL KRUP	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
1:44.08	06-12-94	USA	WALTER PFEIFFER	100	M. I.M.	MARIA LENK	BRA	03-25-95 2:06.91
3:46.96	06-08-97	USA	ANTON CERER	200	M. I.M.	MARIA LENK	BRA	03-12-95 4:40.77
8:00.81	06-08-97	USA	ANTON CERER	400	M. I.M.	MAXINE MERLINO	USA	10-11-92 9:50.43

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS AS OF 11/1/97

***** M E N ***** 85-89 ***** W O M E N *****										
38.82	03-15-97	GER	R REINSTADTLER	50	M.	FREE	UME WADA	JPN	06-09-96	49.84
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	RINA DAVOGLIO	ITA	04-06-97	1:12.50
1:52.03	03-16-97	GER	R REINSTADTLER	100	M.	BACK	M GOTTSCHALK	GER	05-04-96	2:40.38
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	MARTI GOGNIAT	USA	12-15-96	1:12.62
2:09.33	11-13-93	USA	DAN DOTTERWEICH	100	M.	BRST	MARTI GOGNIAT	USA	12-15-96	2:41.54
4:58.98	10-24-93	AUS	FRANK GRIFFITHS	200	M.	BRST	JEWEL COOKE	USA	03-31-96	6:53.42
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.	UME WADA	JPN	05-18-97	2:37.74
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
44:48.99	11-10-96	USA	GUS LANGNER	1500	M.	FREE	ANNA BAUSCHER	USA	10-24-93	28:45.45
1:09.61	05-11-97	GER	FRITZ MONKE	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				
1:07.76	05-19-96	JPN	SHOHEI YOSHIDA	50	M.	BRST	DORRIS VENNING	NZL	- -91	1:49.01
3:01.95	12-17-93	USA	GUS LANGNER	100	M.	BRST	DORRIS VENNING	NZL	- -91	4:05.59
6:41.56	12-03-94	USA	GUS LANGNER	200	M.	BRST				
				50	M.	FLY				
				100	M.	FLY				
				200	M.	FLY				
3:00.53	12-03-94	USA	GUS LANGNER	100	M.	I.M.				
				200	M.	I.M.				
				400	M.	I.M.				
***** M E N ***** 95-99 ***** W O M E N *****										
				50	M.	FREE				
				100	M.	FREE				
				200	M.	FREE				
				400	M.	FREE				
				800	M.	FREE				
				1500	M.	FREE				
				50	M.	BACK				
				100	M.	BACK				
				200	M.	BACK				
				50	M.	BRST				
				100	M.	BRST				
				200	M.	BRST				
				50	M.	FLY				
				100	M.	FLY				
				200	M.	FLY				
				100	M.	I.M.				
				200	M.	I.M.				
				400	M.	I.M.				
***** M E N ***** 100-104 ***** W O M E N *****										
2:06.66	09-30-95	USA	TOM LANE	50	M.	FREE				
4:32.29	09-30-95	USA	TOM LANE	100	M.	FREE				
				200	M.	FREE				
				400	M.	FREE				
				800	M.	FREE				
				1500	M.	FREE				
2:02.52	09-30-95	USA	TOM LANE	50	M.	BACK				
				100	M.	BACK				
				200	M.	BACK				
				50	M.	BRST				
				100	M.	BRST				
				200	M.	BRST				
				50	M.	FLY				
				100	M.	FLY				
				200	M.	FLY				
				100	M.	I.M.				
				200	M.	I.M.				
				400	M.	I.M.				

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS AS OF 11/7/97

WRL SCM RECORDS AS OF 11-01-97

***** 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 TAMALPAIS-USA	10-15-89	2:11.64	200-239 SG NEUKOLLN-GER	11-10-91	2:29.96
ANGELA KONIG	LAVERNE ADAMS		SIEGRID KURTZ	MONIKA SENFTLEBEN	
SHERRY RADEMACHER	NANCY RIDOUT		BRIGITTE MERTEN	MARGA SCHULZ	
240-279 NEW ENGLAND-USA	12-11-94	2:25.52	240-279 SOLK HELLAS-SWE	03-24-96	2:45.48
CLARA WALKER	JENNIFER LUKER		KERSTIN GJORES	BARBRO FLOODSTROM	
BILLIE A BURRILL	DIANE REED		HARRIET DEGIORGIO	BRITT GRILLI	
280-319 CRONULLA-AUS	10-21-95	2:50.32	280-319 KOEIKAI-JPN	04-29-97	3:18.15
NANCYE MITCHELL	BETTY STERN		MITSUKO KURASHIGE	TAKAKO NAGATA	
BARBARA ROSE	HELEN EVANS		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 B.COPHTHALL-GBR	10-18-92	1:35.91	100-119 SODERTALJE-SWE	03-16-97	1:45.84
MARK MATTHEWS	ANDY COTTER		TORKEL ARMAN	PATRIC ROBERTSSON	
JIM HOBSLEY	KEVIN FROST		JONAS AKESSON	JORGEN UUSIMAKI	
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 SHUEI-JPN	11-03-92	2:33.74
KEIJIRO NAKAMURA	EISAKU HAYASHI		GORO TANIGUCHI	HIROMU YOSHIMOTO	
ISAMU TAMURA	SHUICHI MURAYAMA		KEIICHI TOKUNAGA	SHUICHI MURAYAMA	
320-359 LONG BEACH-USA	12-11-94	2:51.43	320-359 RIS 88 - JPN	04-29-97	3:31.47
WALTER PFIEFFER	JOHN GLENN		SHIRO ISHIKAWA	SEIICHI MATSUURA	
WOODROW BOWERSOCK	BOB CHRISTIANS		YASUSHI KODA	NORI YAMAMOTO	

***** RELAY 200 M. FREE - MIXED *****			***** RELAY 200 M. MEDLEY - MIXED *****		
100-119 SODERTALJE-SWE	03-15-97	1:43.83	100-119 SODERTALJE-SWE	03-15-97	1:55.07
PATRIC ROBERTSSON	LISA LONN		TORKEL ARMAN	LISA LONN	
SOFIE NYGREN	JORGEN UUSIMAKI		PATRIC ROBERTSSON	SOFIE NYGREN	
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	
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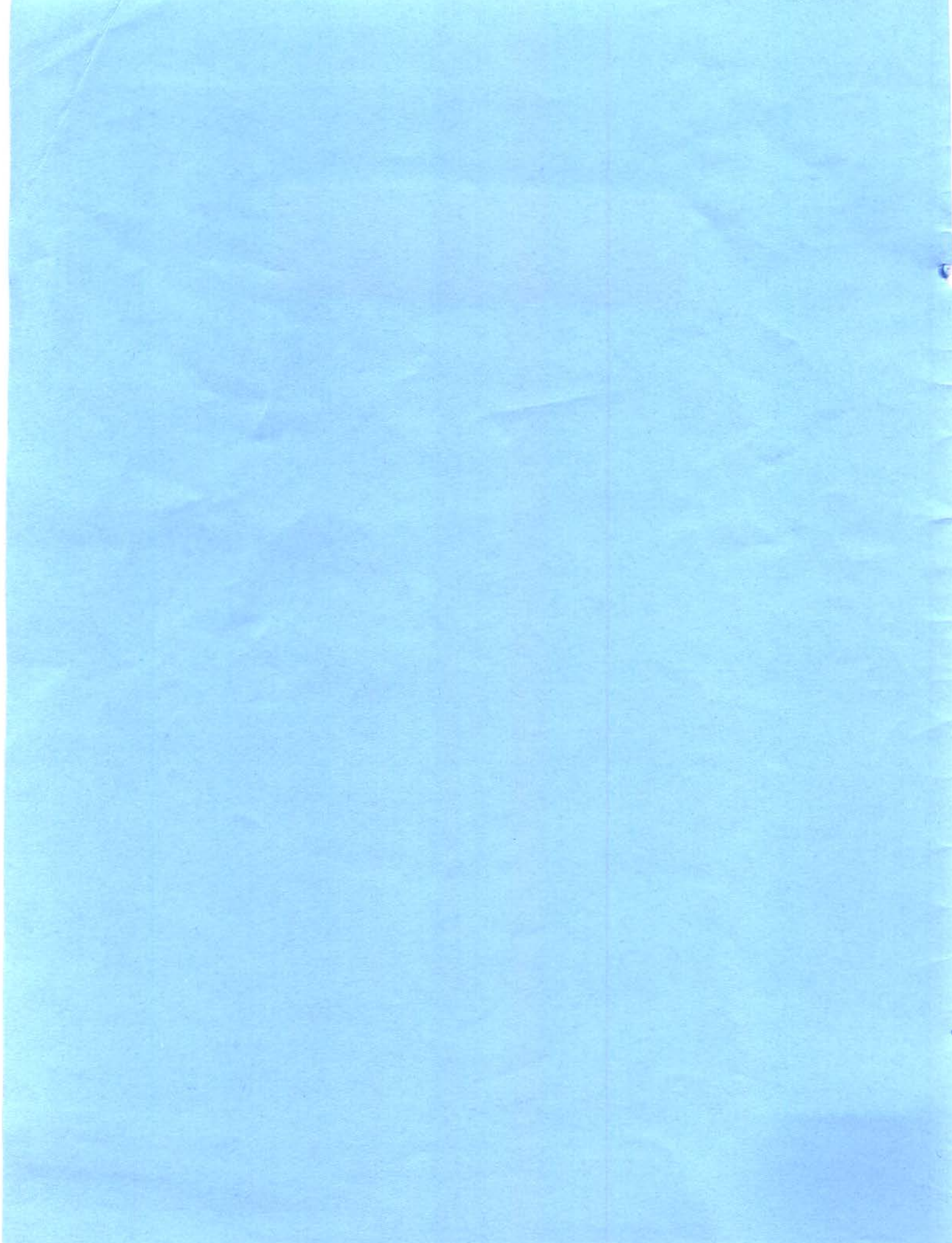
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TABLE OF CONTENTS

INDIVIDUALS		RELAYS	
AGE	WOMEN	MEN	WOMEN
19 - 24	page 1	page 10	200 M Free page 20
25 - 29	page 1	page 10	200 M Med page 21
30 - 34	page 2	page 11	400 M Free page 22
35 - 39	page 3	page 12	400 M Med page 22
40 - 44	page 3	page 12	800 M Free page 23
45 - 49	page 4	page 13	MEN
50 - 54	page 5	page 14	200 M Free page 23
55 - 59	page 5	page 14	200 M Med page 24
60 - 64	page 6	page 15	400 M Free page 25
65 - 69	page 7	page 16	400 M Med page 26
70 - 74	page 7	page 16	800 M Free page 27
75 - 79	page 8	page 17	MIXED
80 - 84	page 9	page 18	200 M Free page 27
85 - 89	page 9	page 18	200 M Med page 29
90 - 94	page 9	page 19	400 M Free page 30
95 - 99		page 19	400 M Med page 31
100 - 104		page 19	800 M Free page 31

1997 LCM Errata & World Records - follow relays
Inside Front Cover - General Information
Inside Back Cover - Publications List

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