

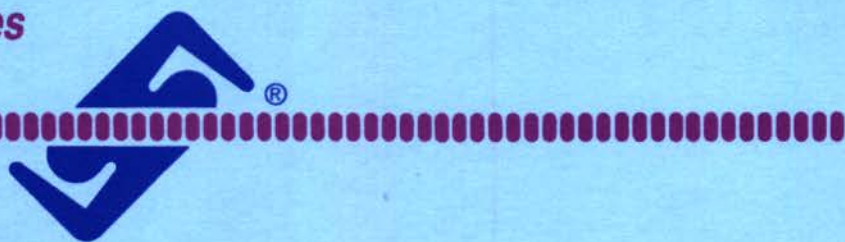
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*United States
Masters Swimming, Inc.*

**1999
Top Ten
Short Course ~~Yards~~ ^{Meters}**

and
World Records
as of November 1, 1999
**Long Course Meters
Short Course Meters**

*United States
Masters
Swimming*



Published March 2000

UNITED STATES MASTERS SWIMMING

1999 TOP TEN

SHORT COURSE METERS

The 1999 Short Course Meters Top Ten is the third issue in a series of three 1999 Top Ten issues produced by United States Masters Swimming. Inside you will find the Top Ten Times for the 1999 Short Course Meter season (swims performed in a 25 meter pool) made on or before December 31, 1999 and forwarded to the Records and Tabulation Chairman, Pieter Cath, by January 26, 2000. 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. Send \$5 to Darlynn Ferguson, 4917 Walden Circle, Orlando, FL 32811 (darkiml@yahoo.com). Add \$1.25 for each additional stroke segment desired.

The first issue in the 2000 series will be 1999-2000 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 31, 2000 and reported to the Top Ten Chairman by June 30th.

The 2000 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 30, 2000 and reported to the Top Ten Chairman by October 20th.

Now that the SCM Top Ten is *finalized*, the official 1999 All American Roster will be produced. A swimmer/relay who has the fastest 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, P.O. Box 185, Londonderry, NH 03053-0185.

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 an All Star Certificate from the National Office. 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

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

WOMEN 19-24

		32.56 Kriste Kleiner	24	33.28 Jaimie Richmond	22	1:02.87 Linda Visser	29
		32.77 Antje Flamich	20	33.42 Miah Broussard	23	1:03.22 Rachel Frentsos	28
		33.20 Liz Hawes	23	34.09 Sarah Kramer	22	1:03.22 Erica A Dunn	26
		33.27 Michelle Hackmer	23	100 M. BUTTERFLY		1:03.36 Alexandra Nieto	27
• 50 M. FREESTYLE		33.60 Talia Brott	19	1:05.38 JAMIE RAAB	94	1:04.25 Francesc Gambetti	27
26.61 ALISON TERRY	98	33.63 Sara Megan Reise	24	1:09.50 S Stringfellow	24	1:04.59 Jennifer Scalise	28
28.22 S Stringfellow	24	34.41 Allison Beebe	23	1:12.05 Aurora Tallacksen	23	1:05.48 Jennifer Coers	29
28.45 Antje Flamich	20	34.71 Rian Larkin	24	1:12.73 C Gemeinhardt	23	200 M. FREESTYLE	
28.73 K Goldthorpe	24	35.12 Elisa Novak	24	1:14.19 Lia T Schraeder	24	1:59.78 SHEILA TAORMINA	96
28.74 Talia Brott	19	100 M. BACKSTROKE		1:14.20 Allison Beebe	23	2:15.74 Rachel Frentsos	28
28.82 Michelle Hackmer	23	1:06.59 ALISON TERRY	98	1:15.42 K Goldthorpe	24	2:15.98 Grace Cornelius	27
29.30 Caroline Stender	22	1:09.96 Antje Flamich	20	1:15.47 Miah Broussard	23	2:20.10 Liz Sullivan	25
29.42 Kriste Kleiner	24	1:10.47 Michelle Hackmer	23	1:16.57 Jennifer Stowe	24	2:20.69 Amber Weiss	25
29.79 Jennif Petykowski	23	1:12.92 Liz Hawes	23	1:16.79 Carolyn Scalise	23	2:21.14 Jennifer Coers	29
29.87 Miah Broussard	23	1:13.12 S Stringfellow	24	1:17.97 Gina Cheuk	20	2:21.55 Kerry Fraas	25
30.11 Sara Allen	24	1:13.48 Talia Brott	19	200 M. BUTTERFLY		2:24.30 Shauna Simpson	28
100 M. FREESTYLE		1:13.61 Allison Beebe	23	2:28.91 LOUISE APPLETON	97	2:25.56 Leslie Rhee	25
57.86 ALISON TERRY	97	1:14.89 E Scheppke	22	2:43.09 Allison Beebe	23	2:25.63 Mallory Slaughter	29
1:00.94 S Stringfellow	24	1:15.15 Elisa Novak	24	2:51.83 Rebeck De Bernard	22	2:27.84 Francesc Gambetti	27
1:01.29 Jennifer Mancini	23	1:15.39 Jennifer Drake	24	2:59.82 Kriste Kleiner	24	400 M. FREESTYLE	
1:02.44 Antje Flamich	20	1:15.47 Jane Stevens	22	3:05.87 Gina Cheuk	20	4:24.18 SHEILA TAORMINA	96
1:03.22 Liz Hawes	23	200 M. BACKSTROKE		3:18.17 Wendy Kellner	24	4:42.73 Jane Cairns	29
1:03.83 Emily Peters	24	2:22.61 N WUNDERLICH	95	4:23.41 Ruth Davis	24	4:46.91 Rachel Frentsos	28
1:04.17 K Goldthorpe	24	2:29.96 Liz Hawes	23	100 M. INDIVIDUAL MEDLEY		4:52.83 Linda Visser	29
1:04.84 Talia Brott	19	2:41.95 Talia Brott	19	1:05.34 BEATA KASZUBA	95	4:57.50 Amber Weiss	25
1:04.85 Kriste Kleiner	24	2:41.98 Jane Stevens	22	1:09.02 Cynthia Janssen	24	5:03.30 Mallory Slaughter	29
1:05.08 Cheryl Mark	22	2:46.85 Candice Johnson	20	1:11.44 Jennifer Mancini	23	5:08.23 Joanne Sonberg	25
1:05.18 Caroline Stender	22	2:46.94 Sarah Riley	24	1:12.41 Sara Megan Reise	24	5:12.93 Karen L Johnson	27
200 M. FREESTYLE		2:48.41 Kriste Kleiner	24	1:12.64 Kriste Kleiner	24	5:13.14 Caroline Ivers	26
2:08.96 ALISON TERRY	97	2:53.56 Gina Cheuk	20	1:12.75 S Stringfellow	24	5:14.13 Jodi Shaw	28
2:11.44 Emily Peters	24	2:53.76 Jennifer Stowe	24	1:13.24 Leslie Allen	24	5:14.31 Laura Smith	29
2:14.38 Cynthia Janssen	24	2:56.22 Wendy Kellner	24	1:14.24 Michelle Hackmer	23	800 M. FREESTYLE	
2:18.38 Liz Hawes	23	2:59.14 Robin Oswald	24	1:15.18 Sarah Riley	24	8:51.18 SHEILA TAORMINA	96
2:20.39 Aurora Tallacksen	23	50 M. BREASTSTROKE		1:15.83 Miah Broussard	23	9:19.05 Tobie Smith	26
2:22.85 Talia Brott	19	32.09 BEATA KASZUBA	95	1:16.04 Cheryl Mark	22	10:23.36 Wendy Alcock	29
2:24.23 Miah Broussard	23	34.96 Cynthia Janssen	24	200 M. INDIVIDUAL MEDLEY		10:27.77 Mallory Slaughter	29
2:25.02 Jennifer Drake	24	37.36 Cheryl Mark	22	2:30.37 N WUNDERLICH	95	10:51.34 Laura Smith	29
2:25.16 Kriste Kleiner	24	39.08 Elizabeth Lehre	22	2:36.02 Jennifer Mancini	23	10:58.91 Caroline Ivers	26
2:25.43 Leslie Allen	24	39.57 Kriste Kleiner	24	2:37.17 Sara Megan Reise	24	11:01.99 Jodi Shaw	28
2:28.10 Robin Oswald	24	40.58 Miah Broussard	23	2:38.45 Sarah Riley	24	11:07.27 Kelley Pfriemer	29
400 M. FREESTYLE		41.37 J Foote	24	2:39.76 Miah Broussard	23	11:11.51 Whitney K Wood	28
4:33.15 EMILY PETERS	99	41.51 Sara Lentz	22	2:39.92 Kriste Kleiner	24	11:35.74 Brooke O'Connor	25
4:33.15 Emily Peters	24	41.89 Natalie Kubala	24	2:43.13 Elizabeth Lehre	22	11:37.30 Elise Selz	28
4:43.43 Liz Hawes	23	42.10 Annie Tom	23	2:44.00 Sharon Noe	23	1500 M. FREESTYLE	
4:54.84 Aurora Tallacksen	23	42.12 Hollie Hansen	24	2:44.45 Allison Beebe	23	16:36.07 SHEILA TAORMINA	96
5:03.57 Julie Peterson	23	100 M. BREASTSTROKE		2:45.87 Jaimie Richmond	22	19:36.95 Mallory Slaughter	29
5:05.38 Kriste Kleiner	24	1:08.89 BEATA KASZUBA	95	2:46.84 C Gemeinhardt	23	19:48.61 Elise Selz	28
5:08.40 Talia Brott	19	1:21.13 Sarah Riley	24	400 M. INDIVIDUAL MEDLEY		19:55.29 Linda Hegeberg	29
5:12.88 Rebeck De Bernard	22	1:23.16 Elizabeth Lehre	22	5:12.14 N WUNDERLICH	95	19:59.07 Wendy Alcock	29
5:13.14 Kate Toole	24	1:23.55 Sharon Noe	23	5:25.75 Sara Megan Reise	24	20:37.18 Jodi Shaw	28
5:20.24 Sara Allen	24	1:24.43 Mindy Armstrong	24	5:30.44 Emily Peters	24	20:46.79 Laura Smith	29
5:22.81 Nicole J Vrolyks	24	1:24.86 Petra Franzen	23	5:48.62 Rebeck De Bernard	22	21:04.82 Kelley Pfriemer	29
800 M. FREESTYLE		1:25.93 Miah Broussard	23	6:04.62 Gina Cheuk	20	21:21.84 Whitney K Wood	28
9:24.49 EMILY PETERS	99	1:27.13 Suzette Atrasz	23	6:07.29 Carrie O'Shields	22	21:59.46 Kristen Bergmann	27
9:24.49 Emily Peters	24	1:28.08 Kathleen Boyd	23	6:09.22 Wendy Kellner	24	22:06.62 Brooke O'Connor	25
9:42.40 Liz Hawes	23	1:29.15 Jaimie Richmond	22	6:12.69 Robin Oswald	24	50 M. BACKSTROKE	
10:04.47 Aurora Tallacksen	23	1:30.20 Marianne Bartelt	22	7:51.80 Cynthia Lapine	24	30.63 DIANE GRANER	89
10:22.25 Julie Peterson	23	200 M. BREASTSTROKE		8:45.30 Ruth Davis	24	32.13 Corinne Murphy	26
11:19.12 Amanda Dobbs	21	2:38.63 ANITA NALL	97			32.52 Katherine Johnson	28
11:31.08 Regina Gluchowski	24	2:41.53 Cynthia Janssen	24	WOMEN 25-29		32.76 Jeanne Kellachan	28
12:02.72 Natalie Kubala	24	2:56.14 Sarah Riley	24	50 M. FREESTYLE		33.20 Jeri Ramsbottom	28
12:23.67 Susalyne Sowada	23	3:03.59 Elizabeth Lehre	22	26.63 HEATHER HAGEMAN	97	33.46 Jane Cairns	29
12:49.09 Jeanne Coon	24	3:04.80 Miah Broussard	23	26.16 Alison Terry	25N	33.52 Melinda Storrs	28
12:49.44 Leslie Pollner	23	3:13.02 Castle Funatake	24	27.91 Kerry Fraas	25	33.80 Rhona Feltzer	25
1500 M. FREESTYLE		3:15.76 Carrie O'Shields	22	28.12 Heather Hageman	29	33.88 Heather Hageman	29
18:54.01 KRISTIN HENSON	90	3:16.18 Jessica Geist	24	28.58 Francesc Gambetti	27	34.12 Dahnya Geary	25
19:31.78 Julie Peterson	23	3:16.30 Lisa Gorsline	24	29.37 Alexandra Nieto	27	34.29 Jackie Rowe	25
20:11.68 Kiley Ames-Klein	23	3:16.34 Regina Gluchowski	24	29.49 Laura Borgelt	27	100 M. BACKSTROKE	
20:33.82 Kate Toole	24	3:17.05 Gina Cheuk	20	29.51 Eunice Ching	29	1:04.66 DIANE GRANER	89
20:51.59 Carrie O'Shields	22	50 M. BUTTERFLY		29.81 Corinne Murphy	26	1:06.40 Alison Terry	25
21:16.12 Talia Brott	19	28.84 JAMIE RAAB	94	29.88 Jeanne Kellachan	28	1:10.49 Corinne Murphy	26
21:38.20 Nicole J Vrolyks	24	30.43 S Stringfellow	24	29.89 Linda Visser	29	1:10.53 Jane Cairns	29
23:41.94 Tiffany Cress	21	31.37 Sara Megan Reise	24	100 M. FREESTYLE		1:11.61 Jeri Ramsbottom	28
27:43.92 Cynthia Lapine	24	32.12 K Goldthorpe	24	56.30 SHEILA TAORMINA	96	1:13.65 Dahnya Geary	25
28:56.40 Ruth Davis	24	32.28 Kriste Kleiner	24	57.10 Alison Terry	25	1:14.35 Melinda Storrs	28
50 M. BACKSTROKE		32.49 Sara Pelosi	20	1:01.70 Kerry Fraas	25	1:14.44 Laura Borgelt	27
30.86 KYM HUCAL	94	33.07 Sara Allen	24	1:02.58 Heather Hageman	29	1:15.24 Elise Selz	28
32.35 S Stringfellow	24	33.15 Allison Beebe	23			1:15.36 Jennifer Coers	29

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

1:15.48 Christine Manna	25	2:47.37 Linda Hegeberg	29	2:20.33 Ellen Baird	30	33.34 Wenke Hansen	30
• 200 M. BACKSTROKE		2:47.93 Mary Demilia	28	2:20.90 Diane Johnston	31	35.40 Louise Martin	30
2:20.66 DIANE GRANER	89	2:49.46 Caroline Ivers	26	2:22.12 Nancy North	31	37.07 Debbie Schultz	31
2:32.53 Jane Cairns	29	3:13.39 Penny Hauffe	27	2:22.38 Jennifer Jacobs	31	37.55 Geneve Hendricks	31
2:34.46 Corinne Murphy	26	3:20.75 Kendra Garrow	25	• 400 M. FREESTYLE		37.61 A Luallen-Scholz	34
2:36.91 Katherine Johnson	28	3:21.09 Rebecca Leshner	29	4:22.70 K PIPES-NEILSEN	96	38.13 Janet Harris	34
2:37.22 Liz Sullivan	25	3:32.86 Jen Kiper	27	4:36.70 Laurie Hug	34	38.18 Jennifer Jones	33
2:38.46 Dahnya Geary	25	• 100 M. INDIVIDUAL MEDLEY		4:42.64 Laureen Welting	33	38.24 Therese Kominski	32
2:39.13 Katherine Veazey	26	1:05.67 WENKE HANSEN	98	4:48.42 A Luallen-Scholz	34	38.38 Pamela Lindroos	33
2:44.74 Joanne Sonberg	25	1:11.64 Kerry Fraas	25	4:50.64 Susie Devlin	33	38.42 Leigh A Blessing	30
2:45.48 Jodi Shaw	28	1:11.76 Linda Visser	29	4:51.87 Diane Johnston	31	• 100 M. BREASTSTROKE	
2:45.55 Carolyn Spangler	27	1:12.69 Alexandra Nieto	27	4:53.70 Ellen Baird	30	1:11.13 WENKE HANSEN	99
2:46.66 Linda Hegeberg	29	1:13.10 J Woodward	28	4:57.90 Tiffany Forbes	32	1:11.13 Wenke Hansen	30
• 50 M. BREASTSTROKE		1:13.64 Jennifer Coers	29	5:00.00 Mary Ellen Powers	33	1:16.53 Louise Martin	30
32.20 TRACEY MIRANDE	95	1:13.74 Jeanne Kellachan	28	5:08.77 Ann Hill	30	1:22.29 Debbie Schultz	31
36.17 Elizabeth Boehm	25	1:13.98 Corinne Murphy	26	5:09.11 Jessie Toland	31	1:22.31 Leigh A Blessing	30
36.75 Lori De Luca	28	1:14.21 Jane Cairns	29	• 800 M. FREESTYLE		1:22.49 A Luallen-Scholz	34
37.66 Linda Hegeberg	29	1:14.30 Linda Hegeberg	29	9:08.34 K PIPES-NEILSEN	96	1:22.98 Jerri Friemuth	34
37.94 Kerry Fraas	25	1:14.80 Dahnya Geary	25	9:26.15 Laurie Hug	34	1:23.39 Jennifer Main	32
39.52 Jodi Shaw	28	• 200 M. INDIVIDUAL MEDLEY		9:53.96 A Luallen-Scholz	34	1:23.63 Geneve Hendricks	31
39.95 Melissa Roper	29	2:21.79 WENKE HANSEN	98	9:59.29 Diane Johnston	31	1:24.68 Jennifer Jones	33
40.09 Meghan Hall	29	2:23.00 Alison Terry	25	10:13.29 Tiffany Forbes	32	1:25.28 Carole Kammel	31
40.46 Erin O Campbell	26	2:35.91 Jane Cairns	29	10:16.09 Jerri Friemuth	34	• 200 M. BREASTSTROKE	
40.65 Stephanie Dorsey	29	2:36.57 Liz Sullivan	25	10:18.46 Karen Leahy	31	2:34.09 WENKE HANSEN	99
41.56 Heather Hageman	29	2:38.54 Linda Hegeberg	29	10:28.99 Juliet E Cox	31	2:34.09 Wenke Hansen	30
• 100 M. BREASTSTROKE		2:39.65 Rachel Frentsos	28	10:34.67 Emily Watts	32	2:45.38 Louise Martin	30
1:13.30 WENKE HANSEN	98	2:40.47 Jennifer Coers	29	10:36.12 Nancy North	31	2:55.58 Jerri Friemuth	34
1:19.65 Elizabeth Boehm	25	2:41.39 Amber Weiss	25	10:44.28 Lucy Shearn	31	2:56.30 Debbie Schultz	31
1:20.53 Linda Hegeberg	29	2:41.55 Elise Selz	28	• 1500 M. FREESTYLE		2:57.36 Laurie Hug	34
1:22.04 Alison Terry	25	2:42.50 Dahnya Geary	25	17:23.60 KAREN BURTON	94	2:58.90 A Luallen-Scholz	34
1:22.67 Lori De Luca	28	2:42.85 Jodi Shaw	28	17:58.96 Laurie Hug	34	3:01.30 Leigh A Blessing	30
1:23.39 Jodi Shaw	28	• 400 M. INDIVIDUAL MEDLEY		18:47.00 A Luallen-Scholz	34	3:02.76 Heather Parry	30
1:26.09 Suzanne Dearworth	27	5:02.54 WENKE HANSEN	98	19:15.37 Diane Johnston	31	3:03.42 Geneve Hendricks	31
1:26.83 Erin O Campbell	26	5:33.05 Linda Visser	29	19:27.07 Jerri Friemuth	34	3:09.50 Betsy Watkins	34
1:30.58 Carrie K Coit	29	5:39.34 Elise Selz	28	19:44.78 Karen Leahy	31	• 50 M. BUTTERFLY	
1:31.06 Meghan Hall	29	5:39.81 Linda Hegeberg	29	19:51.71 Nancy North	31	28.84 WENKE HANSEN	99
1:31.64 Julie Howard	25	5:46.46 Mallory Slaughter	29	20:09.11 Tina Neill	34	28.84 Wenke Hansen	30
• 200 M. BREASTSTROKE		5:50.88 Rachel Frentsos	28	20:19.46 Lucy Shearn	31	30.13 Jennifer Ridge	31
2:39.62 WENKE HANSEN	98	5:51.05 Jodi Shaw	28	20:20.41 Patty Hodge	34	30.29 A Luallen-Scholz	34
2:48.69 Stephanie Wriede	29	6:00.05 Erin O Campbell	26	20:29.76 Carole Kammel	31	31.07 Christin Kanazawa	32
2:51.28 Linda Hegeberg	29	6:31.90 Kendra Garrow	25	• 50 M. BACKSTROKE		31.12 Susan Williams	33
2:54.19 Elizabeth Boehm	25	6:36.45 Rachel Herr	27	30.14 D.GRANER GALLAS	96	31.26 Kristen Corbett	33
2:58.03 Jodi Shaw	28	6:41.91 Katherine Pomykal	28	32.15 A Luallen-Scholz	34	31.44 Karen Becker	32
3:03.70 Erin O Campbell	26			32.15 Susan Williams	33	31.59 Julie Gurzi	30
3:04.20 Suzanne Dearworth	27	WOMEN 30-34		33.44 Kristen Corbett	33	32.12 Bridget Samuel	31
3:06.52 Stephanie Dorsey	29	• 50 M. FREESTYLE		33.61 Karen Becker	32	32.81 Mary Ellen Powers	33
3:12.47 Shauna Simpson	28	26.46 ANNA PETTIS-SCOTT	93	34.47 Mary Ellen Powers	33	• 100 M. BUTTERFLY	
3:24.18 Katherine Pomykal	28	27.92 Laureen Welting	34	34.56 Patty Hodge	34	1:03.80 K PIPES-NEILSEN	96
3:26.44 Kendra Garrow	25	28.71 A Luallen-Scholz	34	34.72 Cecelia Coleman	33	1:06.45 Wenke Hansen	30
• 50 M. BUTTERFLY		28.86 Dori Kauffman	31	34.75 Julie Gurzi	30	1:06.81 Jennifer Ridge	31
28.68 SHEILA TAORMINA	96	28.86 Dori Kauffman	31	35.23 Suzie Fisch	30	1:07.64 A Luallen-Scholz	34
30.94 Erica A Dunn	26	28.91 Susie Devlin	33	35.50 Bridget Samuel	31	1:08.98 Karen Becker	32
31.23 Grace Cornelius	27	28.94 Christin Kanazawa	32	• 100 M. BACKSTROKE		1:10.21 Tiffany Forbes	32
31.40 Lori De Luca	28	29.15 Louise Martin	30	1:03.36 K PIPES-NEILSEN	96	1:11.11 Laureen Welting	33
32.01 Alexandra Nieto	27	29.28 Julie Gurzi	30	1:08.17 A Luallen-Scholz	34	1:11.66 Kristen Corbett	33
32.08 Mary Demilia	28	29.33 Karen Becker	32	1:10.34 Susan Williams	33	1:12.02 Nancy North	31
32.16 Heather Hageman	29	29.54 Diane Johnston	31	1:11.56 Kristen Corbett	33	1:13.10 Julie Gurzi	30
32.37 Linda Visser	29	29.64 Jennifer Jones	33	1:13.50 Mary Ellen Powers	33	1:14.57 Mary Ellen Powers	33
32.95 Aimee Hendrigan	28	• 100 M. FREESTYLE		1:13.63 Ellen Baird	30	• 200 M. BUTTERFLY	
33.05 Corinne Murphy	26	57.35 S. NEILSON-BELL	88	1:14.39 Cecelia Coleman	33	2:19.64 K PIPES-NEILSEN	96
33.11 Jill Roethke	28	1:00.05 Laureen Welting	34	1:15.05 Iona Winter	31	2:25.90 Laureen Welting	34
• 100 M. BUTTERFLY		1:00.13 Jennifer Ridge	31	1:15.09 Patty Hodge	34	2:30.37 A Luallen-Scholz	34
1:01.33 SHEILA TAORMINA	96	1:01.70 A Luallen-Scholz	34	1:15.18 Nancy North	31	2:31.29 Jennifer Ridge	31
1:06.48 Alison Terry	25	1:03.57 Julie Gurzi	30	1:15.28 Susie Devlin	33	2:35.09 Tiffany Forbes	32
1:11.11 Linda Visser	29	1:03.59 Laurie Hug	34	• 200 M. BACKSTROKE		2:36.62 Laurie Hug	34
1:11.25 Jane Cairns	29	1:04.60 Dori Kauffman	31	2:13.51 K PIPES-NEILSEN	96	2:41.34 Karen Becker	32
1:11.55 Eunice Ching	29	1:04.71 Diane Johnston	31	2:26.66 A Luallen-Scholz	34	2:49.19 Patty Hodge	34
1:11.57 Susan Knight	29	1:05.25 Jennifer Jacobs	31	2:36.19 Laurie Hug	34	2:51.32 Carol Prescott	30
1:11.99 Mallory Slaughter	29	1:05.45 Iona Wynter	31	2:37.19 Ellen Baird	30	2:58.01 Jessie Toland	31
1:12.41 Mary Demilia	28	1:05.50 Kathryn Zubatuk	34	2:39.49 Mary Ellen Powers	33	2:58.80 Cecelia Coleman	32
1:12.65 Jill Roethke	29	• 200 M. FREESTYLE		2:40.06 Nancy North	31	• 100 M. INDIVIDUAL MEDLEY	
1:12.67 Stephanie Wriede	29	2:04.64 K PIPES-NEILSEN	96	2:41.47 Patty Hodge	34	1:04.96 WENKE HANSEN	99
1:13.20 Shauna Simpson	28	2:09.09 Laureen Welting	34	2:41.77 Cecelia Coleman	32	1:04.96 Wenke Hansen	30
• 200 M. BUTTERFLY		2:12.37 Jennifer Ridge	31	2:49.29 Michele Fox	30	1:09.61 Laureen Welting	34
2:25.73 SHEILA TAORMINA	98	2:14.19 A Luallen-Scholz	34	2:50.02 Jennifer Vana	32	1:10.46 A Luallen-Scholz	34
2:34.56 Jane Cairns	29	2:14.27 Laurie Hug	34	2:51.99 Patricia Hogan	30	1:11.90 Susan Williams	33
2:39.75 Mallory Slaughter	29	2:17.73 Louise Martin	30	• 50 M. BREASTSTROKE		1:13.11 Karen Becker	32
2:42.58 Eunice Ching	29	2:18.63 Tiffany Forbes	32	33.34 WENKE HANSEN	99	1:14.27 Debbie Schultz	31

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

1:14.46 Julie Gurzi	30	5:08.19 Andrea Funk	36	1:21.81 CJ Lockman Hall	35	2:44.42 Amy Pope	39
1:15.37 Patty Hodge	34	▪ 800 M. FREESTYLE		1:22.51 Paula Pollard	36	▪ 400 M. INDIVIDUAL MEDLEY	
1:15.92 Cecelia Coleman	33	9:15.40 K PIPES-NEILSEN	98	1:22.55 Dara Wilber	39	4:52.85 K PIPES-NEILSEN	97
1:16.01 Christina Kanazawa	32	9:23.85 K Pipes-Neilsen	37	1:22.66 Janna D Jensen	36	5:05.61 K Pipes-Neilsen	37
▪ 200 M. INDIVIDUAL MEDLEY		9:40.11 Charlott Petersen	35	1:23.81 Maud Orlando	37	5:10.43 Jill Hernandez	39
2:18.79 K PIPES-NEILSEN	96	10:16.20 Nancy J Rose	38	1:24.11 Lisa Flanagan	37	5:32.26 Andrea Hawcridge	37
2:22.45 Wenke Hansen	30	10:22.52 Lisa M Sheeper	35	1:25.30 Robin Molese	35	5:32.59 Deborah Zimic	37
2:27.52 Jennifer Ridge	31	10:33.11 Andrea Funk	36	▪ 200 M. BREASTSTROKE		5:42.32 Rebecca Kalibat	36
2:28.46 Laureen Welting	34	10:40.05 Debra Nelson	35	2:43.61 CAROLINE KRATTLI	98	5:43.33 Elizabet Halouzka	35
2:31.06 A Luallen-Scholz	34	10:40.29 Penny Bates	38	2:43.83 Caroline Krattli	37	5:47.76 Nancy J Rose	38
2:33.58 Laurie Hug	34	10:44.84 Laura Winslow	39	2:51.87 K Pipes-Neilsen	37	5:47.86 Cheryl Barany	35
2:38.61 Karen Becker	32	10:50.31 Sarah Hoagland	37	2:55.53 Beth Scheimann	37	5:49.70 Dara Wilber	39
2:40.51 Patty Hodge	34	10:53.35 Mary Dore	36	2:56.79 Dara Wilber	39	5:51.68 Penny Bates	38
2:40.78 Tiffany Forbes	32	▪ 1500 M. FREESTYLE		2:58.68 Paula Pollard	36		
2:45.47 Karen Leahy	31	17:36.24 K PIPES-NEILSEN	99	3:01.04 Maud Orlando	37	<u>WOMEN 40-44</u>	
2:48.23 Heidi Sussman	30	17:36.24 K Pipes-Neilsen	37	3:02.82 Rebecca Kalibat	36	▪ 50 M. FREESTYLE	
▪ 400 M. INDIVIDUAL MEDLEY		18:12.78 Charlott Petersen	35	3:02.83 Lisa Flanagan	37	26.66 S.NEILSON-BELL	96
4:53.85 K PIPES-NEILSEN	96	19:16.50 Deborah Zimic	37	3:06.50 Laura Kessler	39	26.95 Beth Knight	40
5:12.26 Laureen Welting	34	19:34.35 Marcia Cleveland	35	3:08.16 Mary K Fitzgerald	38	28.27 S Neilson-Bell	43
5:20.70 Laurie Hug	34	19:49.95 Mary Dore	36	▪ 50 M. BUTTERFLY		28.77 Grace Goddard	40
5:23.31 A Luallen-Scholz	34	19:59.23 Andrea Funk	36	29.87 K PIPES-NEILSEN	97	29.61 Traci Granger	41
5:35.64 Tiffany Forbes	32	20:07.59 Penny Bates	38	29.35 K Pipes-Neilsen	37N	30.34 Morri Spang	43
5:36.08 Ellen Baird	30	20:18.14 Elizabet Halouzka	35	29.54 D Graner Gallas	35N	30.45 Jean Banks	43
5:40.26 Patty Hodge	34	20:32.57 Debra Nelson	35	30.05 Jill Hernandez	39	30.46 Barb Handler	42
5:40.86 Debbie Schultz	31	20:36.09 Anita L Benedict	36	30.10 Tracie Moll	36	30.61 E Macbride-Mack	40
5:41.84 Kristen Turner	30	▪ 50 M. BACKSTROKE		31.09 Caroline Krattli	37	30.61 Meg May	41
5:44.34 Nancy North	31	30.73 K PIPES-NEILSEN	99	31.51 Robin Vaughn	35	30.76 Julie Paque	41
5:48.29 Heather Parry	30	30.73 K Pipes-Neilsen	37	32.12 Barbara Harris	39	▪ 100 M. FREESTYLE	
		32.86 Beth Baker	38	32.18 Jennifer Peasley	35	59.83 S.NEILSON-BELL	96
<u>WOMEN 35-39</u>		33.22 Tracie Moll	36	32.28 Paula Pollard	36	1:02.64 S Neilson-Bell	43
▪ 50 M. FREESTYLE		33.40 Andrea Hawcridge	37	32.31 Beth Scheimann	37	1:03.49 Melinda Schmitt	41
26.13 S. NEILSON-BELL	95	33.62 Carolyn Mathews	37	▪ 100 M. BUTTERFLY		1:03.75 Grace Goddard	40
27.35 Jill Hernandez	39	33.64 Caroline Krattli	37	1:03.29 K PIPES-NEILSEN	97	1:04.84 Suzann Heim-Bowen	41
27.36 K Pipes-Neilsen	37	34.59 Kimberly Smith	35	1:04.74 K Pipes-Neilsen	37	1:07.02 Jennifer Slonaker	41
27.62 Tracie Moll	36	35.63 Cathy Shonkwiler	39	1:05.21 Tracie Moll	36	1:07.49 Barb Handler	42
27.63 D Graner Gallas	35	35.99 Andrea Funk	36	1:05.83 Jill Hernandez	39	1:07.95 Meg May	41
28.10 Caroline Krattli	37	36.41 Peggy Schmidt	36	1:06.44 D Graner Gallas	35	1:08.26 Tracy Grilli	42
28.46 Charlott Petersen	35	▪ 100 M. BACKSTROKE		1:13.18 Cliodna Johnston	36	1:08.87 Tricia Moses	40
28.59 Beth Baker	38	1:03.56 K PIPES-NEILSEN	97	1:13.57 Mary Dore	36	1:08.88 Sharon Wencel	40
28.74 Beth Scheimann	37	1:05.13 K Pipes-Neilsen	35	1:14.23 Suzan Mendez	37	▪ 200 M. FREESTYLE	
29.09 Paula Pollard	36	1:05.94 D Graner Gallas	35	1:14.55 Elizabet Halouzka	35	2:09.53 BETH KNIGHT	99
29.46 Mary Dore	36	1:11.97 Andrea Hawcridge	37	1:14.56 Robin Vaughn	35	2:09.53 Beth Knight	40
▪ 100 M. FREESTYLE		1:13.07 Jennifer Portman	37	1:15.71 Penny Bates	38	2:24.78 Grace Goddard	40
57.71 S. NEILSON-BELL	94	1:13.28 Carolyn Mathews	37	▪ 200 M. BUTTERFLY		2:25.71 Allison Raap	41
57.86 K Pipes-Neilsen	37	1:16.50 Barbara Harris	39	2:18.41 K PIPES-NEILSEN	97	2:26.63 K Andrus-Hughes	42
58.79 Jill Hernandez	39	1:16.83 Andrea Funk	36	2:22.38 K Pipes-Neilsen	37	2:27.32 Maggie Kinsella	42
1:01.11 Charlott Petersen	35	1:16.98 Kimberly Smith	35	2:28.16 Tracie Moll	36	2:28.24 Tracy Grilli	42
1:02.98 Jennifer Peasley	35	1:18.33 Sarah Osborne	37	2:43.80 Nancy J Rose	38	2:29.16 Jennifer Slonaker	41
1:03.04 Beth Baker	38	1:18.41 Joanne Steinauer	36	2:45.47 Penny Bates	38	2:30.01 Sally Maddox	40
1:03.23 Mary Dore	36	▪ 200 M. BACKSTROKE		2:49.26 Mary Dore	36	2:30.01 Constance Hallett	40
1:03.82 Paula Pollard	36	2:14.10 K PIPES-NEILSEN	97	2:58.30 Joan Buehler	37	2:30.10 Meg May	41
1:03.91 Jennifer Portman	37	2:17.60 K Pipes-Neilsen	37	2:59.18 Karen Gleason	39	▪ 400 M. FREESTYLE	
1:04.70 Cathy Shonkwiler	39	2:34.16 Andrea Hawcridge	37	3:06.86 Dana Smith	36	4:34.83 S HEIM-BOWEN	98
1:05.45 CJ Lockman Hall	35	2:42.14 Penny Bates	38	3:08.06 Michele Bailey	36	5:09.02 Tracy Grilli	42
▪ 200 M. FREESTYLE		2:42.22 Carolyn Mathews	37	3:09.38 Juliet Applewhite	37	5:10.14 Maggie Kinsella	42
2:03.56 K PIPES-NEILSEN	97	2:44.84 Andrea Funk	36	▪ 100 M. INDIVIDUAL MEDLEY		5:11.31 Leslie J Henshaw	40
2:04.62 K Pipes-Neilsen	37	2:44.95 Lori Terlouw	35	1:05.74 K PIPES-NEILSEN	98	5:11.32 Sally Maddox	40
2:06.86 Jill Hernandez	39	2:47.78 Nancy J Rose	38	1:06.13 K Pipes-Neilsen	37	5:13.10 Huddie Murray	43
2:06.96 D Graner Gallas	35	2:48.32 Mary Llew Anders	39	1:09.74 Caroline Krattli	37	5:14.10 Sharon Wencel	40
2:11.00 Charlott Petersen	35	2:49.41 Carole Kepler	36	1:11.87 Jill S Hernandez	39	5:15.26 K Andrus-Hughes	42
2:14.92 Tracie Moll	36	2:50.70 Sarah Hoagland	37	1:12.60 Tracie Moll	36	5:16.49 Jennifer Slonaker	41
2:18.79 Mary Dore	36	▪ 50 M. BREASTSTROKE		1:13.49 CJ Lockman Hall	35	5:18.84 Meg May	41
2:19.28 Beth Scheimann	37	34.38 CAROLINE KRATTLI	99	1:13.76 Paula Pollard	36	5:19.18 Constance Hallett	40
2:19.38 Beth Baker	38	34.38 Caroline Krattli	37	1:14.20 Jennifer Peasley	35	▪ 800 M. FREESTYLE	
2:20.24 Paula Pollard	36	34.84 K Pipes-Neilsen	37	1:14.74 Beth Scheimann	37	9:29.90 S HEIM-BOWEN	98
2:24.02 Kathl Tetreault	38	36.83 Beth Scheimann	37	1:15.61 Dara Wilber	39	9:41.67 Suzann Heim-Bowen	41
▪ 400 M. FREESTYLE		37.72 Maud Orlando	37	1:15.85 Cheryl Barany	35	10:27.96 Allison Raap	41
4:22.56 K PIPES-NEILSEN	99	38.19 Dara Wilber	39	▪ 200 M. INDIVIDUAL MEDLEY		10:37.18 Maggie Kinsella	42
4:22.56 K Pipes-Neilsen	37	38.86 Paula Pollard	36	2:20.79 K PIPES-NEILSEN	98	10:45.65 Leslie J Henshaw	40
4:26.57 Jill Hernandez	39	38.90 Robin Molese	35	2:22.88 K Pipes-Neilsen	37	10:46.05 Sally Maddox	40
4:34.92 Charlott Petersen	35	39.32 Lisa Flanagan	37	2:25.87 Jill Hernandez	39	10:51.10 Sharon Wencel	40
4:56.81 Paula Pollard	36	39.62 Kimarie Hull	37	2:34.96 Caroline Krattli	37	10:56.35 Elaine Fincham	44
5:01.69 Mary Dore	36	39.88 Laura Kessler	39	2:38.48 Andrea Hawcridge	37	10:56.47 Becky Oblatz	40
5:02.11 Heidi Harris	35	▪ 100 M. BACKSTROKE		2:41.14 Paula Pollard	36	10:56.78 Huddie Murray	43
5:03.69 Kathl Tetreault	38	1:15.00 CAROLINE KRATTLI	99	2:41.63 Dara Wilber	39	10:58.72 Meg May	41
5:07.12 Penny Bates	38	1:15.00 Caroline Krattli	37	2:42.70 Elizabet Halouzka	35	▪ 1500 M. FREESTYLE	
5:08.07 Nancy J Rose	38	1:18.00 K Pipes-Neilsen	37	2:43.86 Janna D Jensen	36	18:02.62 S HEIM-BOWEN	98
		1:20.44 Beth Scheimann	37	2:44.19 Beth Scheimann	37		

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

18:29.76 Robynn Masters	40	3:15.19 Pamela Rogers	42	35.20 Ann Guins	46
19:50.47 Allison Raap	41	3:16.74 Jill Whitney	42	36.10 Karlene Wise	46
20:04.60 Maggie Kinsella	42	3:17.86 Jo Ann Harrelson	43	37.09 R Brittingham	48
20:34.90 Joan Deffeyes	40	3:18.52 Wendy VanToll	42	37.15 Danielle Ogier	47
20:38.42 Sally Maddox	40	50 M. BUTTERFLY		37.85 Teri Hendryx	46
20:43.90 Tracy Grilli	42	30.17 LAURA VAL	95	38.15 Nancy Surdoval	46
20:51.44 Constance Hallett	40	31.51 Beth Knight	40	38.31 Denise Kirwan	47
21:02.33 Pam Martin	42	31.95 Traci Granger	41	100 M. BACKSTROKE	
21:10.24 Meg May	41	33.03 Jill Springer	40	1:12.38 LAURA VAL	97
21:39.78 Laurie Cotter	44	33.07 Grace Goddard	40	1:13.22 Laura Val	48
50 M. BACKSTROKE		33.09 Carol-Ann Hudson	42	1:14.75 Penny Noyes	45
31.55 LAURA VAL	93	33.55 Barb Handler	42	1:16.56 Danielle Ogier	47
33.38 Zena Courtney	40	33.68 Melinda Schmitt	41	1:18.29 Marilyn Fink	45
35.26 Sharon Wencel	40	33.87 Mary Hughes	41	1:18.46 Barbara Gundred	48
35.79 Mary Jackson	43	34.13 Patricia Thomas	41	1:18.47 Camill Panighetti	49
36.03 Tracy Grilli	42	34.22 Sharon Wencel	40	1:18.88 Carol Pflugheber	46
36.26 Debbie Cavanaugh	41	100 M. BUTTERFLY		1:19.69 Ann Guins	46
36.36 Jean Banks	43	1:06.86 LAURA VAL	93	1:20.93 Karlene Wise	46
36.63 Jan Boland	41	1:14.10 Huddie Murray	43	1:22.95 N Steadman-Martin	45
36.64 Carole Shigaki	44	1:16.65 Barb Handler	42	200 M. BACKSTROKE	
36.97 Morri Spang	43	1:16.83 Jill Springer	40	2:36.79 CECILIA MCCLOSKEY	97
37.03 Jill Springer	40	1:16.90 Laura Worden	42	2:38.54 Laura Val	48
100 M. BACKSTROKE		1:19.15 Tricia Moses	40	2:45.55 Danielle Ogier	47
1:10.45 LAURA VAL	95	1:19.16 Leslie J Henshaw	40	2:48.49 Barbara Gundred	48
1:11.10 Zena Courtney	40	1:20.89 Julie Paque	41	2:49.58 Nancy Fisher	48
1:13.22 Robynn Masters	40	1:21.12 Grace Goddard	40	2:52.75 Denise Kirwan	47
1:15.91 K Andrus-Hughes	42	1:21.59 Patricia Thomas	41	2:55.14 Teri Hendryx	46
1:18.66 Sharon Wencel	40	1:22.93 Rebecca Pyle	43	2:55.55 Karlene Wise	46
1:18.71 Mary Jackson	43	200 M. BUTTERFLY		2:55.57 N Steadman-Martin	45
1:18.82 Mary Mason	40	2:29.19 LAURA VAL	93	3:03.91 Ann Guins	46
1:19.00 Allison Raap	41	2:35.94 Suzann Heim-Bowen	41	3:07.31 Nancy Surdoval	46
1:19.37 Jill Springer	40	2:38.06 Robynn Masters	40	50 M. BREASTSTROKE	
1:20.00 Marilyn Early	42	2:54.68 Laura Worden	42	38.12 A WRIGHT-BELKNAT	96
1:20.23 Kim Goodwin	41	3:05.98 Jo Ann Harrelson	43	40.09 Danielle Ogier	47
200 M. BACKSTROKE		3:08.28 Patricia Thomas	41	40.85 Patricia Mattson	46
2:34.04 LAURA VAL	95	3:08.77 Rebecca A Pinto	44	41.49 Teri Hendryx	46
2:34.08 Robynn Masters	40	3:09.50 Frances H Reneau	40	41.51 C Gutierrez	46
2:35.19 Zena Courtney	40	3:12.62 Rebecca Pyle	43	42.12 Mary Gregorio	46
2:46.35 K Andrus-Hughes	42	3:13.49 Julie Paque	41	42.35 Cheryl Plantz	45
2:48.52 Sharon Wencel	40	3:15.86 Joan Deffeyes	40	42.40 Jessica Seaton	46
2:50.33 Kim Goodwin	41	100 M. INDIVIDUAL MEDLEY		43.78 B Anderson-Tomchi	47
2:54.32 Tracy Grilli	42	1:11.65 LAURA VAL	92	44.18 Ann Guins	46
2:54.45 Mag Bowen	41	1:12.27 Beth Knight	40	44.20 Fiona Atkinson	49
2:55.16 Jill Springer	40	1:14.01 S Neilson-Bell	43	100 M. BREASTSTROKE	
2:55.30 Debbie Cavanaugh	41	1:14.76 Zena Courtney	40	1:23.20 DEB WALKER	96
2:55.90 Jan Boland	41	1:16.55 Mary Jackson	43	1:26.97 Danielle Ogier	47
50 M. BREASTSTROKE		1:17.27 Tracy Grilli	42	1:28.14 Patricia Mattson	46
37.21 LISA BENNETT	96	1:17.48 Mary Hughes	41	1:28.76 Teri Hendryx	46
37.51 Lisa Bennett	43	1:17.69 Lisa Bennett	43	1:30.29 Robin Parisi	45
38.43 Pamela Rogers	42	1:18.82 Marilyn Early	42	1:30.91 C Gutierrez	46
39.16 Amy Cooley	43	1:18.87 Barb Handler	42	1:32.15 Jessica Seaton	46
39.96 Cokie Lepinski	40	1:19.11 Meg May	41	1:32.23 Diane Rothenberg	46
40.12 Barbara C Wheeler	42	200 M. INDIVIDUAL MEDLEY		1:34.87 Cheryl Plantz	45
40.15 Debbie Cavanaugh	41	2:33.89 LAURA VAL	92	1:35.15 B Anderson-Tomchi	47
40.28 Jill Whitney	42	2:39.64 S Neilson-Bell	43	1:35.45 Elin Zander	45
40.46 Meg May	41	2:42.37 Zena Courtney	40	200 M. BREASTSTROKE	
40.73 Renee Davies	42	2:47.37 Melinda Schmitt	41	3:00.27 DANIELLE OGIER	97
40.88 Tricia Moses	40	2:47.87 Judy Tibma	43	3:05.41 Danielle Ogier	47
100 M. BREASTSTROKE		2:49.11 Becky Oblatz	40	3:13.41 Patricia Mattson	46
1:21.44 JUDY TIBMA	96	2:50.79 Lisa Bennett	43	3:15.30 Teri Hendryx	46
1:22.45 Judy Tibma	43	2:52.30 Marilyn Early	42	3:17.70 Priscill Kawakami	49
1:23.34 Lisa Bennett	43	2:52.48 Meg May	41	3:18.14 Diane Rothenberg	46
1:24.11 Becky Oblatz	40	2:52.98 Barb Handler	42	3:22.45 Linda Carstens	47
1:25.44 Pamela Rogers	42	2:53.48 Cokie Lepinski	40	3:23.17 Cheryl Plantz	45
1:25.47 Amy Cooley	43	400 M. INDIVIDUAL MEDLEY		3:23.41 Elin Zander	45
1:25.57 Cokie Lepinski	40	5:22.59 ROBYNN MASTERS	99	3:25.85 Jessica Seaton	46
1:27.71 Huddie Murray	43	5:22.59 Robynn Masters	40	3:27.13 Ann McDermott	45
1:28.76 Debbie Cavanaugh	41	5:51.14 Zena Courtney	40	50 M. BUTTERFLY	
1:28.84 Jill Whitney	42	5:51.27 Huddie Murray	43	30.99 LAURA VAL	98
1:29.34 Kim Goodwin	41	6:00.03 Elaine Fincham	44	31.14 Laura B Val	47
200 M. BREASTSTROKE		6:08.20 Laura Worden	42	33.03 Penny Noyes	45
2:54.12 GAYLE BENTY	92	6:18.87 Pam Beck	42	34.13 R Brittingham	48
3:00.26 Becky Oblatz	40	6:19.03 Jo Ann Harrelson	43	34.15 Danielle Ogier	47
3:04.58 Lisa Bennett	43	6:20.04 Tracy Grilli	42	34.32 Carol Pflugheber	46
3:07.28 Cokie Lepinski	40	6:20.64 Patricia Thomas	41	34.65 Karlene Wise	46
3:10.93 Renee Davies	42	6:29.03 Julie Benz	42	35.64 Dale Williams	47
3:11.42 Leslie J Henshaw	40			35.93 Patricia Sargeant	46
3:14.21 Kim Goodwin	41			36.15 Barbara Prozman	45
		WOMEN 45-49			
				50 M. FREESTYLE	
				28.37 JACKI HIRSTY	97
				28.63 Penny Noyes	45
				28.78 Laura B Val	47
				29.61 Cynthi Stonesifer	47
				30.40 Karlene Wise	46
				30.52 R Brittingham	48
				30.90 Marilyn Fink	45
				31.03 Danielle Ogier	47
				32.02 Nancy Surdoval	46
				32.11 Kathi Bullock	46
				32.15 Ann Guins	46
				100 M. FREESTYLE	
				1:02.00 LAURA VAL	98
				1:02.60 Laura B Val	47
				1:05.87 Danielle Ogier	47
				1:05.99 Penny Noyes	45
				1:07.54 Robin Parisi	45
				1:07.55 R Brittingham	48
				1:09.02 Camill Panighetti	49
				1:09.71 Karlene Wise	46
				1:10.03 Denise Kirwan	47
				1:10.36 C Gutierrez	46
				1:10.41 Kathi Bullock	46
				200 M. FREESTYLE	
				2:16.83 LAURA VAL	97
				2:16.90 Laura Val	48
				2:20.51 Danielle Ogier	47
				2:27.49 Kathi Bullock	46
				2:28.80 R Brittingham	48
				2:29.84 Karlene Wise	46
				2:32.42 Robin Parisi	45
				2:32.74 C Gutierrez	46
				2:33.07 N Steadman-Martin	45
				2:37.56 Patricia Sargeant	46
				2:38.61 Karen Bierwert	47
				400 M. FREESTYLE	
				4:49.52 LAURA VAL	98
				5:04.56 Kathi Bullock	46
				5:11.63 Heidi Ernst	47
				5:20.76 Karlene Wise	46
				5:20.80 R Brittingham	48
				5:20.87 Camill Panighetti	49
				5:27.08 N Steadman-Martin	45
				5:28.40 Diane Rothenberg	46
				5:29.61 Karen Bierwert	47
				5:32.23 Priscill Kawakami	49
				5:36.12 Barbara Gundred	48
				800 M. FREESTYLE	
				10:08.72 DANIELLE OGIER	97
				10:30.01 Kathi Bullock	46
				10:38.88 Danielle Ogier	47
				11:21.65 Priscill Kawakami	49
				11:23.72 Karlene Wise	46
				11:24.54 Karen Bierwert	47
				11:24.71 Regin Brittingham	48
				11:36.17 Judith E Schwartz	45
				11:36.77 Pam Geiger	47
				11:59.41 Cynthia Jones	49
				12:16.55 Elin Zander	45
				1500 M. FREESTYLE	
				18:55.82 LAURA VAL	98
				19:41.23 Kathi Bullock	46
				20:01.09 Danielle Ogier	47
				20:52.57 Patricia Mattson	46
				21:03.34 N Steadman-Martin	45
				21:07.37 Karlene Wise	46
				21:29.36 Priscill Kawakami	49
				21:34.74 Karen Bierwert	47
				21:36.57 Sherry Kittrell	47
				21:37.02 R Brittingham	48
				22:02.65 Pam Geiger	47
				50 M. BACKSTROKE	
				32.67 LAURA VAL	99
				32.67 Laura B Val	47
				34.01 Penny Noyes	45
				35.08 Carol Pflugheber	46

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

36.58 Laurie Smith	47	1:09.71 F Williamson	51	1:31.49 Kathrine Casey	51	2:44.84 Barbara G Dunbar	50
• 100 M. BUTTERFLY		1:09.76 Barbara G Dunbar	50	1:32.42 Sue Lecarreux	54	3:17.53 Ginger Pierson	53
1:08.10 LAURA VAL	99	1:12.96 Marcia Barry	51	1:32.49 Susan Yeomans	51	3:25.43 Kathrine Casey	51
1:08.10 Laura B Val	47	1:14.12 Ann Lyttle	51	1:33.48 Linda McHenry	52	3:29.22 Kat Clark	50
1:15.94 Robin Parisi	45	1:14.84 Christie Altman	50	• 200 M. BACKSTROKE		3:32.04 Mary Pohlmann	54
1:16.00 Danielle Ogier	47	1:15.96 Kathrine Casey	51	2:48.88 ARDETH MUELLER	91	3:40.68 Susan Yeomans	51
1:18.40 Camill Panighetti	49	1:17.72 Irene Hart	50	3:02.85 Barbara G Dunbar	50	3:40.79 Sally Iliff	54
1:19.85 Karlene Wise	46	1:18.74 Jackie Quattro	52	3:05.49 S Beilman	50	3:41.67 Marji Thomas-Will	51
1:22.29 Kathi Bullock	46	1:18.81 Susan Yeomans	51	3:07.04 Kathrine Casey	51	3:42.78 Sandra Cathey	50
1:22.36 N Steadman-Martin	45	1:19.01 Meegan Wilson	51	3:07.71 Mary Pohlmann	54	3:43.08 Marie Vellucci	50
1:23.23 Barbara Protzman	45	• 200 M. FREESTYLE		3:09.85 Marcia Barry	51	• 100 M. INDIVIDUAL MEDLEY	
1:23.32 Dale Williams	47	2:28.67 BARBARA DUNBAR	99	3:11.78 Jeannie Mitchell	53	1:18.05 ARDETH MUELLER	91
1:23.33 Patricia Sargeant	46	2:28.67 Barbara G Dunbar	50	3:17.04 Constance Sasser	53	1:22.09 Barbara G Dunbar	50
• 200 M. BUTTERFLY		2:35.53 Marcia Barry	51	3:19.89 Sue Lecarreux	54	1:26.07 F Williamson	51
2:32.52 LAURA VAL	99	2:41.59 Ann Lyttle	51	3:19.91 Phyllis Springer	50	1:26.93 Susan Tyler	51
2:32.52 Laura Val	48	2:43.65 Suzanne Dills	54	3:21.71 Kat Clark	50	1:27.89 Ginger Pierson	53
2:56.06 Kathi Bullock	46	2:48.20 Linda McHenry	52	• 50 M. BREASTSTROKE		1:29.28 Marcia Barry	51
3:05.65 Teri Hendryx	46	2:48.24 Phyllis Springer	50	39.24 CAROLYN BOAK	95	1:30.46 Linda McHenry	52
3:11.93 Patricia Sargeant	46	2:48.89 Kathrine Casey	51	40.88 Dale Barnhard	52	1:31.40 Kat Clark	50
3:12.28 Barbara Protzman	45	2:51.05 Meegan Wilson	51	41.11 Ginger Pierson	53	1:32.21 Meegan Wilson	51
3:15.41 Catherine Quill	49	2:51.32 Christie Altman	50	43.13 F Williamson	51	1:32.59 Jeannie Mitchell	52
3:24.01 Laurie Smith	47	2:51.96 Susan Yeomans	51	43.31 Meegan Wilson	51	1:32.63 Susan Yeomans	51
3:24.67 Darlene Staley	49	• 400 M. FREESTYLE		43.43 Margot Pettijohn	53	• 200 M. INDIVIDUAL MEDLEY	
3:34.39 Jo Garuccio	48	5:09.43 BARBARA DUNBAR	99	45.86 Candy Christenson	52	2:52.49 BARBARA DUNBAR	99
3:48.62 Elspeth Stuckey	47	5:09.43 Barbara G Dunbar	50	46.02 Kat Clark	50	2:52.49 Barbara G Dunbar	50
• 100 M. INDIVIDUAL MEDLEY		5:24.60 Marcia Barry	51	46.14 Jackie Quattro	52	3:05.90 S Beilman	50
1:11.82 LAURA VAL	97	5:35.86 F Williamson	51	46.23 Chris Clum	53	3:13.18 Marcia Barry	51
1:14.31 Danielle Ogier	47	5:46.56 Suzanne Dills	54	46.42 Catherine Daniel	50	3:14.67 Susan Tyler	51
1:15.30 Penny Noyes	45	5:46.84 Ann Lyttle	51	• 100 M. BREASTSTROKE		3:15.63 Linda McHenry	52
1:16.03 Cynthia Stonesifer	47	5:55.07 Phyllis Springer	50	1:25.80 GINGER PIERSON	96	3:17.77 Alice Zabudsky	54
1:19.54 Robin Parisi	45	6:02.89 Alice Zabudsky	54	1:31.53 Dale Barnhard	52	3:18.65 Ginger Pierson	53
1:19.82 Karlene Wise	46	6:04.21 Nancy Puckett	50	1:31.90 Ginger Pierson	53	3:18.79 Mary Pohlmann	54
1:20.68 Marilyn Fink	45	6:06.77 Susan Yeomans	51	1:33.29 Meegan Wilson	51	3:20.57 Marji Thomas-Will	51
1:20.82 Kathi Bullock	46	6:08.68 Kathrine Casey	51	1:33.65 F Williamson	51	3:25.24 Susan Yeomans	51
1:21.43 Denise Kirwan	47	• 800 M. FREESTYLE		1:35.32 S Beilman	50	• 400 M. INDIVIDUAL MEDLEY	
1:23.13 Patricia Sargeant	46	10:47.96 BARBARA DUNBAR	99	1:36.28 Margot Pettijohn	53	5:56.24 ARDETH MUELLER	91
1:23.73 Barbara Gundred	48	10:47.96 Barbara G Dunbar	50	1:39.89 Kathrine Casey	51	6:01.25 Barbara G Dunbar	50
• 200 M. INDIVIDUAL MEDLEY		10:59.64 Marcia Barry	51	1:42.64 Sandra Cathey	50	6:36.54 Suzanne Dills	54
2:37.59 LAURA VAL	97	12:14.05 Kathrine Casey	51	1:43.37 Harriet Zucker	52	6:36.80 Kathrine Casey	51
2:40.75 Danielle Ogier	47	12:18.49 C Schroeder	50	1:44.53 Janit Romayko	54	6:58.41 Susan Tyler	51
2:47.00 Penny Noyes	45	12:30.70 Nancy Puckett	50	• 200 M. BREASTSTROKE		7:03.15 Susan Yeomans	51
2:50.68 Robin Parisi	45	12:37.37 Mary Pohlmann	54	3:08.06 GINGER PIERSON	96	7:05.81 Mary Pohlmann	54
2:52.07 Kathi Bullock	46	12:43.85 Marji Thomas-Will	51	3:17.72 Dale Barnhard	52	7:09.48 Margot Pettijohn	53
2:54.73 Patricia Mattson	46	13:02.32 Susan Yeomans	51	3:22.52 Ginger Pierson	53	7:10.18 Sandra Cathey	50
2:54.87 Heidi Ernst	47	13:05.40 Judy Gillies	51	3:23.76 Margot Pettijohn	53	7:14.63 Catherine Brooks	51
2:54.88 Karlene Wise	46	13:08.61 Jamie Stewart	50	3:24.09 Meegan Wilson	51	7:20.75 Constance Sasser	53
2:57.75 Patricia Sargeant	46	• 1500 M. FREESTYLE		3:24.84 F Williamson	51		
3:01.46 Barbara Protzman	45	19:59.03 BARBARA DUNBAR	99	3:25.87 Kat Clark	50	<u>WOMEN 55-59</u>	
3:02.96 Nancy Surdoval	46	19:59.03 Barbara G Dunbar	50	3:26.45 Kathrine Casey	51	• 50 M. FREESTYLE	
• 400 M. INDIVIDUAL MEDLEY		21:14.26 Marcia Barry	51	3:29.57 Chris Clum	53	30.37 ARDETH MUELLER	96
5:33.37 LAURA VAL	99	22:25.53 Gwen Deely	50	3:36.01 Alice-H Adams	53	31.97 Nancy Ridout	57
5:33.37 Laura Val	48	22:40.33 Kathrine Casey	51	3:37.57 Susan Maguire	50	32.75 Joy Ward	57
5:48.69 Danielle Ogier	47	22:59.11 Phyllis Springer	50	• 50 M. BUTTERFLY		32.75 Jackie Marr	56
5:57.76 Kathi Bullock	46	24:49.89 Vicki Buccino	53	33.85 DIANA TODD	94	33.11 Barbara Frid	57
6:14.25 Karlene Wise	46	25:08.33 Sandra Cathey	50	35.52 Barbara G Dunbar	50	33.52 Beth Schreiner	58
6:15.77 Patricia Mattson	46	25:41.24 Constance Sasser	53	35.58 Susan Tyler	51	36.09 Sue Calnek-Morris	56
6:23.63 Teri Hendryx	46	25:51.83 Winifred Prall	52	37.18 Sandi Rousseau	52	36.92 Nancy Brooke	57
6:26.84 Karen Bierwert	47	25:52.69 Condit Lotz	51	37.54 Lois Goodman	52	37.89 Joyce Kowalski	57
6:39.02 Priscill Kawakami	49	• 50 M. BACKSTROKE		38.65 Bridget Edelmaier	53	39.42 Daniela Barnea	55
6:52.50 Pam Geiger	47	36.49 MIMI FRANK	97	39.04 C Schroeder	50	39.65 Francesca Drum	58
6:53.39 Darlene Staley	49	39.68 Susan Maguire	50	39.35 Jamie Stewart	50	• 100 M. FREESTYLE	
		39.87 Jeannie Mitchell	53	39.49 Ginger Pierson	53	1:10.97 ARDETH MUELLER	98
<u>WOMEN 50-54</u>		39.88 S Beilman	50	39.78 Margot Pettijohn	53	1:12.83 Jackie Marr	56
• 50 M. FREESTYLE		40.93 F Williamson	51	40.26 Christie Altman	50	1:12.97 Nancy Ridout	57
30.48 NANCY RIDOUT	92	41.20 Mary Pohlmann	54	• 100 M. BUTTERFLY		1:18.00 Joy Ward	57
32.01 F Williamson	51	41.43 Ginger Pierson	53	1:12.66 ARDETH MUELLER	91	1:20.84 Beth Schreiner	58
32.41 Barbara G Dunbar	50	41.50 Marcia Barry	51	1:15.86 Barbara G Dunbar	50	1:21.12 Sue Calnek-Morris	56
32.60 Christie Altman	50	41.66 Jamie Stewart	50	1:23.82 S Beilman	50	1:27.52 Joyce Kowalski	57
33.14 Linda McHenry	52	42.51 Constance Sasser	53	1:24.75 Susan Tyler	51	1:28.09 Marilyn Ramey	59
33.33 Marcia Barry	51	42.86 Linda McHenry	52	1:31.83 Sandi Rousseau	52	1:28.71 Marcia Hill	55
33.71 Susan Maguire	50	• 100 M. BACKSTROKE		1:35.08 Kat Clark	50	1:29.37 Kathleen Sarg	56
33.73 Kathrine Casey	51	1:20.50 ARDETH MUELLER	91	1:35.62 Jamie Stewart	50	1:30.19 Peggy White	56
33.81 Ann Lyttle	51	1:27.25 Mary Pohlmann	54	1:38.68 Susan Yeomans	51	• 200 M. FREESTYLE	
34.06 Meegan Wilson	51	1:29.00 Marcia Barry	51	1:39.45 Kathrine Casey	51	2:28.30 ARDETH MUELLER	96
34.13 Susan Tyler	51	1:29.51 Jeannie Mitchell	53	1:40.38 Sue Lecarreux	54	2:42.61 Nancy Ridout	57
• 100 M. FREESTYLE		1:30.40 C Schroeder	50	1:40.53 Christie Altman	50	2:45.41 Jackie Marr	56
1:06.41 ARDETH MUELLER	91	1:30.44 Constance Sasser	53	• 200 M. BUTTERFLY		2:58.28 Sue Calnek-Morris	56
		1:30.45 Meredith Moore	50	2:44.84 BARBARA DUNBAR	99		

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

3:07.64 Pamela Himstreet 56	3:59.57 Barbara I Paulson 56	1:38.40 Nancy Brooke 57	11:30.55 LAVELLE STOINOFF 93
3:12.71 Beth Schreiner 58	• 50 M. BREASTSTROKE	1:41.82 Joyce Kowalski 57	12:47.73 Susan L Munn 61
3:12.97 Marcia Hill 55	40.69 JAYNE BRUNER 91	1:41.91 Ceil Blackwell 59	13:00.46 Betsy T Jordan 62
3:18.47 Kathleen Sarg 56	44.04 Daniela Barnea 55	1:42.60 Millie Larson 59	13:04.76 Claire O'Brien 60
3:20.37 Aagje Caron 58	44.24 Nancy Brooke 57	• 200 M. INDIVIDUAL MEDLEY	13:14.92 Susan Bradley-Cox 62
3:22.33 Peggy Whiter 56	48.47 Francesca Drum 58	2:52.43 ARDETH MUELLER 97	13:36.93 Beverly Myers 64
3:25.17 Marie Mainville 58	50.38 Marilyn Ramey 59	3:09.15 Jackie Marr 56	14:07.21 Susan Livingston 61
• 400 M. FREESTYLE	50.69 Pamela Himstreet 56	3:24.86 Daniela Barnea 55	14:11.13 Mary Alvarez 60
5:15.91 ARDETH MUELLER 96	51.79 Rita Egan 55	3:36.09 Pamela Himstreet 56	14:23.54 Jan Miller 61
5:19.25 Nancy Ridout 57	52.70 Joyce Kowalski 57	3:39.97 Sandy Etnyre 58	14:38.21 Patricia Tullman 62
6:03.98 Barbara Frid 57	54.16 Kathleen Sarg 56	3:43.38 Marilyn Ramey 59	14:45.08 Barbara Bower 61
6:08.43 Sue Calnek-Morris 56	54.18 Ine Wijtvliet 55	3:46.59 Joyce Kowalski 57	• 1500 M. FREESTYLE
6:38.57 Marcia Hill 55	55.17 Lynne D Taft 57	4:00.87 Kitty Johnston 57	22:54.51 LAVELLE STOINOFF 94
6:47.96 Aagje Caron 58	• 100 M. BREASTSTROKE	4:01.88 Roswita Norris 57	24:44.53 Claire O'Brien 60
6:48.01 Pamela Himstreet 56	1:29.88 JOANN LEILICH 94	4:02.18 Ann Onton 56	24:51.99 Betsy Jordan 62
6:55.42 Tita Arnold 58	1:35.47 Daniela Barnea 55	4:07.61 Peggje Hodge 59	24:57.19 Susan Bradley-Cox 62
7:07.33 Marie Mainville 58	1:37.58 Nancy Brooke 57	• 400 M. INDIVIDUAL MEDLEY	26:26.26 Susan Livingston 61
7:12.49 Bentley Marane 56	1:39.12 Barbara Frid 57	6:34.76 JACKIE MARR 98	27:37.12 Elizabeth Johnson 60
7:13.02 Marilyn Ramey 59	1:45.12 Pamela Himstreet 56	6:41.98 Jackie Marr 56	28:00.62 Barbara Bower 61
• 800 M. FREESTYLE	1:46.75 Aagje Caron 58	7:32.12 Pamela Himstreet 56	28:08.58 Patricia Tullman 62
11:10.40 ARDETH MUELLER 98	1:49.04 Carolyn Behse 56	7:44.42 Sandy Etnyre 58	28:10.77 Sylvia Glenn 62
12:16.11 Sue Calnek-Morris 56	1:49.32 Marilyn Ramey 59	7:52.01 Marcia Hill 55	29:12.22 Jean Sterling 63
12:22.27 Barbara Frid 57	1:50.90 Sandy Etnyre 58	7:56.41 Aagje Caron 58	30:56.83 Ingrid Stine 60
13:18.58 Ann Schober 55	1:53.76 Marlee Valderhaug 58	8:07.47 Marilyn Ramey 59	• 50 M. BACKSTROKE
13:47.34 Pamela Himstreet 56	1:54.74 Rita Egan 55	8:33.08 Ann Onton 56	38.74 BETSY JORDAN 97
13:57.01 Tita Arnold 58	• 200 M. BREASTSTROKE	8:35.99 Roswita Norris 57	41.31 Betsy Jordan 62
14:25.61 Marie Mainville 58	3:14.71 JOANN LEILICH 97		44.60 Nancy Brown 63
14:32.43 Peggy Whiter 56	3:25.70 Daniela Barnea 55	<u>WOMEN 60-64</u>	45.00 Susan Livingston 61
14:46.57 Carolyn Behse 56	3:34.06 Nancy Brooke 57	• 50 M. FREESTYLE	45.33 Beverly Myers 64
14:49.16 Bentley Marane 56	3:35.53 Jackie Marr 56	33.07 JAYNE BRUNER 95	45.68 Barbara Zaremski 62
15:00.73 Marlee Valderhaug 58	3:38.25 Pamela Himstreet 56	35.76 Jayne Lambke 60	46.20 Mary Alvarez 60
• 1500 M. FREESTYLE	3:48.27 Aagje Caron 58	37.28 Claire O'Brien 60	46.39 Claire O'Brien 60
21:35.84 LAVELLE STOINOFF 89	3:54.43 Marilyn Ramey 59	37.31 Barbara Zaremski 61	46.78 Patricia Tullman 62
23:20.77 Barbara Frid 57	3:59.21 Marcia Hill 55	37.52 Charlotte Jenkins 60	46.84 Judy Kennedy 60
25:55.02 Pamela Himstreet 56	4:07.11 Roswita Norris 57	37.81 Mary Gidley 62	48.21 Margit Jebe 61
26:04.47 Tita Arnold 58	4:08.34 Marlee Valderhaug 58	37.94 Mary Alvarez 60	• 100 M. BACKSTROKE
26:18.18 Jennifer Parks 56	4:11.63 Barbara I Paulson 56	38.20 Sally Newell 62	1:24.16 BETSY JORDAN 97
27:36.11 Marilyn Ramey 59	• 50 M. BUTTERFLY	38.31 Parricia Tullman 62	1:30.07 Betsy Jordan 62
27:42.80 Marie Mainville 58	33.66 ARDETH MUELLER 97	38.73 Beverly Myers 64	1:38.57 Susan Livingston 61
28:16.57 Marlee Valderhaug 58	35.78 Joy Ward 57	38.73 Betsy Jordan 62	1:38.80 Barbara Zaremski 62
28:18.99 Sandy Etnyre 58	36.78 Sarah L Brougher 58	• 100 M. FREESTYLE	1:40.17 Susan L Munn 61
28:48.11 Bentley Marane 56	37.64 Nancy Ridout 57	1:13.50 JAYNE BRUNER 96	1:41.02 Mary Alvarez 60
29:53.84 Charlotte Cowan 59	38.56 Barbara Frid 57	1:20.51 Jayne Lambke 60	1:41.69 Margit Jebe 61
• 50 M. BACKSTROKE	43.63 Millie Larsen 59	1:21.26 Susan L Munn 61	1:43.57 Judy Kennedy 60
37.92 BETSY JORDAN 92	43.93 Daniela Barnea 55	1:22.34 Claire O'Brien 60	1:45.69 Patricia Tullman 62
40.15 Joy Ward 57	46.54 Sandy Etnyre 58	1:23.49 Charlotte Jenkins 60	1:52.18 Miek Mc Cubbin 64
40.92 Barbara Frid 57	48.36 Marilyn Ramey 59	1:24.36 Nancy Brown 63	1:53.29 Susan Springer 61
41.56 Jane Katz 56	48.77 Ann Onton 56	1:24.92 Mary Alvarez 60	• 200 M. BACKSTROKE
44.29 Chris Gilligan 56	49.29 Joyce Kowalski 57	1:25.45 Barbara Zaremski 62	3:05.27 BETSY JORDAN 97
45.37 Nancy Brooke 57	• 100 M. BUTTERFLY	1:25.85 Beverly Myers 64	3:23.95 Nancy Brown 63
47.12 Francesca Drum 58	1:18.75 ARDETH MUELLER 97	1:26.82 Patricia Tullman 62	3:26.83 Susan Livingston 61
47.90 Marilyn Ramey 59	1:33.08 Jackie Marr 56	1:31.37 Miek Mc Cubbin 64	3:35.04 Mary Alvarez 60
48.96 Ceil Blackwell 59	1:48.27 Carolyn Behse 56	• 200 M. FREESTYLE	3:38.75 Barbara Zaremski 62
51.86 Ardith K Phares 55	1:50.04 Pamela Himstreet 56	2:39.92 LAVELLE STOINOFF 93	3:43.53 Judy Kennedy 60
52.08 Martha Davis 58	1:50.19 Joyce Kowalski 57	2:53.65 Susan L Munn 61	3:47.89 Patricia Tullman 62
• 100 M. BACKSTROKE	1:51.50 Ann Onton 56	2:56.02 Claire O'Brien 60	3:51.35 Susan Springer 61
1:21.90 BETSY JORDAN 92	1:54.35 Marilyn Ramey 59	3:02.45 Jayne Lambke 60	3:56.98 Ann McDonnell 61
1:30.31 Barbara Frid 57	1:55.71 Kitty Johnston 57	3:02.50 Betsy Jordan 62	3:59.32 Barbara Bower 61
1:30.36 Joy Ward 57	1:55.82 Marcia Hill 55	3:03.49 Nancy Brown 63	4:02.12 Ruth Stavis 62
1:32.29 Jane Katz 56	1:56.96 Aagje Caron 58	3:08.75 Mary Alvarez 60	• 50 M. BREASTSTROKE
1:35.17 Chris Gilligan 56	2:05.40 Peggje Hodge 59	3:09.50 Charlotte Jenkins 60	41.74 JAYNE BRUNER 96
1:42.43 Ceil Blackwell 59	• 200 M. BUTTERFLY	3:12.96 Patricia Tullman 62	46.97 Sally Newell 62
1:46.53 Marilyn Ramey 59	2:55.05 ARDETH MUELLER 96	3:13.35 Beverly Myers 64	47.00 Margit Jebe 61
1:52.48 Marcia Hill 55	3:24.27 Jackie Marr 56	3:13.73 Barbara Zaremski 61	48.24 Jacquelyn Piper 62
1:54.03 Roswita Norris 57	3:47.73 Carolyn Behse 56	• 400 M. FREESTYLE	48.36 Beverly Myers 64
1:57.00 Jo Ann Chapman 55	3:52.35 Pamela Himstreet 56	5:38.06 LAVELLE STOINOFF 93	48.44 Susanne Schumann 62
1:57.66 Ardith K Phares 55	4:10.09 Ann Marie Onton 55	6:13.32 Claire O'Brien 60	50.51 Jean Sterling 63
• 200 M. BACKSTROKE	4:19.26 Aagje Caron 58	6:16.00 Susan L Munn 61	50.55 Claire O'Brien 60
3:00.66 BETSY JORDAN 92	4:29.31 Lynne D Taft 57	6:20.10 Nancy Brown 63	52.37 Barbara Zaremski 62
3:05.51 Jackie Marr 56	5:23.51 Pamela McCarron 59	6:21.25 Betsy Jordan 62	52.94 Alice Jones 61
3:16.57 Jane Katz 56	• 100 M. INDIVIDUAL MEDLEY	6:26.77 Susan Bradley-Cox 62	54.15 Sandra Kremer 63
3:21.13 Chris Gilligan 56	1:24.19 JAYNE BRUNER 89	6:31.27 Jayne Lambke 60	• 100 M. BREASTSTROKE
3:25.96 Barbara Frid 57	1:25.82 Jackie Marr 56	6:36.92 Barbara Zaremski 62	1:34.63 JAYNE BRUNER 96
3:49.97 Millie Larsen 59	1:28.38 Joy Ward 57	6:46.78 Charlotte Jenkins 60	1:42.60 Margit Jebe 61
3:51.96 Marcia Hill 55	1:28.70 Barbara Frid 57	6:49.69 Beverly Myers 64	1:44.32 Beverly Myers 64
3:52.85 Marilyn Ramey 59	1:34.74 Jane Katz 56	6:53.80 Elizabeth Johnson 60	1:45.66 Sally Newell 62
3:57.96 Ann Onton 56	1:36.86 Daniela Barnea 55	• 800 M. FREESTYLE	1:46.29 Susanne Schumann 62
3:58.16 Roswita Norris 57	1:36.95 Chris Gilligan 56		1:47.50 Jacquelyn Piper 62

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

1:50.10 Jan Miller	61	7:42.73 Jan Miller	61	31:57.18 Ann Shenck Dallam	69	44.12 Ronnie Kamphausen	65
1:52.79 Barbara Zaremski	62	7:44.86 Barbara Zaremski	62	31:58.54 Nancy Waite	65	47.83 Barbara Callison	66
1:55.27 Anice Flesh	63	8:32.47 Margaret Franco	61	32:49.29 D J Murray	69	48.50 Adrienne Pipes	65
1:57.11 Carol Reinke	63	8:37.13 Ingrid Stine	60	34:12.78 Barbara Atwood	66	50.39 Lida Gaschke	67
1:58.12 Sandra Kremer	63	8:45.46 Patricia Arnold	60	50 M. BACKSTROKE		51.36 Jean Garbus	65
• 200 M. BREASTSTROKE		9:25.51 Doris Prokopi	64	40.48 DORIS STEADMAN	89	53.94 Nancy Meissner	66
3:18.34 JOANN LEILICH	99	9:48.10 Marianne Brogan	64	46.92 Ronnie Kamphausen	65	54.68 Jill Coleman	69
3:18.34 Joann Leilich	60			50.70 Janet Edwards	68	55.54 Gay Collins	69
3:42.47 Margit Jebe	61	<u>WOMEN 65-69</u>		50.95 Mary Clarke	67	55.68 Ann Shenck Dallam	69
3:47.51 Beverly Myers	64	• 50 M. FREESTYLE		52.06 Jill Coleman	69	57.64 Malchia Olshan	68
3:49.96 Susanne Schumann	62	34.17 GAIL ROPER	96	52.13 Lida Gaschke	67	• 100 M. BUTTERFLY	
3:52.04 Elizabeth Johnson	60	36.06 Ronnie Kamphausen	65	52.44 Ardis Bourland	67	1:33.10 GAIL ROPER	95
3:52.80 Sally Newell	62	37.24 Barbara Merin	65	53.06 Barbara Atwood	66	1:47.57 Ronnie Kamphausen	65
4:05.68 Anice Flesh	63	39.12 Jean Garbus	65	54.10 Mary Jane Mullins	68	1:51.80 Ann M Hirsch	68
4:09.75 Barbara Zaremski	62	39.65 Diane Reed	68	54.78 Gay Collins	69	2:02.38 Barbara Callison	66
4:12.29 Jean Sterling	63	40.15 Barbara Callison	66	55.51 Nancy Waite	65	2:03.27 Janet Moeller	65
4:12.49 Carol Reinke	63	40.46 Lida Gaschke	67	• 100 M. BACKSTROKE		2:05.51 Malchia Olshan	68
• 50 M. BUTTERFLY		40.83 Nancy Waite	65	1:30.41 DORIS STEADMAN	89	2:06.75 Lilly Kron	68
38.30 JAYNE BRUNER	95	42.52 Gay Collins	69	1:43.31 Ronnie Kamphausen	65	2:09.02 Nancy Meissner	66
40.13 Betsy Jordan	62	43.31 Adrienne Pipes	65	1:50.39 Jill Coleman	69	2:20.61 Ann Shenck Dallam	69
41.82 Jayne Lambke	60	43.43 Ardis Bourland	67	1:50.96 Lida Gaschke	67	2:26.94 Cynthia Rosik	66
42.82 Charlotte Jenkins	60	• 100 M. FREESTYLE		1:51.96 Mary Clarke	67	2:31.90 Nancy McPhee	66
43.43 Nancy Brown	63	1:16.26 GAIL ROPER	96	1:53.28 Mary Jane Mullins	68	• 200 M. BUTTERFLY	
44.40 Beverly Myers	64	1:28.81 Barbara Merin	65	1:59.12 Barbara Atwood	66	3:32.93 JUNE KRAUSER	95
45.15 Claire O'Brien	60	1:29.30 Jean Garbus	65	2:00.04 Nancy Meissner	66	4:02.19 Ann M Hirsch	68
46.13 Mary Gidley	62	1:29.99 Diane Reed	68	2:01.14 Joan Campbell	69	4:19.35 Lilly Kron	68
46.19 Susan Livingston	61	1:30.69 Barbara Callison	66	2:03.31 Ruth Farnham	69	4:31.76 Malchia Olshan	68
47.06 Margit Jebe	61	1:32.39 Lida Gaschke	67	2:03.89 Margaret Homans	66	4:50.26 Joan Campbell	69
49.26 Barbara Zaremski	62	1:34.00 Ann M Hirsch	68	• 200 M. BACKSTROKE		5:14.92 Janet Moeller	65
• 100 M. BUTTERFLY		1:35.45 Adrienne Pipes	65	3:15.72 DORIS STEADMAN	89	5:56.32 Mary Williams	68
1:32.19 JAYNE BRUNER	95	1:35.52 Ronnie Kamphausen	65	3:41.57 Ronnie Kamphausen	65	• 100 M. INDIVIDUAL MEDLEY	
1:36.99 Betsy Jordan	62	1:38.67 Donna Monroe	65	3:56.66 Jill Coleman	69	1:28.95 GAIL ROPER	96
1:39.76 Susan L Munn	61	1:40.31 Margaret Homans	66	3:59.54 Mary Jane Mullins	68	1:44.02 Ronnie Kamphausen	65
1:40.35 Jayne Lambke	60	• 200 M. FREESTYLE		4:06.98 Joan Campbell	69	1:44.57 Ann M Hirsch	68
1:41.94 Margit Jebe	61	2:54.15 GAIL ROPER	96	4:10.69 Barbara Atwood	66	1:45.20 Jean Garbus	65
1:45.80 Susan Livingston	61	3:15.44 Ronnie Kamphausen	65	4:28.66 Ruth Farnham	69	1:46.03 Lida Gaschke	67
1:54.93 Barbara Zaremski	62	3:21.95 Jean Garbus	65	4:34.92 Nancy Meissner	66	1:52.88 Diane Reed	68
1:55.98 Patricia Tullman	62	3:22.25 Ann M Hirsch	68	4:39.37 Eileen Kelly	66	1:56.99 Jill Coleman	69
2:07.19 Dot J Myers	63	3:24.56 Barbara Merin	65	4:45.66 D J Murray	69	1:57.84 Adrienne Pipes	65
2:19.91 Helen Bayly	62	3:26.73 Barbara Callison	66	4:46.08 Beverl Lesperance	67	1:59.77 Gay Collins	69
2:22.80 Doris Prokopi	64	3:27.22 Malchia Olshan	68	• 50 M. BREASTSTROKE		1:59.91 Joan Campbell	69
• 200 M. BUTTERFLY		3:27.68 Diane Reed	68	46.57 GAIL ROPER	95	2:01.65 Ardis Bourland	67
3:30.11 BETSY JORDAN	98	3:31.04 Adrienne Pipes	65	48.74 Ann M Hirsch	68	• 200 M. INDIVIDUAL MEDLEY	
3:55.83 Susan Livingston	61	3:32.93 Donna Monroe	65	51.57 S Anderson	66	3:18.77 CLARA WALKER	91
4:10.05 Elizabeth Johnson	60	3:34.00 Joan Campbell	69	51.70 Lilly Kron	68	3:42.76 Ann M Hirsch	68
4:20.10 Ingrid Stine	60	• 400 M. FREESTYLE		52.71 Jean Garbus	65	3:43.71 Ronnie Kamphausen	65
4:25.38 Barbara Zaremski	62	6:13.42 CLARA WALKER	92	55.00 Lida Gaschke	67	3:46.09 Barbara Callison	66
4:31.80 Patricia Tullman	62	6:30.11 Ronnie Kamphausen	65	56.19 Hannelore Snyder	69	3:51.29 Lida Gaschke	67
4:59.46 Doris Prokopi	64	7:07.03 Ann M Hirsch	68	56.99 Ann Shenck Dallam	69	3:54.75 Jean Garbus	65
• 100 M. INDIVIDUAL MEDLEY		7:07.38 Lida Gaschke	67	1:02.38 Cynthia Rosik	66	4:10.32 Malchia Olshan	68
1:26.42 JAYNE BRUNER	96	7:13.96 Barbara Callison	66	1:03.05 Jill Coleman	69	4:10.76 Adrienne Pipes	65
1:31.63 Betsy Jordan	62	7:15.28 Adrienne Pipes	65	1:03.35 Barbara Atwood	66	4:13.73 Joan Campbell	69
1:35.60 Jayne Lambke	60	7:16.01 Donna Monroe	65	• 100 M. BREASTSTROKE		4:33.87 Mary Jane Mullins	68
1:36.33 Beverly Myers	64	7:17.37 Diane Reed	68	1:41.41 GAIL ROPER	95	4:41.19 Barbara Atwood	66
1:36.86 Claire O'Brien	60	7:18.53 Barbara Merin	65	1:44.74 Ann M Hirsch	68	• 400 M. INDIVIDUAL MEDLEY	
1:39.78 Margit Jebe	61	7:21.34 Malchia Olshan	68	1:49.03 Lilly Kron	68	7:07.69 GAIL ROPER	96
1:41.66 Charlotte Jenkins	60	7:31.17 Joan Campbell	69	1:56.31 S Anderson	66	7:45.26 Ronnie Kamphausen	65
1:43.60 Sally Newell	62	• 800 M. FREESTYLE		1:56.41 Lida Gaschke	67	8:07.90 Ann M Hirsch	68
1:45.82 Patricia Tullman	62	12:35.26 CLARA WALKER	92	2:00.47 Ronnie Kamphausen	65	8:49.65 Joan Campbell	69
1:48.58 Jean Sterling	63	13:29.40 Ronnie Kamphausen	65	2:02.27 Jean Garbus	65	9:17.64 Janet Moeller	65
1:49.78 Carol Reinke	63	14:22.25 Lida Gaschke	67	2:02.45 Janet Moeller	65	9:52.65 Ann Shenck Dallam	69
• 200 M. INDIVIDUAL MEDLEY		14:27.17 Ann M Hirsch	68	2:07.62 Hannelore Snyder	69	10:15.18 Nancy McPhee	66
3:14.28 CLARA WALKER	90	14:49.93 Donna Monroe	65	2:10.01 Joan Campbell	69	10:47.61 Mary Williams	68
3:22.93 Betsy Jordan	62	15:00.83 Malchia Olshan	68	2:11.31 Jill Coleman	69		
3:30.02 Beverly Myers	64	15:04.34 Joan Campbell	69	• 200 M. BREASTSTROKE		<u>WOMEN 70-74</u>	
3:33.02 Margit Jebe	61	16:28.94 Janet Moeller	65	3:41.93 GAIL ROPER	95	• 50 M. FREESTYLE	
3:34.18 Susan L Munn	61	16:36.25 Jean M Duncan	66	3:49.55 Lilly Kron	68	35.37 GAIL ROPER	99
3:45.28 Barbara Zaremski	61	16:37.46 Lilly Kron	68	3:49.79 Ann M Hirsch	68	35.37 Gail Roper	70
3:48.15 Elizabeth Johnson	60	16:58.73 Nancy Waite	65	4:30.59 Janet Moeller	65	38.45 Nancy MacBeth	70
3:55.95 Margret Franko	61	• 1500 M. FREESTYLE		4:30.62 Margaret Homans	66	38.80 Jean Troy	72
4:02.28 Dot J Myers	63	23:38.44 CLARA WALKER	92	4:38.05 Joan Campbell	69	40.28 Nanette Bohl	70
4:11.41 Caryl Simon	62	27:27.00 Lida Gaschke	67	4:40.54 Joyce Voit	65	40.30 Florence Carr	74
4:12.16 Mary Gidley	62	28:07.76 Joan Campbell	69	4:44.99 Donna Monroe	65	41.62 Edie Gruender	71
• 400 M. INDIVIDUAL MEDLEY		28:14.62 Malchia Olshan	68	4:45.42 Hannelore Snyder	69	41.75 June Krauser	73
6:58.40 BETSY JORDAN	98	31:08.76 Lilly Kron	68	4:56.50 Rosie Vijil	65	42.09 Barbara Jackson	70
7:08.28 Betsy T Jordan	62	31:29.99 Janet Moeller	65	4:58.59 Ann Shenck Dallam	69	43.87 Cynthia Bruce	71
7:17.79 Nancy Brown	63	31:49.35 Mary Jane Mullins	68	• 50 M. BUTTERFLY		46.67 S Hasselbacher	73
7:34.52 Susan Livingston	61			38.44 GAIL ROPER	95		

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

<ul style="list-style-type: none"> ▪ 100 M. FREESTYLE 1:18.67 GAIL ROPER 99 1:18.67 Gail Roper 70 1:25.01 Jean Troy 72 1:30.35 June Krauser 73 1:35.42 Nanette Bohl 70 1:37.14 Edie Gruender 71 1:38.38 Florence Carr 74 1:42.32 Mary Ann Meekins 73 1:43.46 Suzanne Graham 72 1:48.62 Asako Maningo 74 2:01.16 Peggy Sanborn 72 ▪ 200 M. FREESTYLE 3:00.74 GAIL ROPER 99 3:00.74 Gail Roper 70 3:16.14 June Krauser 73 3:17.64 Jean Troy 72 3:33.73 Edie Gruender 71 3:35.60 Nanette Bohl 70 3:36.82 Nancy Durstein 70 3:37.28 Florence Carr 74 3:44.64 Ruth Aaron 70 3:52.83 Nancy Reed 72 4:02.96 Joan McIntyre 71 ▪ 400 M. FREESTYLE 6:27.21 GAIL ROPER 99 6:27.21 Gail Roper 70 6:41.46 June Krauser 73 7:22.55 Nancy Durstein 70 7:26.31 Edie Gruender 71 7:43.39 Ruth Aaron 70 8:07.27 Florence Carr 74 8:17.92 Nancy Reed 72 8:44.42 Peggy Sanborn 72 9:08.08 Hedy Esposito 72 9:22.31 Flora Wong 72 ▪ 800 M. FREESTYLE 13:07.28 JUNE KRAUSER 96 13:50.22 June Krauser 73 15:33.95 Nancy Durstein 70 15:34.19 Edie Gruender 71 16:09.51 Ruth Aaron 70 16:46.26 Nancy Reed 72 17:14.99 Joan McIntyre 71 17:29.16 Peggy Sanborn 72 17:57.09 Florence Carr 74 18:10.55 Marian Wolle 71 18:23.97 Ruth Hoskinson 70 ▪ 1500 M. FREESTYLE 24:57.85 JUNE KRAUSER 96 25:40.21 Gail Roper 70 25:58.53 June Krauser 73 29:18.73 Nancy Durstein 70 30:20.08 Ruth Aaron 70 32:12.39 Nancy Reed 72 32:36.22 Joan McIntyre 71 32:41.39 Peggy Sanborn 72 33:29.27 Florence Carr 74 36:50.81 Loys Green 73 38:47.22 Bea T Heim 74 ▪ 50 M. BACKSTROKE 42.58 DORIS STEADMAN 95 45.30 Gail Roper 70 46.45 Barbara Jackson 70 46.54 Nancy MacBeth 70 49.73 June Krauser 73 51.10 Cynthia Bruce 71 51.45 Betty Russ 72 51.94 Florence Carr 74 53.11 M J Amsbary 74 53.40 Asako Maningo 74 55.55 Nanette Bohl 70 ▪ 100 M. BACKSTROKE 1:35.66 DORIS STEADMAN 95 1:39.59 Nancy MacBeth 70 1:43.12 Barbara Jackson 70 1:48.01 June Krauser 73 1:55.88 Betty Russ 72 	<ul style="list-style-type: none"> 1:58.12 Nanette Bohl 70 1:58.58 Edie Gruender 71 1:59.50 Peggy Sanborn 72 2:00.89 Nancy Durstein 70 2:01.02 Cynthia Bruce 71 2:02.97 Joan McIntyre 71 ▪ 200 M. BACKSTROKE 3:27.79 DORIS STEADMAN 95 3:35.41 Nancy MacBeth 70 3:46.62 June Krauser 73 3:50.70 Barbara Jackson 70 4:06.98 Joan McIntyre 71 4:12.68 Peggy Sanborn 72 4:18.62 Nancy Durstein 70 4:31.47 Florence Carr 74 4:53.32 Marian Wolle 71 5:07.56 Flora Wong 72 5:07.84 Joan Hornyan 73 ▪ 50 M. BREASTSTROKE 48.47 GAIL ROPER 99 48.47 Gail Roper 70 54.26 June Krauser 73 55.82 Nan Bohl 70 56.08 M J Amsbary 74 56.88 Suzanne Graham 72 59.33 Florence Carr 74 1:00.33 Barbara Jackson 70 1:00.70 Betty Russ 72 1:01.30 Mary Ann Meekins 73 1:01.92 Georgia Goggin 70 ▪ 100 M. BREASTSTROKE 1:46.23 GAIL ROPER 99 1:46.23 Gail Roper 70 1:57.54 June Krauser 73 2:01.95 Nanette Bohl 70 2:02.52 Mj Amsbary 74 2:06.51 Suzanne Graham 72 2:08.64 Edie Gruender 71 2:11.21 Betty Russ 72 2:12.29 Ruth Aaron 70 2:16.75 Georgia Goggin 70 2:19.48 Bunny S Dawson 71 ▪ 200 M. BREASTSTROKE 3:51.22 GAIL ROPER 99 3:49.85 Gail Roper 70 4:12.36 June Krauser 73 4:26.46 M J Amsbary 74 4:29.56 Nan Bohl 70 4:39.57 Ruth Aaron 70 4:40.67 Betty Russ 72 4:49.48 Nancy Durstein 70 4:51.62 Gladys Olsen 73 5:02.72 Dixie C Germolus 71 5:11.24 Nancy Reed 72 ▪ 50 M. BUTTERFLY 40.66 GAIL ROPER 99 40.66 Gail Roper 70 46.99 June Krauser 73 48.81 Edie Gruender 71 49.62 Jean Troy 72 57.68 Nancy Durstein 70 57.95 Florence Carr 74 58.30 Cynthia Bruce 71 1:00.76 Dixie C Germolus 72 1:01.42 Ruth Hoskinson 70 1:05.61 Mary Ann Meekins 73 ▪ 100 M. BUTTERFLY 1:37.56 GAIL ROPER 99 1:37.56 Gail Roper 70 1:46.47 June Krauser 73 1:56.62 Jean Troy 72 2:04.53 Edie Gruender 71 2:06.35 Betty Russ 72 2:17.07 Nancy Durstein 70 2:19.17 Dixie C Germolus 72 2:24.52 Ruth Hoskinson 70 2:25.04 Florence Carr 74 2:33.07 Gladys Olsen 73 	<ul style="list-style-type: none"> ▪ 200 M. BUTTERFLY 3:38.39 JUNE KRAUSER 96 3:45.64 Gail Roper 72 3:54.75 June Krauser 70 4:20.71 Betty Russ 71 4:35.37 Edie Gruender 71 4:54.78 Nancy Durstein 70 5:19.99 Gladys Olsen 73 5:40.10 Ruth Hoskinson 70 6:24.46 Joan McIntyre 73 6:52.36 Gloria M Stupfel 70 ▪ 100 M. INDIVIDUAL MEDLEY 1:32.89 GAIL ROPER 99 1:32.89 Gail Roper 70 1:37.81 Nancy MacBeth 74 1:43.53 June Krauser 73 1:49.70 Jean Troy 72 1:52.90 Barbara Jackson 73 1:56.92 Florence Carr 70 1:59.40 Nan Bohl 70 1:59.94 Mary Ann Meekins 73 2:02.39 Cynthia Bruce 70 2:09.55 Nancy Reed 72 ▪ 200 M. INDIVIDUAL MEDLEY 3:30.92 GAIL ROPER 99 3:30.92 Gail Roper 70 3:31.29 June Krauser 73 3:37.89 Nancy MacBeth 72 3:57.22 Jean Troy 73 4:14.07 Nancy Durstein 70 4:20.93 Florence Carr 74 4:30.08 Ruth Aaron 70 4:42.07 Ruth Hoskinson 70 4:44.94 Nancy Reed 72 4:59.37 Gladys Olsen 73 ▪ 400 M. INDIVIDUAL MEDLEY 7:24.32 JUNE KRAUSER 96 7:36.99 Gail Roper 70 7:38.57 June Krauser 73 7:48.97 Nancy MacBeth 70 8:19.48 Jean Troy 72 8:55.23 Nancy Durstein 70 9:35.96 Ruth Aaron 70 10:15.96 Gladys Olsen 73 10:19.94 Joan McIntyre 71 10:26.65 Marian Wolle 71 12:06.36 Gloria M Stupfel 73 	<ul style="list-style-type: none"> 3:52.85 Grace Altus 75 3:54.36 Lois Kivi Nochman 75 3:58.65 Ruth Manfredi 76 4:01.93 Mary Stadig 78 4:09.72 Billie A Burrill 78 4:12.27 Clara Sotak 75 4:13.33 Maurine Kornfeld 77 4:43.26 D Winniford 75 ▪ 400 M. FREESTYLE 7:01.36 MARGERY MEYER 98 7:32.27 Petey M Smith 75 7:49.31 Grace Altus 75 8:02.08 Lois Kivi Nochman 75 8:33.28 Clara Sotak 75 8:51.54 Mary Stadig 78 8:53.60 Billie A Burrill 78 9:51.64 D Winniford 75 10:14.15 Cornelia Johnson 76 11:44.47 Ruth Thorsen 79 12:38.35 Kate Brazil 79 ▪ 800 M. FREESTYLE 14:46.26 MARGERY MEYER 98 16:00.68 Grace Altus 75 16:21.10 Lois Kivi Nochman 75 17:31.57 Maurine Kornfeld 77 17:41.96 Barbara Boley 75 ▪ 1500 M. FREESTYLE 27:47.25 MARGERY MEYER 98 30:04.28 Grace Altus 75 30:53.83 Lois Kivi Nochman 75 33:05.20 Barbara Boley 75 33:37.04 Clara Sotak 75 36:23.11 Regan Kenner 76 36:39.95 Billie Burrill 78 ▪ 50 M. BACKSTROKE 44.76 DORIS STEADMAN 99 44.76 Doris Steadman 75 51.94 Regan Kenner 76 53.76 R Billard Morrill 76 55.09 Lois Kivi Nochman 75 55.28 Diana Silva 77 56.34 Nancy Phillips 77 1:01.10 Rita Evans 79 1:01.12 June Reynolds 77 1:01.22 Jean Zulich 79 1:02.77 Mary Stadig 78 ▪ 100 M. BACKSTROKE 1:40.47 DORIS STEADMAN 99 1:40.47 Doris Steadman 75 1:49.68 Regan Kenner 76 1:54.99 Lois Kivi Nochman 75 1:56.50 R Billard Morrill 76 2:00.99 Diana Silva 77 2:07.84 Rita Evans 79 2:13.20 Nancy Phillips 77 2:14.51 Jae Howell 76 2:20.28 Jean Zulich 79 2:20.28 Maurine Kornfeld 77 ▪ 200 M. BACKSTROKE 3:38.25 DORIS STEADMAN 99 3:38.25 Doris Steadman 75 3:56.63 Ruth Morrill 76 4:09.49 Regan Kenner 76 4:19.39 Diana Silva 77 4:19.76 Lois Kivi Nochman 75 4:29.05 Rita Evans 79 4:47.37 Maurine Kornfeld 77 4:51.61 Barbara Boley 75 4:55.30 Nancy Phillips 78 5:04.12 Cornelia Johnson 76 ▪ 50 M. BREASTSTROKE 53.94 GERTRUD ZINT 93 56.41 Regan Kenner 76 57.95 Lois Kivi Nochman 75 1:00.39 Jae Howell 77 1:03.52 Barbara Boley 75 1:06.12 June Reynolds 77 1:07.24 Sara Nelson 75
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1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

1:08.54 Cornelia Johnson	76	50 M. FREESTYLE	83	2:14.18 Anne Walker	83	2:46.15 Edith Glusac	81
1:16.28 Jean Zulich	79	45.84 MARJORIE SHARPE	97	2:25.49 Gertrude Zint	82	2:54.63 Marie Kreipe	80
1:18.85 Judy Kelly	75	47.54 Rita Simonton	81	2:27.04 Edith Glusac	81	3:03.87 Ivy Browne	84
1:21.38 Lela Pierce	77	49.02 Audrey H Etienne	83	2:35.49 Sally Joy	82	3:05.36 Zada Taft	80
100 M. BREASTSTROKE		49.25 Marjorie W Sharpe	82	2:38.37 Mary Lathram	84	3:10.79 Rosemary Kariker	80
2:02.29 GERTRUD ZINT	93	55.09 Anne Walker	83	2:43.66 Rosemary Kariker	80	4:28.71 Rose Steward	81
2:05.56 Regan Kenner	76	56.40 Kay Schimpf	82	2:46.78 Ivy Browne	84	200 M. INDIVIDUAL MEDLEY	
2:09.52 Lois Kivi Nochman	75	56.52 Gertrude Zint	82	2:47.67 Zada Taft	80	4:45.32 JEAN DURSTON	95
2:16.71 Jae Howell	76	1:00.00 Sally Joy	82	2:51.17 Kay Schimpf	82	5:28.92 Gertrude Zint	82
2:36.81 Cornelia Johnson	76	1:00.76 Ivy Browne	84	200 M. BACKSTROKE		5:50.80 Edith Glusac	81
2:42.56 Mary Wixted	77	1:03.08 Marie Kreipe	80	4:31.01 MARJORIE SHARPE	97	5:52.15 Kay Schimpf	82
2:52.42 Judy Kelly	75	1:03.51 Edith Glusac	81	4:34.45 Marjorie W Sharpe	82	6:27.40 Marie Kriepe	80
200 M. BREASTSTROKE		100 M. FREESTYLE		4:45.31 Anne Walker	83	6:31.88 Zada Taft	80
4:25.09 REGAN KENNER	99	1:42.38 RITA SIMONTON	98	5:09.47 Gertrude Zint	82	6:34.83 Rosemary Kariker	80
4:25.09 Regan Kenner	76	1:45.04 Marjorie W Sharpe	82	5:25.67 Edith Glusac	81	400 M. INDIVIDUAL MEDLEY	
4:43.98 Lois Kivi Nochman	75	2:03.64 Anne Walker	83	5:28.74 Mary Lathram	84	9:50.43 MAXINE MERLINO	92
4:56.53 Jae Howell	76	2:15.35 Kay Schimpf	82	5:47.59 Kay Schimpf	82	12:25.14 Edith Glusac	81
5:15.96 Barbara Boley	75	2:17.23 Gertrude Zint	82	5:54.07 Ivy Browne	84	14:08.37 Zada Taft	80
50 M. BUTTERFLY		2:20.82 Sally Joy	82	6:07.15 Beth Hanks	83		
47.88 LOIS KIVI NOCHMAN	99	2:21.15 Ivy Browne	84	6:14.76 Zada W Taft	80	WOMEN 85-89	
47.88 Lois Nochman	75	2:25.22 Pat Matthieson	83	6:47.91 M Kirkpatrick	80		
58.11 Diana Silva	77	2:31.05 Edith Glusac	81	50 M. BREASTSTROKE			
1:00.91 Ruth Manfredi	76	2:33.04 Mary Lathram	84	1:03.71 RITA SIMONTON	98	50 M. FREESTYLE	
1:02.04 Grace Altus	75	2:33.35 Marie Kriepe	80	1:05.75 Gertrude Zint	82	51.99 JULIA DOLCE	95
1:05.91 June Reynolds	77	200 M. FREESTYLE		1:07.59 Edith Glusac	81	1:11.72 Agnes Romayko	85
1:10.16 Barbara Boley	75	3:37.21 RITA SIMONTON	98	1:09.79 Sally Joy	82	1:27.41 Madeleine Miller	89
1:12.49 Jean Zulich	79	3:41.70 Rita Simonton	81	1:16.77 Kay Schimpf	82	1:37.22 Hedy Pullman	85
1:32.99 Dorothy Kimmel	78	3:45.17 Marjorie W Sharpe	82	1:20.46 Anneliese Zoeller	82	1:58.17 Elizabeth Dziadus	88
1:38.50 Maxine Carlson	79	4:55.97 Kay Schimpf	82	1:21.75 Marie Kreipe	80	100 M. FREESTYLE	
100 M. BUTTERFLY		4:58.89 Gertrude Zint	82	1:28.74 Fran Zeumer	80	2:05.74 JULIA DOLCE	95
1:56.42 LOIS KIVI NOCHMAN	99	5:05.67 Martha Forster	82	1:29.24 Mary Jane Reeves	82	2:07.67 Jean Durston	85
1:56.42 Lois Nochman	75	5:23.84 Zada W Taft	80	1:42.42 Rosemary Kariker	80	2:46.86 Agnes Romayko	85
2:16.09 Diana Silva	77	5:36.76 Mary Lathram	84	1:45.43 Zada W Taft	80	3:26.97 Hedy Pullman	85
2:25.36 Jae Howell	77	5:46.93 Marie Kriepe	80	100 M. BREASTSTROKE		4:04.16 Margot Lenigk	87
2:25.38 June Reynolds	77	6:05.66 Beth Hanks	83	2:19.11 RITA SIMONTON	98	4:41.97 Elzena Johnson	85
2:48.12 Jean Zulich	79	6:44.75 Jennie Taylor	82	2:34.99 Edith Glusac	81	200 M. FREESTYLE	
3:05.22 Mary Wixted	77	400 M. FREESTYLE		2:36.08 Gertrude Zint	82	4:37.83 MAXINE MERLINO	98
3:18.89 Marjorie Newman	76	7:33.69 RITA SIMONTON	98	2:44.53 Sally Joy	82	6:11.35 Agnes Romayko	85
4:31.88 Elfie Stevenin	78	7:45.93 Rita Simonton	81	2:52.88 Kay Schimpf	82	400 M. FREESTYLE	
200 M. BUTTERFLY		8:33.51 Marjorie W Sharpe	82	2:57.59 Anneliese Zoeller	82	9:29.01 JEAN DURSTON	99
4:08.39 LOIS KIVI NOCHMAN	99	10:05.43 Kay Schimpf	82	3:08.81 Marie Kriepe	80	9:29.01 Jean D Durston	85
4:08.39 Lois Kivi Nochman	75	10:39.08 Gertrude Zint	82	3:31.50 Rosemary Kariker	80	13:08.77 Agnes Romayko	85
4:58.56 Diana Silva	77	10:40.32 Ivy Browne	84	3:37.59 Pat Matthieson	83	800 M. FREESTYLE	
5:07.59 June Reynolds	77	11:06.18 Mary Jane Reeves	82	4:05.23 Zada W Taft	80	19:41.58 MAXINE MERLINO	98
5:13.89 Jae Howell	77	11:26.99 Zada Taft	80	200 M. BREASTSTROKE		NO SWIMMERS	
7:11.27 Dorothy Kimmel	78	11:38.59 Mary Lathram	84	4:49.62 RITA SIMONTON	98	1500 M. FREESTYLE	
100 M. INDIVIDUAL MEDLEY		12:00.27 Marie Kriepe	80	5:00.09 Rita Simonton	81	37:28.53 MAXINE MERLINO	98
1:49.60 LOIS KIVI NOCHMAN	0	12:15.86 Martha Forster	82	5:45.35 Edith Glusac	81	NO SWIMMERS	
1:52.99 Lois Kivi Nochman	75	800 M. FREESTYLE		5:46.13 Gertrude Zint	82	50 M. BACKSTROKE	
2:04.47 Dorothy Donnelly	77	15:49.21 RITA SIMONTON	98	6:10.30 Sally Joy	82	1:05.17 MAXINE MERLINO	98
2:07.79 Barbara Boley	75	16:07.48 Rita Simonton	81	6:13.49 Kay Schimpf	82	1:31.37 Madeleine Miller	89
2:11.35 Ruth Manfredi	76	19:56.41 Kay Schimpf	82	6:26.22 Anneliese Zoeller	82	1:41.04 Hilda G Buel	85
2:11.72 Petey M Smith	75	22:55.64 Mary Jane Reeves	82	7:54.10 Jamie Taylor	82	1:42.21 Hedy Pullman	85
2:12.78 Diana Silva	77	24:44.70 Martha Forster	82	50 M. BUTTERFLY		1:46.07 Elizabeth Dziadus	89
2:14.06 Jae Howell	77	26:01.44 Zada W Taft	80	1:03.26 JEAN DURSTON	94	1:51.90 Margot Lenigk	87
2:14.59 June Reynolds	77	32:40.09 Rose Steward	81	1:17.23 Gertrude Zint	82	2:34.92 Elzena Johnson	85
2:18.00 Ruth B Morrill	76	1500 M. FREESTYLE		1:22.78 Marie Kreipe	80	100 M. BACKSTROKE	
2:20.80 Rita Evans	79	29:48.75 RITA SIMONTON	98	1:23.47 Rosemary Kariker	80	2:24.11 MAXINE MERLINO	98
200 M. INDIVIDUAL MEDLEY		30:21.05 Rita Simonton	81	1:25.36 Edith Glusac	81	2:28.88 Jean D Durston	85
4:08.84 LOIS KIVI NOCHMAN	99	31:35.95 Marjorie W Sharpe	82	1:25.60 Kay Schimpf	82	3:29.50 Hedy Pullman	85
4:08.84 Lois Kivi Nochman	75	38:35.51 Kay Schimpf	82	1:37.97 Zada Taft	80	3:59.83 Hilda G Buel	85
4:40.90 Ruth B Morrill	76	45:23.78 Zada W Taft	80	2:09.91 Ivy Browne	84	4:01.84 Margot Lenigk	87
4:43.47 Ruth Manfredi	76	47:22.76 Martha Forster	82	2:59.03 Rose Steward	81	200 M. BACKSTROKE	
4:44.88 Jae Howell	76	50 M. BACKSTROKE		3:02.96 Betty Taylor	84	5:13.33 MAXINE MERLINO	98
4:55.55 June Reynolds	77	56.42 MARJORIE SHARPE	97	100 M. BUTTERFLY		5:17.41 Jean Durston	85
4:56.15 Diana Silva	77	56.59 Marjorie W Sharpe	82	2:28.34 JEAN DURSTON	94	7:13.20 Hedy Pullman	85
5:04.56 Grace Altus	75	58.70 Anne Walker	83	3:06.86 Edith Glusac	81	9:57.39 Elzena Johnson	85
5:18.41 Mary Wixted	77	1:01.87 Audrey H Etienne	83	3:30.71 Zada W Taft	80	50 M. BREASTSTROKE	
5:30.12 Jean Zulich	79	1:02.37 Gertrude Zint	82	3:37.17 Rosemary Kariker	80	1:09.77 MARTI GOGNIAT	95
5:46.04 Marjorie Newman	76	1:05.41 Edith Glusac	81	200 M. BUTTERFLY		1:34.72 Hilda G Buel	85
400 M. INDIVIDUAL MEDLEY		1:09.03 Sally Joy	82	5:22.65 MAXINE MERLINO	92	1:35.82 Madeleine Miller	89
8:30.82 LOIS KIVI NOCHMAN	99	1:09.44 Mary Lathram	84	7:58.67 Zada Taft	80	2:11.13 Hedy Pullman	85
8:30.82 Lois Nochman	75	1:12.31 Ivy Browne	84	100 M. INDIVIDUAL MEDLEY		2:33.63 Margot Lenigk	87
10:09.47 Jae Howell	76	1:16.01 Marie Kreipe	80	2:07.52 MAXINE MERLINO	92	100 M. BREASTSTROKE	
12:19.45 Marjorie Newman	76	1:17.84 Rosemary Kariker	80	2:23.53 Audrey H Etienne	83	2:38.48 MARTI GOGNIAT	95
		100 M. BACKSTROKE		2:28.45 Gertrude Zint	82	2:46.38 Jean D Durston	85
		2:05.60 MARJORIE SHARPE	97	2:33.94 Sally Joy	82	3:57.18 Hilda G Buel	85
		2:03.82 Marjorie W Sharpe	82N	2:40.06 Kay Schimpf	82	4:06.40 Madeleine Miller	89
						4:25.99 Hedy Pullman	85

WOMEN 80-84

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

<p>• 200 M. BREASTSTROKE 5:59.36 MARTI GOGNIAT 97 9:40.44 Madeleine Miller 89</p> <p>• 50 M. BUTTERFLY 1:07.35 JEAN DURSTON 99 1:07.35 Jean Durston 85 2:10.87 Hilda G Buel 85 2:13.71 Madeleine Miller 89</p> <p>• 100 M. BUTTERFLY 2:36.50 JEAN DURSTON 99 2:36.50 Jean Durston 85</p> <p>• 200 M. BUTTERFLY 5:42.80 JEAN DURSTON 99 5:42.80 Jean Durston 85</p> <p>• 100 M. INDIVIDUAL MEDLEY 2:12.85 JEWEL COOKE 95 2:25.02 Jean Durston 85 3:53.61 Madeleine Miller 89</p> <p>• 200 M. INDIVIDUAL MEDLEY 5:12.01 JEAN DURSTON 99 5:12.01 Jean Durston 85</p> <p>• 400 M. INDIVIDUAL MEDLEY 10:55.73 JEAN DURSTON 99 10:55.73 Jean Durston 85</p> <p style="text-align: center;"><u>WOMEN 90-94</u></p> <p>• 50 M. FREESTYLE 1:36.77 ANNA BAUSCHER 93 NO SWIMMERS</p> <p>• 100 M. FREESTYLE 3:24.13 ANNA BAUSCHER 93 NO SWIMMERS</p> <p>• 200 M. FREESTYLE 7:01.11 ANNA BAUSCHER 93 NO SWIMMERS</p> <p>• 400 M. FREESTYLE 14:16.35 ANNA BAUSCHER 93 NO SWIMMERS</p> <p>• 800 M. FREESTYLE 28:45.45 ANNA BAUSCHER 93 NO SWIMMERS</p> <p>• 50 M. BACKSTROKE 1:23.95 JEWEL COOKE 99 1:23.95 Jewel Cooke 91 2:31.36 Grace Hiddleston 91</p> <p>• 100 M. BACKSTROKE 3:05.96 JEWEL COOKE 99 3:05.96 Jewel Cooke 91</p> <p>• 200 M. BACKSTROKE 6:32.92 JEWEL COOKE 99 6:32.92 Jewel Cooke 91</p> <p>• 50 M. BREASTSTROKE 1:52.69 JEWEL COOKE 99 1:52.69 Jewel Cooke 91</p> <p>• 100 M. BREASTSTROKE 4:06.89 JEWEL COOKE 99 4:06.89 Jewel Cooke 91</p> <p>• 200 M. BREASTSTROKE 9:03.85 JEWEL COOKE 99 9:03.85 Jewel Cooke 91</p> <p>• 50 M. BUTTERFLY 1:49.08 JEWEL COOKE 0 1:50.91 Jewel Cooke 91</p> <p>• 100 M. BUTTERFLY 4:06.32 JEWEL COOKE 99 4:06.32 Jewell Cook 91</p> <p>• 100 M. INDIVIDUAL MEDLEY 3:13.87 JEWEL COOKE 99 3:13.87 Jewel Cooke 91</p> <p>• 200 M. INDIVIDUAL MEDLEY 6:56.70 JEWEL COOKE 99 6:56.70 Jewel Cooke 91</p> <p>• 400 M. INDIVIDUAL MEDLEY 14:55.37 JEWEL COOKE 99 14:55.37 Jewel Cooke 91</p>	<p>• 50 M. FREESTYLE 23.36 ED WAGNER 95 24.61 Ken Heis 24 24.70 Philip Sohmen 21 24.81 Stephen Brauer 24 24.89 Marcus Chung 23 24.95 Chris Alcott 24 25.49 Dennis Pette 23 25.53 Thomas Richner 24 25.60 Jon Rimer 22 25.93 Ryan A Mann 20 26.03 Justin Poche 21</p> <p>• 100 M. FREESTYLE 52.64 ED WAGNER 95 54.48 Marcus Chung 23 55.62 Greg Wriede 22 56.16 Thomas Richner 24 56.29 Michael A Poropat 23 56.37 Stephen Brauer 24 56.41 Chris Alcott 24 57.15 Scott Johnson 23 57.25 John Oliver 24 57.30 Matthew Mills 22 57.40 Jon Rimer 22</p> <p>• 200 M. FREESTYLE 1:54.23 BRAD WINSOR 95 2:04.04 Marcus Chung 23 2:05.97 Scott Johnson 23 2:06.45 Matthew Mills 22 2:06.78 Josh Skube 24 2:09.01 Manuel Nieto 19 2:09.99 Justin Poche' 21 2:11.18 Chris Tilghman 22 2:11.38 Chris Connor 24 2:11.45 Bradley W Harris 24 2:11.55 Hugh McGowan 22</p> <p>• 400 M. FREESTYLE 4:03.45 BRAD WINSOR 95 4:31.51 Josh Skube 24 4:39.13 Bradley W Harris 24 4:45.02 Chris Connor 24 4:47.33 Michael A Poropat 23 4:54.77 Hugh McGowan 22 5:12.83 Steve Kim 23 5:34.85 Donglai Gong 22 6:07.68 Mark Shulman 24</p> <p>• 800 M. FREESTYLE 8:35.83 BRAD WINSOR 95 11:37.06 A Medina-Marino 24 15:58.01 Brian Gluckman 24</p> <p>• 1500 M. FREESTYLE 16:15.25 JEFF POPPELL 93 19:43.46 Chris Connor 24 20:01.68 Hugh McGowan 22 20:36.48 Robert Pinson 24 22:33.80 Eric Heffelfinger 23</p> <p>• 50 M. BACKSTROKE 27.48 AARON BARTLESON 95 28.58 Chris Fugate 23 29.30 Thomas Richner 24 29.46 Josh Skube 24 29.96 Jon Rimer 22 30.37 John Newland 22 30.40 Ken Heis 24 31.69 Brandon Bateman 20 32.08 Hugh McGowan 22 32.48 Erik Bloom 23 32.56 Geoffrey Thompson 24</p> <p>• 100 M. BACKSTROKE 58.98 OSIRIS BRISENO 98 1:01.73 Greg Wriede 22 1:04.10 John Newland 22 1:05.48 David Romack 22 1:05.67 Jon Rimer 22 1:08.78 Steven Bergen 24 1:09.89 Jonath Armstrong 24 1:10.17 Geoffrey Thompson 24</p> <p>1:11.15 David Kraft 23 1:12.46 Steve Kim 23 1:13.21 Nick Johansen 20</p> <p>• 200 M. BACKSTROKE 2:08.81 SERGEY MARINIUK 93 2:09.65 Greg Wriede 22 2:17.88 Chris Fugate 23 2:28.16 Marcus Chung 23 2:36.93 Steve Kim 23 2:58.42 Wayne Parks 20</p> <p>• 50 M. BREASTSTROKE 29.76 AARON BARTLESON 95 30.87 Steven Bergen 24 30.91 Danusz Lew-Mirsui 24 31.69 Chris Alcott 24 32.44 Ken Heis 24 32.56 Alec Raley 21 33.57 Lenny Henkel 24 33.72 Sean Teisher 24 34.10 John Oliver 24 35.04 Ryan A Mann 20 35.07 Philip Sohmen 21</p> <p>• 100 M. BREASTSTROKE 1:05.52 TODD RADEL 96 1:06.97 Danusz Lew-Mirsui 24 1:08.78 Steven Bergen 24 1:09.97 Chris Alcott 24 1:11.90 Jonath Armstrong 24 1:13.04 Justin Poche' 21 1:13.55 John Oliver 24 1:14.38 Philip Sohmen 21 1:15.20 Michael A Poropat 23 1:17.11 David Romack 22 1:17.48 Shawn Peters 24</p> <p>• 200 M. BREASTSTROKE 2:22.78 TODD RADEL 96 2:37.94 Chris Alcott 24 2:44.85 John Oliver 24 2:47.12 Steven Bergen 24 2:53.24 Steve Kim 23 2:54.90 Kelvin Ng 22 2:57.06 Chris Connor 24 2:58.15 Jim Liguori 24 3:04.46 Andy Aucoin 23 3:04.99 A Medina-Marino 24 3:18.96 Arthur Gilchrest 23</p> <p>• 50 M. BUTTERFLY 26.24 JEFF FELTZER 95 26.96 Thomas Richner 24 27.00 Stephen Brauer 24 27.18 Greg Wriede 22 27.83 Guy Mruistik 21 28.90 Philip Sohmen 21 29.01 Erik Bloom 23 29.15 Nick Johansen 20 29.19 Jeremy Zechar 20 29.38 Alec Raley 21 29.39 James Buck 23</p> <p>• 100 M. BUTTERFLY 57.54 JEFF POPPELL 93 1:02.78 Thomas Richner 24 1:03.90 Jonath Armstrong 24 1:05.03 John Newland 22 1:05.17 Manuel Nieto 19 1:05.91 Matthew Mills 22 1:06.83 Jeremy Zechar 20 1:07.78 Ken Heis 24 1:08.20 Andrew C Bozdech 22 1:10.18 Chris Tilghman 22 1:10.56 Antonio Sandoval 23</p> <p>• 200 M. BUTTERFLY 2:07.64 JEFF POPPELL 93 2:18.85 Chris Fugate 23 2:28.53 Jeremy Zechar 20 2:42.65 Jim Liguori 24 2:49.22 Kelvin Ng 22 2:57.63 Steve Kim 23 3:02.45 Antonio Sandoval 23</p>	<p>• 100 M. INDIVIDUAL MEDLEY 59.18 AARON BARTLESON 95 1:00.68 Greg Wriede 22 1:03.26 Ken Heis 24 1:04.49 Chris Fugate 23 1:05.42 John Newland 22 1:06.00 Josh Skube 24 1:06.02 John Oliver 24 1:07.70 Ryan A Mann 20 1:07.81 Scott Johnson 23 1:07.94 Bradley W Harris 24 1:08.49 Matthew Mills 22</p> <p>• 200 M. INDIVIDUAL MEDLEY 2:08.88 SERGEY MARINIUK 93 2:11.93 Greg Wriede 22 2:20.97 Jonath Armstrong 24 2:22.51 John Oliver 24 2:26.27 Josh Skube 24 2:27.24 David Romack 22 2:28.89 Justin Poche 21 2:30.05 Jon Rimer 22 2:30.18 Nick Johansen 20 2:30.41 Robert Pinson 24 2:33.53 Mark D Francis 20</p> <p>• 400 M. INDIVIDUAL MEDLEY 4:28.54 SERGEY MARINIUK 93 5:08.96 Chris Fugate 23 5:10.80 Josh Skube 24 5:24.71 David Romack 22 5:35.92 Chris Connor 24 5:49.95 Jim Liguori 24 6:24.77 David Boyer 21</p> <p style="text-align: center;"><u>MEN 25-29</u></p> <p>• 50 M. FREESTYLE 22.48 PEEL/WAGNER 96 23.41 Ed Wagner 28 24.02 Nelson Vargas 26 24.05 Lee G Wanie 25 24.18 Dan Wegner 28 24.41 Bryan Adleman 25 24.91 Eric Fors 29 24.93 Carlos Ochoa 28 25.04 Curtis Taylor 28 25.13 Andrew Farrell 29 25.16 Kevin Sherlock 29</p> <p>• 100 M. FREESTYLE 49.91 BJORN ZIKARSKY 95 52.19 Curtis Sawin 28 52.60 Lee G Wanie 25 53.85 Ed Wagner 28 54.40 Andrew Farrell 29 54.53 Ed G Owen 28 54.62 Dan Wegner 28 54.68 Timothy Boyd 29 55.22 Curtis Taylor 28 55.28 Eric Fors 29 55.86 Stephen Martel 29</p> <p>• 200 M. FREESTYLE 1:48.81 JOHN KEPPELER 95 1:56.35 Curtis Sawin 28 1:59.22 Andrew Farrell 29 1:59.52 Carlos Ochoa 28 2:00.70 Dan Wegner 28 2:00.75 Stephen Martel 29 2:02.23 Ed G Owen 28 2:04.28 Brad L Winsor 28 2:04.81 Kent A Anderson 27 2:05.41 Grant Comer 25 2:05.41 Ted Murphy 25</p> <p>• 400 M. FREESTYLE 3:58.23 ALEX KOSTICH 97 4:20.46 Andrew Farrell 29 4:22.73 Carlos Ochoa 28 4:23.34 Brad L Winsor 28 4:26.23 Ed G Owen 28 4:34.27 William Gasperoni 29</p>
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1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

4:42.06 John Dewey	26	1:04.43 ABRAHAM SOLANO	96	2:20.40 Larry Chevres	29	9:45.39 Karl Gundersen	30
4:42.10 Jim Davis	28	1:05.93 Todd Radel	27	2:21.18 Robert Harms	29	9:52.52 Ted Bockius	33
4:43.36 Christoph Palmer	27	1:06.32 Jonathan Banville	29	2:21.91 Grant Comer	25	1500 M. FREESTYLE	
4:44.22 Andrew Wood	26	1:07.66 John W Cave	26	2:22.21 Dan Wegner	28	16:15.49 MIKE SHAFFER	95
4:44.89 Gregory K Ishii	28	1:09.18 Darren Gorman	28	2:25.09 James Trudell	27	16:58.31 Randy Eickhoff	34
800 M. FREESTYLE		1:09.34 Matthew Kinney	29	4:26.79 JOHN KEPPELER	95	17:27.55 John O'Keefe	32
8:14.75 ALEX KOSTICH	97	1:09.78 Matt Walters	28	4:50.42 Scott Reed	29	18:10.37 Scott Robinson	34
9:02.39 Andrew Farrell	29	1:11.75 Mark Harlow	28	4:51.31 Todd Radel	27	18:20.63 Michael Collins	33
9:12.48 Ed G Owen	28	1:11.85 Tom Fisher	27	4:51.94 Matthew Kinney	29	18:24.41 Dale Mercker	32
9:35.27 William Gasperoni	29	1:12.27 Alex Hall	28	5:04.78 Andrew Farrell	29	18:27.54 Bruce Hopson	33
9:46.71 Carl Ellefson	25	1:12.67 Jun Maruta	29	5:05.86 Russell Kominski	26	18:38.76 Art Wells	34
9:59.70 Kyle Levine	28	200 M. BREASTSTROKE		5:07.91 Alex Hall	28	18:52.35 Mike Cuccaro	31
10:01.13 Jason Klugman	28	2:20.43 ABRAHAM SOLANO	96	5:08.61 Larry Chevres	29	19:05.63 John Bobbin	33
10:20.43 Greg Leo	27	2:24.23 Todd Radel	27	5:18.04 Darrin Anderson	29	19:07.94 Eric Askerman	32
10:23.03 Darrin Anderson	29	2:24.25 Jonathan Banville	29	5:19.88 Matt Walters	28	50 M. BACKSTROKE	
10:24.78 Christoph Palmer	27	2:27.97 Matthew Kinney	29	5:21.01 Chad Stewart	25	26.58 JAY YARID	94
10:24.98 Scott Christensen	27	2:35.61 Grant Comer	25			27.45 Senn Thomas	32
1500 M. FREESTYLE		2:37.71 Mark Harlow	28	MEN 30-34		28.92 Mike Shaffer	34
15:41.81 ALEX KOSTICH	97	2:37.77 Alex Hall	28	50 M. FREESTYLE		29.17 Jim Jordan	34
17:08.15 Andrew Farrell	29	2:38.04 Jun Maruta	29	23.52 BJORN ZIKARSKY	98	29.32 Rob Berry	31
17:31.35 Ed G Owen	28	2:38.33 Ted Murphy	25	24.72 Jeffrey Roddin	30	29.66 Emad Elshafei	33
17:42.11 Carlos Ochoa	28	2:43.00 Matt Walters	28	24.78 Neill Williams	31	30.14 Christopher Wood	31
18:38.15 Carl Ellefson	25	2:43.86 James Ralph	26	25.00 Turner Randy	34	30.14 Steve Parmentier	34
18:43.48 John Dewey	26	50 M. BUTTERFLY		25.02 Robert Kabacy	31	30.34 Tom Northcutt	34
18:59.71 Moritz Gmelin	25	25.24 CURTIS SAWIN	99	25.19 John Boxmeyer	30	30.42 Brian Hayes	32
19:12.68 Devon Jones	29	25.24 Curtis Sawin	28	25.27 Bert Bergen	32	30.46 Neill Williams	31
19:21.65 Darrin Anderson	29	25.25 Bryan Addleman	25	25.31 Mike McKeon	30	100 M. BACKSTROKE	
19:45.79 Scott Christensen	27	26.01 Jon Pauole	29	25.38 Art Wells	34	56.07 MARTIN ZUBERO	99
19:46.11 Greg Leo	27	26.13 Cito Vasconcellos	25	25.41 Brent Matheson	32	56.07 Martin Zubero	30
50 M. BACKSTROKE		26.53 Ed Wagner	28	25.41 Mike Shaffer	34	56.25 John Keppeler	32
26.00 MICHAEL KANNER	95	26.64 Corey Carlisle	28	50.97 JOHN KEPPELER	99	59.92 Senn Thomas	32
26.63 Curtis Sawin	28	26.75 Lee G Wanie	25	50.97 John Keppeler	32	1:02.06 Jerome Frentsos	34
27.82 Lee G Wanie	25	27.18 Gregory Kabacy	26	52.95 Lorenzo Benucci	32	1:02.55 Jim Harper	32
28.17 Jon Pauole	29	27.27 Eric Fors	29	53.89 Bert Bergen	32	1:02.72 Stephen Smith	33
28.24 Scott Reed	29	27.38 Scott Reed	29	54.08 Mike Shaffer	34	1:02.79 Rob Berry	31
28.52 Corey Carlisle	28	100 M. BUTTERFLY		54.51 Scott Robinson	34	1:03.04 Christopher Wood	31
28.93 Jeff Johnson	27	56.11 MARTIN HERRMANN	95	54.54 Senn Thomas	32	1:03.16 Mike Shaffer	34
29.10 Andrew Farrell	29	56.45 Curtis Sawin	28	55.27 Art Wells	34	1:04.03 Kurt Dickson	32
29.26 Gregory Kabacy	26	57.92 Cito Vasconcellos	25	55.36 Robert Kabacy	31	200 M. BACKSTROKE	
30.15 Chris Benedick	28	58.63 Ed Wagner	28	56.08 Stan Kroder	34	2:02.91 JOHN KEPPELER	99
30.18 James Wray	28	58.99 Jon Pauole	29	56.26 Turner Randy	34	2:02.91 John Keppeler	32
100 M. BACKSTROKE		59.19 Marcel Rinzler	28	200 M. FREESTYLE		2:12.45 Jerome Frentsos	34
55.76 JOHN KEPPELER	95	59.60 Corey Carlisle	28	1:52.04 JOHN KEPPELER	99	2:13.76 Senn Thomas	32
58.95 Curtis Sawin	28	1:00.88 Grant Comer	25	1:52.04 John Keppeler	32	2:17.67 Jim Harper	32
58.99 Scott Reed	29	1:01.14 John Rogers	29	1:57.91 Scott Robinson	34	2:19.39 Christopher Wood	31
1:00.50 Jon Pauole	29	1:01.44 Ivan Ditscheiner	28	1:58.02 Stephen Smith	33	2:19.83 Stephen Smith	33
1:01.11 Lee G Wanie	25	1:01.86 Kent A Anderson	27	1:58.10 Mike Shaffer	34	2:21.30 Rob Berry	31
1:01.50 Corey Carlisle	28	200 M. BUTTERFLY		2:00.82 Bert Bergen	32	2:21.87 Emad Elshafei	33
1:01.84 Marcel Rinzler	28	2:09.02 DOUG WAGNER	95	2:01.98 Abraham Solano	30	2:22.06 Brian Hayes	32
1:03.52 Andrew Farrell	29	2:10.56 Scott Reed	29	2:03.10 Todd Mercer	32	2:23.60 Todd Mercer	32
1:03.95 Jeff Johnson	27	2:13.10 Cito Vasconcellos	25	2:03.78 Art Wells	34	50 M. BREASTSTROKE	
1:04.71 Larry Chevres	29	2:16.98 Matt Walters	28	2:04.27 Jeffrey Roddin	30	29.21 DEAN PUTTERMAN	96
1:04.99 James Wray	28	2:17.41 Carlos Ochoa	28	2:06.69 Dale Mercker	32	29.81 Roque Santos	31
200 M. BACKSTROKE		2:19.82 Matthew Kinney	29	400 M. FREESTYLE		30.67 Neill Williams	31
2:02.63 JOHN KEPPELER	95	2:20.09 Grant Comer	25	3:59.83 BRUCE HAYES	94	30.87 Sean Frampton	33
2:10.05 Scott Reed	29	2:23.07 Brad L Winsor	28	4:17.94 Scott Robinson	34	31.14 Sergio Lopez-Miro	31
2:15.36 Jon Pauole	29	2:26.48 Darrin Anderson	29	4:18.08 Randy Eickhoff	34	31.28 Abraham Solano	30
2:19.28 Andrew Farrell	29	2:52.65 Todd MacEira	26	4:19.27 Jason C Nielsen	32	31.86 Jack Mackenroth	30
2:19.39 Francisco Sergio	28	2:55.47 Keith Pryor	29	4:20.89 John O'Keefe	32	32.13 M Terahigashi	32
2:23.95 Larry Chevres	29	100 M. INDIVIDUAL MEDLEY		4:28.83 Todd Mercer	32	32.19 S Vankuilenburg	34
2:25.43 James Wray	28	58.36 NEILL WILLIAMS	96	4:31.48 Dale Mercker	32	32.86 Kelly Chadick	30
2:27.11 Kevin Hurysz	25	58.81 Curtis Sawin	28	4:33.41 Mike Cuccaro	31	32.95 Tom Northcutt	34
2:27.85 Brendan Voegel	25	1:00.72 Bryan Addleman	25	4:36.14 John Brown	34	100 M. BREASTSTROKE	
2:32.43 Craig Hill	28	1:01.13 Marcel Rinzler	28	4:37.54 Kevin Mylod	31	1:03.64 ROQUE SANTOS	99
2:33.14 Christen Brady	28	1:01.76 Scott Reed	29	4:37.93 Ted Bockius	33	1:03.64 Roque Santos	31
50 M. BREASTSTROKE		1:02.84 Lee G Wanie	25	8:19.44 BRUCE HAYES	94	1:06.79 Abraham Solano	30
29.08 JOHN WALDMAN	89	1:03.59 Jonathan Banville	29	8:56.28 Randy Eickhoff	34	1:07.71 Neill Williams	31
30.25 Jonathan Banville	29	1:03.63 Robert Harms	29	9:31.50 Michael Collins	33	1:08.12 Sergio Lopez-Miro	31
30.29 Todd Radel	27	1:04.32 Eric Fors	29	9:35.11 Dale Mercker	31	1:08.61 Sean Frampton	33
31.07 John W Cave	26	1:04.38 Curtis Taylor	28	9:37.40 Mike Cuccaro	32	1:09.64 Jim Harper	32
31.76 Darren Gorman	28	1:04.94 Eric Yen	26	9:37.75 Bruce Hopson	33	1:09.82 S Vankuilenburg	34
32.25 Mark Harlow	28	200 M. INDIVIDUAL MEDLEY		9:40.62 John Brown	34	1:10.11 Greg Latta	30
32.72 Timothy Wood	25	2:05.93 JOHN KEPPELER	95	9:42.46 Kevin Mylod	31	1:10.32 Jack Mackenroth	30
32.76 Simon Goldschmidt	26	2:13.55 Scott Reed	29	9:42.65 Steve Vaughn	34	1:10.72 M Terahigashi	32
33.05 Jeff Johnson	27	2:15.59 Todd Radel	27			200 M. BREASTSTROKE	
33.44 Stephen So	25	2:17.12 Matthew Kinney	29			2:17.56 ROQUE SANTOS	99
33.53 Charles Donstan	25	2:18.12 Matt Walters	28			2:17.56 Roque Santos	31
100 M. BREASTSTROKE		2:19.82 Ed Wagner	28			2:20.53 Abraham Solano	30

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

2:33.15 Jim Harper	32	5:19.08 Karl Gundersen	30	26.84 CLAY BRITT	96	27.66 Todd Cooper	37
2:36.22 Dale Merccker	32	5:19.52 Michael Collins	33	28.44 Michael Fell	38	27.66 Stuart Cromarty	35
2:36.53 S Vankuilenburg	34			28.49 J Clay Britt	38	27.74 Rory Lewis	38
2:37.47 Neill Williams	31	MEN 35-39		29.66 Bruce Hayes	36	27.85 Paul Stricker	39
2:38.44 Jack Mackenroth	30			29.77 Tod Hill	36	28.11 Gary Morton	37
2:41.22 Brian Hayes	32	50 M. FREESTYLE		30.03 Ande Rasmussen	36	100 M. BUTTERFLY	
2:41.73 M Terahigashi	32	23.80 BRUCE STAHL	94	30.23 Mark Kaiser	36	57.02 WILLIAM SPECHT	93
2:41.84 John Galloway	34	24.03 Michael Fell	38	30.81 Stuart Cromarty	35	57.28 Charlie Johnson	37
50 M. BUTTERFLY		24.24 Mark Noetzel	37	31.25 Robert Fish	36	57.99 Bobby Patten	36
24.64 BRIAN ALDERMAN	99	24.50 Dean Putterman	37	31.68 Doug Chestnut	35	58.74 Dirk Marshall	37
24.64 Brian Alderman	30	24.62 James Lilley	39	31.71 Edmund Gendreau	37	1:00.28 Edmund Gendreau	37
26.22 Neill Williams	31	25.09 Gary Morton	37	100 M. BACKSTROKE		1:00.51 Stuart Cromarty	35
26.46 Jeffrey Roddin	30	25.23 Stuart Cromarty	35	58.25 CLAY BRITT	96	1:01.39 Paul Stricker	39
26.89 Amon S Emeka	30	25.30 Bob Young	35	59.38 J Clay Britt	38	1:01.90 Gary Morton	37
26.94 Jim Jordan	34	25.35 Rory Lewis	38	1:01.55 Mike Frazer	38	1:02.14 Jason Crist	37
27.11 Stan Kroder	34	25.42 Alex Bailey	38	1:02.99 Michael Fell	38	1:03.00 John Sayre	37
27.14 Brent Matheson	32	25.42 Robert Fish	36	1:03.95 Danilo Vicioso	36	1:03.25 Norman Schippert	36
27.17 Mike Shaffer	34	100 M. FREESTYLE		1:03.96 John Sayre	37	200 M. BUTTERFLY	
27.36 Robert Kabacy	31	53.22 MARK NOETZEL	99	1:03.97 Jeff Bakehorn	35	2:04.50 BOBBY PATTEN	99
27.42 Roque Santos	31	53.22 Mark Noetzel	37	1:05.18 Doug Chestnut	35	2:04.50 Bobby Patten	36
100 M. BUTTERFLY		53.77 James Lilley	39	1:05.20 Tod Hill	36	2:07.20 Charlie Johnson	37
54.85 BRIAN ALDERMAN	99	53.85 Stuart Cromarty	35	1:05.39 Jim Griffin	36	2:17.70 Edmund Gendreau	37
54.85 Brian Alderman	30	54.05 Michael Fell	38	1:06.09 Robert Fish	36	2:18.25 Doug Stewart	35
56.57 John Keppeler	32	54.78 Dirk Marshall	37	200 M. BACKSTROKE		2:24.41 Igor Vazhenin	35
57.97 Jeffrey Roddin	30	55.01 Bruce Hayes	36	2:10.01 WILLIAM SPECHT	93	2:25.16 Marc Legoff	36
59.09 Neill Williams	31	55.34 Glenn Henry	39	2:14.82 Mike Frazer	38	2:27.00 Mike Booth	37
59.46 Mike Shaffer	34	55.36 Gary Morton	37	2:18.92 Doug Chestnut	35	2:27.62 Michael Given	35
1:00.21 Jim Jordan	34	55.56 Alex Bailey	38	2:23.25 Jim Griffin	36	2:28.54 James Boswell	39
1:00.53 Amon S Emeka	30	55.77 Robert Fish	36	2:24.82 Chris J Tainty	39	2:29.46 James Bledsoe	35
1:00.91 John O'Keefe	32	200 M. FREESTYLE		2:26.02 Tod Hill	36	100 M. INDIVIDUAL MEDLEY	
1:01.17 Senn Thomas	32	1:57.31 L J MEISENHEIMER	94	2:26.02 Mike Dowhy	36	59.28 CLAY BRITT	98
1:01.18 Sean Frampton	33	1:59.57 James Lilley	39	2:28.49 Edmund Gendreau	37	1:02.08 James Lilley	39
200 M. BUTTERFLY		1:59.73 Dale McElhattan	37	2:32.15 Mark Kaiser	36	1:02.25 Dean Putterman	37
2:04.59 MIKE SHAFER	95	2:00.01 Stuart Cromarty	35	2:33.02 Scott Yeomans	35	1:02.29 J Clay Britt	38
2:08.25 Jerome Frentsos	34	2:02.18 Doug Chestnut	35	2:33.04 Leonardo Espinosa	39	1:02.69 Dirk Marshall	37
2:09.28 Mike Shaffer	34	2:03.35 Gary Morton	37	50 M. BREASTSTROKE		1:03.52 Paul Stricker	39
2:14.69 Abraham Solano	30	2:03.76 Doug Stewart	35	28.77 WALLY DICKS	98	1:03.88 Danilo Vicioso	36
2:15.26 Lorenzo Benucci	32	2:04.40 Alex Bailey	38	29.53 Wally Dicks	36	1:04.64 Alex Bailey	38
2:16.60 Randy Eickhoff	34	2:04.63 Stephen Bauman	35	30.96 Dean Putterman	37	1:04.89 Jeff Bakehorn	35
2:19.10 Jason C Nielsen	32	2:04.66 Paul Stricker	39	32.36 David Guthrie	38	1:04.89 Stuart Cromarty	35
2:20.55 Bruce Hopson	33	2:04.88 Greg Werlinich	35	32.96 Clifford Yee	36	1:05.33 Edmund Gendreau	37
2:21.43 John Sloyan	31	400 M. FREESTYLE		33.19 Algernon Keith	39	200 M. INDIVIDUAL MEDLEY	
2:31.69 Jim Rhyne	34	4:11.21 BOBBY PATTEN	99	33.48 Donald Jensen	39	2:12.27 CHARLIE JOHNSON	99
2:32.60 David Mowers	34	4:11.21 Bobby Patten	36	33.53 Edmund Gendreau	37	2:12.27 Charlie Johnson	37
100 M. INDIVIDUAL MEDLEY		4:18.38 Doug Chestnut	35	33.60 Will Monroe	35	2:19.58 Doug Stewart	35
58.64 LORENZO BENUCCI	99	4:21.10 Doug Stewart	35	33.61 Terry Tongate	39	2:20.55 Dirk Marshall	37
57.03 Martin Zubero	30N	4:23.44 Stuart Cromarty	35	33.64 Anthony Thompson	35	2:22.19 Michael Neal	35
58.64 Lorenzo Benucci	32	4:26.82 Ricardo Valdivia	35	100 M. BREASTSTROKE		2:23.06 Paul Stricker	39
58.72 Roque Santos	31	4:27.75 Gerry Rodrigues	37	1:03.18 WALLY DICKS	98	2:24.15 Jeff Bakehorn	35
59.86 Neill Williams	31	4:30.13 Philip Hayman	38	1:04.36 Wally Dicks	36	2:24.25 Michael Dempsey	35
1:00.06 Brian Alderman	30	4:31.13 Greg Holles	36	1:08.13 Dean Putterman	37	2:24.84 Gerry Gray	39
1:02.07 Jim Harper	32	4:31.29 Igor Vazhenin	35	1:08.45 Glenn Mills	38	2:25.37 Greg Werlinich	35
1:02.39 Rob Latta	30	4:31.89 Greg Werlinich	35	1:09.85 David Guthrie	38	2:25.46 Mike Dowhy	36
1:04.12 Rob Berry	31	800 M. FREESTYLE		1:12.87 Andrew Brenan	39	400 M. INDIVIDUAL MEDLEY	
1:04.27 Michael Melnick	32	8:29.31 BOBBY PATTEN	99	1:13.18 Anthony Thompson	35	4:44.18 CHARLIE JOHNSON	99
1:04.27 Christopher Wood	31	8:29.31 Bobby Patten	36	1:13.83 Donald Jensen	39	4:44.18 Charlie Johnson	37
200 M. INDIVIDUAL MEDLEY		8:53.41 Doug Chestnut	35	1:14.25 John Sayre	37	4:56.32 Doug Chestnut	35
2:06.32 ROQUE SANTOS	99	9:03.99 Doug Stewart	35	1:14.32 Glenn Ringer	35	4:58.82 Doug Stewart	35
2:06.32 Roque Santos	31	9:06.96 Gerry Rodrigues	36	1:14.49 Terry Tongate	39	5:04.56 Edmund Gendreau	37
2:08.42 Jerome Frentsos	34	9:16.68 Greg Holles	36	200 M. BREASTSTROKE		5:07.62 Stuart Cromarty	35
2:08.43 Lorenzo Benucci	32	9:19.02 Stuart Cromarty	35	2:23.85 WALLY DICKS	99	5:08.45 Michael Neal	35
2:12.78 Abraham Solano	30	9:23.10 Danilo Vicioso	36	2:23.85 Wally Dicks	36	5:13.18 Marc Legoff	36
2:15.15 Stephen Smith	33	9:27.75 Philip Hayman	38	2:36.78 David Guthrie	38	5:13.42 Stephen Bauman	35
2:16.75 Bert Bergen	32	9:42.24 Karl Kolb	38	2:38.52 Andrew Brenan	39	5:13.54 Gerry Rodrigues	37
2:17.69 John O'Keefe	32	9:42.68 Edmund Gendreau	37	2:42.14 Anthony Thompson	35	5:15.64 Michael Given	35
2:18.67 Scott Robinson	34	1500 M. FREESTYLE		2:44.62 Dana Thomason	35		
2:20.07 Jason C Nielsen	32	15:58.20 BOBBY PATTEN	99	2:44.84 Edmund Gendreau	37	MEN 40-44	
2:20.56 Neill Williams	31	15:58.20 Bobby Patten	36	2:45.68 Donald Jensen	39	50 M. FREESTYLE	
400 M. INDIVIDUAL MEDLEY		17:38.57 Stuart Cromarty	35	2:48.19 Mark Larson	36	24.40 JOHN TUDOR	97
4:26.74 ROQUE SANTOS	99	17:57.40 Gerry Rodrigues	37	2:48.22 Michael Young	37	25.33 Jose Cunningham	43
4:26.74 Roque Santos	31	18:24.06 Edmund Gendreau	37	2:48.56 Terry Tongate	39	25.45 I Maxtone-Graham	40
4:32.23 Jerome Frentsos	34	18:30.85 Philip Hayman	38	50 M. BUTTERFLY		25.66 Ed Tsuzuki	41
4:41.44 Lorenzo Benucci	32	18:41.15 Bill Staebell	37	25.89 WILLIAM SPECHT	93	25.69 Gregory Oxley	41
4:45.32 Stephen Smith	33	18:48.18 Karl Kolb	38	26.01 Charlie Johnson	37	25.86 Andrew Saltzman	41
4:58.67 Randy Eickhoff	34	18:57.46 Mike Reid	38	26.08 Dirk Marshall	37	25.89 Thomas Meade	42
5:00.34 Jason C Nielsen	32	19:07.79 Steven Newman	37	26.40 Mark Noetzel	37	25.90 Fritz Lehman	41
5:13.24 Michael Hall	32	19:17.37 Michael Given	35	27.18 Norman Schippert	36	25.95 Mike Schmitz	41
5:13.83 Bruce Hopson	33	50 M. BACKSTROKE		27.40 Edmund Gendreau	37		

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

26.19 Geoff Heuchling	40	1:03.08 Fritz Lehman	41	1:05.11 Timothy Phillips	40	2:00.13 TIM BRODERICK	96
26.45 Tim Erickson	43	1:04.39 David Burleson	42	1:05.67 Sean Crockett	41	2:02.48 Jim McConica	49
• 100 M. FREESTYLE		1:04.44 Jonathan Klein	42	• 200 M. BUTTERFLY		2:06.15 Larry Wood	45
53.25 RICK ABBOTT	95	1:05.75 Vincent Morales	42	2:02.97 WILLIAM SPECHT	98	2:08.21 Jack Groselle	45
55.90 Robert Goldbloom	40	1:07.12 Peter Metzger	44	2:04.68 William Specht	41	2:10.29 Tom Reudy	45
55.92 Gregory Oxley	41	1:07.24 Mike Keck	40	2:24.55 Matthew Kanzler	42	2:12.02 Larry Krauser	46
56.15 Andrew Saltzman	41	1:07.61 Alan Godfrey	42	2:26.57 Jim Stites	42	2:12.97 Mark Modjeska	46
57.04 Scott Rabalais	41	1:07.84 Marty Hendrick	41	2:27.19 Bart McDermott	43	2:13.27 Rick Scray	45
57.18 John Martin	44	• 200 M. BACKSTROKE		2:28.49 Bill Ireland	40	2:13.93 Kevin McCormack	47
57.35 Fritz Lehman	41	2:09.61 WILLIAM SPECHT	98	2:29.01 Tom Gleason	42	2:14.85 Larry E Taggesell	46
57.81 Geoff Heuchling	40	2:10.79 William Specht	41	2:32.01 John Culhane	43	2:16.17 John Needham	46
57.98 Ed Tsuzuki	41	2:20.81 Gary Quinn	41	2:34.03 Bruce Hatton	42	• 400 M. FREESTYLE	
58.16 Alan Godfrey	42	2:23.01 David Burleson	42	2:35.57 David VanDam	44	4:14.73 JIM MCCONICA	99
58.24 Bill Adkison	44	2:23.79 Vincent Morales	42	2:39.14 Michael Lemke	42	4:14.73 Jim McConica	49
• 200 M. FREESTYLE		2:25.00 Alan Godfrey	42	• 100 M. INDIVIDUAL MEDLEY		4:31.64 Larry Wood	45
1:57.83 HESS YNTEMA	95	2:25.36 Marty Hendrick	41	1:01.79 JOHN TUDOR	97	4:42.87 Paul Feters	46
2:03.54 Andrew Saltzman	41	2:25.84 Wayde Mulhern	40	1:03.30 Robert Goldbloom	40	4:47.74 Frank Thompson	48
2:04.96 Greg Dozer	42	2:26.36 Jonathon Klein	42	1:03.54 Gregory Oxley	41	4:48.09 Robert Wright	45
2:04.99 Mike Keck	40	2:26.63 Bruce Hatton	42	1:04.51 Jose Cunningham	43	4:51.41 Larry E Taggesell	46
2:05.12 David Burleson	42	2:31.31 John Culhane	43	1:04.58 Pat Allender	41	4:52.19 Rick Scray	45
2:06.05 Gary Quinn	41	• 50 M. BREASTSTROKE		1:05.02 Benn Doyle	41	4:52.26 Larry Krauser	46
2:06.67 Scott Rabalais	41	30.75 BENN DOYLE	99	1:05.42 Mike Keck	40	4:52.38 Andre Bonte	46
2:07.99 Alan Godfrey	42	30.75 Benn Doyle	41	1:05.56 Alan Godfrey	42	4:54.54 Steve Clark	47
2:08.81 Jim Stites	42	31.78 Jose Cunningham	43	1:06.35 Bruce Wencel	44	• 800 M. FREESTYLE	
2:08.97 Gregory Oxley	41	32.03 Robert Goldbloom	40	1:06.38 Bill Adkison	44	8:56.08 TIM BRODERICK	96
2:09.34 Geoff Heuchling	40	32.44 Ron Schafer	42	1:07.54 Joe Wotton	40	9:33.03 Larry Wood	45
• 400 M. FREESTYLE		33.07 Pat Allender	41	• 200 M. INDIVIDUAL MEDLEY		9:50.06 Frank Thompson	48
4:09.10 WILLIAM SPECHT	99	33.19 Michael Leddy	40	2:12.25 JIM SORENSEN	98	9:52.86 John Needham	46
4:09.10 William Specht	41	33.50 Bruce Wencel	44	2:19.29 Pat Allender	41	9:55.53 Robert Wright	45
4:24.71 Andrew Saltzman	41	33.67 Karl Kazmaier	44	2:25.44 Fritz Lehman	41	10:04.86 Paul Windrath	45
4:27.99 David Burleson	42	34.24 John Cigler	40	2:26.26 Bill Adkison	44	10:05.59 Larry E Taggesell	46
4:28.99 Scott Rabalais	41	34.32 Chris Packard	41	2:26.40 Benn Doyle	41	10:16.61 Keith Robinson	45
4:32.70 Larry Black	41	• 100 M. BREASTSTROKE		2:26.50 Marty Hendrick	41	10:18.36 Tom Reudy	45
4:32.92 Rob Copeland	43	1:06.50 RON SCHAFFER	97	2:26.56 Matthew Kanzler	42	10:22.65 Jess Hickerson	47
4:34.76 Jim Stites	42	1:08.82 Benn Doyle	41	2:26.64 Alan Godfrey	42	10:23.21 Andre Bonte	46
4:40.23 Alan Godfrey	42	1:10.99 Pat Allender	41	2:30.95 Scott Rabalais	41	• 1500 M. FREESTYLE	
4:41.12 Tim Erickson	43	1:11.10 Ron Schafer	42	2:32.37 David Schrader	43	16:51.21 JIM MCCONICA	99
4:42.20 Bruce Hatton	42	1:11.99 Jose Cunningham	43	2:33.40 Mauro Bordovsky	43	16:51.21 Jim McConica	49
• 800 M. FREESTYLE		1:13.75 Michael Leddy	40	• 400 M. INDIVIDUAL MEDLEY		18:16.87 Larry Wood	45
8:49.83 HESS YNTEMA	95	1:15.34 Chris Packard	41	4:43.28 HESS YNTEMA	95	18:48.87 John Needham	46
9:09.06 Mike Keck	40	1:15.60 Mauro Bordovsky	43	5:00.15 Mike Keck	40	18:53.65 Paul Windrath	45
9:19.16 Andrew Saltzman	41	1:15.87 Matthew Kanzler	42	5:12.87 Bruce Hatton	42	19:19.17 Frank Thompson	48
9:24.55 David Burleson	42	1:15.90 David Schrader	43	5:14.39 Matthew Kanzler	42	19:25.66 Rick Scray	45
9:28.55 Larry Black	41	1:15.92 Scott Rabalais	41	5:20.80 Marty Hendrick	41	19:29.02 Andre Bonte	46
9:30.07 Scott Rabalais	41	• 200 M. BREASTSTROKE		5:22.54 John Culhane	43	19:36.35 Keith Robinson	45
9:30.21 Jim Stites	42	2:25.58 RON SCHAFFER	97	5:26.98 Bill Adkison	44	19:45.24 Steven Van Nort	48
9:48.80 Bruce Hatton	42	2:32.51 Benn Doyle	41	5:28.59 Winston Uchiyama	42	19:55.07 Dick Worrel	46
9:49.39 Tim Erickson	43	2:33.24 Pat Allender	41	5:31.32 Wayde Mulhern	41	• 50 M. BACKSTROKE	
9:52.75 Tim Burke	42	2:35.84 Ron Schafer	42	5:36.38 John R Morales	40	28.81 CASEY CLAFLIN	99
9:53.43 Brad Levinson	43	2:40.41 Mike Keck	40	5:44.82 Bruce Wencel	44	28.81 Casey Claflin	46
• 1500 M. FREESTYLE		2:42.97 Matthew Kanzler	42			29.45 Philipp Djang	45
16:51.71 HESS YNTEMA	95	2:44.47 Jose Cunningham	43	MEN 45-49		30.74 Mark Pugliese	47
17:54.76 Scott Rabalais	41	2:44.94 Craig Dallam	41	• 50 M. FREESTYLE		31.03 Jack Deppe	46
18:10.16 Larry Black	41	2:45.51 Mauro Bordovsky	43	25.07 RICHARD ABRAHAMS	91	31.08 Donald Graham	45
18:13.39 Rob Copeland	43	2:46.23 Chris Packard	41	25.51 Tom Whatley	48	31.39 Wayne King	47
18:16.62 David Burleson	42	2:46.95 John Cigler	40	25.68 Eric Van Boer	45	31.64 Tom Whatley	48
18:30.01 Jim Stites	42	• 50 M. BUTTERFLY		25.76 Jack Groselle	45	32.01 Cris Allen	46
18:48.87 Tim Burke	42	25.89 WILLIAM SPECHT	98	25.79 Donald Graham	45	32.18 Scott McMillen	46
18:55.13 Brad Levinson	43	26.06 William Specht	41	26.12 Larry Krauser	46	• 100 M. BACKSTROKE	
18:57.22 Scott Genkinger	40	26.77 Robert Goldbloom	40	26.25 Rick Peterson	48	1:03.39 PHILIPP DJANG	99
18:59.15 David Dunn	40	27.94 Jonathan Klein	42	26.39 Charles Lemaistre	45	1:03.39 Philipp Djang	45
19:07.42 Thomas Mack	41	27.98 Chris Dixon	42	26.47 Joel Stager	47	1:04.67 Casey Claflin	46
• 50 M. BACKSTROKE		28.28 Bruce Wencel	44	26.48 Greg Ellison	47	1:04.68 Tom Reudy	45
27.84 WILLIAM SPECHT	98	28.48 Vincent Morales	42	26.53 Robert Puels	48	1:06.29 Mark Pugliese	47
28.35 William Specht	41	28.57 Geoff Heuchling	40	• 100 M. FREESTYLE		1:07.54 Paul Feters	46
29.04 Fritz Lehman	41	28.59 Joe Wotton	40	55.63 LEE MENCH	97	1:08.46 Thomas Bliss	45
29.73 Gary Quinn	41	28.63 Greg Dozer	42	56.09 Jack Groselle	45	1:08.54 Scott McMillen	46
29.85 Jonathan Klein	42	28.64 Jeffery Dropsey	41	56.69 Casey Claflin	46	1:09.80 Lou Horwitz	46
30.39 David Burleson	42	• 100 M. BUTTERFLY		57.76 Larry Wood	45	1:10.52 Rick Scray	45
30.76 Peter Metzger	44	56.18 WILLIAM SPECHT	98	57.88 Mark Pugliese	47	1:10.59 Fred Farley	45
30.97 Jay Fisetze	43	56.84 William Specht	41	58.17 Donald Graham	45	• 200 M. BACKSTROKE	
31.66 Scott Snyder	42	1:00.85 Robert Goldbloom	40	58.20 Charles Lemaistre	45	2:19.12 PETER O'KEEFFE	98
31.91 Wayde Mulhern	40	1:01.73 Kerry L O'Brien	42	58.24 Gregory Ellison	47	2:22.05 Philipp Djang	45
32.07 Brian Fitzgibbons	43	1:02.42 Pat Allender	41	58.39 Larry Krauser	46	2:22.65 Paul Feters	46
• 100 M. BACKSTROKE		1:03.53 Greg Dozer	42	58.89 Robert Puels	48	2:24.90 Mark Pugliese	47
59.26 WILLIAM SPECHT	98	1:03.54 Gary Quinn	41	58.90 Tom Whatley	48	2:27.11 Thomas Bliss	45
1:01.25 William Specht	41	1:03.64 Mike Keck	40	• 200 M. FREESTYLE		2:27.56 Jeffrey Krongaard	45
1:02.91 Gary Quinn	41	1:04.52 Bart McDermott	43				

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

2:28.60 Jack Deppe	46	▪ 100 M. INDIVIDUAL MEDLEY	4:36.24 Tim Birnie	54	36.20 Dennis Wilson	50
2:30.84 Paul Windrath	45	1:02.99 TOM REUDY	4:52.58 Keith Bell	51	36.29 Wayne McCauley	51
2:31.59 Scott McMillen	46	1:02.99 Tom Reudy	4:53.85 Jim Teisher	50	36.43 Edward Nessel	54
2:34.23 Frank Thompson	48	1:05.26 Tom Whatley	4:54.98 Steve Heck	50	▪ 100 M. BREASTSTROKE	
2:35.27 William Tingley	49	1:05.51 Casey Claflin	4:56.06 Daniel Rogacki	52	1:09.96 ROBERT STRAND	96
▪ 50 M. BREASTSTROKE		1:06.20 Philipp Djang	4:57.50 Michael D Horwath	50	1:14.38 Allen Stark	50
31.83 ROBERT STRAND	95	1:06.50 Mark Pugliese	5:00.39 Brian Murphy	51	1:15.68 John Derr	50
33.19 John Templin	45	1:06.81 Donald Graham	5:03.38 Lynn Olson	52	1:15.85 Steve Heck	50
33.22 Richard Bohan	48	1:08.41 John Templin	5:05.95 Dave Gemmill	52	1:16.27 Daniel Rogacki	52
33.84 Eric Van Boer	45	1:08.49 Robert Puels	▪ 800 M. FREESTYLE		1:16.45 Bill Charbonneau	53
34.04 Tom Whatley	48	1:08.56 Rick Peterson	9:12.81 R TOD SPIEKER	98	1:19.60 J Nathan Leech	50
34.29 Jack Groselle	45	1:08.70 Thomas Bliss	9:12.86 R Tod Spieker	51	1:19.94 Edward Nessel	54
34.44 Robert Puels	48	▪ 200 M. INDIVIDUAL MEDLEY	9:43.15 Keith Bell	51	1:20.58 David Ugarkovich	50
35.04 Dana Cox	48	2:16.97 TOM REUDY	10:15.60 Stephen Johnson	51	1:21.00 Dennis J Wilson	51
35.39 James Huguenard	45	2:16.97 Tom Reudy	10:27.30 Brian Murphy	51	1:21.30 Larry Sprunk	52
35.51 Robert Liotta	48	2:23.57 Jeffrey Krongaard	10:31.27 John Nolan	51	▪ 200 M. BREASTSTROKE	
35.56 Bill Krieger	45	2:25.70 Philipp Djang	10:44.23 Paulo Figueiredo	53	2:34.71 ROBERT STRAND	96
▪ 100 M. BREASTSTROKE		2:26.79 Scott McMillen	10:44.27 Thomas MacAulay	50	2:40.80 Robert Strand	53
1:09.44 ROBERT STRAND	95	2:28.08 Larry Wood	10:52.14 Daniel Rogacki	52	2:43.93 John Derr	50
1:10.66 Tom Reudy	45	2:28.89 Thomas Bliss	10:52.14 Edwin Pyle	50	2:44.12 Steve Heck	50
1:12.63 John Templin	45	2:31.15 Paul Feters	10:54.74 Michael McColly	54	2:46.23 Allen Stark	50
1:15.83 Robert Puels	48	2:31.43 John Templin	▪ 1500 M. FREESTYLE		2:51.22 Daniel Rogacki	52
1:16.66 James Huguenard	45	2:32.90 Fred Farley	17:36.51 R TOD SPIEKER	99	2:53.92 Mike Sherrill	50
1:17.83 Rick Peterson	48	2:36.02 Michael Heather	17:36.51 R Tod Spieker	51	2:55.36 Dave Gemmill	52
1:18.27 Thomas Bliss	45	▪ 400 M. INDIVIDUAL MEDLEY	19:15.11 Keith Bell	51	2:55.83 David Ugarkovich	50
1:18.38 Bill Krieger	45	4:57.34 TOM REUDY	19:47.07 John Nolan	51	2:57.60 Edwin Pyle	50
1:18.46 Dana Cox	48	4:57.34 Tom Reudy	20:22.03 Michael D Horwath	50	2:57.96 Edward Nessel	54
1:18.77 Eric Van Boer	45	5:12.75 Scott McMillen	20:24.03 Brian Murphy	51	▪ 50 M. BUTTERFLY	
1:18.80 Jon Mayfield	46	5:14.67 Larry Wood	20:27.94 Robert Ginns	52	27.55 STEVE BOROWSKI	98
▪ 200 M. BREASTSTROKE		5:17.57 Jeffrey Krongaard	20:36.62 Edwin Pyle	50	28.63 Steve Heck	50
2:34.41 ROBERT STRAND	95	5:20.78 Thomas Bliss	20:38.27 Daniel Rogacki	52	29.01 John Derr	50
2:41.76 John Templin	45	5:29.22 David Levinson	21:10.90 Robert Bruce	51	29.13 Arthur Deffaa	51
2:45.53 James Huguenard	45	5:32.77 Paul Windrath	21:27.02 William Lotz	50	29.27 Michael Ahern	54
2:51.47 Larry Wood	45	5:37.60 Rick Scray	▪ 50 M. BACKSTROKE		29.48 Allen Rheem	50
2:51.93 Jon Mayfield	46	5:37.91 John McCall	29.50 HUGH WILDER	97	29.78 Daniel Rogacki	52
2:52.35 Fred Farley	45	5:40.78 Michael Heather	30.39 Tim Birnie	54	30.22 Matt Yingling	50
2:52.81 Thomas Bliss	45		31.20 Steve Heck	50	30.58 Michael D Horwath	50
2:53.76 Robert Brown	47	MEN 50-54	32.00 J Nathan Leech	50	30.64 Charles Crew	52
2:54.97 David Levinson	49	▪ 50 M. FREESTYLE	32.09 Bob Kolonkowski	51	30.85 Jed Cronin	51
2:55.32 Robert Liotta	48	24.73 RICH ABRAHAMS	32.45 Daniel Rogacki	52	▪ 100 M. BUTTERFLY	
2:55.33 Thomas Matysek	45	25.59 Roger Hawkins	32.62 Homer Lane	50	1:02.54 BOO GRANER GALLAS	97
▪ 50 M. BUTTERFLY		26.19 Steve Heck	32.69 Gregory Gush	51	1:05.89 Steve Heck	50
27.08 DAN THOMPSON	93	26.86 Michael Ahern	33.16 John Enterline	52	1:06.12 Andrew Mc Pherson	52
27.81 Donald Graham	45	26.99 Daniel Rogacki	34.92 Bill Pillmore	51	1:06.84 Mike Sherrill	50
27.92 Kevin McCormack	47	27.05 Gregory Gush	35.04 Bob Lombard	51	1:07.26 Arthur Deffaa	51
28.05 Mark Pugliese	47	27.30 Glenn Woodsum	▪ 100 M. BACKSTROKE		1:08.22 John Derr	50
28.09 John McCall	48	27.33 Homer Lane	1:04.17 HUGH WILDER	97	1:08.55 Fred Schlicher	51
28.18 John Craig	45	27.40 J Nathan Leech	1:05.31 Tim Birnie	54	1:09.86 Glenn A Storey	50
28.27 Casey Claflin	46	27.60 Bob Sinzheimer	1:06.24 R Tod Spieker	51	1:10.25 Joseph Coplan	54
28.66 Gregory Ellison	46	27.72 John Enterline	1:08.99 Steve Heck	50	1:10.39 Randy I Brown	51
28.85 Wayne King	47	▪ 100 M. FREESTYLE	1:10.40 J Nathan Leech	50	1:13.08 Paulo Figueiredo	53
29.02 Tom Coffey	48	56.63 KEEFE LODWIG	1:11.76 Gregory Gush	51	▪ 200 M. BUTTERFLY	
29.69 Rudy Vazmina	49	58.68 Tim Birnie	1:12.06 Andrew Mc Pherson	52	2:21.58 BOO GRANER GALLAS	97
29.69 Michael Tompkins	45	59.93 Steve Heck	1:12.08 Bob Kolonkowski	51	2:43.98 Daniel Rogacki	52
▪ 100 M. BUTTERFLY		1:00.10 Daniel Rogacki	1:12.84 Daniel Rogacki	52	2:44.74 Steve Heck	50
1:01.13 TOM PERRIN	96	1:00.42 J Nathan Leech	1:12.96 David Ugarkovich	50	2:44.83 Arthur Deffaa	51
1:02.42 Donald Graham	45	1:00.57 Homer Lane	1:14.94 Bob Sinzheimer	50	2:54.08 Francis Dann	53
1:02.48 John Craig	45	1:00.68 Glenn Woodsum	▪ 200 M. BACKSTROKE		2:55.73 Bob Kolonkowski	51
1:03.04 Kevin McCormack	47	1:00.84 Gregory Gush	2:20.42 R TOD SPIEKER	99	3:02.44 George Bowers	51
1:03.41 Mark Pugliese	47	1:01.74 Lynn Olson	2:20.42 R Tod Spieker	51	3:06.10 Bill Bobsin	51
1:03.55 Jeffrey Krongaard	45	1:02.01 Bob Sinzheimer	2:24.26 Tim Birnie	54	3:06.49 John Zeigler	54
1:04.12 John McCall	48	1:02.52 Matt Yingling	2:33.96 Steve Heck	50	3:07.85 T G Meehan	52
1:05.32 Gregory Ellison	47	▪ 200 M. FREESTYLE	2:38.30 Gregory Gush	51	3:20.43 Lawrence Seidman	52
1:06.21 Michael Heather	45	2:06.51 R TOD SPIEKER	2:38.67 J Nathan Leech	50	▪ 100 M. INDIVIDUAL MEDLEY	
1:06.27 Jack Deppe	46	2:06.51 R Tod Spieker	2:38.71 Bob Kolonkowski	51	1:04.97 ROBERT STRAND	96
1:06.81 Charles Carson	45	2:10.07 Tim Birnie	2:41.74 Daniel Rogacki	52	1:06.31 Steve Heck	50
▪ 200 M. BUTTERFLY		2:14.44 Steve Heck	2:47.48 Bob Sinzheimer	50	1:06.55 Robert Strand	53
2:18.31 DAVID VANDAM	0	2:15.57 J Nathan Leech	2:49.61 Bill Pillmore	51	1:07.31 John Derr	50
2:20.56 John Craig	45	2:17.19 Homer Lane	2:50.54 Donald L Galine	53	1:07.91 Daniel Rogacki	52
2:23.30 Jeffrey Krongaard	45	2:17.68 Richard Kittel	▪ 50 M. BREASTSTROKE		1:09.80 J Nathan Leech	50
2:29.99 John McCall	48	2:18.09 Brian Murphy	31.24 DON MCKENZIE	97	1:10.35 Allen Rheem	50
2:33.76 Robert Wright	45	2:18.27 Michael D Horwath	33.40 Allen Stark	50	1:10.69 David Ugarkovich	50
2:34.28 Thomas Bliss	45	2:19.06 Lynn Olson	34.16 John Derr	50	1:13.00 Jan Meyer	52
2:36.17 David Levinson	49	2:19.53 Donald L Galine	34.42 Steve Heck	50	1:13.14 George Bowers	51
2:38.16 Michael Heather	45	▪ 400 M. FREESTYLE	34.82 John Enterline	52	1:13.73 Fred Schlicher	51
2:39.06 Doug Wilson	49	4:28.84 R TOD SPIEKER	34.85 Daniel Rogacki	52	▪ 200 M. INDIVIDUAL MEDLEY	
2:39.23 Mark Blagdon	45	4:28.84 R Tod Spieker	35.49 Arthur Deffaa	51	2:25.01 ROBERT STRAND	97
2:41.95 Robert Liotta	48		35.80 Jan Meyer	52	2:26.51 Steve Heck	50

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

2:29.60 R Tod Spieker	51	11:23.73 Tom Landis	57	1:24.52 Allen Murray	55	6:08.50 Jack Iliff	55
2:32.38 John Derr	50	11:25.16 Bill Conroy	56	200 M. BREASTSTROKE		6:22.15 Tom Landis	57
2:32.89 Daniel Rogacki	52	11:37.42 Will Gosnold	59	2:49.21 TEGZE HARASZTI	98	6:28.01 Dick Pitman	55
2:36.74 Andrew Mc Pherson	52	11:41.40 Bob Bourassa	58	2:51.12 Tex Haraszi	58	6:30.37 Gordon DeMeester	57
2:36.79 Brian Murphy	51	11:41.62 Bob Hopkins	57	2:51.40 Kenneth Frost	55	6:35.05 Kingsley Boyd	56
2:39.23 David Ugarkovich	50	11:43.52 Robert Tesch	58	2:59.87 Jim Pelissier	55	6:39.81 Donald J Kroeger	56
2:40.19 Homer Lane	50	1500 M. FREESTYLE		3:00.93 Peter Andersen	56	6:45.23 Douglas Bailey	57
2:41.00 J Nathan Leech	50	19:18.99 JACK GEOGHEGAN	97	3:00.98 Allen Murray	55		
2:41.66 Dave Gemmill	52	20:08.00 Robert Williams	57	3:03.48 Mike Freshley	58	MEN 60-64	
400 M. INDIVIDUAL MEDLEY		20:52.15 Don M Davis	55	3:04.41 Don M Davis	55		
5:12.31 R TOD SPIEKER	99	21:19.64 Tom Landis	57	3:04.56 Phil Whitten	56	50 M. FREESTYLE	
5:12.31 R Tod Spieker	51	21:36.06 Bill Conroy	56	3:05.11 Peter Betzer	57	27.42 CAV CAVANAUGH	98
5:24.35 Steve Heck	50	21:59.94 Will Gosnold	59	3:08.32 Jack Iliff	55	26.85 Jeff Farrell	62N
5:34.27 Mike Sherrill	50	22:01.53 Donald J Kroeger	56	50 M. BUTTERFLY		28.01 Jerry Clark	62
5:37.91 John Derr	50	22:06.52 Robert Tesch	58	28.57 JIM DRAGON	99	28.02 Cav Cavanaugh	64
5:40.57 Daniel Rogacki	52	22:14.03 Mike Freshley	58	28.57 Jim Dragon	55	28.62 Bob Bailie	64
5:43.61 Bob Kolonkowski	51	22:18.48 Bob Bourassa	58	29.79 Robert Smith	56	29.72 Douglas Brown	60
5:51.04 Edwin Pyle	50	22:30.19 Richard Monahan	58	30.37 Richard Bassi	58	29.79 Bill Earley	63
5:57.12 Allen Rheem	50	50 M. BACKSTROKE		30.61 Kenneth Bergquist	55	29.98 Jerry Katz	61
5:59.99 Glenn A Storey	50	30.35 ROBERT SMITH	99	30.75 Paul T Boggs	55	30.18 Pete Magee	62
6:01.08 George Bowers	51	30.35 Robert Smith	56	31.26 Richard Alexander	55	30.36 Kenneth Miller	61
		32.05 Richard Alexander	55	31.62 Mike Freshley	58	30.38 Ronald Nakata	60
MEN 55-59							
50 M. FREESTYLE		33.09 Bob Welty	55	31.91 Jack Iliff	55	100 M. FREESTYLE	
26.60 DONALD HILL	89	33.94 Richard Bassi	58	32.23 Karl Von Tagen	56	1:02.08 BOB BAILIE	95
26.61 Jim Dragon	55	34.03 Vinus Van Baalen	57	32.92 Vinus Van Baalen	57	1:02.92 Cav Cavanaugh	64
26.63 Robert Smith	56	35.10 Jack Iliff	55	100 M. BUTTERFLY		1:03.28 Jerry Clark	62
27.68 Vinus Van Baalen	57	35.66 Harold Murray	58	1:06.29 ROBERT POILETMAN	98	1:03.32 Jeff Farrell	62
27.95 Peter Andersen	56	35.97 Jim Green	56	1:06.34 Robert Poiletman	56	1:05.13 Bob Bailie	64
28.17 Richard Bassi	58	36.16 Bill Rupert	56	1:13.67 Dick Pitman	55	1:06.76 Steve Moseley	61
28.41 Richard Alexander	55	36.61 E Norman Scott	55	1:14.61 Richard Bassi	58	1:07.39 Bill Earley	63
28.41 Karl Von Tagen	56	100 M. BACKSTROKE		1:14.91 Ilkka Suvanto	56	1:09.15 Pete Magee	62
28.42 Mike Freshley	58	1:08.34 RICHARD BURNS	98	1:17.45 Kenneth Bergquist	55	1:10.10 Kenneth Miller	61
28.56 George C Viguie	55	1:10.79 Robert Smith	56	1:18.05 Fred Kennelly	55	1:11.87 Russell Henshaw	61
29.00 Norman Scott	55	1:14.35 Paul T Boggs	55	1:22.52 Larry Raffaelli	56	1:12.55 David Painter	61
100 M. FREESTYLE		1:15.65 Bob Welty	55	1:22.91 Jack Iliff	55	200 M. FREESTYLE	
59.49 JACK GEOGHEGAN	97	1:16.73 Bill Rupert	56	1:23.15 Douglas Bailey	57	2:17.36 DRURY GALLAGHER	98
1:02.62 Don M Davis	55	1:17.17 Vinus Van Baalen	57	1:24.76 Tom Landis	57	2:25.19 Drury Gallagher	61
1:03.24 Mike Freshley	58	1:17.42 Eric Jensen	58	200 M. BUTTERFLY		2:28.22 Cav Cavanaugh	64
1:03.71 George C Viguie	55	1:17.72 Jack Iliff	55	2:31.16 ROBERT POILETMAN	98	2:29.14 Jerry Clark	62
1:04.17 Vinus Van Baalen	57	1:17.84 Richard Bassi	58	2:32.62 Robert Poiletman	56	2:29.45 Ernie Leskovitz	62
1:04.36 David R Gildea	56	1:19.53 Hugh Roddin	57	2:49.38 Hugh Roddin	57	2:35.35 Bill Earley	63
1:04.44 Karl Von Tagen	56	1:20.10 Larry Raffaelli	56	2:56.07 Dick Pitman	55	2:36.58 Pete Magee	62
1:04.89 Tom Landis	57	200 M. BACKSTROKE		3:08.26 Mike Freshley	58	2:47.54 Jerry Katz	61
1:05.19 Richard Bassi	58	2:32.73 RICHARD BURNS	98	3:23.25 Peter Betzer	57	2:48.03 Dick A Peterson	62
1:05.19 Norman Scott	55	2:44.08 Bob Welty	55	3:27.91 Douglas Bailey	57	2:48.33 Jim Bigler	64
1:05.42 Ilkka Suvanto	56	2:46.95 Eric Jensen	58	3:31.65 Donald Kroeger	56	2:52.22 John Medici	61
200 M. FREESTYLE		2:47.14 Richard Bassi	58	3:45.65 Ken Heuck	55	400 M. FREESTYLE	
2:13.20 JACK GEOGHEGAN	97	2:53.14 Bill Rupert	56	3:46.48 Neal Wiener	55	4:54.94 DRURY GALLAGHER	98
2:20.97 Don Davis	55	2:55.05 Jim Pelissier	55	4:02.07 Richard Juhala	56	5:18.27 Cav Cavanaugh	64
2:23.12 Robert Williams	57	2:55.21 Norman Scott	55	100 M. INDIVIDUAL MEDLEY		5:22.43 Ernie Leskovitz	62
2:23.49 Tom Landis	57	2:55.53 Peter Betzer	57	1:09.02 ROBERT SMITH	99	5:32.63 Douglas Brown	60
2:25.70 Karl Von Tagen	56	2:57.16 Vinus Van Baalen	57	1:09.02 Robert Smith	56	5:38.96 Dick A Peterson	62
2:25.80 George C Viguie	55	2:57.55 Larry Raffaelli	56	1:11.84 Tex Haraszi	58	5:44.01 A Emory Haworth	63
2:26.97 Mike Freshley	58	3:00.22 Bob Hopkins	57	1:13.61 Richard Alexander	55	5:52.11 Steve Moseley	61
2:29.23 Will Gosnold	59	3:00.22 Gordon DeMeester	57	1:13.68 Jack Iliff	55	5:53.67 Robert Norris	61
2:29.67 Donald J Kroeger	56	50 M. BREASTSTROKE		1:13.98 Ilkka Suvanto	56	6:01.04 Jim Bigler	64
2:30.56 David R Gildea	56	33.54 PETER ANDERSEN	99	1:15.11 Jim Pelissier	55	6:01.93 Kenneth Miller	61
2:32.08 Robert Poiletman	56	33.54 Peter Andersen	56	1:15.23 Kenneth Frost	55	6:02.10 Alan Schmeiser	64
400 M. FREESTYLE		34.01 Jim Dragon	55	1:15.62 Mike Freshley	58	800 M. FREESTYLE	
4:48.69 JACK GEOGHEGAN	97	34.06 Scott Guthrie	55	1:16.35 Kingsley Boyd	56	10:10.78 DRURY GALLAGHER	98
5:07.81 Don M Davis	55	35.02 Kenneth Frost	55	1:16.64 Phil Whitten	56	10:13.85 Drury Gallagher	61
5:13.11 Robert Williams	57	35.75 Robert Smith	56	200 M. INDIVIDUAL MEDLEY		11:01.52 Mel Goldstein	61
5:18.01 Richard Bassi	58	36.22 Louis Kronfeld	56	2:36.95 ED CAZALET	98	11:29.24 Jerry Clark	62
5:22.62 Tom Landis	57	36.39 Jim Pelissier	55	2:38.72 Tex Haraszi	58	12:02.12 A Emory Haworth	63
5:27.94 Jack Iliff	55	36.60 Kingsley Boyd	56	2:45.06 Robert Williams	57	12:11.14 Robert Norris	61
5:28.66 Daniel Davis	57	36.97 Charles Lee	55	2:45.16 Jim Pelissier	55	12:15.11 Barry A Fasbender	62
5:29.86 Bill Conroy	56	37.21 Don Davis	55	2:46.14 Jack Iliff	55	12:30.81 Bill Earley	63
5:33.13 Will Gosnold	59	100 M. BREASTSTROKE		2:48.13 Mike Freshley	58	12:38.97 Dick A Peterson	62
5:33.40 George C Viguie	55	1:16.32 MANUEL SANGUILY	88	2:53.67 Kingsley Boyd	56	13:41.44 William Murray	62
5:36.37 Bob Hopkins	57	1:17.43 Kenneth Frost	55	2:55.18 Eric Jensen	58	13:41.65 Albert Morley	62
800 M. FREESTYLE		1:17.65 Peter Andersen	56	3:00.30 Harold Murray	58	1500 M. FREESTYLE	
10:12.58 ED CAZALET	98	1:17.79 Scott Guthrie	55	3:00.75 Douglas Stern	56	19:48.44 GRAHAM JOHNSTON	95
10:23.07 Tex Haraszi	58	1:18.39 Tex Haraszi	58	3:03.62 Bob Hopkins	57	21:01.17 Ernie Leskovitz	62
10:43.60 Robert Williams	57	1:19.70 Jim Pelissier	55	400 M. INDIVIDUAL MEDLEY		23:03.13 Barry A Fasbender	62
10:58.82 Don Davis	55	1:22.36 Louis Kronfeld	56	5:30.62 DRURY GALLAGHER	95	23:20.31 Robert Norris	61
11:21.43 Donald J Kroeger	56	1:23.46 Charles Lee	55	6:01.51 Hugh Roddin	57	23:26.90 Steve Moseley	61
		1:23.65 Jack Iliff	55	6:05.35 Robert Williams	57	25:29.41 Albert Morley	62
		1:24.33 Kingsley Boyd	56	6:08.15 Mike Freshley	58	25:42.31 James Johnsen	64

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

25:52.77 William Murray	62	31.70 Bert Petersen	61	31.03 Chuck Baldwin	69	40.56 Stan McConnell	68
26:58.57 Edward Morgan	60	32.15 Bob Bailie	64	31.04 Bob Best	67	• 100 M. BACKSTROKE	
28:17.72 Jim E Perilman	60	32.27 Jeff Farrell	62	31.40 Wally Dobler	65	1:14.66 YOSHI OYAKAWA	98
29:02.41 Peter Yaw	62	32.80 Drury Gallagher	61	31.59 Donald Baker	68	1:21.69 Yoshi Oyakawa	66
• 50 M. BACKSTROKE		32.99 Cav Cavanaugh	64	31.75 Alan Rapperport	66	1:23.48 Clarke Mitchell	67
34.05 JACK BEATTIE	94	34.26 Ronald Nakata	60	31.88 Graham Johnston	68	1:24.67 Alan Rapperport	66
34.28 Bill Earley	63	34.36 A Emory Haworth	63	31.98 Robert W Mayo	65	1:26.46 Dren Geer	65
35.71 Marshall Greer	63	34.50 Jerry Katz	61	• 100 M. FREESTYLE		1:29.93 Ken Kimball	69
35.78 David McIntyre	62	34.56 Jim Perilman	60	1:04.30 RON JOHNSON	98	1:31.67 Bob Maul	65
35.86 Jeff Farrell	62	34.79 Bill Earley	63	1:06.87 David Radcliff	65	1:33.69 John Goode	65
37.96 Lee Bettis	61	• 100 M. BUTTERFLY		1:08.55 Dren Geer	65	1:35.85 John Bleck	66
39.12 John Trainer	62	1:13.79 DRURY GALLAGHER	98	1:08.86 Wally Dobler	65	1:35.93 Robert Coulter	66
39.79 Robert Norris	61	1:14.97 Drury Gallagher	61	1:09.94 Alan Rapperport	66	1:36.24 William E Grohe	66
39.83 George Thayer	63	1:16.20 Ernie Leskovitz	62	1:10.45 Bill King	66	• 200 M. BACKSTROKE	
39.86 David Painter	61	1:17.57 Mel Goldstein	61	1:10.84 Donald Baker	68	2:52.77 ROGER FRANKS	94
40.55 Ray Ascherfeld	64	1:20.20 A Emory Haworth	63	1:12.75 Robert W Mayo	65	3:02.89 Alan Rapperport	66
• 100 M. BACKSTROKE		1:22.70 Jim E Perilman	60	1:13.64 Graham Johnston	68	3:08.42 Clarke Mitchell	67
1:13.55 JACK BEATTIE	94	1:22.74 Barry Fasbender	62	1:14.68 Ken Kimball	69	3:11.95 Dren Geer	65
1:18.96 Drury Gallagher	61	1:24.35 Bob Bailie	64	1:14.70 Arnie Green	67	3:16.15 Mike Milliman	65
1:20.69 Bill Earley	63	1:28.22 William Jones	62	• 200 M. FREESTYLE		3:20.54 Ken Kimball	69
1:23.79 Lee Bettis	61	1:28.88 Dick A Peterson	62	2:22.07 GRAHAM JOHNSTON	97	3:20.97 John Bleck	66
1:24.31 Marshall Greer	63	1:30.33 Bill McClung	60	2:35.44 David Radcliff	65	3:22.54 Arnie Green	67
1:24.49 Robert Norris	61	• 200 M. BUTTERFLY		2:37.84 Dren Geer	65	3:27.13 Stan McConnell	68
1:25.47 Joel Jacobs	63	2:49.56 DRURY GALLAGHER	98	2:39.56 Graham Johnston	68	3:28.52 Paul Kiell	69
1:27.58 Pete Magee	62	3:10.01 Jim E Perilman	60	2:40.21 Bill King	66	3:30.47 Robert Coulter	66
1:27.59 Ray Ascherfeld	64	3:14.19 A Emory Haworth	63	2:46.95 Robert W Mayo	65	• 50 M. BREASTSTROKE	
1:28.69 William Murray	62	3:17.23 Barry Fasbender	62	2:49.15 Arnie Green	67	36.07 MANUEL SANGUILY	98
1:30.31 David Painter	61	3:30.10 William Jones	62	2:50.15 Clarke Mitchell	67	38.08 John Kortheuer	68
• 200 M. BACKSTROKE		3:32.70 Landon Kirchner	61	2:51.14 Donald Baker	68	39.87 Myron Lockey	68
2:40.75 JACK BEATTIE	94	3:35.24 Bill McClung	60	2:51.38 Ken Kimball	69	40.53 Chuck Baldwin	69
2:49.62 Drury Gallagher	61	3:47.29 Joe Bolze	60	2:51.46 Elmer Egelkraut	66	40.58 Bob Patten	65
3:04.61 Bill Earley	63	3:49.54 Edward Morgan	60	• 400 M. FREESTYLE		41.56 Norman E Stupfel	66
3:04.67 Robert Norris	61	4:10.49 Carl House	60	5:09.09 GRAHAM JOHNSTON	96	42.00 Harry Piper	65
3:09.58 Lee Bettis	61	4:15.38 David Harrington	64	5:30.59 David Radcliff	65	43.11 Milton Marks	69
3:15.81 Ray Ascherfeld	64	• 100 M. INDIVIDUAL MEDLEY		5:46.93 Graham Johnston	68	43.33 John Bleck	66
3:15.83 Landon Kirchner	61	1:09.95 DRURY GALLAGHER	98	5:50.96 Bill King	66	43.56 Graham Johnston	68
3:16.01 Steve Moseley	61	1:11.50 Drury Gallagher	61	6:05.52 Robert W Mayo	65	43.65 Paul Lewinter	68
3:16.32 William Murray	62	1:17.43 Cav Cavanaugh	64	6:06.16 Arnie Green	67	• 100 M. BREASTSTROKE	
3:17.03 Joel Jacobs	63	1:17.56 Ronald Nakata	60	6:06.55 Roger C Campbell	69	1:22.34 MANUEL SANGUILY	98
3:18.08 John Trainer	62	1:18.59 Bill Earley	63	6:07.74 Elmer Egelkraut	66	1:26.15 John Kortheuer	68
• 50 M. BREASTSTROKE		1:23.05 Dick A Peterson	62	6:15.36 Ken Kimball	69	1:28.78 Bob Patten	65
34.52 DRURY GALLAGHER	98	1:23.51 Jim Perilman	60	6:24.88 Tom Mitchell	66	1:33.69 Norman E Stupfel	66
36.72 George Downs	61	1:23.62 A Emory Haworth	63	6:26.13 Dick Chisholm	65	1:34.33 Harry Piper	65
38.52 Milton Gee	62	1:24.69 George Thayer	63	• 800 M. FREESTYLE		1:36.60 Donald Baker	68
38.68 Jim Perilman	60	1:24.87 William Crowley	60	10:35.13 GRAHAM JOHNSTON	96	1:37.43 Myron Lockey	68
39.47 Pete Arnold	60	1:26.77 Steve Allen	63	11:20.66 David Radcliff	65	1:38.53 John Bleck	66
40.39 Bill Earley	63	• 200 M. INDIVIDUAL MEDLEY		12:10.26 Bill King	66	1:39.49 Paul Lewinter	68
40.58 Bill McClung	60	2:40.14 DRURY GALLAGHER	98	12:31.23 Robert W Mayo	65	1:40.02 Milton Marks	69
41.58 Joel Jacobs	63	2:53.17 Mel Goldstein	61	12:44.33 Roger C Campbell	69	1:40.69 John Van Horn	67
41.59 Doug Holmes	63	2:56.50 Dick A Peterson	62	12:47.94 Elmer Egelkraut	66	• 200 M. BREASTSTROKE	
41.75 William Crowley	60	3:02.02 William Crowley	60	13:01.81 Arnie Green	67	3:13.30 BOB PATTEN	99
42.15 Stanley E Panko	61	3:03.25 A Emory Haworth	63	13:04.36 Dick Chisholm	65	3:13.30 Bob Patten	65
• 100 M. BREASTSTROKE		3:03.34 Bill Earley	63	13:13.26 Paul Kiell	69	3:26.25 Bob Best	67
1:18.08 DRURY GALLAGHER	98	3:04.21 Pete Magee	62	13:20.03 Ken Kimball	69	3:27.67 John Bleck	66
1:18.20 Drury Gallagher	61	3:09.97 William Jones	62	13:43.38 Donald Baker	68	3:33.79 Walter Lincoln	66
1:26.76 Jim E Perilman	60	3:11.23 Jim E Perilman	60	• 1500 M. FREESTYLE		3:35.50 Harry Piper	65
1:29.52 Milton Gee	62	3:13.49 Joel Jacobs	63	19:53.18 GRAHAM JOHNSTON	96	3:35.87 Norman E Stupfel	66
1:29.62 Pete Arnold	60	3:14.38 Barry A Fasbender	62	22:50.16 Bill King	66	3:38.63 Myron Lockey	68
1:30.74 William Crowley	60	• 400 M. INDIVIDUAL MEDLEY		24:21.65 Elmer Egelkraut	66	3:41.97 Donald Baker	68
1:31.01 Bill Earley	63	5:39.12 DRURY GALLAGHER	99	24:23.95 Roger C Campbell	69	3:46.89 Paul Lewinter	68
1:31.37 Bill McClung	60	5:39.12 Drury Gallagher	61	24:39.41 Dick Chisholm	65	3:48.03 Charl Weatherbee	67
1:31.52 Joel Jacobs	63	6:33.42 Ernie Leskovitz	62	26:29.33 Ken Kimball	69	• 50 M. BUTTERFLY	
1:33.29 Landon Kirchner	61	6:39.79 A Emory Haworth	63	27:09.67 Tom Mitchell	66	31.65 RON JOHNSON	98
1:34.00 Doug Holmes	63	6:45.30 Barry A Fasbender	62	27:17.55 Dick Bower	69	33.33 Wally Dobler	65
• 200 M. BREASTSTROKE		6:55.15 Joel Jacobs	63	27:32.75 William E Grohe	66	34.64 Herb Kern	67
2:53.12 DRURY GALLAGHER	98	7:01.20 William Jones	62	29:10.47 Nicholas Berenyi	67	34.79 John Kortheuer	68
3:11.96 Dick A Peterson	62	7:08.15 James Johnsen	64	29:31.28 Doug Brogan	67	36.14 Chuck Baldwin	69
3:14.34 William Crowley	60	7:11.51 Jim E Perilman	60	• 50 M. BACKSTROKE		36.37 Clarke Mitchell	67
3:20.02 Jim Perilman	60	7:15.14 Steve Moseley	61	33.38 YOSHI OYAKAWA	99	37.24 Parry O'Brien	67
3:20.99 Joel Jacobs	63	7:26.55 Joseph Bolze	60	33.38 Yoshi Oyakawa	66	37.39 Dren Geer	65
3:27.08 Steve Moseley	61			36.90 Clarke Mitchell	67	37.94 Graham Johnston	68
3:28.79 Barry A Fasbender	62	MEN 65-69		38.47 George Gfroerer	65	39.32 Donald Baker	68
3:31.44 Landon Kirchner	61	• 50 M. FREESTYLE		38.65 Wally Dobler	65	39.74 Bill Bond	68
3:32.38 John Medici	61	28.02 RON JOHNSON	98	39.33 Alan Rapperport	66	• 100 M. BUTTERFLY	
3:34.44 Joseph Bolze	60	29.72 David Radcliff	65	39.56 Graham Johnston	68	1:16.70 RON JOHNSON	98
3:39.25 Pete Arnold	60	30.28 Yoshi Oyakawa	66	39.67 Chuck Baldwin	69	1:25.11 Herb Kern	67
• 50 M. BUTTERFLY		30.72 Dren Geer	65	39.77 Ken Kimball	69	1:31.18 Dren Geer	65
30.34 BOB BAILIE	95			40.20 John Goode	65	1:36.94 Elmer Egelkaut	66

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

1:39.87 Parry O'Brien	67	1:23.34 Jordan Wolle	71	3:13.71 Horace Knowlton	70	5:19.19 Doug Strong	74
1:41.34 Sam Chilton	65	1:27.27 Fred W Trask	71	3:21.67 William Haynes	73	8:24.10 C Andrew Pretzer	71
1:42.40 Herbert Nakama	69	1:27.38 Lee Arth	74	3:22.35 Floyd Elliott	73	▪ 100 M. INDIVIDUAL MEDLEY	
1:43.15 John Bleck	66	1:28.45 Ernest Moore	72	3:33.51 Luman Sutton	72	1:20.99 FRANK PIEMME	95
1:44.20 John Bauman	69	▪ 200 M. FREESTYLE		3:38.20 Lee Arth	74	1:26.20 Frank Piemme	74
1:44.68 Norman E Stupfel	66	2:34.64 WILLIAM PHILLIPS	98	3:42.80 Ted Haartz	71	1:27.20 Robert MacDonald	71
1:45.18 Donald Baker	68	2:48.15 Roger Franks	72	3:44.36 Thomas Maine	74	1:29.76 Horace Knowlton	70
▪ 200 M. BUTTERFLY		3:06.68 William Irwin	71	3:48.17 Milton Brier	71	1:31.20 George Erswell	73
3:06.43 RON JOHNSON	96	3:07.94 Fred W Trask	71	3:55.36 Paul Lowry	72	1:32.94 Ted Haartz	71
3:23.49 Dren Geer	65	3:09.32 Donald Hubbard	72	4:12.68 Robert Williams	72	1:33.26 Roger Franks	72
3:31.21 Herb Kern	67	3:11.56 Jordan Wolle	71	▪ 50 M. BREASTSTROKE		1:34.04 Dick Webber	70
3:41.56 Elmer Egelkraut	66	3:14.57 Lee Arth	74	39.74 JOSEPH KURTZMAN	96	1:35.95 William Haynes	73
3:48.21 Sam Chilton	65	3:22.19 Thomas Maine	74	41.60 Charles Urstadt	71	1:37.93 Eric Guest	70
3:49.35 Gordon Gillin	69	3:23.79 Vester Boone	74	42.22 Robert MacDonald	71	1:46.22 Isaac Siskind	71
4:00.09 Mike Torsney	69	3:23.84 Doug Strong	74	42.70 Aaron Kurtzman	70	▪ 200 M. INDIVIDUAL MEDLEY	
4:03.20 Donald Messer	68	3:26.08 Frank Samoya	73	44.05 Dan Gruender	70	3:05.96 FRANK PIEMME	95
4:04.51 David Staley	69	▪ 400 M. FREESTYLE		44.15 Alan Maloney	70	3:15.71 Frank Piemme	74
4:13.62 Parry O'Brien	67	5:35.49 FRANK PIEMME	95	44.31 Horace Knowlton	70	3:19.85 Roger Franks	72
4:18.64 Bill Rodgers	67	5:58.69 Roger Franks	72	44.77 Ted Haartz	71	3:20.96 Horace Knowlton	70
▪ 100 M. INDIVIDUAL MEDLEY		6:25.86 Lee Arth	74	45.06 Joe Kurtzman	73	3:24.63 Lee Arth	74
1:15.61 RON JOHNSON	96	6:41.56 Mo Mathews	72	45.94 John Reese	74	3:33.50 Alan Maloney	70
1:21.15 John Kortheuer	68	6:56.81 Fred W Trask	71	46.42 Donald Hubbard	72	3:43.31 Eric Guest	70
1:23.37 Bob Best	67	6:59.56 Jordan Wolle	71	▪ 100 M. BREASTSTROKE		3:46.12 Harvey Prosser	71
1:24.33 Herb Kern	67	7:06.37 Doug Strong	74	1:29.48 BARTON GREENBERG	94	3:47.22 Luman Sutton	72
1:25.57 Clarke Mitchell	67	7:15.99 Joaquin Silverio	73	1:31.38 Robert MacDonald	71	4:00.47 Isaac Siskind	71
1:26.68 Chuck Baldwin	69	7:23.72 R Briesemeister	74	1:37.41 Ted Haartz	71	4:15.34 Vester Boone	74
1:29.32 Donald Baker	68	7:28.43 William Irwin	71	1:41.04 Horace Knowlton	70	▪ 400 M. INDIVIDUAL MEDLEY	
1:30.56 Charl Weatherbee	67	7:41.65 Alan Maloney	70	1:41.19 Alan Maloney	70	6:38.98 FRANK PIEMME	95
1:31.18 Robert W Mayo	65	▪ 800 M. FREESTYLE		1:41.70 Aaron Kurtzman	70	7:01.05 Roger Franks	72
1:31.69 John Bleck	66	11:38.41 FRANK PIEMME	95	1:41.86 Frank Piemme	74	7:06.71 Frank Piemme	74
1:32.20 Gordon Gillin	69	12:14.93 Roger Franks	72	1:42.51 Joe Kurtzman	73	7:30.71 Thomas Maine	74
▪ 200 M. INDIVIDUAL MEDLEY		13:08.89 Lee Arth	74	1:43.15 Dan Gruender	70	7:33.76 Lee Arth	74
2:51.68 GRAHAM JOHNSTON	97	14:04.61 Fred W Trask	71	1:43.64 Gene Sapper	70	8:35.20 Isaac Siskind	71
2:54.77 Wally Dobler	65	14:48.40 Jordan Wolle	71	1:44.06 Mo Mathews	72	9:34.63 Doug Strong	74
3:04.45 Graham Johnston	68	15:06.29 Vester Boone	74	▪ 200 M. BREASTSTROKE		10:51.84 Al Rogerson	74
3:14.19 Clarke Mitchell	67	15:20.67 Don L Stupfel	71	3:20.58 AL CRAIG	98		
3:16.16 Herb Kern	67	15:27.58 Alan Maloney	70	3:25.63 Al Craig	72	<u>MEN 75-79</u>	
3:20.87 John Bleck	66	15:33.18 Frank Samoya	73	3:27.02 Robert MacDonald	71	▪ 50 M. FREESTYLE	
3:23.10 Donald Baker	68	15:45.30 Doug Strong	74	3:30.04 Frank Piemme	74	32.78 KELLEY LEMMON	88
3:28.19 Norman E Stupfel	66	16:08.16 John Daily	72	3:35.04 Horace Knowlton	70	33.94 Paul Hutinger	75
3:32.80 Charl Weatherbee	67	▪ 1500 M. FREESTYLE		3:45.39 Alan Maloney	70	34.13 John Florance	77
3:33.50 Gordon Gillin	69	22:30.87 WILLIAM PHILLIPS	98	3:46.37 Ted Haartz	71	34.64 Jurgen Schmidt	76
3:36.82 Tom Mitchell	66	23:11.67 Roger Franks	72	3:47.18 Lee Arth	74	35.79 Robert Blake	75
▪ 400 M. INDIVIDUAL MEDLEY		25:27.70 Lee Arth	74	3:50.22 Paul Lowry	72	36.43 John Murphy	75
6:04.40 GRAHAM JOHNSTON	96	28:03.45 Jordan Wolle	71	3:57.73 Dan Gruender	70	37.49 Louis Giberson	79
6:58.78 Herb Kern	67	28:05.87 Doug Strong	74	3:58.45 Thomas Maine	74	37.82 Richard Avery	76
7:23.35 John Bleck	66	29:29.43 Alan Maloney	70	▪ 50 M. BUTTERFLY		38.46 Elmer Frost	76
7:29.31 Charl Weatherbee	67	29:36.65 Vester Boone	74	34.77 FRANK PIEMME	95	38.55 Earl Walter	78
7:34.44 Gordon Gillin	69	29:42.23 Joaquin Silverio	73	35.67 Frank Piemme	74	38.75 Gilbert Young	77
7:41.07 Arnie Green	67	30:33.79 John Daily	72	38.56 Joe Kurtzman	73	38.75 Robert Sigersmith	75
7:43.61 Tom Mitchell	66	31:30.62 Don L Stupfel	71	38.78 Donald Hubbard	72	▪ 100 M. FREESTYLE	
7:46.75 Norman E Stupfel	66	32:01.02 M Wayne Tubbs	73	39.55 Dick Webber	70	1:13.47 RAY TAFT	95
7:56.30 Mike Milliman	65	▪ 50 M. BACKSTROKE		39.83 Aaron Kurtzman	70	1:20.36 John Florance	77
8:06.14 David Staley	69	35.71 PAUL HUTINGER	94	41.96 William Irwin	71	1:20.92 Jurgen Schmidt	76
8:12.92 Sam Chilton	65	39.60 Horace Knowlton	70	43.34 Alan Maloney	70	1:24.49 Robert Blake	75
		40.58 Floyd Elliott	73	44.29 Gene Sapper	70	1:25.33 John Murphy	75
		41.48 William Haynes	73	44.73 Lee Arth	74	1:25.89 Gilbert Young	77
		44.25 Robert Bloebaum	73	46.93 Jarka Burian	72	1:26.02 Paul Hutinger	75
		47.02 Alan Maloney	70	▪ 100 M. BUTTERFLY		1:28.47 John Woods	76
		47.37 Henry Griesbach	70	1:26.98 JOSEPH KURTZMAN	96	1:29.88 Bob Merrick	79
		47.49 George Erswell	73	1:33.00 Robert MacDonald	71	1:29.92 Louis Giberson	79
		48.19 Ted Haartz	71	1:35.80 Joe Kurtzman	73	1:32.08 Robert Mosard	78
		48.41 Paul Lowry	72	1:44.54 Roger Franks	72	▪ 200 M. FREESTYLE	
		48.99 Don L Stupfel	71	1:46.50 Donald Hubbard	72	2:48.67 RAY TAFT	94
		▪ 100 M. BACKSTROKE		1:48.03 Lee Arth	74	3:00.57 Jurgen Schmidt	76
		1:21.74 PAUL HUTINGER	94	1:49.21 Eric Guest	70	3:08.12 John Florance	77
		1:25.77 Horace Knowlton	70	1:49.22 Alan Maloney	70	3:16.79 Gilbert Young	77
		1:25.92 Roger Franks	72	1:49.78 Gene Sapper	70	3:27.16 Dick Wartena	75
		1:29.33 Floyd Elliott	73	1:55.18 Harvey Prosser	71	3:29.61 Bob Merrick	79
		1:32.91 William Haynes	73	2:09.72 Freddy Edwards	74	3:30.77 John Woods	76
		1:41.36 Ted Haartz	71	▪ 200 M. BUTTERFLY		3:34.88 Robert Mosard	78
		1:42.18 Lee Arth	74	3:26.07 JOSEPH KURTZMAN	96	3:41.10 Bob Perry	76
		1:43.28 George Erswell	73	3:44.68 Thomas Maine	74	3:44.27 Elmer Frost	76
		1:44.84 Luman Sutton	72	3:46.18 Joe Kurtzman	73	3:44.37 Jack Huber	77
		1:45.47 Harvey Prosser	71	3:46.64 Roger Franks	72	▪ 400 M. FREESTYLE	
		1:46.20 Paul Lowry	72	3:50.77 Lee Arth	74	6:02.95 RAY TAFT	95
		▪ 200 M. BACKSTROKE		4:03.67 Gene Sapper	70	6:29.63 Jurgen Schmidt	76
		2:55.73 ROGER FRANKS	98	4:12.37 Alan Maloney	70		

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

6:57.39 William Blanchard 76	55.10 Tom Mc Call 76	400 M. INDIVIDUAL MEDLEY 76	58.40 Robert Stringham 80
7:15.00 Robert Blake 75	100 M. BREASTSTROKE 75	7:08.53 RAY TAFT 94	100 M. BACKSTROKE 99
7:15.21 Gilbert Young 77	1:37.39 ALDO DA ROSA 92	7:44.68 Jurgen Schmidt 76	1:33.58 RAY TAFT 80
7:16.75 James Edwards 77	1:47.89 Paul Hutinger 75	9:14.28 Robert Blake 75	1:33.58 Ray Taft 80
7:20.12 Bob Merrick 79	1:51.13 George Melick 79	10:22.93 Vladimir Ouchakof 76	1:40.99 Aldo V Da Rosa 81
7:44.88 Dick Wartena 75	1:51.29 Bob Merrick 79	11:30.10 Jay Charles 77	1:47.37 Harry Liber 81
7:53.13 Louis Giberson 79	1:51.87 Tom Dowell 77	15:12.76 Robert McDermott 77	1:50.11 John Merrill 82
7:53.24 Elmer Frost 76	1:55.79 Raymond Hakomaki 79	16:40.46 T R Johnson 77	1:53.11 John White 83
7:53.93 Bob Perry 76	1:56.97 Norman Garsoe 76		1:53.76 Al Vande Weghe 83
800 M. FREESTYLE 76	1:57.79 Xingkang Cao 75	MEN 80-84	1:58.62 Wallace Sawhill 80
12:45.40 RAY TAFT 94	2:05.34 Tom Mc Call 76		2:10.65 Robert Stringham 80
13:37.38 Jurgen Schmidt 76	2:06.30 Richard Avery 76	50 M. FREESTYLE 78	2:22.16 Richard Bradford 83
14:40.05 Gilbert Young 77	2:07.11 Robert Spaulding 78	35.16 WOODROW BOWERSOCK 93	2:24.77 John Brouk 82
15:41.81 Dick Wartena 75	200 M. BREASTSTROKE 75	36.78 Aldo V Da Rosa 81	200 M. BACKSTROKE 99
17:09.73 Edward Swiecki 75	3:34.29 ALDO DA ROSA 93	37.19 Jim Eubank 84	3:23.73 RAY TAFT 80
17:11.02 Elmer Frost 76	4:03.44 Paul Hutinger 75	38.15 Raymond F Taft 80	3:23.73 Ray Taft 80
17:11.04 Robert Sigersmith 75	4:05.11 Norman Garsoe 76	38.82 Steve Carlson 80	3:54.31 Aldo V Da Rosa 81
18:46.98 Vladimir Ouchakof 76	4:07.80 George Melick 75	40.25 Jerry Siefert 82	4:01.48 John Merrill 82
20:24.13 Robert Atwood 79	4:09.43 Bob Merrick 79	43.48 Al Vande Weghe 83	4:02.69 Harry Liber 81
22:58.43 Albert Chipman 77	4:27.41 Tom Mc Call 77	46.01 Alexander Luther 84	4:12.00 John White 83
25:21.16 T R Johnson 77	4:29.87 Xingkang Cao 75	48.21 John Merrill 82	4:12.27 Wallace Sawhill 80
1500 M. FREESTYLE 76	4:31.93 Richard Avery 76	49.49 John Melville 80	4:16.85 Al Vande Weghe 83
24:46.19 ALDO DA ROSA 93	4:57.39 James Williamson 75	50.43 Robert Stringham 80	4:50.72 Robert Stringham 80
26:16.70 Jurgen Schmidt 76	5:01.18 John Stern 75	100 M. FREESTYLE 76	5:10.06 Richard Bradford 83
29:47.50 Bob Merrick 79	6:26.01 Jay Charles 76	1:20.65 WOODROW BOWERSOCK 93	6:02.94 Paul Golar 80
31:38.11 Tom Mc Call 77	50 M. BUTTERFLY 75	1:21.52 Raymond F Taft 80	50 M. BREASTSTROKE 99
32:20.97 Robert Sigersmith 75	38.70 RAY TAFT 95	1:24.60 Jim Eubank 84	45.40 MAX VON ISSER 80
33:46.44 Elmer Frost 76	40.36 Jurgen Schmidt 76	1:25.13 Aldo V Da Rosa 81	45.40 Max Von Isser 80
38:42.62 Joseph Mallon 78	41.20 Paul Hutinger 75	1:28.02 Steve Carlson 80	47.49 Aldo V Da Rosa 81
46:10.65 T R Johnson 77	46.77 Louis Giberson 79	1:47.93 Alexander Luther 84	48.54 Paul Krup 82
50 M. BACKSTROKE 75	49.78 Tom Dowell 77	1:53.41 Harry Bartlett 83	51.26 Raymond F Taft 80
38.38 PAUL HUTINGER 99	52.38 Robert Blake 75	1:55.99 Maurice Stern 83	1:00.45 Jopaul Steiner 83
38.38 Paul Hutinger 75	55.74 George Brinton 75	2:06.85 John Melville 80	1:02.52 Harry Bartlett 83
45.35 John Murphy 75	56.06 Pierce Bray 75	2:08.49 John Woods 81	1:06.17 Richard Bradford 83
45.71 George Brinton 75	57.79 Richard Evans 75	2:09.02 Robert E Freeman 83	1:08.49 John Brouk 82
46.29 Earl Walter 78	58.37 John Stern 75	200 M. FREESTYLE 77	1:16.17 Robert Stringham 80
46.80 Richard Avery 76	1:02.25 George Bradbeer 77	3:00.63 RAY TAFT 99	1:28.87 Charles Woolls 84
46.89 Willis Wynn 76	100 M. BUTTERFLY 76	3:00.63 Raymond F Taft 80	100 M. BREASTSTROKE 99
47.25 John Woods 76	1:36.80 PAUL KRUP 92	3:10.66 Aldo V Da Rosa 81	1:43.54 MAX VON ISSER 80
49.36 George Melick 75	1:56.29 Jurgen Schmidt 76	3:10.90 Jim Eubank 84	1:43.54 Max Von Isser 80
50.52 Gilbert Young 77	2:02.52 Robert McDermott 77	3:28.23 Steve Carlson 80	1:49.05 Aldo V Da Rosa 81
50.56 Jack Huber 75	2:12.10 Robert Blake 75	3:56.77 Harry Bartlett 83	1:56.38 Paul Krup 82
100 M. BACKSTROKE 75	2:22.68 Pierce Bray 75	4:16.45 Alexander Luther 84	2:08.71 Wallace Sawhill 80
1:26.25 PAUL HUTINGER 99	2:36.91 John Stern 75	4:21.25 John Woods 81	2:10.47 E Don McCullough 84
1:26.25 Paul Hutinger 75	2:49.05 Vladimir Ouchakof 76	5:08.72 Richard Bradford 83	2:39.63 Richard Bradford 83
1:39.60 John Murphy 75	2:53.13 Bob Acker 78	5:55.69 William McCarthy 82	4:02.44 Melvin H Lichtman 80
1:45.88 George Brinton 75	3:05.53 Jay Charles 76	400 M. FREESTYLE 77	200 M. BREASTSTROKE 98
1:47.68 Jurgen Schmidt 76	3:46.39 T R Johnson 77	6:27.60 RAY TAFT 99	3:58.96 ALDO DA ROSA 81
1:47.83 Bob Merrick 76	200 M. BUTTERFLY 76	6:27.60 Ray Taft 80	4:10.89 Aldo V Da Rosa 81
1:47.86 John Woods 76	3:49.00 PAUL KRUP 92	7:09.10 Aldo V Da Rosa 81	4:43.42 E Don McCullough 84
1:48.69 George Melick 75	6:02.05 Vladimir Ouchakof 76	7:16.29 Steve Carlson 80	7:50.43 Frank Scarano 80
1:50.99 Raymond Hakomaki 79	6:06.62 Robert Blake 75	7:21.45 Jim Eubank 84	9:01.68 Melvin H Lichtman 80
1:52.75 Richard Avery 76	6:11.17 Jay Charles 77	8:18.56 Harry Bartlett 83	50 M. BUTTERFLY 99
1:56.10 Gilbert Young 77	7:06.28 Bob Acker 78	8:20.17 John Merrill 82	41.87 ANDREW HOLDEN 80
200 M. BACKSTROKE 75	8:05.33 T R Johnson 77	9:17.58 John Woods 81	41.87 Andrew Holden 80
3:10.22 RAY TAFT 94	100 M. INDIVIDUAL MEDLEY 75	9:35.74 Maurice Stern 83	42.14 Max Von Isser 80
3:20.05 Paul Hutinger 75	1:27.43 RAY TAFT 94	12:20.42 William McCarthy 82	47.55 Raymond F Taft 80
3:53.00 James Edwards 77	1:33.15 Paul Hutinger 75	800 M. FREESTYLE 76	49.96 Paul Krup 82
3:57.60 George Melick 75	1:34.01 Jurgen Schmidt 76	13:29.27 RAY TAFT 99	1:07.27 E Don McCullough 84
3:58.28 Bob Merrick 79	1:49.30 John Woods 76	13:29.27 Raymond F Taft 80	1:25.68 Robert Stringham 80
4:01.24 John Woods 76	1:49.40 Robert Blake 75	15:14.99 Jim Eubank 84	100 M. BUTTERFLY 97
4:02.53 George Brinton 75	1:51.15 Richard Avery 76	17:53.26 John Woods 81	1:50.39 ANTON CERER 80
4:07.09 Raymond Hakomaki 79	1:56.76 Tom Mc Call 77	21:15.79 Robert E Freeman 83	1:53.80 Raymond F Taft 80
4:08.72 Norman Garsoe 76	2:01.36 Pierce Bray 75	22:32.60 Frank Scarano 80	2:00.46 Paul Krup 82
4:15.25 Richard Avery 76	2:06.65 Willis Wynn 76	1500 M. FREESTYLE 76	200 M. BUTTERFLY 97
4:20.44 Pierce Bray 75	2:15.90 Elmer Frost 76	25:35.01 RAY TAFT 99	4:00.64 ANTON CERER 84
50 M. BREASTSTROKE 76	2:16.29 Vladimir Ouchakof 76	25:35.01 Ray Taft 80	5:43.45 E Don McCullough 84
42.85 PAUL KRUP 93	200 M. INDIVIDUAL MEDLEY 75	50 M. BACKSTROKE 78	9:00.72 Frank Scarano 80
46.06 Tom Dowell 77	3:20.35 RAY TAFT 94	42.96 RAY TAFT 99	100 M. INDIVIDUAL MEDLEY 99
46.83 Paul Hutinger 75	3:30.35 Jurgen Schmidt 76	42.96 Ray Taft 80	1:35.31 RAY TAFT 80
48.44 George Melick 75	4:10.00 Robert Blake 75	47.68 Aldo V Da Rosa 81	1:35.31 Ray Taft 80
51.51 Xingkang Cao 75	4:28.17 Pierce Bray 75	49.92 John White 83	1:38.56 Andrew Holden 80
51.74 Richard Avery 76	4:52.00 Ted Simon 77	50.41 Harry Liber 81	1:42.58 Aldo V Da Rosa 81
51.87 Norman Garsoe 76	4:57.28 Vladimir Ouchakof 76	50.57 Steve Carlson 80	1:47.80 Max Von Isser 80
53.84 John Florence 77	5:17.86 Richard Evans 75	51.24 John Merrill 82	1:50.36 Paul Krup 82
53.91 Willis Wynn 76	5:39.24 Jay Charles 76	51.93 Jerry Siefert 82	1:58.68 Wallace Sawhill 80
54.24 Robert Spaulding 78	6:25.75 Robert McDermott 75	53.84 Al Vande Weghe 83	1:59.83 Al Vande Weghe 83
55.10 Walter Lynch 78	7:54.92 T R Johnson 77	54.05 Wallace Sawhill 80	3:02.96 Paul Golar 80

1999 SHORT-COURSE METERS - TOP-TEN INDIVIDUALS

▪ 200 M. INDIVIDUAL MEDLEY		6:41.62 Otto Hahn	86	NO SWIMMERS	
3:37.04 RAY TAFT	99	9:47.20 Ruben Berg	86		
3:37.04 Raymond F Taft	80	▪ 50 M. BREASTSTROKE		MEN 95-99	
3:49.70 Aldo V Da Rosa	81	58.39 JIM PENFIELD	93		
4:27.03 Wallace Sawhill	80	1:16.22 Frank Tillotson	85	▪ 50 M. FREESTYLE	
4:55.82 E Don McCullough	84	1:17.91 Dave Malbrough	86	57.57 GUS LANGNER	98
5:22.60 Robert Stringham	80	2:52.12 Ruben Berg	86	59.07 Gus Langner	96
6:57.62 Frank Scarano	80	▪ 100 M. BREASTSTROKE		▪ 100 M. FREESTYLE	
▪ 400 M. INDIVIDUAL MEDLEY		2:08.69 WALTER PFEIFFER	98	2:19.51 GUS LANGNER	98
7:37.58 RAY TAFT	99	3:10.07 Dexter Woodford	86	2:24.21 Gus Langner	96
7:37.58 Ray Taft	80	3:10.19 Frank Tillotson	85	▪ 200 M. FREESTYLE	
10:45.22 E Don McCullough	84	3:44.53 Frank Starr	89	5:13.46 GUS LANGNER	98
		▪ 200 M. BREASTSTROKE		5:28.42 Gus Langner	96
MEN 85-89		4:44.32 WALTER PFEIFFER	98	▪ 400 M. FREESTYLE	
		6:56.09 Frank Tillotson	85	10:51.93 GUS LANGNER	98
▪ 50 M. FREESTYLE		▪ 50 M. BUTTERFLY		11:28.13 Gus Langner	96
37.16 WOODROW BOWERSOCK	98	52.74 WALTER PFEIFFER	98	▪ 800 M. FREESTYLE	
37.46 Woodrow Bowersock	86	1:39.42 Frank Tillotson	85	22:05.55 GUS LANGNER	98
53.03 Dave Malbrough	86	▪ 100 M. BUTTERFLY		25:25.84 Gus Langner	96
55.94 Dexter Woodford	86	2:04.50 WALTER PFEIFFER	98	▪ 1500 M. FREESTYLE	
1:08.93 Frank Starr	89	NO SWIMMERS		41:29.87 GUS LANGNER	98
1:09.96 Frank Tillotson	85	▪ 200 M. BUTTERFLY		NO SWIMMERS	
3:06.68 Ruben Berg	86	4:49.10 WALTER PFEIFFER	98	▪ 50 M. BACKSTROKE	
▪ 100 M. FREESTYLE		NO SWIMMERS		1:27.67 GUS LANGNER	98
1:29.62 WOODROW BOWERSOCK	98	▪ 100 M. INDIVIDUAL MEDLEY		1:29.53 Gus Langner	96
1:31.40 Woody Bowersock	86	2:15.66 JIM PENFIELD	93	▪ 100 M. BACKSTROKE	
1:58.52 Dexter Woodford	86	2:11.22 Woodrow Bowersock	86N	3:38.07 GUS LANGNER	98
2:02.72 Dave Malbrough	86	2:37.56 Frank Tillotson	85	3:44.48 Gus Langner	96
2:13.29 Fred Walbolt	87	▪ 200 M. INDIVIDUAL MEDLEY		▪ 200 M. BACKSTROKE	
2:17.57 Frank Tillotson	85	4:24.58 WALTER PFEIFFER	98	8:32.34 GUS LANGNER	98
2:42.59 Frank Starr	89	NO SWIMMERS		9:24.80 Gus Langner	96
▪ 200 M. FREESTYLE		▪ 400 M. INDIVIDUAL MEDLEY		▪ 50 M. BREASTSTROKE	
3:47.84 WOODROW BOWERSOCK	98	9:32.65 WALTER PFEIFFER	98	1:31.60 GUS LANGNER	98
3:56.21 Woody Bowersock	86	NO SWIMMERS		1:35.33 Gus Langner	96
4:28.13 Dexter Woodford	86	MEN 90-94		▪ 100 M. BREASTSTROKE	
4:54.83 Dave Malbrough	86			3:35.33 GUS LANGNER	98
▪ 400 M. FREESTYLE		▪ 50 M. FREESTYLE		NO SWIMMERS	
7:54.24 GUS LANGNER	88	50.09 GUS LANGNER	93	▪ 200 M. BREASTSTROKE	
8:39.85 Woody Bowersock	86	1:35.05 Harold Hoffmann	91	7:29.31 GUS LANGNER	98
9:15.67 Dexter Woodford	86	▪ 100 M. FREESTYLE		8:04.72 Gus Langner	96
11:04.27 Frank Tillotson	85	1:58.42 GUS LANGNER	93	▪ 100 M. INDIVIDUAL MEDLEY	
14:08.73 Otto Hahn	86	4:21.96 Harold Hoffman	92	3:33.98 GUS LANGNER	98
▪ 800 M. FREESTYLE		▪ 200 M. FREESTYLE		NO SWIMMERS	
16:53.90 GUS LANGNER	88	4:27.70 GUS LANGNER	93	MEN 100-104	
18:55.62 Dexter Woodford	86	NO SWIMMERS		▪ 50 M. FREESTYLE	
19:11.31 Dave Malbrough	86	▪ 400 M. FREESTYLE		2:06.66 TOM LANE	95
19:56.39 Woodrow Bowersock	86	8:50.65 GUS LANGNER	93	NO SWIMMERS	
▪ 1500 M. FREESTYLE		NO SWIMMERS		▪ 100 M. FREESTYLE	
32:20.20 GUS LANGNER	88	▪ 800 M. FREESTYLE		4:32.29 TOM LANE	95
35:52.47 Dexter Woodford	86	23:32.20 GUS LANGNER	98	NO SWIMMERS	
36:34.86 Woodrow Bowersock	86	NO SWIMMERS		▪ 50 M. BACKSTROKE	
37:32.13 Dave Malbrough	86	▪ 1500 M. FREESTYLE		2:02.52 TOM LANE	95
47:07.53 Frank Tillotson	85	44:48.99 GUS LANGNER	96	NO SWIMMERS	
▪ 50 M. BACKSTROKE		NO SWIMMERS			
48.79 EDWARD SHEA	99	▪ 50 M. BACKSTROKE			
48.79 Edward Shea	85	1:07.88 JIM PENFIELD	98		
53.73 Dave Malbrough	86	NO SWIMMERS			
55.79 Woodrow Bowersock	86	▪ 100 M. BACKSTROKE			
1:00.37 Frank Tillotson	85	2:40.88 JOE KAUFMAN	95		
1:21.51 Otto Hahn	86	NO SWIMMERS			
1:23.83 Fred Walbolt	87	▪ 200 M. BACKSTROKE			
1:39.03 Frank Starr	89	5:44.64 JOE KAUFMAN	96		
2:08.87 Ruben Berg	86	NO SWIMMERS			
▪ 100 M. BACKSTROKE		▪ 50 M. BREASTSTROKE			
1:48.95 EDWARD SHEA	99	1:07.22 JIM PENFIELD	98		
1:48.95 Edward Shea	85	NO SWIMMERS			
2:06.44 Dave Malbrough	86	▪ 100 M. BREASTSTROKE			
2:10.27 Woody Bowersock	86	2:45.20 JIM PENFIELD	98		
2:12.74 Frank Tillotson	85	NO SWIMMERS			
3:15.59 Otto Hahn	86	▪ 200 M. BREASTSTROKE			
4:46.83 Ruben Berg	86	6:41.56 GUS LANGNER	94		
▪ 200 M. BACKSTROKE		NO SWIMMERS			
4:41.98 WOODROW BOWERSOCK	99	▪ 50 M. BUTTERFLY			
4:28.62 Edward Shea	85N	1:29.42 JIM PENFIELD	98		
4:41.98 Woody Bowersock	86	NO SWIMMERS			
4:45.00 Frank Tillotson	85	▪ 100 M. INDIVIDUAL MEDLEY			
4:46.56 Dave Malbrough	86	3:00.53 GUS LANGNER	94		
6:09.68 Fred Walbolt	87				

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

WOMEN'S RELAYS							
		SAN DIEGO	1:53.26	GAJA	2:15.24	NEM	2:47.42
		K PIPES-NEILSEN		Paige Joyner	38	Ann Fredette	54
		BETH KNIGHT		Bentley Marane	56	Manya Hult	54
		MATHILDE BOUWMA		Patricia Mattson	46	Jae Kane	51
		NANCY NORTH		Penny Noyes	45	Susan Barbary	49
200 M. FREE REL WOMEN 76+		GEORGIA	1:57.64	TEAM GREENVILLE	2:18.23	OJAI-SANTA BARB	2:55.60
		Penny Noyes	45	Beth Scheiman	37	Lois Goodman	52
NEW ENGLAND	1:54.83	Iona Wynter	31	Carrie Oshields	22	Carole Borland	56
CORINNE MURPHY		Heidi Ernst	47	Mary Lou Hill	51	Leslie Ann Ogden	52
LESLIE ALLEN		Amber Totz	21	Barbara Merin	65	Katherine Watson	51
MICHELLE HACKMER		SPM	1:58.61	MENLO PARK	2:18.31	WIS MASTERS	2:55.84
S STRINGFELLOW		Allison Beebe	23	Laurie Ausserer	44	Jane Stewart	57
NEM	1:54.83	Cathy Shonkwiler	39	Rebecca Pinto	45	Carol Reinke	63
Corinne Murphy	26	Tricia Moses	40	Judy Strauss	45	Nancy Kranpitz	54
Leslie Allen	24	Charlott Petersen	35	Ginny Langmuir	47	Candy Christenson	52
Michelle Hackmer	23	NORTH CAROLINA	2:02.98	GEORGIA	2:19.80		
S Stringfellow	24	Heather Hageman	29	Franci Williamson	51	200 M. FREE REL WOMEN 240+	
		Lee Ann Britt	25	Karol Welling	38	NEW ENGLAND	2:25.52
200 M. FREE REL WOMEN 100+		Sue Haugh	38	Lisa Watson	45	CLARA WALKER	
		Laurie Watson	37	Jennifer Simpson	32	BILLIE A BURRILL	
MICHIGAN	1:45.93	CRAWFISH AQUATI	2:03.52	NEM	2:24.57	DIANE REED	
DYNE BURRELL		Miah Broussard	23	Kelly Sherwood	46	JENNIFER LUKER	
SUSIE DEVLIN		Karlene Wise	46	Jo-Ann Finn	50	SAN DIEGO SWIM	2:34.11
MARY MUETING		Leslie Stanley	38	Susan Ketchen	47	Betsy Jordan	62
SHEILA TAORMINA		Jennifer Stlonaker	41	Barb Handler	42	Ann Shenck Dallam	69
GRIN	2:04.86	PNA	2:05.84	NEM	2:28.29	Deborah Peckham	60
Dahnja Geary	25	Linda Hegeberg	29	Sandy Woodcock	43	Barbara G Dunbar	50
Jane Stevens	22	Leslie McCullough	30	Deborah Edin	37	GOLD	2:35.95
Kris Houchens	32	Maggie Kinsella	42	Sally Fellows	44	June Krauser	73
Sachi Sawamura	33	Carolyn Mathews	37	Constance Hallett	40	Cynthia Bruce	71
DCAC	2:06.40	GARDEN STATE MA	2:06.48	ROLLING HILLS	2:32.44	Anne Laborwit	49
Leslie Rhee	25	A Luallen-Scholz	34	Cathy Dial	39	Rorie Anderson	48
Elizabeth Reisch	27	Laura Smith	29	Suzanne Cochrane	39	NORTH CAROLINA	3:08.43
Joanne Sonberg	25	M Dellisanti	32	Laurel Bowden	43	Mary Vass	63
Jennifer Drake	24	Susan Kirk	39	Joy Ambra	44	Sandra Kremer	63
NEM	2:07.01	MARYLAND MASTER	2:08.44	200 M. FREE REL WOMEN 200+		Nancy McPhee	66
Amanda Telford	30	Muriel Vandenberg	26	SAN DIEGO	2:08.11	Sally Newell	62
Jodi Shaw	28	Jill Springer	40	K PIPES-NEILSEN		HEARTLAND S A M	3:26.75
Carol Prescott	30	Carol Declue	35	JACKIE MARR		Marlee Valderhaug	58
Sara Berry	25	Julie Peterson	23	JEANNE LITTLE		Judy Tilaro	65
OREG	2:10.92	ARIZ	2:10.12	MARILYN FINK		Bernie Pollett	63
Shauna Simpson	28	Brenda Creswell	37	SAN DIEGO SWIM	2:08.11	Elfriede Lehto	66
Susan Thornton	34	Laura Winslow	39	K Pipes-Neilsen	37	FMM	3:36.60
Lisa Gorsline	24	Robin Vaughn	35	Jackie M Marr	56	Regan Kenner	76
Francesc Gambetti	27	Katryn James	44	Jeanne H Little	62	Margie Hutinger	59
ARIZ	2:12.33	MENLO PARK	2:11.30	Marilyn A Fink	45	Gladys Olsen	73
Katherine Daru	31	Lisa Sheeper	35	OREG	2:12.18	Doris Prokopi	64
Joann Davis	27	Juliet Applewhite	38	Jackie Quattro	52	ELMWOOD SHARKS	4:13.52
Jennifer Foote	24	Joanna Belkin	36	Joy Ward	57	Betty Russo	68
Deanna Meloche	23	Deanna Lin	36	Jeanne Teisher	48	Eileen Brener	64
NEM	2:14.02	LA MESA MASTERS	2:11.84	Mary Jackson	43	Frances Shelton	60
Michelle McDevitt	37	Bj Williston	38	GOLD	2:30.41	Rosemary Kariker	80
Erin Thomas	27	Joanne Steinauer	36	Ardis Bourland	67	200 M. FREE REL WOMEN 280+	
Aiyana Currie	23	Wendy Alcock	29	Mary Alvarez	60	OJAI S BARBARA	2:52.62
Katherine Rink	28	Shawna Dail	24	Lil Haneman	44	RUTH BAAR	
ARIZ	2:15.48	200 M. FREE REL WOMEN 160+		Celia Devanney	42	SHIRLEY ERICKSON	
Tanya Nieri	28	SAN DIEGO	1:54.94	ELMWOOD SHARKS	2:31.28	GRACE ALTUS	
Ellen Baird	30	BETH KNIGHT		Janice Campbell	53	GAY COLLINS	
Audra Trocce	26	CAROLINE KRATTLI		Barbara Bower	61	SAN DIEGO SWIM	3:21.33
Shirley Chow	33	BARBARA DUNBAR		Cecile Many	45	Adrienne Pipes	65
NEM	2:17.19	K PIPES-NEILSEN		Mindy Orkus	42	Ann Shenck Dallam	69
Elizabeth Boehm	25	SAN DIEGO SWIM	2:05.21	SPM	2:36.49	Diana Silva	77
Rebecc Kupcinskas	25	K Pipes-Neilsen	37	Sherry Brewer	41	Marian Wolle	71
Jessie Toland	31	Jackie Marr	56	Sandy Steer	60	SAN MATEO	3:46.55
Laurie Ellis	36	Jeni Buys	30	Pam Geiger	47	Miek McCubbin	64
LA MESA MASTERS	2:17.65	Mary Gregorio	46	Jayne Lambke	60	Audrey Etienne	83
Pamela Rabin	29	GOLD	2:08.77	ARIZONA MASTERS	2:38.96	Gloria Stupfel	73
Nicole Belandres	24	Meg May	41	Kathi Bullock	46	Zada Taft	80
Vicky Vorrath	31	Debbie Cavanaugh	41	Judy Gillies	51	OJAI-SANTA BARB	3:48.18
Alysia Swaner	21	Jennifer Coers	29	Nancy MacBeth	70	Grace Altus	75
EMPIRE STATE MA	2:23.07	Marcia Barry	51	Helen Bayly	62	Ruth Farnham	69
Simone Rubinsky	23	NEM	2:14.29	GEORGIA	2:41.72	Jamie Taylor	82
Erika Maresca	25	Constance Sasser	53	Winifred Prall	52	Sylvia Glenn	62
Susan Saleeb	24	Martha Freeze	38	Alice-H Adams	53	ARIZ	3:52.84
Lisa Fahey	29	Karen Gleason	39	Debi Lancaster	45	D Winniford	74
200 M. FREE REL WOMEN 120+		Wendy Gulley	34	Bentley Marane	56		

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

Sumie Anderson	66	NORTH CAROLINA	2:37.92	Kimarie Hull	37	Mindy Orkus	42
Joan Hornyan	73	Susan Rector	23	Jill Hernandez	39	Cecile Many	45
Dorothy Kimmel	78	Lee Ann Britt	25	Amanda Leveroni	41	Janice Campbell	53
200 M. FREE REL WOMEN 320+		Heather Hageman	29	GOLD		2:25.54	
ST PETE 4:09.37 93		D Weatherford	32	Debbie Cavanaugh	41	WIS MASTERS 3:11.30	
MARIAN MCKECHNIE		200 M. MEDLEY R WOMEN 120+		Meg May	41	Jane Stewart	57
WIN KENNEDY		SAN DIEGO 2:05.27 94		Mary Dore	36	Candy Christenson	52
FRANCES CICHANSKI		VICKY DAVIDSON		Marcia Barry	51	Nancy Kranpitz	54
KAY SCHIMPF		MATHILDE BOUWMA		LAFAYETTE MASTE	2:33.78	Janet Schultz	48
NO RELAYS		KARLYN PIPES		Susan Savoie	40	LAKESIDE MASTER 3:15.98	
200 M. MEDLEY R WOMEN 76+		BETH KNIGHT		Monica Bryan	35	Wendy Medley	45
NEW ENGLAND 2:09.67 99		NEM 2:16.09		Paulette Blanchet	42	Joyce Voit	65
KATHERINE VEAZEY		Jan Boland		Lesley Goodell	45	Debbie Utz	46
ELIZABETH BOEHM		Michele Roy		SAN DIEGO SWIM	2:41.13	Karla Gibbs	45
S STRINGFELLOW		Susan Knight		Marilyn A Fink	45	OJAI-SANTA BARB 3:24.27	
LESLIE ALLEN		Michele Fox		Jeni Buys	30	Lois Goodman	52
NEM 2:09.67		SPM 2:17.77		Diane Hirakawa	50	Sylvia Glenn	61
Katherine Veazey		Cathy Shonkwiler		Gini Baker	49	Leslie Ogden	52
Elizabeth Boehm		Maud Orlando		NEM 2:41.49		Carole Borland	56
S Stringfellow		Judy Tibma		Susan Ketchen	47	NEM 3:25.82	
Leslie Allen		Tricia Moses		Jo-Ann Finn	50	Susan Barbary	49
OJAI-SANTA BARB 2:16.15		PNA 2:19.11		Barb Handler	42	Manya Hult	54
Jane Cairns		Leslie McCullough		Kelly Sherwood	46	Jae Kane	51
Valerie Palmer		Linda Hegeberg		NEM 2:43.39		Ann Fredette	54
Aimee Hendrigan		Carolyn Mathews		Constance Sasser	53	200 M. MEDLEY R WOMEN 240+	
Talia Brott		Maggie Kinsella		Martha Freeze	38	DC MASTERS 2:43.47 99	
NEM 2:18.42		QUAC 2:20.68		Karen Gleason	39	BARBARA FRID	
Caitlin Thomas		Kimberly Smith		Alison Goulder	48	JOANN LEILICH	
Jodi Shaw		Betsy Watkins		GERMANTOWN MAST 2:44.94		BETTY BREY	
Sara Berry		Robynn Masters		Amy Cooley	43	BETH SCHREINER	
Jodi Cassidy		Darlene Walters		Dyann Charette	44	DC MASTERS 2:43.47	
LA MESA MASTERS 2:46.24		CRAWFISH AQUATI 2:21.67		Lesley Evans	44	Barbara Frid	
Vicky Vorrath		Karlene Wise		NEM 2:51.94		Joann Leilich	
Nicole Belandres		Miah Broussard		Susan Maguire	50	Berry Brey	
Alysia Swaner		Gina Cheuk		Aagje Caron	58	Beth Schreiner	
Shawna Dail		Jennifer Slonaker		Marty Pasquali	46	NORTH CAROLINA 3:37.03	
200 M. MEDLEY R WOMEN 100+		SPM 2:21.70		Susan Pelkey	34	Beverly Tucker	
SAN DIEGO 2:05.66 95		Allison Beebe		CRAWFISH AQUATI	3:07.34	Sally Newell	
VICKY DAVIDSON		Lisa Flanagan		Susan Berg	40	Sandra Kremer	
MATHILDE BOUWMA		Jo Ann Harrelson		Meg Haviland	42	Nancy McPhee	
K PIPES-NEILSEN		Charlott Petersen		Leslie Stanley	38	HEARTLAND MAST 3:45.04	
D MORTENSEN		NORTH CAROLINA 2:23.42		Helen Cane	44	Eileen Kelly	
GARDEN STATE MA 2:21.92		Leann Britt		200 M. MEDLEY R WOMEN 200+		Marlee Valderhaug	
A Luallen-Scholz		Sally Newell		SAN DIEGO 2:22.41 99		Marilyn Ramey	
M Dellisanti		Sue Haugh		BETSY JORDAN		Nancy Reed	
Carolyn Scalise		Jennifer Mancini		CAROLINE KRATTLI		COLONIALS 1776 3:51.85	
Laura Smith		WH20 2:23.75		BARBARA DUNBAR		Janet Moeller	
OREG 2:21.94		Andrea Hawcridge		JACKIE MARR		Ruth Aaron	
Francesc Gambetti		Jessica Seaton		SAN DIEGO SWIM 2:22.41		Mary Ann McClain	
Laura Tyrell		Kiley Ames-Klein		Betsy Jordan		L Reymersdal	
Shauna Simpson		Linda Kleine		Caroline Krattli		FMM 3:52.72	
Andrea Milano		MARYLAND MASTER 2:24.92		Barbara G Dunbar		Margie Hutinger	
GRIN 2:22.99		Julie Peterson		Jackie M Marr		Gladys Olsen	
Jane Stevens		Carol Declue		OREG 2:31.70		Jean Troy	
Sachi Sawamura		Jill Springer		Joy Ward		Patricia Tullman	
Dahnnya Geary		Emily Watts		Mary Jackson		SAN MATEO 4:32.96	
Kris Houchens		TNYA 2:28.01		Sandi Rousseau		Zada Taft	
CRESCENT HILL 2:26.53		Debra Nelson		Jackie Quattro		Gloria Stupfel	
Alexandra Nieto		Jessica Geist		GOLD 2:55.61		Dale Finch	
Julie Howard		Liv Gjestvang		Rorie Anderson		Toni DiCapua	
Michelle Ward		Laurie Cotter		Anne Laborwit		ELMWOOD SHARKS 5:05.49	
Janet Zeller		200 M. MEDLEY R WOMEN 160+		Lil Haneman		Frances Shelton	
NEM 2:28.94		SAN DIEGO 2:08.46 98		Mary Alvarez		Betty Russo	
Katherine Rink		K PIPES-NEILSEN		SPM 2:57.33		Rosemary Kariker	
Michelle McDevitt		CAROLINE KRATTLI		Sherry Brewer		Eileen Brener	
J Petykowski		BARBARA DUNBAR		Sandy Steer		200 M. MEDLEY R WOMEN 280+	
Aiyana Currie		BETH KNIGHT		Jayne Lambke		SAN DIEGO 3:25.81 96	
NEM 2:36.66		GEORGIA 2:18.88		Pam Geiger		DIANA SILVA	
Amanda Martin		Penny Noyes		ARIZONA MASTERS 3:03.58		ALICIA COLEMAN	
Kendra Garrow		Patricia Mattson		Nancy MacBeth		ANN DALLAM	
Kristen O'Connor		Laureen Welting		Judy Gillies		BOBBI TURCOTTE	
Kara Daly		Franci Williamson		Kathi Bullock		O*H*I*O MASTERS 3:37.81	
		USA WATER BAND 2:24.23		Helen Bayly		M J Amsbary	
		R Brittingham		ELMWOOD SHARKS 3:05.22		Lilly Kron	
				Barbara Bower		Sylvia Hill	

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

<p>Nancy Waite 65 SAN DIEGO SWIM 3:44.45 Diana Silva 77 Ann Shenck Dallam 69 Adrienne Pipes 65 Marian Wolle 71</p> <hr/> <p>200 M. MEDLEY R WOMEN 320+</p> <p>SAN MATEO 4:39.75 96 HELEN ROUMASSET HILDA BUEL ZADA TAFT AUDREY ETIENNE NO RELAYS</p> <hr/> <p>400 M. FREE REL WOMEN 76+</p> <p>NEW ENGLAND 4:14.74 99 S STRINGFELLOW LESLIE ALLEN MICHELLE HACKMER CORINNE MURPHY</p> <p>NEM 4:14.74 S Stringfellow 24 Leslie Allen 24 Michelle Hackmer 23 Corinne Murphy 26</p> <p>DCAC 4:28.70 Elisa Novak 24 Leslie Rhee 25 Jennifer Drake 24 Caroline Ivers 26</p> <p>NEM 4:37.53 Caitlin Thomas 19 Jodi Shaw 28 Sara Berry 25 Jodi Cassidy 26</p> <hr/> <p>400 M. FREE REL WOMEN 100+</p> <p>SAN DIEGO 4:18.04 96 D.MORTENSEN SHIRLEY BOYD MATHILDE BOUWMA NANCY NORTH</p> <p>COLONIALS 1776 4:55.09 Joanne Gadd 34 Laurie Hug 34 Regina Gluchowski 24 Julie Antidornu 27</p> <p>CRESCENT HILL 5:20.60 Julie Howard 25 Michelle Ward 31 Susan Enringer 31 Alexandra Nieto 27</p> <p>LA MESA MASTERS 5:22.79 Nicole Belandres 24 Shawna Dail 24 Vicky Vorrath 30 Wendy Alcock 29</p> <p>NEM 5:47.72 Aiyana Currie 23 Andrea Wadell 40 J Petykowski 23 Edith Gardner 28</p> <hr/> <p>400 M. FREE REL WOMEN 120+</p> <p>SAN DIEGO 4:11.50 94 BETH KNIGHT MATHILDE BOUWMA VICKY DAVIDSON KARLYN PIPES</p> <p>SPM 4:22.74 Allison Beebe 23 Cathy Shonkwiler 39 Tricia Moses 40</p>	<p>Charlott Petersen 35 SWIM 4:48.68 Adrienne Seal 34 Donna Lefevre 28 Doyle-Vallery 41 Martha Liggett 29</p> <p>LA MESA MASTERS 4:53.43 Bj Williston 38 Alysia Swaner 21 Joanne Steinauer 36 Pamela Rabin 29</p> <p>MARYLAND MASTER 5:00.29 Emily Watts 32 Deborah Zimic 37 Carol Declue 35 Julie Peterson 23</p> <p>NEM 5:06.18 Amanda Telford 30 Amanda Martin 29 Jana Slezak 34 Patti Seiders 34</p> <p>SOUTH WEST MAST 5:33.89 Cheryl Plantz 45 Theresa Murphy 42 Trisha Commons 35 Lucy Bartamian 25</p> <p>SPLS 5:41.65 Sophie Dryer 29 Julia Applegate 29 Kathy Tunstall 33 Helen Hartnett 37</p> <p>QUAC 5:48.45 Darlene Walters 27 Betsy Watkins 34 Ellen Brisch 37 Robynn Masters 40</p> <hr/> <p>400 M. FREE REL WOMEN 160+</p> <p>SAN DIEGO 4:14.13 96 BETH KNIGHT BARBARA DUNBAR MARILYN FINK K.PIPES-NEILSEN</p> <p>WH20 4:46.11 Elizabet Halouzka 35 Andrea Hawcridge 37 Jessica Seaton 46 Morri Spang 43</p> <p>GAJA 5:17.97 Paige Joyner 38 Bentley Marane 56 Patricia Mattson 46 Penny Noyes 45</p> <p>USA WATER BAND 5:20.92 R Brittingham 48 Kimarie Hull 37 Marji Thomas-Will 51 Amanda Leveroni 41</p> <p>NEM 5:29.75 Kelly Sherwood 46 Jo-Ann Finn 50 Susan Ketchen 47 Barb Handler 42</p> <p>NEM 5:54.32 Susan Maguire 50 Aagje Caron 58 Marty Pasquali 46 Susan Pelkey 34</p> <p>NEM 6:14.12 Diane Hughes 37 Heidi Anderson 38 Sally Fellows 44 Sandy Woodcock 43</p> <p>DCAC 6:33.12 Marilyn Redman 43 Barbara Hill 40 Michele French 38</p>	<p>Rebecca Halbe 40 WILDCAT MASTERS 7:24.31 Joyce Mc Guire 67 Janice Kregor 43 Gail O'Malley 44 Meg Smath 43</p> <hr/> <p>400 M. FREE REL WOMEN 200+</p> <p>SAN DIEGO 4:54.44 97 MARILYN FINK BARBARA DUNBAR JACKIE MARR BETSY JORDAN</p> <p>COLONIALS 1776 5:48.46 Nancy Puckett 50 C Schroeder 50 Laure Feinberg 43 Mary Ann McClain 58</p> <p>SPM 5:48.78 Jayne Lambke 60 Sandy Steer 60 Jo Ann Harrelson 43 Christine Swanson 37</p> <p>NEM 6:24.88 Susan Barbary 49 Manya Hult 54 Jae Kane 51 Ann Fredette 54</p> <p>MARYLAND MASTER 6:33.37 Nancy Brown 63 Jill Coleman 69 Sally Iliff 54 Cheryl Kinney 34</p> <p>OJAI-SANTA BARB 6:43.89 Carole Borland 56 Lois Goodman 52 Sylvia Glenn 62 Leslie Ann Ogden 52</p> <p>HEARTLAND MAST 7:05.65 Tiffany Cress 21 Marlee Valderhaug 58 Eileen Kelly 66 Elfriede Lehto 66</p> <p>HEARTLAND MASTE 7:49.14 Chris Scenna 52 Elaine Perry 43 Betty Courtney 46 Bernie Pollett 63</p> <hr/> <p>400 M. FREE REL WOMEN 240+</p> <p>SAN DIEGO 5:31.10 99 DEBORAH PECKHAM BETSY JORDAN JEANNE LITTLE JACKIE MARR</p> <p>SAN DIEGO SWIM 5:31.10 Deborah Peckham 60 Betsy Jordan 62 Jeanne H Little 62 Jackie M Marr 56</p> <p>FMM 7:26.37 Margie Hutingier 59 Gladys Olsen 73 Jean Troy 72 Patricia Tullman 62</p> <p>HEARTLAND S A M 7:28.18 Marlee Valderhaug 58 Judy Tilaro 65 Nancy Reed 72 Bernie Pollett 63</p> <hr/> <p>400 M. FREE REL WOMEN 280+</p> <p>OJAI/SBARBARA 6:42.68 97 GAY COLLINS GRACE ALTUS</p>	<p>MALCHIA OLSHAN RUTH BAAR SAN DIEGO SWIM 7:32.05 Adrienne Pipes 65 Ann Shenck Dallam 69 Diana Silva 77 Marian Wolle 71</p> <hr/> <p>400 M. FREE REL WOMEN 320+</p> <p>SAN MATEO 9:11.05 96 AUDREY ETIENNE HELEN ROUMASSET HILDA BUEL ZADA TAFT NO RELAYS</p> <hr/> <p>400 M. MEDLEY R WOMEN 76+</p> <p>NEW ENGLAND 4:50.39 98 CORINNE MURPHY ELIZABETH BOEM KATHERINE VEAZEY LESLIE ALLEN</p> <p>DCAC 4:56.66 Elisa Novak 24 Sara Megan Reise 24 Caroline Ivers 26 Caroline Stender 22</p> <p>EMPIRE STATE MA 5:33.07 Sarah Riley 24 Erika Maresca 25 Emily Peters 24 Susan Saleeb 24</p> <hr/> <p>400 M. MEDLEY R WOMEN 100+</p> <p>SAN DIEGO 4:41.95 97 ALISON TERRY K PIPES-NEILSEN NANCY NORTH DIANE GLEASON</p> <p>NEM 5:00.62 Corinne Murphy 26 Elizabeth Boehm 25 Jessie Toland 31 Leslie Allen 24</p> <p>GRIN 5:16.92 Jane Stevens 22 Tracy Knight 27 Dahnya Geary 25 Kris Houchens 32</p> <p>NEM 5:24.79 Amanda Telford 30 Jodi Shaw 28 Carol Prescott 30 Sara Berry 25</p> <p>NEM 6:15.54 Katherine Rink 28 Erin Thomas 27 Michelle McDevitt 37 Aiyana Currie 23</p> <hr/> <p>400 M. MEDLEY R WOMEN 120+</p> <p>SAN DIEGO 4:44.20 98 K PIPES-NEILSEN CAROLINE KRATTLI BARBARA DUNBAR NANCY NORTH</p> <p>MARYLAND MASTER 5:20.28 Julie Peterson 23 Carol Declue 35 Jill Springer 40 Muriel Vandenberg 26</p> <p>GERMANTOWN MAST 5:22.14 Jennifer Stowe 24 Eunice Ching 29</p>
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1999 SHORT-COURSE METERS - TOP-TEN RELAYS

Emily Sy 34	Rebecca Pointo 45		
Shari Yesnick 33	Judy Strauss 45		
LA MESA MASTERS 5:40.68	NEM 6:07.47	400 M. MEDLEY R WOMEN 280+	LA MESA MASTERS 13:06.46
Joanne Steinauer 36	Susan Ketchen 47	OSB 8:09.12 98	Alysia Swaner 21
Shawna Dail 24	Jo-Ann Finn 50	GAY COLLINS	Shawna Dail 24
Pamela Rabin 29	Barb Handler 42	MAGGIE MORS	M'Liss Hinshaw 44
Bj Williston 38	Kelly Sherwood 46	MALCHIA OLSHAN	Maria O'Connell 52
MENLO PARK 5:40.78	SAN DIEGO SWIM 6:20.84	GRACE ALTUS	NEM 14:20.60
Deanna Lin 30	Marilyn A Fink 45	NO RELAYS	Diane Hughes 37
Lisa Sheeper 35	Jeni Buys 30	400 M. MEDLEY R WOMEN 320+	Sarah Proctor 26
Joanna Belkin 30	Diane Hirakawa 50	WALNUT CREEK 10:12.19 97	Sally Fellows 44
Juliet Applewhite 38	Gini Baker 49	FRIEDA SIDORSKI	Sandy Woodcock 43
WHITE PLAINS MA 5:45.47	FOG CITY 6:47.54	SALLY JOY	800 M. FREE REL WOMEN 160+
Nancy Surdoval 46	Amy Conroy 38	JEAN DURSTON	SAN DIEGO 9:27.59 98
Kara Stewart 25	Elizab Zurlinden 55	MARY JANE REEVES	BETH KNIGHT
Geneve Hendricks 31	Victoria Stein 36	NO RELAYS	CAROLINE KRATTLI
Karin Papes 35	Nancy McGovern 35	800 M. FREE REL WOMEN 76+	BARBARA DUNBAR
SPORT FREMONT 5:52.70	ROLLING HILLS 7:02.53	DCAC 9:47.25 96	K PIPES-NEILSEN
R Weisenberger 40	Suzanne Cochran 39	GRETCHEN HURLEY	COLONIALS 1776 12:43.76
Yu Fortunak 25	Laurel Bowden 43	SARAH KING	Mary Ann McClain 58
Laura Collett 35	Cokie Lepinski 40	MERILEE ROBINSON	S Beilman 50
Claudia Holt 37	Joy Ambra 43	ELIZA BARCUS	Joanne Gadd 34
MENLO PARK 6:22.45	400 M. MEDLEY R WOMEN 200+	NO RELAYS	Natalie Kubala 24
Brenda Windle 50	SAN DIEGO 5:41.12 97	800 M. FREE REL WOMEN 100+	800 M. FREE REL WOMEN 200+
Laurel Gundrum 35	BETSY JORDAN	SAN DIEGO 9:16.40 95	SAN DIEGO 10:35.61 97
Laurie Ausserer 44	LYNNE LUND	VICKY DAVIDSON	MARILYN FINK
Diana Kirk 28	BARBARA DUNBAR	DIANNE GLEASON	BARBARA DUNBAR
DCAC 6:49.84	MARILYN FINK	MATHILDE BOUWMA	JACKIE MARR
Michelle Wren 33	SAN DIEGO SWIM 5:55.14	NANCY NORTH	BETSY JORDAN
Catherine Lynch 38	K Pipes-Neilsen 37	DCAC 9:40.99	NEM 13:25.67
Ivonne Martinez 35	Mary Gregorio 46	Suzie Fisch 30	Susan Barbary 49
Barbara Hill 40	Jackie Marr 56	Kristen Corbett 33	Manya Hult 54
LA MESA MASTERS 6:53.18	Adrienne Pipes 65	Joanne Sonberg 25	Jae Kane 51
Vicky Vorrath 30	SPM 6:43.73	Rachel Frentsos 28	Ann Fredette 54
Nicole Belandres 24	Christine Swanson 37	NEM 13:14.39	OREG 13:30.67
Wendy Alcock 29	Sandy Steer 60	Jennif Petykowski 23	Peggie Hodge 59
M'Liss Hinshaw 44	Jo Ann Harrelson 43	Edith Gardner 28	Connie Peterson 44
NEM 7:01.74	Jayne Lambke 60	Andrea Wadell 40	Peggy Whiter 56
Alice Seidel 58	MARYLAND MASTER 7:26.44	Aiyana Currie 23	Laura Schob 41
Jana Slezak 34	Nancy Brown 63	Amada Martin 29	LAKESIDE MASTER 13:35.29
Kristen O'Connor 27	Jill Coleman 69	Meghan Maloney 30	Karla Gibbs 45
Patti Delgrosso 34	Sally Iliff 54	Kristen O'Connor 27	Joyce Voit 65
400 M. MEDLEY R WOMEN 160+	Cheryl Kinney 34	Carol Prescott 30	Debbie Utz 46
SAN DIEGO 4:43.31 98	NEM 7:55.34	800 M. FREE REL WOMEN 120+	Wendy Medley 45
K PIPES-NEILSEN	Susan Barbary 49	SAN DIEGO 9:05.72 96	MARYLAND MASTER 14:03.50
CAROLINE KRATTLI	Manya Hult 54	NANCY NORTH	Cheryl Kinney 34
BARBARA DUNBAR	Jae Kane 51	D.MORTENSEN	Nancy Brown 63
BETH KNIGHT	Ann Fredette 54	BETH KNIGHT	Sally Iliff 54
IM 5:19.16	DCAC 9:06.33	K.PIPES-NEILSEN	Jill Coleman 69
Mary Pohlmann 54	Suzanne Bolton 53	800 M. FREE REL WOMEN 240+	OJAI-SANTA BARB 14:33.55
Jennifer Ridge 31	Marilyn Redman 43	SAN DIEGO 10:24.37	Sylvia Glenn 62
Catherine Quill 49	Carol Krueger 46	Bj Williston 38	Carole Borland 56
Jennifer Jacobs 31	Patricia Vail 58	Pamela Rabin 29	Leslie Ann Ogden 52
SPM 5:23.16	400 M. MEDLEY R WOMEN 240+	Wendy Alcock 29	Lois Goodman 52
Maud Orlando 37	ST LOUIS 6:24.68 92	Joanne Steinauer 36	800 M. FREE REL WOMEN 240+
Lisa Flanagan 37	REGAN KENNER	LAKESIDE MASTER 10:59.24	SAN DIEGO 12:40.93 98
Tricia Moses 40	CAROL TAYLOR	Caroline Donnelly 37	ANNE DALLAM
Pam Geiger 47	ARDETH MUELLER	Pamela Haeberlin 36	LYNNE LUND
NEM 5:30.52	JEAN SCHNORBUS	Kimberly Cleary 26	BETSY JORDAN
Constance Sasser 53	FMM 8:19.47	Frances Berry 37	JACKIE MARR
Laurie Ellis 36	Patricia Tullman 62	WHITE PLAINS MA 12:04.83	HEARTLAND S A M 16:02.76
Karen Gleason 39	Rosie Vijil 65	Liana Hopkins 46	Marlee Valderhaug 58
Martha Freeze 38	Jean Troy 72	Geneve Hendricks 31	Judy Tilaro 65
USA WATER BAND 5:31.37	Gladys Olsen 73	Nancy Surdoval 46	Nancy Reed 72
Marji Thomas-Will 51	COLONIALS 1776 8:26.65	Karin Papes 35	Elfriede Lehto 66
Kimarie Hull 37	Janet Moeller 65	NEM 13:05.02	MICHIGAN 21:13.62
Jill Hernandez 39	Mary Wixted 77	J Strickland 38	Mary Williams 68
R Brittingham 48	Mary Ann McClain 58	Deborah Edin 37	Genevieve Moyer 50
WH20 5:39.69	Ruth Aaron 70	Jana Slezak 34	Martha Forster 82
Andrea Hawcridge 37	HEARTLAND S A M 8:35.49	Patti Seiders 34	Jean Bails 54
Jessica Seaton 46	Judy Tilaro 65	800 M. FREE REL WOMEN 280+	800 M. FREE REL WOMEN 280+
Elizabet Halouzka 35	Bernie Pollett 63	ST. LOUIS 15:49.09 91	ST. LOUIS 15:49.09 91
Morri Spang 43	Marlee Valderhaug 58		
MENLO PARK 5:53.00	Nancy Reed 72		
Virginia Langmuir 47			
Katherine Bass 48			

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

<p>CAROL TAYLOR DORIS PETERS EDITH HENDRY ANNALOU CARRIER</p> <p>MICHIGAN 17:25.37 Edith Glusac 81 Joyce Kowalski 57 Lois Kivi Nochman 75 Mary Williams 68</p> <p>800 M. FREE REL WOMEN 320+</p> <p>SAN MATEO 20:48.75 94 AUDREY ETIENNE HELEN ROUMASSET EDIE GOLDMAN HILDA BUEL</p> <p>NO RELAYS</p> <p style="text-align: center;"><u>MEN'S RELAYS</u></p> <p>200 M. FREE REL MEN 76+</p> <p>DAVIS AQUATIC 1:39.63 95 JOHN KEPPELER ANDY SLAKOFF BRAD WINSOR MATT GRAHN</p> <p>DCAC 2:10.27 Mark Shulman 24 Jean-David Barnea 22 Ryan Lebro 25 Ron Kaplan 28</p> <p>200 M. FREE REL MEN 100+</p> <p>EL SUGUNDO 1:35.70 97 FRANK WATTLES DEREK ROBINSON MARCEL RINZLER BERT BERGEN</p> <p>NEM 1:41.02 Mark Goldman 28 Rob Berry 31 Stuart Cromarty 35 Greg Wriede 22</p> <p>GRIN 1:43.74 Jeremy Houchens 29 Grant Comer 25 Todd Mercer 32 Dennis Pette 23</p> <p>SDSM 1:45.31 Jon Rimer 22 Eric Yen 26 A Portillo-Moro 23 Jeff Peargin 32</p> <p>NEM 1:46.99 John Oliver 24 Scott Christensen 27 Bradley Harris 25 George Mix 26</p> <p>TNYA 1:47.75 Jean-M Agostini 28 Onesimo De Mira 26 Alex Hall 28 David Mowers 34</p> <p>TSUN 1:51.08 Casey Cheung 26 Rudy Guadron 25 Stephen Lapaz 24 Andy Early 33</p> <p>LMST 1:53.50 Darrin Anderson 29 Kelly Chadick 30 Art Wells 34 Derek Crusan 25</p> <p>ART 1:54.03</p>	<p>Craig Shackelford 26 Bradley Akerberg 30 Kevin Mylod 31 Mark Reeves 31</p> <p>SPLS 1:56.27 Todd Blankenship 26 Bryan Johnson 32 Ken Griffiths 30 John Redkey 30</p> <p>WH20 1:57.26 Robert Lo 27 Jason Waddoups 30 Seymour Liao 30 Derek Slye 32</p> <p>200 M. FREE REL MEN 120+</p> <p>BAYLOR/LONESTAR 1:37.89 92 RICHARD HESS DOUG MOYSE MOOK RHODENBAUGH BOBBY PATTEN</p> <p>DCAC 1:38.22 Neill Williams 31 Stanford Young 35 Dean Putterman 37 Jerome Frentsos 34</p> <p>ART 1:39.27 Lorenzo Benucci 32 Alex Bailey 38 Bruce Hayes 36 Mark Kaiser 36</p> <p>MONTG ANCIENT M 1:39.48 Michael Fell 38 John Boxmeyer 30 Jeffrey Roddin 30 J Clay Britt 38</p> <p>ART 1:44.11 David Runyan 36 Craig Mihaly 35 Mike Cuccaro 31 Sean Fitzgerald 36</p> <p>GARDEN STATE MA 1:44.30 Curtis Sawin 28 Steve Silbaugh 33 Sean Palen 31 Pete Rahko 34</p> <p>NEM 1:45.54 Gregory Miller 35 Charlie Greenough 36 Garrison Corben 37 Samuel Pang 40</p> <p>NORTH CAROLINA 1:45.88 Fritz Lehman 41 Kevin Facchine 44 Frank Wefering 31 John Sloyan 31</p> <p>LAFAYETTE MASTE 1:46.00 Art Wells 34 Steven Billeaud 46 Kelly Chadick 30 Gregory Ellison 47</p> <p>SPLS 1:46.05 Michael Melnick 32 Rick Edwards 33 Grant Wilson 33 Matt White 32</p> <p>MENLO PARK 1:46.05 Ed Owen 28 Charlie Cortes 30 Al Humphrey 40 John Moore 35</p> <p>200 M. FREE REL MEN 160+</p> <p>COLONIALS 1776 1:40.74 96 CHARLES NORELLI THOMAS MEADE</p>	<p>MICHAEL SLENKER GREGORY OXLEY</p> <p>DCAC 1:42.65 Jose Cunningham 43 Jay Fisette 43 Alan Godfrey 42 Geoff Heuchling 40</p> <p>SQUI 1:43.76 Jeff Johnson 27 Patt Chaiyaraj 36 Allen Rheem 50 Tom Whatley 48</p> <p>WH20 1:45.10 Tom Reudy 45 Mike Mere 41 Scott Genkinger 40 Kurt Smith 39</p> <p>MACO 1:45.39 David Burleson 42 Daniel Knauer 39 Robert Maestre 49 Robert Kabacy 31</p> <p>SAN DIEGO SWIM 1:46.28 Joseph Kernan 44 Mark Hansen 46 Michael Tompkins 45 Vernon Rogers 38</p> <p>OJAI-SANTA BARB 1:46.91 Jim McConica 49 Mike Shaffer 34 Tom Miller 38 David Schrader 43</p> <p>COLONIALS 1776 1:46.99 Arthur Zawodny 33 Mark Modjeska 46 Gregory Oxley 41 Thomas Meade 42</p> <p>GARDEN STATE MA 1:48.05 Jim Dragon 55 Richard Alexander 55 Benn Doyle 41 Ed Tsuzuki 41</p> <p>GEORGIA 1:49.39 Mike Reid 38 Robert Brown 47 Ken Sharpe 47 Tom Northcutt 34</p> <p>ORCA 1:49.84 Mark Blagdon 45 Leonardo Espinosa 39 Robert Young 34 Rick Peterson 48</p> <p>200 M. FREE REL MEN 200+</p> <p>SO CAL AQUATIC 1:47.41 94 FRED HUBBELL FRANK PIEMME FRANS NELSON PETER O'KEEFFE</p> <p>OREG 1:53.69 Tom Landis 57 Eric Askerman 32 George Thayer 63 Robert Smith 56</p> <p>ARIZ 1:55.53 Matt Yingling 50 Phillip Whitten 56 Roger Panneton 51 Greg Gush 51</p> <p>COLONIALS 1776 2:05.15 Edward Morgan 60 Henry Detering 54 Peter Graber 45 Jim Kremzier 53</p> <p>ORLM 2:06.32 Bob Lombard 51 Gwinn Murray 54</p>	<p>Ron Welpott 58 Rick Scray 45</p> <p>SAN DIEGO SWIM 2:06.93 Thomas Green 52 Larry Cartwright 51 Paul Sporleder 47 John Goode 66</p> <p>MACO 2:07.91 Dieter Hoffman 42 Jim Bigler 64 Thomas Levak 61 Karl Von Tagen 56</p> <p>GAJA 2:08.25 Bill McClung 60 Kenneth Miller 61 John Zeigler 54 David Wilshin 58</p> <p>HLJ 2:08.33 Harold Murray 58 Bill Pillmore 51 Peter Nickodem 50 Keith Sanford 43</p> <p>OJAI-SANTA BARB 2:12.32 Robert May 65 Tom Mitchell 66 Justin Greene 25 John Derr 50</p> <p>NEM 2:12.90 Daniel Rogacki 52 Andrew Richelson 52 Cliff Jennings 46 James Christopher 72</p> <p>200 M. FREE REL MEN 240+</p> <p>GOLD 1:56.00 99 ROGER HAWKINS ALAN RAPPERPORT HERB KERN CAV CAVANAUGH</p> <p>GOLD 1:56.00 Cav Cavanaugh 64 Herb Kern 67 Alan Rapperport 66 Roger Hawkins 51</p> <p>SAN DIEGO SWIM 1:56.66 Mike Freshley 58 Ken Kimball 69 Bill Earley 63 Michael Ahern 54</p> <p>ST LOUIS 2:18.12 Steven Hancock 43 William Cannon 69 Allan Kalb 64 Robert Blake 75</p> <p>ARIZ 2:18.36 James Bly 53 Jim Stites 42 Gordon Gillin 69 Max Von Isser 80</p> <p>PARRIS ISLAND 2:22.86 David Painter 61 Bob Miller 63 Lou Roempke 66 John Fontana 58</p> <p>SAN MATEO 2:23.82 Roger Campbell 69 Mike Milliman 65 Ross Shoemaker 57 Dick Peterson 62</p> <p>MESC 2:28.28 George Erswell 73 Peter Packard 67 Arnie Green 67 Hap Hazzard 67</p> <p>ELMWOOD SHARKS 2:34.53 Edwin Fortier 69 Gerald Olivier 68</p>
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1999 SHORT-COURSE METERS - TOP-TEN RELAYS

Kenneth Hava' 47	OREG 2:35.71	James Delisle 40	
Bob Reimers 56	Earl Walter 78	John Oliver 24	NATE LEIGH
WIS MASTERS 2:40.52	Gerald Huestis 79	Bradley Harris 25	DCAC 1:57.62
John Luetzgen 44	Andrew Holden 80	TSUN 2:04.78	Mike Dowhy 36
John Bauman 69	Allan De Lay 84	Andy Early 33	Jose Cunningham 43
Harlan Drake 71	FMM 4:04.84	Mark Harlow 28	Jay Fiset 43
Tim Trowbridge 60	Frank Tillotson 85	Tim Lane 30	Geoff Heuchling 40
GOLD 2:51.91	Frank Starr 89	Casey Cheung 26	SQUI 1:58.08
George Busse 67	E Don McCullough 84	WH20 2:06.77	Patt Chaiyaroj 36
Carl House 60	Dave Malbrough 86	Tim Diliberti 33	Jeff Johnson 27
L Silverstein 65	MESC 4:21.44	Robert Lo 27	Allen Rheem 50
A De La Vega 74	John White 83	Kyle Levine 28	Tom Whatley 48
200 M. FREE REL MEN 280+	Roger Snow 81	Christophr Palmer 27	WH20 2:01.00
	Norman Seagrave 83		Gary Quinn 41
	John Woods 81	200 M. MEDLEY R MEN 120+	Mauro Bordovsky 43
SAN DIEGO 2:11.50 99	200 M. MEDLEY R MEN 76+	BAYLOR/L STAR 1:45.01 94	Bruce Hatton 42
DONALD BAKER	S CAL AQUATIC 1:54.30 97	JAY YARID	Scott Genkinger 40
KEN KIMBALL	OSIRIS BRISENO	GREG RHODENBAUGH	GARDEN STATE MA 2:01.51
JIM EUBANK	EALING JAHN	BOBBY PATTEN	Jack Zakim 54
BILL EARLEY	SEAN LEMM	MOOK RHODENBAUGH	Benn Doyle 41
SAN DIEGO SWIM 2:11.50	KENTARO TAKAHASHI	DCAC 1:48.88	Scott Yeomans 35
Donald Baker 68	SDSM 2:08.30	Jerome Frentsos 34	Ed Tsuzuki 41
Ken Kimball 69	Antonio Sandoval 23	Dean Putterman 37	TNYA 2:02.32
Jim Eubank 84	Eric Yen 26	Neill Williams 31	Charles Carson 45
Bill Earley 63	Matt Alder 25	Corey Carlisle 28	Chris Packard 41
FMM 2:21.20	A Portillo-Moro 23	ART 1:53.36	Brad Cole 41
Robert MacDonald 71	DCAC 2:17.24	Jeff Bakehorn 35	David Dunn 40
Robert Unger 71	Hugh McGowan 22	Jack Mackenroth 30	GARDEN STATE MA 2:02.63
Paul Hutinger 75	Ron Kaplan 28	Kevin Mylod 31	Andrew Maggion 43
Aaron Kurtzman 70	Craig Badinger 25	Lorenzo Benucci 32	Michael Leddy 40
OREG 2:26.53	Mark Shulman 24	SPLS 1:54.22	Brent Matheson 32
Eric Guest 70	200 M. MEDLEY R MEN 100+	Kevin Tunstall 34	Steven Treble 47
Gilbert Young 77	EL SEGUNDO 1:45.73 97	Todd Radel 27	SAN DIEGO SWIM 2:02.68
William Holman 68	DEREK ROBINSON	Michael Melnick 32	Eric Bonney 30
David Radcliff 65	DAVE HUSTON	Grant Wilson 33	Alan Voisard 39
GOLD 2:41.96	MARCEL RINZLER	IM 1:56.29	Chris A Dixon 42
Joaquin Silverio 73	BERT BERGEN	James Ralph 26	Larry Cartwright 51
William Dolan 70	CRESCENT HILL 1:56.01	Chris Alcott 24	OREG 2:02.83
Marvin Kleinman 72	Brad Schmied 27	Chris Colburn 27	Doug Stewart 35
Louis Pollay 69	Abraham Solano 30	John Martin 44	Pat Allender 41
SAN DIEGO SWIM 2:44.52	Manuel Nieto 19	ANCIENT MARINER 1:57.17	Mark Worden 48
Milton Sens 73	Eric Fors 29	Doug Chestnut 35	Jess Hickerson 47
Edgar Lassins 79	DCAC 1:56.51	Wally Dicks 36	NORTH CAROLINA 2:04.02
Donald Hubbard 72	Marcus Chung 23	John Feinstein 44	Jonathan Klein 42
John Goode 66	Matthew Kinney 29	Michael Fell 38	Fritz Lehman 41
SAN MATEO 2:45.49	John O'Keefe 32	NORTH CAROLINA 1:57.30	Alan Godfrey 42
Norm Stupfel 67	Ted Bockius 33	Fritz Lehman 41	Kevin Facchine 44
Fred High 78	TSUN 1:58.35	Will Monroe 35	NEM 2:04.54
Ray Taft 80	Jim Ruggiero 27	John Sloyan 31	Stuart Cromarty 35
Don Stupfel 71	Kevin Williams 30	Frank Wefering 31	Michael Kennedy 38
COLONIALS 1776 2:52.24	Stephen Martel 29	ART 1:57.53	Fred Schlicher 51
Roger Franks 72	Stephen Lapaz 24	Mark Kaiser 36	Douglas Bosley 37
J Reymersdal 72	GRIN 1:59.30	Anthony Nardis 24	200 M. MEDLEY R MEN 200+
William Marino 72	Todd Mercer 32	Robert Harms 29	GOLD COAST 1:59.34 98
Ernest Moore 72	Jeremy Houchens 29	Craig Mihaly 35	JOHN SPIRE
SPCO 2:59.92	Grant Comer 25	MIST 1:58.00	GEORGE SCHMIDT
Al Rogerson 74	Dennis Pette 23	Senn Thomas 32	JOEL BURNS
Lester Bell 78	LMST 2:02.06	Stephen Nelson 38	CAV CAVANAUGH
Robert Sigersmith 75	Darrin Anderson 29	John Bullough 42	GARDEN STATE MA 2:00.77
Richard Robecki 70	Kelly Chadick 30	Hans Gaedeke 33	Richard Alexander 55
OJAI-SANTA BARB 3:01.82	Art Wells 34	ORCA 1:59.52	Richard Bohan 48
William Wechter 67	Derek Crusan 25	Matthew Lind 35	Winston Uchiyama 42
John Melville 80	ARIZ 2:02.26	Jon Pauole 29	Jim Dragon 55
Vito Portanova 79	Sergio Lopez-Miro 31	Andrew Wood 26	SO CAL AQUATIC 2:03.36
Boyd Ford 74	Danusz Lew-Mirsui 24	GARDEN STATE MA 1:59.81	Clay Evans 46
SPM 3:05.50	Norman Brisker 35	Curtis Sawin 28	Paul Henne 53
Richard Avery 76	Dickie Fernandez 28	David Siconolfi 48	John R/O-Quinn 48
Abrasha Brainin 77	TNYA 2:03.95	Pete Rahko 34	Russell Walker 53
Robert Atwood 79	Jean-M Agostini 28	Andrew Baudo 21	WH20 2:14.98
Harold Ferris 69	Alex Hall 28	200 M. MEDLEY R MEN 160+	Paulo Figueiredo 53
200 M. FREE REL MEN 320+	Onesimo De Mira 26	MINNESOTA 1:52.42 98	Tom Reudy 45
OREGON 2:35.71 99	Scott Hirose 33	SCOTT TRIPPS	Neal Wiener 55
EARL WALTER	NEM 2:04.71	J KOCHENDORFER	Jon Bauer 47
GERALD HUESTIS	George Mix 26	RAY ELLIS	GOLD 2:18.87
ANDREW HOLDEN			Mike Zimmerman 54
ALLAN DELAY			Marty Hendrick 41
			Barry Gollop 44

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

Michael Dively	61	Hap Hazzard	67	400 M. FREE REL	MEN 76+	DCAC	3:51.53
CRESCENT HILL	2:23.81	ELMWOOD SHARKS	5:17.27	TROJAN SWIM	3:49.17 98	Robert Pinson	24
Norman Scott	55	Edwin Fortier	69	JOSH ILIKA		Mike Dowhy	36
Larry Hunt	52	Elmer Frost	76	ERIC SCHAFER		Ted Bockius	33
John Graham	54	Bill Jennings	60	JEREMY ZECHER		Stanford Young	35
Scott Whittmore	45	Virgil Bernard	67	CITO VASCONCELLOS		ORCA	3:55.95
DCAC	2:24.06			SDSM	4:03.33	Matthew Lind	35
Jack Markey	47	200 M. MEDLEY R	MEN 280+	Jon Rimer	22	Andrew Wood	26
Barry Haddan	48	N CAROLINA	2:28.34 99	Eric Yen	26	Robert Young	34
Doug Wilson	49	JOHN MURPHY		A Portillo-Moro	23	Jon Pauole	29
Bill Donovan	56	JOHN KORTHEUER		Matt Alder	25	WH20	3:58.35
ORLM	2:28.31	CLARKE MITCHELL		DCAC	4:03.76	Christophr Palmer	27
Bob Lombard	51	DICK WEBBER		Greg Leo	27	Kyle Levine	28
Ron Welpott	58	NORTH CAROLINA	2:28.34	Hugh McGowan	22	Steven Wyllie	33
Gwinn Murray	54	John Murphy	75	A Medina-Marino	24	Jerry Shandrew	33
Rick Scray	45	John Kortheuer	68	Craig Badinger	25	ART	4:03.06
GAJA	2:29.63	Clarke Mitchell	67			Steven Dunn	34
David Wilshin	58	Dick Webber	70	400 M. FREE REL	MEN 100+	Mark Reeves	31
John Zeigler	54	SAN DIEGO SWIM	2:30.76	DCAC	3:39.47 99	Enrique Erosa	35
Kenneth Miller	61	Bill Earley	63	COREY CARLISLE		Brian Dohner	37
William Lotz	50	Tom Dowell	77	JOHN O'KEEFE		GOLD	4:05.27
TNYA	2:32.18	Mike Freshley	58	NEILL WILLIAMS		Sean Frampton	33
Ed Dunne	56	Jim Eubank	84	MARCUS CHUNG		Jonathan Olsen	36
Michael D'Amico	46	GOST	2:33.50	DCAC	3:39.47	Bill Korey	36
John Goodwin	51	Yoshi Oyakawa	66	Corey Carlisle	28	Kelly King	41
Jack Alexander	52	Walter Lincoln	66	John O'Keefe	32	NEM	4:06.91
MARYLAND MASTER	2:33.95	John Florance	77	Neill Williams	31	John Bobbin	33
Jack Iliff	55	Robert Bloebaum	73	Marcus Chung	23	Pablo Stansbery	38
Thomas Matysek	45	FMM	2:35.11	CRESCENT HILL	3:55.10	Frank Wuest	39
Bill Conroy	56	Paul Hutinger	75	Manuel Nieto	19	Douglas Bosley	37
Philip Kerr	64	Aaron Kurtzman	70	Norman Schippert	36	HLJ	4:07.14
200 M. MEDLEY R	MEN 240+	Joe Kurtzman	73	Abraham Solano	30	Peter Nickodem	50
SAN DIEGO	2:13.31 99	Robert MacDonald	71	Eric Fors	29	Kevin Sherlock	29
BILL EARLEY		SAN DIEGO SWIM	2:51.01	QUAC	3:59.80	Wladimir Kocerka	27
MIKE FRESHLEY		John Goode	66	Tim Herzer	36	Walter Steele	35
MICHAEL AHERN		William Phillips	71	Mark Beilstein	29	WH20	4:08.40
DONALD BAKER		Donald Hubbard	72	Jaron Russon	25	Tim Burke	42
SAN DIEGO SWIM	2:13.31	Milton Sens	73	Matt Walters	28	Jim Rhyne	34
Bill Earley	63	COLONIALS 1776	3:19.28	ART	4:07.34	James Frost	35
Mike Freshley	58	Roger Franks	72	Scott Porter	29	Tim Diliberti	33
Michael Ahern	54	Norman Garsoe	76	Jay Colucci	29	400 M. FREE REL	MEN 160+
Donald J Baker	68	Ernest Moore	72	Jack Mackenroth	30	DCAC	3:46.15 99
GOLD	2:13.91	William Marino	72	Mike Cuccaro	31	JOSE CUNNINGHAM	
David McIntyre	62	GOLD	3:22.82	SPLS	4:25.52	ALAN GODFREY	
George Schmidt	49	A De La Vega	74	Andy Aucoin	23	G HEUCHLING	
Herb Kern	67	Joaquin Silverio	73	Ken Griffiths	30	DEAN PUTTERMAN	
Cav Cavanaugh	64	Marvin Kleinman	72	Kevin Tunstall	34	DCAC	3:46.15
OREG	2:16.01	Louis Pollay	69	John Redkey	30	Jose Cunningham	43
Robert Smith	56	SPCO	3:46.49	SDSM	4:36.58	Alan Godfrey	42
Ronald Nakata	60	Robert Sigersmith	75	Rob Pierce	30	Geoff Heuchling	40
Bert Petersen	61	Richard Robecki	70	William Dietrich	28	Dean Putterman	37
George Thayer	63	Al Rogerson	74	Brian Terczynski	25	SAN DIEGO SWIM	3:51.90
ARIZ	2:36.53	Lester Bell	78	Harper Summers	35	Vernon Rogers	38
Gordon Gillin	69	200 M. MEDLEY R	MEN 320+	ART	4:48.88	Larry Cartwright	51
Mel Dyck	57	OREGON	3:00.90 99	John Brinkman	30	Joseph Kernan	44
Max Von Isser	80	EARL WALTER		Clint Eden	30	Alan Voisard	39
Jim Stites	42	GERALD HUESTIS		Jason Smith	24	WH20	3:54.15
SPM	2:45.72	ANDREW HOLDEN		Marc Jones	30	Philip Hayman	38
Richard Avery	76	ALLAN DELAY		400 M. FREE REL	MEN 120+	Kurt Smith	39
Pete Arnold	60	OREG	3:00.90	DAVIS AQUATIC	3:36.25 95	Mike Mere	41
Harold Ferris	69	Earl Walter	78	ANDREW MCPHERSON		Bruce Hatton	42
Ray Orlando	46	Gerald Huestis	79	MICHAEL COLLINS		TSUN	3:56.98
ELMWOOD SHARKS	3:00.18	Andrew Holden	80	BRAD WINSOR		Joe Healy	40
Gerald Olivier	68	Allan De Lay	84	JOHN KEPPELER		Brian Fitzgibbons	43
Dick Bower	69	SAN DIEGO SWIM	3:37.65	ART	3:46.45	Bart McDermott	43
Bob Reimers	56	Edgar Lassins	79	Jeff Bakehorn	35	Tod Hill	36
Kenneth Hava'	47	Jerry Siefert	82	Mark Kaiser	36	SQUI	4:01.88
GOLD	3:00.97	Tom F Dowell	77	Robert Harms	29	Jeff Johnson	27
Jeff Gill	59	Jim Eubank	84	Bruce Hayes	36	Patt Chaiyaraj	36
Carl House	60	FMM	4:40.91	FINS	3:48.37	Allen Rheem	50
L Silverstein	65	Frank Tillotson	85	Charlie Johnson	37	Tom Whatley	48
George Busse	67	Frank Starr	89	Jason Klugman	28	NEM	4:05.44
MESC	3:12.44	E Don McCullough	84	Jim Harper	32	Kevin Stapleton	36
George Erswell	73	Dave Malbrough	86	Jim Jordan	34	Fred Schlicher	51
Peter Packard	67					Michael Kennedy	38
Arnie Green	67					Stuart Cromarty	35

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

SDSM	4:10.22				
Scott Ehrlich	47	400 M. FREE REL	MEN 240+	Antonio Sandoval	23
Michael Tompkins	45			William Dietrich	28
Mark Spratt	44			Brian Terczynski	25
Jeff Peargin	32	SAN DIEGO	4:22.02 99	Brett Young	21
ART	4:10.93	MIKE FRESHLEY			
John Brown	34	DONALD BAKER		400 M. MEDLEY R	MEN 100+
Scott Friedlander	42	BILL EARLEY			
John Ladky	48	MICHAEL AHERN		NEW ENGLAND	4:01.21 99
Alex Bailey	38	SAN DIEGO SWIM	4:22.02	GREG WRIEDE	
SWIM	4:16.52	Mike Freshley	58	JONATHAN BANVILLE	
Casey Claflin	46	Donald J Baker	68	MARK GOLDMAN	
Dean Mitchinson	31	Bill Earley	63	STUART CROMARTY	
Bill Keenan	56	Michael Ahern	54	NEM	4:01.21
Ed Switzer	31	COLONIALS 1776	6:19.58	Greg Wriede	22
TNYA	4:24.06	Roger Franks	72	Jonathan Banville	29
Patrick Gallagher	46	Ernest Moore	72	Mark Goldman	28
Matthew O'Grady	39	William Marino	72	Stuart Cromarty	35
Michael D'Amico	46	David Gladfelter	63	TSUN	4:20.41
Buck Broker	43			Tod Hill	36
		400 M. FREE REL	MEN 280+	Mark Harlow	28
400 M. FREE REL	MEN 200+	SAN DIEGO	5:04.75 98	Jim Ruggiero	27
OLYMPIC CLUB	4:00.54 96	BILL EARLEY		Stephen Lapaz	24
TIM BIRNIE		DON BAKER		GRIN	4:23.44
ROBERT STRAND		WILLIAM PHILLIPS		Todd Mercer	32
RICHARD BASSI		JIM EUBANK		Jeremy Houchens	29
EDWARD CAZALET		SAN DIEGO SWIM	5:21.23	Grant Comer	25
SAN DIEGO SWIM	4:21.38	Ken Kimball	69	Dennis Pette	23
Thomas Green	52	Donald Hubbard	72	IM	4:25.51
Steve Moseley	61	Milton Sens	73	James Ralph	26
Mark Hansen	46	William Phillips	71	Chris Alcott	24
Michael Tompkins	45	FMM	6:35.18	Chris Colburn	27
WH20	4:40.47	Don Smith	69	Brent Lightfoot	31
Brian Murphy	51	Alan Maloney	70	SDSM	4:30.42
Neal Wiener	55	Frank Tillotson	85	Jon Rimer	22
Charles Larson	47	Charles Schlegel	69	Dana Thomason	35
David Hay	49	SPM	7:03.76	Matt Alder	25
DCAC	4:41.17	Ned Allen	69	Jeff Peargin	32
Ken Beier	50	Richard Avery	76	TNYA	4:35.38
Doug Wilson	49	Robert Atwood	79	Jean-M Agostini	28
Rick Gore	54	Harold Ferris	69	Alex Hall	28
Jack Markey	47	SPCO	7:04.83	Onesimo De Mira	26
MARYLAND MASTER	5:14.88	Al Rogerson	74	Scott Hirose	33
Jack Iliff	55	Lester Bell	78	TSUN	4:38.55
Bill Conroy	56	Robert Sigersmith	75	Andy Early	33
Philip Kerr	64	Richard Robecki	70	Tim Lane	30
Bill Kvetkas	38			Stephen Martel	29
NEM	5:15.70	400 M. FREE REL	MEN 320+	Rudy Guadron	25
James Christopher	72	COAST MASTERS	6:34.05 95	NEM	4:41.34
Andrew Richelson	52	BRION WINSHIP		George Mix	26
Mark Mitsch	42	ROBERT CHRISTIANS		Scott Christensen	27
Daniel Rogacki	52	WALTER PFEIFFER		Bradley Harris	25
NEM	5:28.78	WOODROW BOWERSOCK		John Oliver	24
Charles Doleac	52	SAN DIEGO SWIM	7:33.52	ART	4:48.86
Byron Siegal	52	Jim Eubank	84	Mike Karls	31
Patrick Stevens	46	Jerry Siefert	82	Anthony Nardis	24
Marc Scheele	53	Edgar Lassins	79	Scott Stuart	33
GAJA	5:29.10	Tom F Dowell	77	Mike Cuccaro	31
Bill McClung	60	MESC	10:49.32	GERMANTOWN MAST	4:55.25
Kenneth Miller	61	John White	83	Kevin Miller	27
John Zeigler	54	Roger Snow	81	Daniel Blitz	32
David Wilshin	58	Norman Seagrave	83	Matt Ellenburg	25
SDSM	5:30.74	John Woods	81	Shane Hebert	28
Mike Greenberg	53			400 M. MEDLEY R	MEN 120+
Tom Rodgers	55	400 M. MEDLEY R	MEN 76+		
Thomas Herbert	45	DCAC	4:14.83 98	DCAC	4:04.80 99
Charlie Kaehler	48	MARCUS CHUNG		JEROME FRENTSOS	
O*H*I*O MASTERS	5:34.00	MATT KINNEY		MATTHEW KINNEY	
Gordon DeMeester	57	COREY CARLISLE		COREY CARLISLE	
Bill Bretz	44	HUGH MCGOWAN		STANFORD YOUNG	
Dan Mansuy	55	DCAC	5:05.46	DCAC	4:04.80
Ward Kinney	47	Ryan Lebro	25	Jerome Frentsos	34
OJAI-SANTA BARB	5:36.12	A Medina-Marino	24	Matthew Kinney	29
Robert Mitchell	41	Robert Pinson	24	Corey Carlisle	28
Robert May	65	Mark Shulman	24	Stanford Young	35
John Bleck	66	SDSM	5:13.08	ART	4:12.29
Tom Mitchell	66			Bruce Hayes	36
				Jack Mackenroth	30
				Robert Harms	29
				Jeff Bakehorn	35
				GARDEN STATE MA	4:19.89
				Curtis Sawin	28
				Benn Doyle	41
				Rob Copeland	43
				Scott Yeomans	35
				SPLS	4:20.14
				Michael Melnick	32
				Todd Radel	27
				Kevin Tunstall	34
				Matt White	32
				MIST	4:22.72
				Senn Thomas	32
				Stephen Nelson	38
				Scott Winter	38
				Hans Gaedeke	33
				ORCA	4:29.15
				Matthew Lind	35
				Robert Young	34
				Jon Pauole	29
				Andrew Wood	26
				GOLD	4:33.95
				Kelly King	41
				Sean Frampton	33
				Bill Korey	36
				Jonathan Olsen	36
				MENLO PARK	4:39.98
				Ed Owen	28
				Charlie Cortes	30
				Eduardo Llach	40
				Al Humphrey	40
				NEM	4:42.67
				Gregory Miller	35
				Charlie Greenough	36
				Garrison Corben	37
				Samuel Pang	40
				SAN DIEGO SWIM	4:44.15
				Eric Bonney	30
				Eric Neilsen	34
				Daniel Peck	23
				Vernon Rogers	38
				400 M. MEDLEY R	MEN 160+
				S CAL AQUATIC	4:15.60 97
				MIKE FRAZER	
				BRIAN HAYES	
				CLAY EVANS	
				STUART VANCE	
				WH20	4:17.93
				Gary Quinn	41
				Mauro Bordovsky	43
				Philip Hayman	38
				Kurt Smith	39
				FINS	4:26.58
				Charlie Johnson	37
				John Cigler	40
				John Culhane	43
				Keith Robinson	45
				ORCA	4:33.34
				Leonardo Espinosa	39
				Jim Lasersohn	34
				Mark Blagdon	45
				Rick Peterson	48
				SAC	4:34.66
				David Ugarkovich	50
				Andrew Brenan	39
				Scott Reuss	38
				Markus Boedtger	35
				GARDEN STATE MA	4:35.65
				Andrew Maggion	43
				Michael Leddy	40
				Brent Matheson	32
				Steven Treble	47
				TSUN	4:39.59
				Cris Allen	46
				Wayne Rogers	40

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

Brian Fitzgibbons	43	SAN DIEGO SWIM	5:11.37	TSUN	8:45.23	JIM STEWART	
Joe Healy	40	Bill Earley	63	Mark Harlow	28	JOE VRUDNY	
MIST	4:49.73	Mike Freshley	58	Kevin Williams	30	PAUL WINDRATH	
Chris Andersen	46	Michael Ahern	54	Jim Ruggiero	27	WH20	8:39.24
Lindsey Kopp	42	Donald J Baker	68	Stephen Martel	29	Philip Hayman	38
Scott Winter	38	SAN MATEO	6:49.47	ART	9:20.07	Bruce Hatton	42
John Bullough	42	Don Stupfel	71	Anthony Nardis	24	Scott Genkinger	40
TDAC	5:07.47	Mike Milliman	65	Jay Colucci	29	Gary Quinn	41
William Baker	47	Dick Peterson	62	Mark Reeves	31	FINS	8:48.14
Bill Hartley	32	Roger Campbell	69	Enrique Erosa	35	John Cigler	40
Bill Kritzer	42	400 M. MEDLEY R	MEN 280+	SAN DIEGO SWIM	10:02.04	John Culhane	43
Brad Levinson	43	OREGON	6:25.20 91	Matt Alder	25	Keith Robinson	45
FINS	5:08.01	EARL WALTER		Brian Terczynski	25	Charlie Johnson	37
Luke Tigue	47	BOB MORRISON		Barry Brockman	30	DCAC	8:53.50
David Topel	46	ANDREW HOLDEN		Michael Given	35	Jay Fisette	43
Jim Senior	36	FORBES MACK		800 M. FREE REL	MEN 120+	Peter Beard	40
John Roman	44	FMM	6:50.03	DCAC	8:01.80 96	Mike Dowhy	36
TNYA	5:09.03	Paul Hutinger	75	NEILL WILLIAMS		Alan Godfrey	42
Curtis Brown	44	Charles Schlegel	69	DAVID MICHAELS		TSUN	8:54.34
Buck Broker	43	Alan Maloney	70	STEVE SMITH		Joe Healy	40
David Mowers	34	Robert Williams	72	ERIC KIELIN		Brian Fitzgibbons	43
Brad Cole	41	COLONIALS 1776	7:40.12	ART	8:30.45	Bart McDermott	43
400 M. MEDLEY R	MEN 200+	Ernest Moore	72	Kevin Mylod	31	Tod Hill	36
JERSEY MASTERS	4:38.38 96	Norman Garsoe	76	Lorenzo Benucci	32	TNYA	8:56.88
RICH ALEXANDER		Roger Franks	72	Sean Fitzgerald	36	David Dunn	40
ED NESSEL		William Marino	72	Alex Bailey	38	David Mowers	34
ART DEFFAA		SPM	9:01.23	Alan Voisard	39	Buck Broker	43
JIM DRAGON		Robert Atwood	79	Eric Neilsen	34	Charles Carson	45
WH20	5:06.21	Richard Avery	76	Vernon Rogers	38	O*H*I*O MASTERS	9:21.88
Tom Reudy	45	Ned Allen	69	Daniel Peck	23	Jack Groselle	45
Jon Bauer	47	Harold Ferris	69	LAKESIDE MASTER	9:00.29	Karl Kazmaier	44
Paulo Figueiredo	53	SPCO	9:13.32	Dale Mercker	32	Craig Dallam	41
Neal Wiener	55	Robert Sigersmith	75	Chad Cummings	26	Jeffrey Dropsey	41
GOLD	5:20.61	Richard Robecki	70	John Gleason	39	MICHIGAN	9:53.72
Mike Zimmerman	54	Al Rogerson	74	Jim Luebbe	32	Bruce Spoelman	42
Marty Hendrick	41	Lester Bell	78	WH20	9:06.81	Harvey Hoffmaster	43
Barry Gollop	44	400 M. MEDLEY R	MEN 320+	Jim Rhyne	34	Elmer Sperry	45
Michael Dively	61	COAST	7:39.16 97	Steven Wyllie	33	Frank Thompson	48
SAN DIEGO SWIM	5:28.98	LOUIS GIBERSON		James Frost	35	LAKESIDE MASTER	9:59.12
Vinus Van Baalen	57	WOODROW BOWERSOCK		Tim Burke	42	Jimbo Martin	41
Mike Freshley	58	BOB CHRISTIANS		GARDEN STATE MA	9:13.94	Bucky Stoess	39
James Boswell	39	WALTER PFEIFFER		Doug Clark	31	Charles Miesner	44
Bill Earley	63	NO RELAYS		Rob Copeland	43	William Tingley	49
TNYA	5:56.92	800 M. FREE REL	MEN 76+	Scott Yeomans	35	ART	10:01.94
Ed Dunne	56	EMPIRE STATE	8:56.41 93	David Siconolfi	48	David Eng	41
Jack Curry	47	TONY MEINDL		Matt White	32	Jim Ebert	36
Louis Tharp	48	ALEXANDER HALL		Todd Radel	27	John Ladky	48
Jack Alexander	52	JOHN SPEER		Rick Edwards	33	David Runyan	36
GAJA	6:01.22	ROBERT VALENTIN		Grant Wilson	33	SAN DIEGO SWIM	10:10.20
David Wilshin	58	DCAC	11:14.69	TSUN	9:40.54	James Ney	41
John Zeigler	54	A Medina-Marino	24	Tim Sinclair	35	Larry Cartwright	51
Kenneth Miller	61	Mark Shulman	24	Wilson Rumble	38	Eric Bonney	30
William Lotz	50	Ron Kaplan	28	Wayne Rogers	40	Paul Sporleder	47
DCAC	6:04.29	Hugh McGowan	22	Dale Zink	37	800 M. FREE REL	MEN 200+
Ken Beier	50	800 M. FREE REL	MEN 100+	SAN DIEGO SWIM	9:42.60	CONNECTICUT	9:48.41 92
Rob Bigelow	46	DAVIS AQUATIC	7:57.87 95	Abel Menchaca	42	RONALD MOLNAR	
Barry Haddan	48	MICHAEL COLLINS		Mark Spratt	44	DANIEL DAVIS	
Bill Donovan	56	MATT GRAHN		Raymond H Summers	35	MICHAEL LAUX	
MENLO PARK	6:25.20	BRAD WINSOR		Gregory Fong	30	JACK GEOGHEGAN	
Rick Peterson	52	JOHN KEPPELER		DCAC	9:55.76	CRESCENT HILL	9:53.20
Dave Gildea	57	DCAC	8:41.83	Steven Dickens	34	John Graham	54
Sam Sinnott	45	Matthew Kinney	29	Brady Phillips	32	E Norman Scott	55
Roger Noyes	49	Greg Leo	27	Glenn Mlaker	32	Thomas Mester	48
NEM	6:32.06	Marc Legoff	36	Arthur Marnane	36	Edward Bell	46
Charles Doleac	52	Marcus Chung	23	TDAC	10:03.76	WH20	10:09.50
Byron Siegal	52	CRESCENT HILL	8:42.70	William Baker	47	Brian Murphy	51
Patrick Stevens	46	Abraham Solano	30	Timothy Kessler	36	Paulo Figueiredo	53
Marc Scheele	53	Paul Widman	26	Brad Levinson	43	Jay Olson	50
400 M. MEDLEY R	MEN 240+	Jose Nieto	19	Larry Mock	33	Charles Larson	47
SAN DIEGO	5:11.37 99	Eric Fors	29	800 M. FREE REL	MEN 160+	OREG	10:29.21
BILL EARLEY		MINNESOTA	8:25.47 98	NATE LEIGH		David Radcliff	65
MIKE FRESHLEY						Christophe Toole	48
MICHAEL AHERN						Tom Landis	57
DONALD BAKER						Jim Teisher	50
						SAN DIEGO SWIM	10:40.96
						Mike Freshley	58

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

Bill Earley	63	Susan Rector	23	NORTH CAROLINA	1:51.27	LAKESIDE MASTER	2:01.63
Vinus Van Baalen	57	Layne Flowe	31	Jennifer Mancini	23	Amy Pope	39
James Boswell	39	DCAC	2:20.18	Sue Haugh	38	Kirk Buese	39
GOLD	10:47.06	Brian Gluckman	24	John Sloyan	31	Pam Martin	42
Michael Dively	61	M Schoenfeld	22	Frank Wefering	31	Kevin Scarborough	44
Mike Zimmerman	54	Jennifer Drake	24	SAN DIEGO SWIM	1:53.38	GARDEN STATE MA	2:04.08
Barry Gollop	44	Ryan Lebro	25	Eric Neilsen	34	Jim Dragon	55
Marty Hendrick	41			Jeni Buys	30	Linda Brown-Kuhn	40
MARYLAND MASTER	11:09.75	200 M. FREE REL MIXED 100+		K Pipes-Neilsen	37	Pete Rahko	34
Bill Conroy	56	EL SEGUNDO	1:41.62 97	Daniel Peck	23	Susan Kirk	39
Jack Iliff	55	BERT BERGEN		LAFAYETTE MASTE	1:53.86	GAJA	2:04.73
Philip Kerr	64	D GRANER GALLAS		Julie Gurzi	30	Penny Noyes	45
Thomas Matysek	45	MARCEL RINZLER		Kelly Chadick	30	Paige Joyner	38
LAKESIDE MASTER	11:23.71	HEIDI HANNENIAN		Danielle Cozier	33	John Zeigler	54
Glenn Hubbuch	52	OJAI-SANTA BARB	1:50.34	Art Wells	34	Igor Vazhenin	35
Rick Blondell	47	Jane Cairns	29	DCAC	1:54.01	SPCO	2:06.27
Richard Scheu	59	Bill Kuhn	34	Joseph Kaufman	32	Pamela Biegert	42
Theodore Wathen	52	Mike Shaffer	34	Rachel Frentsos	28	John McCall	48
OJAI-SANTA BARB	11:44.14	Talia Brott	19	Suzie Fisch	30	Lauren Hardman	35
Tom Mitchell	66	DCAC	1:57.40	M Terahigashi	32	Peter Turner	40
Robert May	65	Mike Flynn	29	PNA	1:54.05	ARIZONA MASTERS	2:06.60
Robert Mitchell	41	Caroline Ivers	26	Carolyn Mathews	37	Jeffrey Krongaard	45
David Schrader	43	Siobhan Millette	25	Linda Hegeberg	29	Mark Lambert	41
NEM	12:06.92	Tom Buerger	29	David Austin	25	Kathi Bullock	46
Mark Mitsch	42	GRIN	1:59.57	Robert Fish	36	Carole Kepler	39
Cliff Jennings	46	Geoffery Sprinkle	33	GARDEN STATE MA	1:54.69	200 M. FREE REL MIXED 200+	
James Christopher	72	Jeanne Zappe	34	Laura Smith	29	SAN DIEGO	1:54.31 99
Daniel Rogacki	52	Kate Toole	24	M Dellisanti	32	MIKE FRESHLEY	
COLONIALS 1776	12:22.61	Josh Skube	24	Ed Tsuzuki	41	BARBARA DUNBAR	
David Gladfelter	63	TNYA	1:59.62	Steve Silbaugh	33	BETH KNIGHT	
Edward Morgan	60	Jessica Geist	24	MENLO PARK	1:55.91	MICHAEL AHERN	
Henry Detering	54	Liv Gjestvang	24	David Kane	28	SAN DIEGO SWIM	1:54.31
Peter Graber	45	Scott Hirose	33	Ed Owen	28	Mike Freshley	58
800 M. FREE REL MEN 240+		Kozo Suzuki	36	Lisa Sheeper	35	Barbara G Dunbar	50
SAN DIEGO	10:20.54 97	CRAWFISH AQUATI	2:00.15	Juliet Applewhite	37	Beth Knight	40
MIKE FRESHLEY		Alex Romero	34	NEM	1:56.82	Michael Ahern	54
BILL EARLEY		Gina Cheuk	20	Patty Hodge	34	IM	1:55.30
KENNETH KIMBALL		Miah Broussard	23	Donald Jensen	39	Peter Andersen	56
WILLIAM PHILLIPS		Clark Allen	29	Edmund Gendreau	37	Cynthia Jones	49
NO RELAYS		FOG CITY	2:03.16	Maryellen Powers	33	Cynthi Stonesifer	47
800 M. FREE REL MEN 280+		Dan Candelaria	31	ARIZONA MASTERS	1:56.85	J Nathan Leech	50
SAN DIEGO	11:31.62 99	Lori Dulci	28	Stephen So	25	SAN MATEO	2:00.97
WILLIAM PHILLIPS		Vivian Walsh	28	Steve Vaughn	34	Randy Brown	51
KEN KIMBALL		Erica Dunn	26	Jennifer Jones	33	Danielle Ogier	47
JIM EUBANK		ART	2:03.44	Laura Winslow	39	Dale Finch	49
STEVE MOSELEY		Racheal Walton	29	200 M. FREE REL MIXED 160+		Don Galine	54
SAN DIEGO SWIM	11:31.62	Jill Vanauken	30	SAN DIEGO	1:47.38 96	GOLD	2:05.69
William Phillips	71	Scott Porter	29	BETH KNIGHT		Cav Cavanaugh	64
Ken Kimball	69	Marc Jones	30	K.PIPES-NEILSEN		Debbie Cavanaugh	41
Jim Eubank	84	PARRIS ISLAND	2:03.93	LARRY CARTWRIGHT		Meg May	41
Steve Moseley	61	David Boyer	21	LEE MENCH		Alan Rapperport	66
800 M. FREE REL MEN 320+		Terry Butts	29	NORTH CAROLINA	1:57.69	MENLO PARK	2:09.49
COAST	15:10.98 97	Lisa Soule	26	Alan Godfrey	42	Carl Mortensen	55
LOUIS GIBERSON		Jennifer Rous	30	Beverly Amick	45	Dave Gildea	57
WOODY BOWERSOCK		LAFAYETTE MASTE	2:08.99	Fritz Lehman	41	Rebecca Pinto	44
BOB CHRISTIANS		Darrin Anderson	29	Laurie Watson	37	Ginny Langmuir	47
WALTER PFEIFFER		Mary Helm	33	SPM	1:58.38	PNA	2:12.04
NO RELAYS		Holli Guidry	30	Charlott Petersen	35	Kathrine Casey	51
MIXED RELAYS		Derek Crusan	25	Pete Arnold	60	Suzanne Dills	54
200 M. FREE REL MIXED 76+		ELMWOOD SHARKS	2:09.77	John Galloway	34	Hugh Moore	45
OLYMPIC CLUB	1:43.33 95	Charles Cook	34	Tricia Moses	40	Michael McColly	54
SHARON SCOTT		Angele Salassi	33	GRIN	1:59.13	GOST	2:13.96
ALICIA WALKER		Ellie Rounds	23	Brad Roby	38	John Florance	77
JAMIE PATRICK		James Wray	28	Ann Schnieders	39	Ann Guins	46
MARTIN HERMANN		200 M. FREE REL MIXED 120+		C Gettelfinger	42	Melinda Smith	47
NORTH CAROLINA	2:09.23	ST.PETE	1:45.78 96	Jim Fox	47	Yoshi Oyakawa	66
Charles Britt	19	LISA SUMMERS		NORTH CAROLINA	1:59.64	TEAM GREENVILLE	2:15.45
Lee Ann Britt	25	WILLIAM SPECHT		Mary Sansbury	46	Mark Kothe	33
		MCKEITHEN-BUSSEY		Kevin Facchine	44	Bill Robertson	63
		STUART BARTON		Sue Haugh	38	Mary Lou Hill	51
		GEORGIA	1:50.94	Jonathan Klein	42	Barbara Merin	65
		Penny Noyes	45	SPM	2:00.90	ARIZONA MASTERS	2:15.50
		Laureen Welting	33	Judy Tibma	43	Jim Stites	42
		Mike Reid	38	Ray Orlando	46	Christoph Aikman	37
		Steve Justice	41	Lisa Flanagan	37	Judy Gillies	51
				William Specht	41	Nancy MacBeth	70

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

ELMWOOD SHARKS 2:21.40	Malchia Olshan 68	Rob Berry 31	Penny Noyes 45
Bob Reimers 56	Jurgen Schmidt 76	Jonathan Banville 29	Tom Northcutt 34
Marty Morgan 47	Ruth Baar 76	Stephanie Wriede 29	Laureen Welting 33
Janice Campbell 53	COLONIALS 1776 3:26.10	J Gold-Minotti 30	Mike Reid 38
Kenneth Hava' 47	Mary Wixted 77	CRESCENT HILL 2:00.03	GARDEN STATE MA 2:05.97
200 M. FREE REL MIXED 240+	Norman Garsoe 76	Rhona Feltzer 25	A Luallen-Scholz 34
SAN DIEGO 2:06.22 98	Ruth Aaron 70	Norman Schippert 36	Benn Doyle 41
MIKE FRESHLEY	Roger Franks 72	Abraham Solano 30	Carolyn Scalise 23
BETSY JORDAN	SAN MATEO 3:33.01	Alexandra Nieto 27	Pete Rahko 34
JACKIE MARR	Gloria Stupfel 73	OJAI-SANTA BARB 2:12.03	NEM 2:07.82
DONALD BAKER	Zada Taft 80	Jane Cairns 29	Patty Hodge 34
SAN DIEGO SWIM 2:11.79	Don Stupfel 71	Valerie Palmer 21	Edmund Gendreau 37
Steve Moseley 61	Ray Taft 80	Mike Shaffer 34	Maryellen Powers 33
Deborah Peckham 60	OJAI-SANTA BARB 3:52.08	Bill Kuhn 34	Mike Anderson 28
Jackie M Marr 56	Jennie Taylor 82	DCAC 2:13.03	NORTH CAROLINA 2:13.28
Bill Earley 63	R Clark Webster 84	Joseph Kaufman 32	Liz Sullivan 25
GEORGIA 2:26.02	Helen Fredell 57	Craig Badinger 25	Keith Moon 36
Franci Williamson 51	Tom Mitchell 66	Leslie Rhee 25	C Vanderhorst 47
Alice-H Adams 53	NORTH CAROLINA 4:26.69	Siobhan Millette 25	Kerry Fraas 25
George Gfroerer 65	Judy Kelly 75	NEM 2:18.03	NORTH CAROLINA 2:13.73
Jack Mitchell 72	Rob Glotzer 49	David Koconis 34	Jonathan Klein 42
CONN MASTERS 2:33.42	Nancy McPhee 66	Robert Sczupak 30	Greg Zoltners 35
Margit Jebe 61	Harold Hoffman 91	Diana Bujewitsch 21	Pamela Lindroos 33
Ray Thornberg 60	ELMWOOD SHARKS 4:56.45	Bridget Samuel 31	Patricia Hogan 30
Ronnie Kamphausen 65	Betty Russo 68	NORTH CAROLINA 2:19.44	ARIZONA MASTERS 2:14.43
Ron Unkrich 60	Rosemary Kariker 80	Heather Hageman 29	Christoph Aikman 37
MICHIGAN 2:37.90	Virgil Bernard 67	Lee Ann Britt 25	Jennifer Jones 33
Elmer Egelkraut 66	Elmer Frost 76	Charles Britt 19	Stephen So 25
Thomas Moyer 52	200 M. FREE REL MIXED 320+	Konstantin Sturza 36	Laura Winslow 39
Beverly Myers 64	SAN MATEO 3:33.37 97	ART 2:22.89	200 M. MEDLEY R MIXED 160+
Lois Nochman 75	AUDREY ETIENNE	Wendy Kellner 24	SAN DIEGO 1:59.93 99
SPM 2:38.53	RAY TAFT	Amanda Cross 23	K PIPES-NEILSEN
Jayne Lambke 60	ZADA TAFT	Jay Colucci 29	CAROLINE KRATTLI
Richard Avery 76	JOE KAUFMAN	David Payne 31	CHRIS DIXON
Sandy Steer 60	SAN MATEO 3:28.10NV	WH20 2:22.95	JOSEPH KERNAN
Harold Ferris 69	Fred High 78	Kiley Ames-Klein 23	SAN DIEGO SWIM 1:59.93
ELMWOOD SHARKS 2:45.58	Zada Taft 80	Steven Wyllie 33	K Pipes-Neilsen 37
Dick Bower 69	Audrey Etienne 83	Morri Spang 43	Caroline Krattli 37
Barbara Bower 61	Ray Taft 80	Fernando Alberto 20	Chris A Dixon 42
Cecile Many 45	COAST MASTERS 3:56.68	Darrin Anderson 29	Joseph Kernan 44
Gerald Olivier 68	Madeleine Miller 89	Holli Guidry 30	MACO 2:09.77
O*H*I*O MASTERS 2:53.98	Maurine Kornfeld 78	Derek Crusan 25	David Burleson 42
Doug Brogan 67	Louis Giberson 79	Monica Bryan 35	Becky Oblatz 40
Marianne Brogan 64	Woody Bowersock 86	LA MESA MASTERS 2:43.62	Robin Parisi 45
Julio Aponte 54	FMM 4:01.13	Nicole Belandres 24	Daniel Knauer 39
Betty Russ 72	Frank Starr 89	Timothy Madigan 34	GOLD 2:16.38
COLONIALS 1776 2:54.65	Gladys Olsen 73	Wendy Alcock 29	Bill Korey 36
William Marino 72	Frank Tillotson 85	Matt F Kritz 27	Debbie Cavanaugh 41
Ernest Moore 72	Regan Kenner 76	200 M. MEDLEY R MIXED 120+	Tim Erickson 43
Janet Moeller 65	200 M. MEDLEY R MIXED 76+	LAKESIDE 1:58.28 89	Meg May 41
Mary Ann McClain 58	NEW ENGLAND 1:57.66 99	WILLIAM TINGLEY	SWIM 2:16.91
OJAI-SANTA BARB 2:55.15	CORINNE MURPHY	GINA GATTI	Casey Claflin 46
Robert May 65	GREG WRIEDE	MICHAEL HIGGS	Adrienne Seal 34
Grace Altus 75	MARK GOLDMAN	MELINDA SCHMITT	Kevin McCormack 47
Sylvia Glenn 62	MICHELLE HACKMER	SAN DIEGO SWIM 2:02.47	Melissa Delisser 41
John Bleck 66	NEM 1:57.66	K Pipes-Neilsen 37	NORTH CAROLINA 2:17.36
FMM 2:59.25	Corinne Murphy 26	Caroline Krattli 37	Laurie Watson 37
Margie Hutinger 59	Greg Wriede 22	James Boswell 39	Sue Haugh 38
Doris Prokopi 64	Mark Goldman 28	Chris Dixon 42	Jonathan Klein 42
Alan Maloney 70	Michelle Hackmer 23	DCAC 2:03.95	Kevin Facchine 44
Robert MacDonald 71	DCAC 2:07.28	Kristen Corbett 33	GRIN 2:17.96
200 M. FREE REL MIXED 280+	Elisa Novak 24	M Terahigashi 32	Charles Heiser 34
SAN DIEGO 2:29.78 99	Tom Buerger 29	John O'Keefe 32	C Gettelfinger 42
JEANNE LITTLE	Robert Pinson 24	Joanne Sonberg 25	Michael Carter 49
BETSY JORDAN	Caroline Stender 22	SPM 2:04.64	Ann Schnieders 39
DONALD HUBBARD	200 M. MEDLEY R MIXED 100+	William Specht 41	MARYLAND MASTER 2:22.15
JIM EUBANK	EL SEGUNDO 1:52.80 97	John Galloway 34	Jill Springer 40
SAN DIEGO SWIM 2:29.78	D GRANER GALLAS	Tricia Moses 40	Carol Declue 35
Jeanne H Little 62	DAVE HUSTON	Charlott Petersen 35	Jack Iliff 55
Betsy Jordan 62	DEREK ROBINSON	FINS 2:04.81	Bill Kvetkas 38
Donald Hubbard 72	HEIDI HANNENIAN	Jim Jordan 34	GOLD 2:23.45
Jim Eubank 84	NEM 1:58.19	Jim Harper 32	Alan Rapperport 66
OJAI-SANTA BARB 2:42.06	200 M. FREE REL MIXED 240+	Joan Buehler 37	Jennifer Coers 29
Frank Pienne 74	SAN DIEGO 2:29.78 99	Eike Hoffmann 27	William Turco 44
	JEANNE LITTLE	GEORGIA 2:04.81	Celia Devanney 42
	BETSY JORDAN		GOLD 2:23.96
	DONALD HUBBARD		
	JIM EUBANK		
	SAN DIEGO SWIM 2:29.78		
	Jeanne H Little 62		
	Betsy Jordan 62		
	Donald Hubbard 72		
	Jim Eubank 84		
	OJAI-SANTA BARB 2:42.06		
	Frank Pienne 74		

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

Gabriela Moss	28	John Kortheuer	68	Ray Thornberg	60	Stephanie Wriede	29
Michael Dively	61	Dick Webber	70	Nancy Phillips	77	Rob Berry	31
Joel Burns	53	SAN DIEGO SWIM	2:39.61	SAN DIEGO SWIM	3:33.55	Katherine Veazey	26
Amber Weiss	25	Bill Earley	63	Diana Silva	77	DCAC	4:22.99
NEM	2:25.17	Steve Moseley	61	Marian Wolle	71	Joseph Kaufman	32
Tracy Grilli	42	Jackie Marr	56	Donald Hubbard	72	Siobhan Millette	25
K Nisley-Black	44	Jeanne Little	62	Jordan Wolle	71	Sara Megan Reise	24
Michael Hirst	39	MARYLAND MASTER	2:55.59	FMM	3:36.29	Mike Flynn	29
Bob Black	45	Jill Coleman	69	Paul Hutinger	75	NEM	4:37.00
		Thomas Matysek	45	Rosie Vijil	65	Matt Craig	29
200 M. MEDLEY R MIXED 200+		Nancy Brown	63	Alan Maloney	70	Carol Prescott	30
ILLINOIS	2:08.93 99	Philip Kerr	64	Gladys Olsen	73	Mike Anderson	28
J NATHAN LEECH		HEARTLAND MAST	2:58.50	ARIZ	3:41.77	Kara Daly	23
PETER ANDERSEN		Marlee Valderhaug	58	Joan Hornyan	73	ART	4:48.65
C STONESIFER		Ron Schafer	42	Sumie Anderson	66	Craig Shackelford	26
CYNTHIA JONES		Gene Sapper	70	Wallace Sawhill	80	Jill Burgtorf	26
IM	2:08.93	Nancy Reed	72	Ralph Karlin	63	Rae Riley	36
J Nathan Leech	50	SAN MATEO	3:02.25	COAST MASTERS	3:42.24	Tom Jurek	30
Peter Andersen	56	Ross Shoemaker	57	Margo Bouer	64	ART	5:28.25
Cynthi Stonesifer	47	Dick Peterson	62	Maurine Kornfeld	78	William Rencher	29
Cynthia Jones	49	Lynne Taft	57	Bob Merrick	79	Jason Smith	24
SAN DIEGO SWIM	2:14.95	Meik McCubbin	64	Woody Bowersock	86	Sue Hackett	31
K Pipes-Neilsen	37	SAN DIEGO SWIM	3:08.13	SAN MATEO	3:46.50	Monique Gainer	35
Mike Freshley	58	Diana Silva	77	Fred High	78		
Barbara Dunbar	50	Paul Sporleder	47	Danielle Ogier	47	400 M. FREE REL MIXED 120+	
Bill Earley	63	Diane Hirakawa	50	Ray Taft	80	SAN DIEGO	3:54.42 96
MACO	2:19.96	Milton Sens	73	Zada Taft	80	ALAN VOISARD	
Teri Hendryx	46	SPM	3:12.25			STEPHEN SEGRETO	
Ginger Pierson	53	Richard Avery	76	200 M. MEDLEY R MIXED 320+		K PIPES-NEILSEN	
Karl Von Tagen	56	Sandy Steer	60	COAST MASTERS	3:54.19 98	VICKY DAVIDSON	
Robert Maestre	49	Jayne Lambke	60	MADELEINE MILLER		NEM	4:18.96
SAN MATEO	2:20.03	Harold Ferris	69	MAXINE MERLINO		Patty Hodge	34
Danielle Ogier	47	OJAI-SANTA BARB	3:28.73	BOB MERRICK		Michael Busby	39
Dale Finch	49	Sylvia Glenn	62	WOODROW BOWERSOCK		Edmund Gendreau	37
Randy Brown	51	John Bleck	66	FMM	4:00.28	Maryellen Powers	33
Don Galine	54	Grace Altus	75	Frank Tillotson	85	NEM	4:19.09
GOLD	2:20.95	Robert May	65	Regan Kenner	76	Robert Sczupak	30
Debbie Cavanaugh	41	SCC	3:33.77	Gladys Olsen	73	S Brostrup-Jensen	32
George Schmidt	49	Jean Zulich	79	Dave Malbrough	86	Bridget Samuel	31
Cav Cavanaugh	64	James Browne	61	SAN MATEO	4:49.97	Timothy Phillips	40
Marcia Barry	51	Nancy Meissner	66	Fred High	78	DCAC	4:24.40
GEORGIA	2:22.02	James Pitts	69	Hilda Buel	85	Kevin Majoros	39
George Gfroerer	65	O*H*I*O MASTERS	3:52.02	Ray Taft	80	Suzie Fisch	30
Patricia Mattson	46	Julio Aponte	54	Audrey Etienne	83	Elizabeth Reisch	27
Reed Farris	44	Carol Ganzel	68			Michael Pletke	35
Heidi Ernst	47	Marianne Brogan	64	400 M. FREE REL MIXED 76+		TSUN	4:26.42
MONTG ANCIENT M	2:33.61	Doug Brogan	67	OJAI-SBARB	4:05.70 99	Cari Spivack	30
Barry Bluefeld	51	200 M. MEDLEY R MIXED 280+		JAMES BUCK		Tim Lane	30
Margot Pettijohn	53	SAN DIEGO	2:49.27 99	TALIA BROTT		Lisa Congdon	31
David Harmon	50	BETSY JORDAN		LIZ HAWES		Kevin Williams	30
Myriam Pero	50	TOM DOWELL		BILL KUHN		NEM	4:33.30
DCAC	2:39.01	JEANNE LITTLE		OJAI-SANTA BARB	4:05.70	Michelle McDevitt	37
Rick Gore	54	JIM EUBANK		James Buck	23	Katherine Rink	28
Dale Barnhard	52	SAN DIEGO SWIM	2:49.27	Talia Brott	19	Joe Wotton	40
Tony MacDonald	46	Betsy Jordan	62	Liz Hawes	23	Matthew Sambora	33
Suzanne Bolton	53	Tom F Dowell	77	Bill Kuhn	34	INLAND MASTERS	4:34.68
ARIZONA MASTERS	2:39.40	Jeanne H Little	62	NEM	4:59.32	Stephanie Avant	50
Nancy MacBeth	70	Jim Eubank	84	Katie McMahon	19	Mike Murphy	39
Mark Lambert	41	GOLD	3:10.85	Mark Parquette	25	Karen Feld	32
Jim Stites	42	June Krauser	73	Kendra Garrow	25	Alvaro Farnos	25
Judy Gillies	51	Mary Alvarez	60	Michael Rydeen	29	FINS	4:37.26
CRESCENT HILL	2:40.80	Joaquin Silverio	73	DCAC	5:32.20	Joan Buehler	37
E Norman Scott	55	A De La Vega	74	Jean-David Barnea	22	David Lafontaine	38
Jon Shastid	51	MICHIGAN	3:23.81	M Schoenfeld	22	Eike Hoffmann	27
Anne Huntington	51	Lois Nochman	75	Jacquie Anderson	25	Jim Senior	36
Diane Bellafronto	52	Thomas Moyer	52	Jeff Loomis	29	VENICE-BEACH	4:37.57
200 M. MEDLEY R MIXED 240+		Elmer Frost	76	400 M. FREE REL MIXED 100+		Carole Shigaki	44
SAN DIEGO	2:25.26 98	Edith Glusac	81	SAN DIEGO	3:55.65 97	Bob R/O-Eberwine	39
BETSY JORDAN		COLONIALS 1776	3:28.14	ROBERT RODEE		Emine Sarikaya	26
MIKE FRESHLEY		Roger Franks	72	NANCY NORTH		Chappie Dehaven	30
JACKIE MARR		Norman Garsoe	76	ALISON TERRY		NEM	4:44.18
DONALD BAKER		Janet Moeller	65	ALAN VOISARD		Rebecca Kupcinskis	25
NORTH CAROLINA	2:35.03	Ruth Aaron	70	NEM	4:06.24	Gudarz Davar	43
Jeannie Mitchell	53	CONNECTICUT	3:30.88	Greg Wriede	22	S Vankuilenburg	34
Sally Newell	62	Ruth B Morrill	76			Alison Goulder	48
		Ted Simon	77			MARYLAND MASTER	4:46.32
						Jack Iliff	55

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

Julie Peterson	23	Robert Smith	56	FRED WALBOLT		OJAI-SANTA BARB	4:20.53
Emily Watts	32	OREG	4:46.04	JUNE REYNOLDS		Scott Reed	29
Bill Kvetkas	38	Sandi Rousseau	52	NO RELAYS		Wenke Hansen	30
400 M. FREE REL MIXED 160+		Jim Teisher	50	400 M. MEDLEY R MIXED 76+		Mike Shaffer	34
SAN DIEGO	3:57.64 96	Jeanne Teisher	48	DAVIS AQUATIC	4:33.44 95	Jane Cairns	29
K.PIPES-NEILSEN		Jed Cronin	51	JOHN KEPPELER		DCAC	4:30.65
BETH KNIGHT		MICHIGAN	6:14.87	TIM LYNCH		Kristen Corbett	33
LARRY CARTWRIGHT		Donald Kroeger	56	CHRISTINE SCHULTZ		M Terahigashi	32
LEE MENCH		Joyce Kowalski	57	TATE BIRNIE		Marc Legoff	36
SAN DIEGO SWIM	4:18.88	Kathy Beckley	52	NO RELAYS		Rachel Frentsos	28
Beth Knight	40	Frank Thompson	48	400 M. MEDLEY R MIXED 100+		NEM	4:35.38
Larry Cartwright	51	MARYLAND MASTER	6:20.47	NEW ENGLAND	4:25.03 99	Patty Hodge	34
Marilyn A Fink	45	Cheryl Kinney	34	ROB BERRY		Donald Jensen	39
Mark Hansen	46	Bill Conroy	56	S VANKUILENBURG		Edmund Gendreau	37
GAJA	4:37.82	Philip Kerr	64	S STRINGFELLOW		Maryellen Powers	33
Penny Noyes	45	Nancy Brown	63	MICHELE HACKMER		FINS	4:41.69
Paige Joyner	38	DCAC	6:52.45	NEM	4:25.03	Jim Jordan	34
John Zeigler	54	John Vail	51	Rob Berry	31	Jim Harper	32
Igor Vazhenin	35	Ellyn Vail	50	S Vankuilenburg	34	Joan Buehler	37
NEM	4:53.74	Patricia Vail	58	MICHELE HACKMER		Elke Hoffmann	27
Gary Ungerleider	47	Mark Hamilton	45	400 M. MEDLEY R MIXED 100+		ART	4:45.13
Peter Phildius	69	NEM	7:16.87	NEW ENGLAND	4:25.03 99	Racheal Walton	29
Debbie Levens	46	Alice Seidel	58	ROB BERRY		John Brown	34
Diana Bujewitsch	21	Charles Dufour	56	S Vankuilenburg	34	Sean Fitzgerald	36
NEM	4:55.48	Barbara Boley	75	S STRINGFELLOW	24	Rae Riley	36
Joan Geoghegan	46	Brian Anderson	43	Michelle Hackmer	23	OJAI-SANTA BARB	4:46.20
Scott Gordon	38	400 M. FREE REL MIXED 240+		FOG CITY	4:51.05	Liz Hawes	23
Celeste O'Donnell	34	SAN DIEGO	5:03.72 97	Surach Suttapone	34	Larry Rogero	36
Robert Lawton	48	BILL EARLEY		Josh Cohen	27	Aimee Hendrigan	28
SAN DIEGO SWIM	5:06.50	BETSY JORDAN		Erica Dunn	26	Bill Kuhn	34
Michael Given	35	JACKIE MARR		Elise Ravacon	24	QUAC	4:49.92
Kim Miller	44	DONALD BAKER		TNYA	4:58.06	Robynn Masters	40
Jerelyn Biehl	39	HEARTLAND MAST	6:00.60	Todd Cooper	37	Priscill Kawakami	49
Mark Spratt	44	Ron Schafer	42	Jessica Geist	24	Matt Walters	28
ART	5:06.63	Gene Sapper	70	Liv Gjestvang	24	Kyle Treadway	39
Jim Ebert	36	Marilyn Ramey	59	Perry Turcotte	34	MENLO PARK	5:02.60
Kevin Brady	45	Nancy Reed	72	COLONIALS 1776	4:58.22	Dave Kane	29
Barb Donovan	42	CONN	6:35.16	Arthur Zawodny	33	Ed Owne	28
Ann Leverette	42	Ray Thornberg	60	Laurie Hug	34	Lisa Sheeper	35
NEM	5:06.80	Ruth Morrill	76	Dan Madden	28	Juliet Applewhite	37
Bruce Lander	40	Dorothy Donnelly	78	Natalie Kubala	24	SDSM	5:05.61
J Strickland	38	Daniel Davis	57	EMPIRE STATE MA	5:05.53	Tim Brouillette	34
Terri Moyer	38	O*H*I*O MASTERS	6:41.67	Janet Harris	34	Laura Galinson	36
Warren Wise	44	Nancy Waite	65	Alex Martinez	28	Michael Given	35
DCAC	5:09.73	Marianne Brogan	64	Brian Robinson	33	Rebecca Lesher	29
Peter Beard	40	Julio Aponte	54	Emily Peters	24	OJAI-SANTA BARB	5:09.09
Barry Haddan	48	Doug Brogan	67	FOG CITY	5:10.16	David Williams	42
Jennifer Vana	32	COLONIALS 1776	6:46.04	Brian Lakamp	38	Robert Mitchell	41
Rebecca Halbe	40	Ernest Moore	72	Lori Deluca	28	Michele Bailey	36
WHITE PLAINS MA	5:11.67	Janet Moeller	65	Wendy Whelan	24	Gina Hudson	35
Noel Duguet	51	Ruth Aaron	70	Eric Geffelfinger	23	400 M. MEDLEY R MIXED 160+	
Alan Garfunkel	52	Roger Franks	72	ART	5:17.40	OLYMPIC CLUB	4:32.89 95
Karin Papes	35	400 M. FREE REL MIXED 280+		Wendy Kellner	24	FRED FERROGGIARO	
Geneve Hendricks	31	OJAI S BARBARA	5:49.30 95	Monique Gainer	35	ROBERT STRAND	
WH20	5:30.96	FRANK PIEMME		Tommy McKnight	29	LYNN JOLLY	
Linda Kleine	43	RUTH BAAR		Bradley Akerberg	30	DANIELLE OGIER	
Carmen Berger	54	GRACE ALTUS		DCAC	5:18.01	SAN DIEGO SWIM	4:47.58
Nick Gardner	34	JURGEN SCHMIDT		Greg Leo	27	Marilyn A Fink	45
Thomas Wilson	45	SAN DIEGO SWIM	6:12.70	Elizabeth Reisch	27	Caroline Krattli	37
400 M. FREE REL MIXED 200+		Ann Shenck Dallam	69	Steven Dickens	34	Alan Voisard	39
ILLINOIS	4:23.62 99	Deborah Peckham	60	Jacque Anderson	25	James Ney	41
J NATHAN LEECH		Jerry Siefert	82	FOG CITY	5:45.55	TNYA	4:58.18
CYNTHIA JONES		William Phillips	71	Becky Loguidice	23	Debra Nelson	35
C STONESIFER		SAN DIEGO SWIM	6:40.54	Jay Moore	26	Chris Packard	41
PETER ANDERSEN		Ken Kimball	69	Vivian Walsh	28	Charles Carson	45
IM	4:23.62	Edgar Lassins	79	Elizabeth Irvin	26	Laurie Cotter	44
J Nathan Leech	50	Diana Silva	77	NEM	6:09.16	GRIN	5:00.64
Cynthia Jones	49	Jackie M Marr	56	Michael Rydeen	29	Brad Roby	38
Cynthi Stonesifer	47	400 M. FREE REL MIXED 320+		Kendra Garrow	25	C Gettelfinger	42
Peter Andersen	56	ST PETE	8:18.35 97	Mike Anderson	28	Ann Schnieders	39
OREG	4:27.43	JOHN JOHNSTON		Sarah Proctor	26	Jim Fox	47
Mary Jackson	43	KAY SCHIMPF		400 M. MEDLEY R MIXED 120+		MENLO PARK	5:44.28
Tom Coffey	48			OJAI SB	4:20.53 99	Scott Marshall	38
Joy Ward	57			SCOTT REED		Rick Anderson	52
				WENKE HANSEN		Katherine Bass	48
				MIKE SHAFFER		Judith Schwartz	45
				JANE CAIRNS			

1999 SHORT-COURSE METERS - TOP-TEN RELAYS

<p>DCAC 5:48.88 Jennifer Vana 32 David Crane 44 Rebecca Halbe 40 Rob Bigelow 46</p> <p>OLD DURHAM DOL 5:51.48 Marji Thomas Will 51 Terry Crowley 28 Regin Brittingham 48 Roy Farrell 50</p> <p>WHITE PLAINS MA 6:05.16 Nancy Surdoval 46 Donald Rizzo 34 Karin Papes 35 Noel Duguet 51</p> <p>GAJA 6:21.55 Penny Noyes 45 Paige Joyner 38 John Zeigler 54 Igor Vazhenin 35</p> <p>MENLO PARK 6:40.86 Francis Reneau 40 Joan Caldwell 48 Adam Wilburn 33 Rick Peterson 52</p> <p>ART 6:58.88 Ellis Dixon 41 Jan Suchomski 35 Jeff Smith 47 Marge McSweeney 37</p> <p>400 M. MEDLEY R MIXED 200+</p> <p>TAMALPAIS 4:50.08 98 RICH BURNS GARY PAMPLIANO LAURA VAL NANCY RIDOUT</p> <p>IM 5:00.95 J Nathan Leech 50 Peter Andersen 56 Cynthi Stonesifer 47 Cynthia Jones 49</p> <p>OREG 5:01.88 Robert Smith 56 Allen Stark 50 Sarah Hoagland 37 Joy Ward 57</p> <p>MENLO PARK 5:24.47 Ginny Langmuir 47 Carl Mortensen 55 Rebecca Pinto 44 Dave Gildea 56</p> <p>DCAC 5:50.17 Ellyn Vail 50 Dale Barnhard 52 Doug Wilson 49 John Vail 51</p> <p>COLONIALS 1776 5:55.76 Henry Detering 54 Jim Kremzier 53 S Beilman 50 Nancy Puckett 50</p> <p>NEM 6:28.45 Becky Lussier 28 Elizabeth Kane 50 Daniel Rogacki 52 James Christopher 72</p> <p>MICHIGAN 6:37.32 Frank Thompson 48 Kathy Beckley 52 Donald Kroeger 56 Joyce Kowalski 57</p> <p>HEARTLAND MASTE 6:43.90 Doug Selby 54 Bruce Menzies 50 Marilyn Ramey 59 Chris Scenna 52</p>	<p>OJAI-SANTA BARB 7:33.99 Robert May 65 Leslie Ann Ogden 52 Carole Borland 56 Tom Mitchell 66</p> <p>400 M. MEDLEY R MIXED 240+</p> <p>SAN DIEGO 5:41.38 98 BETSY JORDAN MIKE FRESHLEY JACKIE MARR DON BAKER</p> <p>HEARTLAND MAST 5:52.05 Marilyn Ramey 59 Ron Schafer 42 Gene Sapper 70 Nancy Reed 72</p> <p>O*H*I*O MASTERS 7:48.11 Marianne Brogan 64 Lilly Kron 68 Julio Aponte 54 Doug Brogan 67</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>COLONIALS 1776 7:24.98 Janet Moeller 65 Norman Garsoe 76 Roger Franks 72 Ruth Aaron 70</p> <p>SAN DIEGO SWIM 7:30.68 Diana Silva 77 Tom F Dowell 77 Donald Hubbard 72 Ann Shenck Dallam 69</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>WALNUT CREEK 9:10.66 Bob Stringham 80 Jae Howell 77 Jean Durston 85 Bob Freeman 83</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>NEM 12:08.00 Katie McMahon 19 Mark Parquette 25 Jamyn Mooney 21 Michael Rydeen 29</p> <p>DCAC 12:27.66 Jeff Loomis 29 M Schoenfeld 22 Jacquie Anderson 25 Jean-David Barnea 22</p> <p>800 M. FREE REL MIXED 100+</p> <p>RUBA 8:41.15 97 SCOTT YEOMANS BRIDGET COLL</p>	<p>LOUISE APPLETON RICHARD TOOTHILL</p> <p>WH20 9:20.07 Kyle Levine 28 Kiley Ames-Klein 23 Christophr Palmer 27 Elizabet Halouzka 35</p> <p>DCAC 9:28.89 David Coray 37 Caroline Stender 22 Sara Megan Reise 24 Mike Flynn 29</p> <p>ART 10:24.63 Wendy Kellner 24 William Rencher 29 Racheal Walton 29 David Holan 31</p> <p>NEM 10:34.97 Matt Craig 29 Kendra Garrow 25 Mike Anderson 28 Kara Daly 23</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>UTAH 9:21.93 Priscill Kakakami 49 Matt Walters 28 Robynn Masters 40 Brian Ward 36</p> <p>NEM 9:35.31 Patty Hodge 34 Michael Busby 39 Edmund Gendreau 37 Maryellen Powers 33</p> <p>MICHIGAN 10:19.43 Thomas Schardt 32 Victoria Webber 25 Eric Nordlurd 36 Andrea Funk 36</p> <p>DCAC 10:23.78 Michael Pletke 35 Jennifer Vana 32 Catherine Lynch 38 Eric Czander 34</p> <p>NEM 10:32.31 Michelle McDevitt 37 Laurie Damianos 35 Joe Wotton 40 Matthew Sambora 33</p> <p>NEM 11:05.73 Bruce Lander 40 Amanda Telford 30 Terri Moyer 38 Warren Wise 44</p> <p>SPLS 11:27.97 Brad Burget 35 Mark Haker 39 Julia Applegate 29 Helen Hartnett 37</p> <p>WHITE PLAINS MA 11:39.80 Donald Rizzo 34 Geneve Hendricks 31 Karin Papes 35 Daniel Levy 34</p> <p>ART 13:05.20 Sue Hackett 31 Eric Dingler 34 Lee Golusinski 35 Marge McSweeney 37</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>LAKESIDE MASTER 9:33.86 Pam Martin 42 Amy Pope 39 Kevin Scarborough 44 Kirk Buese 39</p> <p>ART 11:35.22 Monique Gainer 35 Barb Donovan 42 Lee Dancy 43 David Eng 41</p> <p>SAN DIEGO SWIM 12:09.70 Jeni Buys 30 Paul Sporleder 47 Mark Hansen 46 Gini Baker 49</p> <p>DCAC 14:17.24 Meg Burns 30 Carol Krueger 46 Hal Smiler 40 Randall Barry 44</p> <p>800 M. FREE REL MIXED 200+</p> <p>ILLINOIS 10:05.41 99 J NATHAN LEECH CYNTHIA JONES C STONESIFER PETER ANDERSEN</p> <p>IM 10:05.41 J Nathan Leech 50 Cynthia Jones 49 Cynthi Stonesifer 47 Peter Andersen 56</p> <p>OREG 10:37.13 Pamela Himstreet 56 Robert Bruce 51 Barbara Harris 39 Tom Landis 57</p> <p>DCAC 11:57.86 Ken Beier 50 Ellyn Vail 50 John Vail 51 Dale Barnhard 52</p> <p>MICHIGAN 12:00.09 Donald Kroeger 56 Joyce Kowalski 57 Thomas Moyer 52 Beverly Myers 64</p> <p>HEARTLAND MAST 12:10.09 Ron Schafer 42 Marlee Valderhaug 58 Marilyn Ramey 59 Bruce Menzies 50</p> <p>COLONIALS 1776 12:23.60 C Schroeder 50 Mary Ann McClain 58 Edward Morgan 60 Mark Modjeska 46</p> <p>LAKESIDE MASTER 13:36.27 Bob Miller 64 John Mandrola 36 Carol Ferguson 68 Mary Graves 43</p> <p>O*H*I*O MASTERS 13:55.82 Julio Aponte 54 Marianne Brogan 64 Doug Brogan 67 Diane Rothenberg 46</p> <p>ART 14:39.58 Ann Leverette 42 Kevin Brady 45 Jeff Smith 47 Helen O'Connor 67</p>
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1999 SHORT-COURSE METERS - TOP-TEN RELAYS

NEM 15:35.17
 Alice Seidel 58
 Charles Dufour 56
 Barbara Boley 75
 David Monsees 36

800 M. FREE REL MIXED 240+

SAN DIEGO 11:16.08 97
 BETSY JORDAN
 BILL EARLEY
 KENNETH KIMBALL
 JACKIE MARR

SPM 13:44.06
 Florence Carr 74
 Harold Ferris 69
 Sandy Steer 60
 Bruce Day 49

MARYLAND MASTER 13:45.66
 Bill Conroy 56
 Philip Kerr 64
 Jill Coleman 69
 Sally Iliff 54

800 M. FREE REL MIXED 280+

ST PETE 13:32.79 95
 ALAN MALONEY
 KAY SCHIMPF
 FLORENCE CARR
 ROBERT MACDONALD

SAN DIEGO SWIM 15:26.96
 Ann Shenck Dallam 69
 Diana Silva 77
 Tom F Dowell 77
 William Phillips 71

FMM 16:44.84
 Patricia Paintner 72
 Don Smith 69
 Ruth Hoskinson 70
 Alan Maloney 70

800 M. FREE REL MIXED 320+

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

ERRATA FOR 1999 TOP-TEN LONG-COURSE METERS

WOMEN 45-49

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1500 M. FREESTYLE

20:43.65	Danielle Ogier	47
21:34.59	Karlene Wise	46
21:52.65	M Windrath	46
21:55.06	N Steadman-Martin	45
22:28.65	R Brittingham	47
22:30.75	Cynthia Jones	49
23:14.18	Pam Geiger	47
24:04.12	Judy Strauss	45
24:24.87	Lisa Watson	45
24:55.19	Linda Kaiser	48

WOMEN 70-74

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1500 M. FREESTYLE

25:48.53	June Krauser	73
29:15.00	Betty Russ	72
30:14.56	Edie Gruender	70
31:16.42	Eleanor Wessner	73
32:24.49	Anita L Hazen	71
32:56.98	Florence Carr	74
33:52.03	Joan McIntyre	70
34:38.32	Peggy Sanborn	72
35:50.99	Marian Wolle	71
36:48.10	Ruth Hoskinson	70

MEN 30-34

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100 M. BUTTERFLY

56.93	Michael Sorensen	31
58.41	Tyler Jourdonnais	34
59.19	Jeffrey Roddin	30
1:00.88	Stuart Barton	31
1:01.19	Bill Zolna	30
1:02.63	Michael Bandow	31
1:03.07	Andrew Edmonson	32
1:03.11	Kurt Becker	33
1:03.24	James Jordan	34
1:03.40	Dave Holland	32

MEN 50-54

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50 M. BACKSTROKE

31.80	Tim A Birnie	53
32.72	Steve Heck	50
32.78	Nathan Leech	50
33.54	Homer Lane	50
33.80	Frank Warner	50
33.83	Bob Kolonkowski	51
34.03	Richard Kittel	51
34.21	John Enterline	52
35.46	Michael L Ahern	54
35.58	Donald Galine	54

FINA MASTERS WORLD RECORDS LONG-COURSE METERS

(as of 11-1-99)

		WRL LCM RECORDS		AS OF 11-01-99			
***** M E N *****		*****		25-29		***** W O M E N *****	
22.59	08-28-83	USA	KEVIN DEFORREST	50	M. FREE	ALISON SHEPPARD	GBR 05-31-98 26.20
51.25	08-14-81	USA	JIM MONTGOMERY	100	M. FREE	ALISON SHEPPARD	GBR 05-30-98 58.22
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	KAORU ONO	JPN 09-27-98 30.73
57.45	04-13-97	NZL	JON WINTER	100	M. BACK	ALISON SHEPPARD	GBR 05-29-98 1:05.02
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	MANUELA NAECKEL	GER 06-25-99 1:13.15
2:24.57	10-31-98	ECU	ABRAHAM SOLANO	200	M. BRST	SHARRON DAVIES	GBR - -90 2:42.02
24.88	03-29-98	NZL	JON WINTER	50	M. FLY	MARJA PARSSINEN	FIN 10-26-97 28.09
56.34	04-28-84	USA	MICHAEL BOTTOM	100	M. FLY	ROSEMARIE SEAMAN	USA - -87 1:03.91
2:05.25	- -84	TCH	M LUKASEK	200	M. FLY	S PALMER-WHITE	AUS - -92 2:18.69
				100	M. I.M.		
2:07.00	07-09-94	FRA	NICOLAS GRANGER	200	M. I.M.	SHARRON DAVIES	GBR - -90 2:22.00
4:31.47	07-09-94	FRA	NICOLAS GRANGER	400	M. I.M.	SHARRON DAVIES	GBR - -90 5:05.29
***** M E N *****		*****		30-34		***** W O M E N *****	
23.21	11-24-90	USA	ROWDY GAINES	50	M. FREE	S NEILSON-BELL	USA 08-28-88 26.37
51.50	07-14-91	USA	ROWDY GAINES	100	M. FREE	S NEILSON-BELL	USA 10-15-88 58.09
1:54.04	07-13-90	USA	ROWDY GAINES	200	M. FREE	BETH KNIGHT	USA 08-20-89 2:07.84
4:07.04	11-14-93	USA	ROWDY GAINES	400	M. FREE	K PIPES-NEILSEN	USA 08-11-96 4:28.76
8:40.19	11-14-93	USA	ROWDY GAINES	800	M. FREE	LYNN MARSHALL	CAN 07-05-92 9:16.82
16:36.06	08-22-93	USA	BOBBY PATTEN	1500	M. FREE	KAREN BURTON	USA 05-19-96 17:38.70
27.26	07-09-94	USA	SEAN MURPHY	50	M. BACK	D GRANER GALLAS	USA 06-26-96 30.94
58.66	07-09-94	USA	SEAN MURPHY	100	M. BACK	D GRANER GALLAS	USA 06-27-96 1:05.42
2:05.62	07-09-94	USA	SEAN MURPHY	200	M. BACK	K PIPES-NEILSEN	USA 08-11-96 2:18.98
29.42	07-05-92	USA	DAVID GUTHRIE	50	M. BRST	WENKE HANSEN	USA 08-23-99 33.84
1:05.02	08-26-99	GBR	NICK GILLINGHAM	100	M. BRST	MARGARET HOHMANN	GBR - -88 1:14.52
2:20.43	08-25-99	GBR	NICK GILLINGHAM	200	M. BRST	WENKE HANSEN	USA 08-23-99 2:41.51
25.31	10-15-88	USA	MIKE BOTTOM	50	M. FLY	TRACIE MOLL	USA 08-18-97 29.07
56.64	10-15-88	USA	MIKE BOTTOM	100	M. FLY	PASCAL VERBAUWEN	BEL 06-25-96 1:04.80
2:03.85	08-04-95	USA	BOBBY PATTEN	200	M. FLY	K PIPES-NEILSEN	USA 08-11-96 2:20.12
				100	M. I.M.		
2:09.69	08-18-91	USA	DAVID LUNDBURG	200	M. I.M.	KARLYN PIPES	USA 05-26-96 2:25.68
4:40.22	07-09-94	USA	SEAN MURPHY	400	M. I.M.	HIDEKA KOSHIMIZU	JPN 10-22-95 5:05.05
***** M E N *****		*****		35-39		***** W O M E N *****	
23.20	07-17-94	JPN	ROWDY GAINES	50	M. FREE	TRACIE MOLL	USA 08-23-99 26.66
51.49	07-16-95	USA	ROWDY GAINES	100	M. FREE	TRACIE MOLL	USA 08-23-98 58.38
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	PENNY BOND	AUS 04-11-98 17:55.34
27.60	08-01-99	USA	J CLAY BRITT	50	M. BACK	K PIPES-NEILSEN	USA 05-22-99 31.43
1:00.13	08-01-99	USA	J CLAY BRITT	100	M. BACK	K PIPES-NEILSEN	USA 08-09-98 1:06.29
2:13.83	07-29-90	USA	TOM WOLF	200	M. BACK	K PIPES-NEILSEN	USA 08-10-97 2:18.20
29.09	08-23-98	USA	WALLY DICKS	50	M. BRST	L WETZEL-OSBORNE	USA 08-20-89 34.41
1:05.03	08-23-98	USA	WALLY DICKS	100	M. BRST	CAROLINE KRATTLI	USA 08-23-99 1:17.11
2:24.37	08-04-95	USA	DAVID GUTHRIE	200	M. BRST	CAROLINE KRATTLI	USA 08-23-99 2:47.55
25.89	08-23-99	USA	THOMAS REDIG	50	M. FLY	TRACIE MOLL	USA 08-23-99 28.32
56.60	06-25-96	USA	JEFF STUART	100	M. FLY	TRACIE MOLL	USA 08-23-99 1:03.79
2:06.74	06-26-96	USA	JEFF STUART	200	M. FLY	K PIPES-NEILSEN	USA 08-10-97 2:20.21
				100	M. I.M.		
2:14.94	06-19-98	POL	DARIUSZ WOLNY	200	M. I.M.	K PIPES-NEILSEN	USA 06-29-97 2:25.31
4:46.79	06-21-98	POL	DARIUSZ WOLNY	400	M. I.M.	K PIPES-NEILSEN	USA 06-29-97 5:07.21
***** M E N *****		*****		40-44		***** W O M E N *****	
24.25	07-20-98	JPN	BRENT BARNES	50	M. FREE	S NEILSON-BELL	USA 08-25-96 27.39
53.78	08-23-98	USA	JACK GROSELLE	100	M. FREE	S NEILSON-BELL	USA 08-25-96 1:00.63
2:01.07	08-23-99	USA	JOSEPH RHYNE	200	M. FREE	S HEIM-BOWEN	USA 08-23-99 2:14.14
4:15.86	08-23-99	USA	JOSEPH RHYNE	400	M. FREE	S HEIM-BOWEN	USA 08-23-99 4:39.82
8:48.69	08-23-99	USA	JOSEPH RHYNE	800	M. FREE	S HEIM-BOWEN	USA 08-23-99 9:32.18
16:58.52	07-30-95	USA	HESS YNTEMA	1500	M. FREE	S HEIM-BOWEN	USA 08-23-98 18:14.34
28.69	08-23-99	USA	PETER ROCCA	50	M. BACK	LAURA VAL	USA 05-29-94 32.25
1:02.48	08-23-98	USA	WILLIAM SPECHT	100	M. BACK	LAURA VAL	USA 08-23-92 1:11.03
2:15.49	08-23-99	USA	WILLIAM SPECHT	200	M. BACK	ZENA COURTNEY	USA 08-01-99 2:34.18
30.56	06-22-98	SWE	GLEN CHRISTIANSEN	50	M. BRST	DAGMAR HILBIG	GER 08-28-99 35.05
1:08.97	08-23-98	USA	RON SCHAFFER	100	M. BRST	DAGMAR HILBIG	GER 08-26-99 1:17.21
2:29.77	08-23-98	USA	RON SCHAFFER	200	M. BRST	DAGMAR HILBIG	GER 08-25-99 2:49.95
26.33	08-23-98	USA	WILLIAM SPECHT	50	M. FLY	LAURA VAL	USA 07-09-94 29.89
57.79	08-23-99	USA	WILLIAM SPECHT	100	M. FLY	LAURA VAL	USA 08-23-92 1:06.27
2:09.47	08-23-98	USA	WILLIAM SPECHT	200	M. FLY	S HEIM-BOWEN	USA 08-23-99 2:32.14
				100	M. I.M.		
2:15.53	08-14-98	USA	JAMES SORENSEN	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 11-1-99)

***** M E N *****			45-49			***** W O M E N *****			
24.94	08-23-99	USA	JACK GROSELLE	50 M.	FREE	JACKI HIRSTY	USA	08-23-98	28.30
53.90	08-23-99	USA	JACK GROSELLE	100 M.	FREE	LAURA VAL	USA	05-20-96	1:02.42
2:01.54	08-23-99	USA	JACK GROSELLE	200 M.	FREE	LAURA VAL	USA	08-23-98	2:17.12
4:21.16	08-23-99	USA	JIM MCCONICA	400 M.	FREE	LAURA VAL	USA	08-10-97	4:56.06
8:58.84	08-23-99	USA	JIM MCCONICA	800 M.	FREE	LAURA VAL	USA	06-13-98	10:08.23
17:31.23	08-23-98	USA	TODD BRYAN	1500 M.	FREE	LAURA VAL	USA	07-26-98	19:26.97
29.85	08-23-99	USA	TOM WOLF	50 M.	BACK	LAURA VAL	USA	07-27-97	32.93
1:03.72	08-23-99	USA	TOM WOLF	100 M.	BACK	LAURA VAL	USA	07-27-97	1:12.70
2:21.66	08-23-99	USA	TOM WOLF	200 M.	BACK	CECILIA MCCLOSKEY	USA	08-27-95	2:42.60
31.54	08-23-98	USA	C MILTENBERGER	50 M.	BRST	SUSAN ROY	USA	05-29-94	36.97
1:12.29	08-23-99	USA	JACK GROSELLE	100 M.	BRST	SUSAN ROY	USA	05-29-94	1:22.27
2:41.02	07-09-94	GER	GERHARD PREINER	200 M.	BRST	ULRIKE URBANIAK	GER	04-25-98	2:57.38
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	08-23-98	1:08.02
2:21.84	06-27-96	USA	BOO GRANER GALLAS	200 M.	FLY	LAURA VAL	USA	08-23-98	2:31.37
				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
5:09.11	06-21-98	GBR	EDDIE RIACH	400 M.	I.M.	DANIELLE OGIER	USA	06-29-97	5:45.85
***** M E N *****			50-54			***** W O M E N *****			
24.60	08-23-98	USA	RICHARD ABRAHAMS	50 M.	FREE	ARDETH MUELLER	USA	08-22-93	29.33
56.98	08-23-98	USA	RICHARD ABRAHAMS	100 M.	FREE	CAROL FELLOWS	GBR	04-27-96	1:07.34
2:07.17	08-23-98	USA	FRED SCHLICHER	200 M.	FREE	BARBARA DUNBAR	USA	08-08-99	2:28.11
4:32.51	08-23-98	USA	R TOD SPIEKER	400 M.	FREE	BARBARA DUNBAR	USA	08-08-99	5:11.22
9:27.52	08-23-98	USA	R TOD SPIEKER	800 M.	FREE	DIANNE FOSTER	CAN	03-01-98	10:36.52
18:04.63	07-26-98	USA	R TOD SPIEKER	1500 M.	FREE	BARBARA DUNBAR	USA	07-18-99	20:22.69
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
2:27.01	06-22-98	USA	R TOD SPIEKER	200 M.	BACK	SATOKO TAKEUJI	JPN	09-15-92	2:51.11
32.16	08-23-98	USA	ROBERT STRAND	50 M.	BRST	JAN MACLEOD	AUS	05-03-97	38.04
1:11.90	08-23-98	USA	ROBERT STRAND	100 M.	BRST	SHIRLEY TURNER	RSA	04-03-98	1:28.05
2:40.57	05-19-96	USA	ROBERT STRAND	200 M.	BRST	CHRISTIANE HEEREN	GER	07-10-99	3:08.74
27.13	08-23-98	USA	RICHARD ABRAHAMS	50 M.	FLY	ARDETH MUELLER	USA	08-22-93	31.69
1:02.25	08-23-98	USA	RICHARD ABRAHAMS	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	BARBARA DUNBAR	USA	08-08-99	2:44.93
				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.	BARBARA DUNBAR	USA	08-08-99	6:03.12
***** M E N *****			55-59			***** W O M E N *****			
26.33	06-24-98	USA	STEVE CLARK	50 M.	FREE	ARDETH MUELLER	USA	08-10-97	30.83
58.41	06-19-98	USA	TIMOTHY GARTON	100 M.	FREE	YOSHIKO OSAKI	JPN	07-18-93	1:11.01
2:15.35	08-14-98	USA	KEEFE LODWIG	200 M.	FREE	ARDETH MUELLER	USA	07-19-97	2:34.88
4:50.41	04-25-98	GBR	SANDY GALLETTY	400 M.	FREE	ARDETH MUELLER	USA	07-19-97	5:25.59
10:03.22	06-25-98	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
31.52	07-26-98	USA	ROBERT SMITH	50 M.	BACK	SATOKO TAKEUJI	JPN	06-23-98	36.08
1:10.53	08-23-99	USA	RICHARD BURNS	100 M.	BACK	SATOKO TAKEUJI	JPN	07-21-97	1:19.65
2:37.14	08-23-99	USA	RICHARD BURNS	200 M.	BACK	SATOKO TAKEUJI	JPN	07-21-97	2:56.13
33.03	07-18-93	JPN	HIROSHI KOTEGAWA	50 M.	BRST	MONIKA SENFTLEBEN	GER	01-10-98	39.43
1:17.87	08-28-88	USA	JOHN KORTHEUER	100 M.	BRST	BONNIE PRONK	CAN	08-23-99	1:29.11
2:50.44	06-29-97	USA	WILLIAM GONZALEZ	200 M.	BRST	HANNELORE ROESE	GER	04-25-98	3:14.40
28.22	08-13-98	USA	KEEFE LODWIG	50 M.	FLY	JUDY WILSON	GBR	08-27-99	33.39
1:06.31	06-27-99	GER	BERND SCHRODER	100 M.	FLY	JUDY WILSON	GBR	08-19-99	1:18.11
2:33.48	08-23-98	USA	ROBERT POILETMAN	200 M.	FLY	HANNELORE ROESE	GER	06-24-98	3:14.39
				100 M.	I.M.				
2:32.96	06-19-98	USA	TIMOTHY GARTON	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 *****			
26.70	08-10-98	USA	JEFF FARRELL	50 M.	FREE	YOSHIKO OSAKI	JPN	07-20-99	32.97
1:00.11	08-11-98	USA	JEFF FARRELL	100 M.	FREE	YOSHIKO OSAKI	JPN	07-20-98	1:14.12
2:20.54	08-14-98	USA	JEFF FARRELL	200 M.	FREE	YOSHIKO OSAKI	JPN	07-20-99	2:40.63
5:04.45	08-23-99	USA	DRURY GALLAGHER	400 M.	FREE	YOSHIKO OSAKI	JPN	07-20-98	5:46.79
10:29.40	08-23-99	USA	DRURY GALLAGHER	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	MARGARET WILDING	GBR	04-18-99	37.39
1:14.53	03-28-99	NZL	BARRY YOUNG	100 M.	BACK	MARGARET WILDING	GBR	04-17-99	1:24.24
2:42.56	03-27-99	NZL	BARRY YOUNG	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	08-23-98	41.43
1:19.82	08-23-99	USA	DRURY GALLAGHER	100 M.	BRST	JOANN LEILICH	USA	08-01-99	1:32.37
2:58.37	06-23-96	GBR	THOMAS WALKER	200 M.	BRST	JOANN LEILICH	USA	07-25-99	3:23.62
30.35	07-30-95	USA	BOB BAILIE	50 M.	FLY	YOSHIKO OSAKI	JPN	09-27-98	37.39
1:14.25	08-14-98	USA	BERT PETERSEN	100 M.	FLY	YOSHIKO OSAKI	JPN	06-22-98	1:28.65
2:53.53	07-25-99	USA	DRURY GALLAGHER	200 M.	FLY	FLORA CONNOLLY	GBR	06-05-94	3:26.76
				100 M.	I.M.				
2:41.71	07-25-99	USA	DRURY GALLAGHER	200 M.	I.M.	YOSHIKO OSAKI	JPN	10-04-98	3:05.96
6:02.79	08-23-99	USA	DRURY GALLAGHER	400 M.	I.M.	YOSHIKO OSAKI	JPN	11-08-98	6:50.29

FINA MASTERS WORLD RECORDS LONG-COURSE METERS

(as of 11-1-99)

***** M E N *****			***** 65-69 *****			***** W O M E N *****			
28.04	08-21-98	USA	RONALD JOHNSON	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	LAVELLE STOINOFF	USA	08-23-98	5:54.90
10:29.26	06-29-97	USA	GRAHAM JOHNSTON	800	M. FREE	LAVELLE STOINOFF	USA	08-23-98	12:23.32
20:16.54	08-25-96	USA	GRAHAM JOHNSTON	1500	M. FREE	LAVELLE STOINOFF	USA	07-26-98	23:42.01
33.54	08-23-99	USA	YOSHI OYAKAWA	50	M. BACK	CLARA WALKER	USA	08-23-92	39.85
1:16.78	08-23-99	USA	YOSHI OYAKAWA	100	M. BACK	DORIS STEADMAN	USA	08-20-90	1:31.58
2:51.19	02-28-98	JPN	S SEKIKAWA	200	M. BACK	LAVELLE STOINOFF	USA	08-23-98	3:16.02
36.42	08-23-98	USA	MANUEL SANGUILY	50	M. BRST	EDITH BOEHM	GER	07-09-94	43.42
1:24.16	08-23-98	USA	MANUEL SANGUILY	100	M. BRST	FLORA CONNOLLY	GBR	04-25-99	1:39.37
3:10.23	08-02-98	USA	RONALD JOHNSON	200	M. BRST	FLORA CONNOLLY	GBR	05-31-98	3:30.95
30.81	08-13-98	USA	RONALD JOHNSON	50	M. FLY	GAIL ROPER	USA	07-28-96	39.18
1:15.69	09-08-99	MEX	RONALD JOHNSON	100	M. FLY	GAIL ROPER	USA	07-28-96	1:36.68
3:08.79	07-12-91	USA	JOSEPH KURTZMAN	200	M. FLY	FLORA CONNOLLY	GBR	05-29-98	3:33.04
				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.	FLORA CONNOLLY	GBR	05-30-98	7:06.75
***** M E N *****			***** 70-74 *****			***** W O M E N *****			
29.35	08-26-84	USA	KELLEY LEMMON	50	M. FREE	GAIL ROPER	USA	08-23-99	35.28
1:10.16	08-13-95	USA	FRANK PIEMME	100	M. FREE	GAIL ROPER	USA	08-23-99	1:19.94
2:37.00	06-23-98	USA	WILLIAM PHILLIPS	200	M. FREE	GAIL ROPER	USA	08-23-99	3:01.28
5:40.41	06-20-98	USA	WILLIAM PHILLIPS	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
22:59.14	06-28-98	USA	ROGER FRANKS	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	EDITH BOEHM	GER	08-28-99	44.30
1:31.05	08-25-96	GER	ROBERT PFERSDORFT	100	M. BRST	EDITH BOEHM	GER	05-22-99	1:43.86
3:26.27	06-23-96	GER	KARL-HEINZ KNOPS	200	M. BRST	GAIL ROPER	USA	08-08-99	3:53.55
33.79	06-22-96	USA	FRANK PIEMME	50	M. FLY	GAIL ROPER	USA	08-23-99	41.45
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.	GAIL ROPER	USA	08-08-99	3:32.94
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 *****			
32.07	07-20-98	JPN	KEIJIRO NAKAMURA	50	M. FREE	J DRAKE-BROCKMAN	AUS	04-06-96	38.22
1:13.84	05-28-95	USA	RAY TAFT	100	M. FREE	J DRAKE-BROCKMAN	AUS	06-23-96	1:30.42
2:51.62	05-28-95	USA	RAY TAFT	200	M. FREE	MARGERY MEYER	USA	06-29-97	3:19.07
6:17.36	07-14-96	JPN	DOMEI SUZUKI	400	M. FREE	MARGERY MEYER	USA	06-20-98	7:16.82
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	MARGERY MEYER	USA	07-26-98	28:38.34
37.51	07-20-98	JPN	KEIJIRO NAKAMURA	50	M. BACK	DORIS STEADMAN	USA	08-23-99	44.43
1:26.00	07-20-98	JPN	KEIJIRO NAKAMURA	100	M. BACK	DORIS STEADMAN	USA	08-23-99	1:39.06
3:10.64	09-27-98	JPN	KEIJIRO NAKAMURA	200	M. BACK	DORIS STEADMAN	USA	08-23-99	3:39.41
41.78	03-13-99	GER	ROBERT PFERSDORFF	50	M. BRST	SATOKO SUZUKI	JPN	07-20-99	50.65
1:35.70	06-25-99	GER	ROBERT PFERSDORFF	100	M. BRST	SATOKO SUZUKI	JPN	07-20-99	1:52.54
3:34.86	07-09-94	ITA	AUGUSTO ROMANO	200	M. BRST	REGAN KENNER	USA	08-23-98	4:18.18
37.57	07-31-94	USA	RAY TAFT	50	M. FLY	LOIS KIVI NOCHMAN	USA	08-23-99	47.86
1:37.03	06-27-99	GER	ROBERT PFERSDORFF	100	M. FLY	LOIS KIVI NOCHMAN	USA	08-23-99	1:56.92
3:43.56	07-05-92	USA	ANTON CERER	200	M. FLY	LOIS KIVI NOCHMAN	USA	08-23-99	4:19.81
				100	M. I.M.				
3:24.38	11-13-94	USA	RAY TAFT	200	M. I.M.	LOIS KIVI NOCHMAN	USA	08-23-99	4:08.03
7:21.75	05-28-95	USA	RAY TAFT	400	M. I.M.	LOIS KIVI NOCHMAN	USA	08-23-99	8:59.25
***** 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	RITA SIMONTON	USA	08-08-99	7:53.37
13:50.05	07-09-94	CAN	NORBERT ARTUS	800	M. FREE	RITA SIMONTON	USA	08-15-98	16:05.85
26:52.93	07-25-99	USA	RAY TAFT	1500	M. FREE	RITA SIMONTON	USA	07-10-99	30:41.01
40.71	09-27-98	JPN	SHOICHI SAKOMOTO	50	M. BACK	MYRTLE WRIGHT	AUS	- -89	53.73
1:35.36	08-23-99	USA	RAY TAFT	100	M. BACK	EDITH THEIN	ISR	08-23-98	2:00.39
3:31.36	08-23-99	USA	RAY TAFT	200	M. BACK	EDITH THEIN	ISR	08-23-98	4:12.86
43.62	07-20-98	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
3:42.04	06-12-99	USA	RAY TAFT	200	M. BRST	MICHIKO HAMURO	JPN	07-20-99	4:59.02
41.89	07-11-99	USA	ANDREW HOLDEN	50	M. FLY	MARIA LENK	BRA	04-23-95	1:01.41
1:47.88	06-12-99	USA	ANDREW HOLDEN	100	M. FLY	JEAN DURSTON	USA	07-31-94	2:27.91
4:11.09	07-19-98	USA	ANTON CERER	200	M. FLY	JEAN DURSTON	USA	07-31-94	5:24.52
				100	M. I.M.				
3:43.82	07-11-98	USA	ALDO DA ROSA	200	M. I.M.	MARIA LENK ZIGLER	USA	08-27-95	4:41.09
8:05.14	08-23-99	USA	RAY TAFT	400	M. I.M.	MAXINE MERLINO	USA	08-23-92	10:05.13

FINA MASTERS WORLD RECORDS LONG-COURSE METERS

(as of 11-1-99)

***** M E N *****		***** 85-89 *****		***** W O M E N *****	
35.77	08-10-98	USA	WOODROW BOWERSOCK	50 M. FREE	UME WADA JPN 06-09-96 49.84
1:32.81	08-08-99	USA	WOODROW BOWERSOCK	100 M. FREE	UME WADA JPN 07-21-97 2:00.66
3:34.20	07-20-99	JPN	TOKUSHI KOMEDA	200 M. FREE	UME WADA JPN 12-01-96 4:26.52
7:44.04	07-20-99	JPN	TOKUSHI KOMEDA	400 M. FREE	UME WADA JPN 06-08-97 9:31.21
17:11.21	10-15-88	USA	GUS LANGNER	800 M. FREE	JEAN DURSTON USA 06-12-99 19:12.10
33:08.42	08-20-89	USA	GUS LANGNER	1500 M. FREE	JEAN DURSTON USA 08-23-99 36:42.65
47.70	10-25-97	GER	R REINSTADTLER	50 M. BACK	AILEEN SOULE USA 08-18-91 58.42
1:51.83	06-26-99	GER	CARL SCHERER	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	DOROTHY WESTON GBR 04-19-98 2:34.97
4:36.86	07-28-96	USA	HAROLD PERRY	200 M. BRST	EMMI PAULI GER 03-29-98 5:36.62
57.93	08-27-95	USA	JESSE COON	50 M. FLY	JEAN DURSTON USA 07-25-99 1:11.58
2:10.28	08-08-99	USA	WALTER PFEIFFER	100 M. FLY	JEAN DURSTON USA 08-23-99 2:40.11
5:06.00	08-08-99	USA	WALTER PFEIFFER	200 M. FLY	JEAN DURSTON USA 08-23-99 5:49.75
				100 M. I.M.	
4:40.15	05-07-93	AUS	FRANK GRIFFITHS	200 M. I.M.	JEAN DURSTON USA 07-25-99 5:16.68
9:42.77	08-08-99	USA	WALTER PFEIFFER	400 M. I.M.	JEAN DURSTON USA 07-25-99 11:10.37
***** 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	JULIA DOLCE USA 08-23-99 5:19.36
9:40.04	03-27-97	AUS	ALFREDO CHERCHI	400 M. FREE	JULIA DOLCE USA 08-23-99 11:44.11
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	JULIA DOLCE USA 08-23-99 50:26.55
1:02.91	07-20-99	JPN	NORI YAMAMOTO	50 M. BACK	AILEEN SOULE USA 08-25-96 1:03.49
2:30.11	07-26-98	USA	JIM PENFIELD	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
1:08.90	06-05-99	GER	HANS PAUL	50 M. BRST	M GOTTSCHALK GER 08-28-99 1:26.57
2:39.02	08-28-98	GER	HANS PAUL	100 M. BRST	M GOTTSCHALK GER 06-25-99 3:21.95
6:24.54	08-01-93	USA	GUS LANGNER	200 M. BRST	DEL ROWLEY AUS 10-22-95 10:39.50
1:26.07	07-26-98	USA	JIM PENFIELD	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 *****	
55.88	08-02-98	USA	GUS LANGNER	50 M. FREE	MARY M ANDERSON CAN 05-16-98 1:55.57
2:29.32	08-23-98	USA	GUS LANGNER	100 M. FREE	MARY M ANDERSON CAN 05-17-98 4:06.70
5:13.23	08-23-98	USA	GUS LANGNER	200 M. FREE	
11:30.53	08-23-98	USA	GUS LANGNER	400 M. FREE	
22:28.28	08-23-98	USA	GUS LANGNER	800 M. FREE	
47:30.40	08-23-99	USA	GUS LANGNER	1500 M. FREE	
1:56.25	08-02-98	USA	GUS LANGNER	50 M. BACK	MARY M ANDERSON CAN 05-18-98 1:57.79
				100 M. BACK	MARY M ANDERSON CAN 05-17-98 4:16.79
				200 M. BACK	
1:26.61	08-23-98	USA	GUS LANGNER	50 M. BRST	
3:38.45	08-02-98	USA	GUS LANGNER	100 M. BRST	
7:37.17	08-02-98	USA	GUS LANGNER	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 11-1-99)

WRL LCM RECORDS AS OF 11-01-99

***** 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 GOLD-USA	08-23-98	2:04.19
MONICA BURK	BRIGITTE HEUER		MARY GARDNER	SUSIE GEYER	
L. MORRISON-CASEY	JACKI HIRSTY		TRACIE MOLL	JAMIE HERRINGTON	
160-199 SAN DIEGO-USA	07-18-99	1:57.34	160-199 SAN DIEGO-USA	07-18-99	2:12.15
BETH KNIGHT	CAROLINE KRATTLI		CAROLINE KRATTLI	K PIPES-NEILSEN	
BARBARA DUNBAR	K PIPES-NEILSEN		BARBARA DUNBAR	BETH KNIGHT	
200-239 ILLINOIS-USA	08-23-99	2:08.35	200-239 SAN DIEGO-USA	05-31-98	2:23.07
C STONESIFER	CATHERINE QUILL		BETSY JORDAN	CAROLINE KRATTLI	
IRENE DAVID	CYNTHIA JONES		BARBARA DUNBAR	JACKIE MARR	
240-279 DC MASTERS-USA	08-23-98	2:18.70	240-279 DC MASTERS-USA	08-23-98	2:37.68
BARBARA FRID	JOANN LEILICH		BARBARA FRID	JOANN LEILICH	
BARBARA ZAREMSKI	JAYNE BRUNER		JAYNE BRUNER	BARBARA ZAREMSKI	
280-319 NEW ENGLAND-USA	08-11-96	2:38.52	280-319 KAWASAKI-JPN	07-20-98	3:19.17
CLARA WLAKER	BILLIE BURRILL		MIDORI KINJO	AKIKO HATTORI	
PETEY SMITH	DIANE REED		KIYOKO KOZU	MIEKO KAMOSHITA	
320-359 WALNUT CRK-USA	08-13-98	3:49.73	320-359 WALNUT CRK-USA	08-10-98	4:19.11
SALLY JOY	JAE HOWELL		SALLY JOY	JAE HOWELL	
JEAN DURSTON	MARY JANE REEVE		JEAN DURSTON	MARY JANE REEVE	

***** 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 GYNTHNER	
JAANE VIRTANEN	TOMMY RUNDGREN		ANKER BRODERSEN	ANGUS WADDELL	
120-159 LONE STAR-USA	07-16-86	1:37.43	120-159 RED FISH-SUI	07-09-94	1:48.75
DAVID HAGUE	JAMES MONTGOMERY		PATRICK FERLAND	ETIENNE DAGON	
TRIP HEDRICK	BUCK SMITH		THEOPHILE DAVID	STEFAN VOLERY	
160-199 HOLMES - USA	08-11-90	1:39.27	160-199 BADGER/DOLP-USA	08-23-99	1:50.88
JAMES LILLEY	C. MILTENBERGER		CURT LACOUNT	DAVID HOLLAND	
RICHARD ABRAHAMS	TIMOTHY GARTON		THOMAS REDIG	JAMES SORENSEN	
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 BUDAPEST-HUN	08-28-99	2:14.31
RICHARD BASSI	JAMES KRUEGER		JOZSEF CSIKANY	BELA FABIAN	
BILL VAN HORN	PHILLIP CHAPMAN		LASZLO CSABA	FERENC LATIN	
280-319 SHUEI-JPN	09-15-92	2:10.18	280-319 MAVERICK - USA	08-18-97	2:33.50
SHUICHI MURAYAMA	JUZU TSUBOTA		PAUL HUTINGER	ROBERT MACDONALD	
ISAMU TAMURA	KEIJIRO NAKAMURA		JOSEPH KURTZMAN	ALAN MALONEY	
320-359 JUEI CLUB-JPN	07-20-99	2:34.38	320-359 OREGON-USA	07-11-99	3:05.43
KATSUZO SHIRAYAMA	ISAMU TAMURA		EARL WALTER	GERALD HUESTIS	
SETSUO FUKUHARA	KISABURO WADA		ANDREW HOLDEN	ALLAN DELAY	

***** RELAY 200 M. FREE - MIXED *****			***** RELAY 200 M. MEDLEY - MIXED *****		
100-119 MICHIGAN-USA	08-25-96	1:44.84	100-119 HOLMES - USA	08-28-88	1:56.58
DYNE BURRILL	SUSIE DEVLIN		BETH MAUER	BRUCE HOWELL	
TODD MERCER	MICHAEL GREEN		SAM SEIPLE	MARY HOLMES	
120-159 GOLD - USA	08-23-98	1:42.65	120-159 GOLD-USA	08-23-98	1:57.30
TODD PACE	TRACIE MOLL		CRAIG CRAWFORD	SETH VAN NEERDEN	
JAMIE HERRINGTON	KURT WIENANTS		TRACIE MOLL	JAMIE HERRINGTON	
160-199 ROCKY MT.-USA	08-23-98	1:45.83	160-199 TTEX-USA	08-23-98	2:01.22
KATHY GARNIER	LAUREEN WELTING		SHARON WENCEL	DAVID GUTHRIE	
RICHARD ABRAHAMS	JAMES LILLEY		BRUCE WENCEL	S NEILSON-BELL	
200-239 LOS ALTOS - USA	07-09-94	1:55.50	200-239 TAM - USA	08-23-98	2:08.56
EDWARD CAZALET	LAURA VAL		RICHARD BURNS	KENNETH FROST	
ARLENE PROEBSTING	ROBERT PROEBSTING		LAURA VAL	NANCY RIDOUT	
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 SOLK HELLAS-SWE	06-23-98	2:27.21	280-319 SOLK HELLAS-SWE	- 98	2:53.27
BRITT GRILLI	NILS FERM		NILS FERM	BRITT GRILLI	
PETER BERGENGREN	KERSTIN GJORES		PETER BERGENGREN	KERSTIN GJORES	
320-359 DC MASTERS-USA	08-01-93	3:03.15	320-359 NISHINOMIYA-JPN	07-20-99	3:31.54
NANCY CLARK	ANNE WALKER		HIDEKO HANADA	HIROMU YOSHIMOTO	
KELLEY LEMMON	DAVID MCAFFEE		TAKESHI YASUKAWA	HATSUHO SUGAYA	

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS

(as of 11-1-99)

***** 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	LAURA VAL	USA 10-18-98 4:49.52
8:56.08	10-13-96	USA	TIM BRODERICK	800 M. FREE	LAURA VAL	USA 10-10-98 9:56.23
17:24.70	12-14-97	USA	JIM MCCONICA	1500 M. FREE	LAURA VAL	USA 10-10-98 18:55.82
29.30	05-17-99	CAN	JOHN MARCH	50 M. BACK	LAURA VAL	USA 10-13-96 32.39
1:03.81	05-17-99	CAN	JOHN MARCH	100 M. BACK	LAURA VAL	USA 10-13-96 1:10.76
2:18.98	05-02-98	GBR	EDDIE RIACH	200 M. BACK	NANCY FISHER	USA 02-18-96 2:37.35
31.83	10-15-95	USA	ROBERT STRAND	50 M. BRST	BEA POOL	NED 02-12-94 37.54
1:09.44	12-10-95	USA	ROBERT STRAND	100 M. BRST	ULRIKE URBANIAK	GER 02-07-98 1:21.88
2:34.41	12-10-95	USA	ROBERT STRAND	200 M. BRST	ULRIKE URBANIAK	GER 02-05-99 2:54.97
27.08	04-17-93	USA	DAN THOMPSON	50 M. FLY	LAURA VAL	USA 10-13-96 30.50
1:01.13	11-03-96	USA	TOM PERRIN	100 M. FLY	LAURA VAL	USA 10-13-96 1:07.80
2:19.73	12-15-96	USA	BOO GRANER GALLAS	200 M. FLY	LAURA VAL	USA 10-19-97 2:33.70
1:02.99	06-20-99	USA	TOM REUDY	100 M. I.M.	LAURA VAL	USA 10-19-97 1:11.82
2:16.97	06-20-99	USA	TOM REUDY	200 M. I.M.	LAURA VAL	USA 10-19-97 2:37.59
4:57.34	06-20-99	USA	TOM REUDY	400 M. I.M.	DANIELLE OGIER	USA 12-13-98 5:43.24
***** M E N *****			50-54	***** W O M E N *****		
25.49	12-13-98	USA	ROGER HAWKINS	50 M. FREE	CAROL FELLOWS	GBR 10-25-98 30.29
56.63	10-13-96	USA	KEEFE LODWIG	100 M. FREE	ARDETH MUELLER	USA 10-06-91 1:06.41
2:06.76	12-15-96	USA	TIM BIRNIE	200 M. FREE	DIANNE FOSTER	CAN 04-25-99 2:24.43
4:30.80	12-13-98	USA	R TOD SPIEKER	400 M. FREE	DIANNE FOSTER	CAN 04-25-99 5:02.03
9:12.81	12-13-98	USA	R TOD SPIEKER	800 M. FREE	DIANNE FOSTER	CAN 04-24-99 10:23.48
17:36.51	10-16-99	USA	R TOD SPIEKER	1500 M. FREE	BARBARA DUNBAR	USA 10-03-99 19:59.03
29.50	12-14-97	USA	HUGH WILDER	50 M. BACK	CAROL FELLOWS	GBR 11-08-97 34.97
1:04.17	12-14-97	USA	HUGH WILDER	100 M. BACK	SANDRA O'NEIL	GBR 10-26-97 1:19.16
2:21.88	10-18-98	USA	R TOD SPIEKER	200 M. BACK	ARDETH MUELLER	USA 12-07-91 2:48.88
31.24	12-14-97	USA	DON MCKENZIE	50 M. BRST	JAN MACLEOD	AUS 09-13-97 38.48
1:09.96	12-15-96	USA	ROBERT STRAND	100 M. BRST	CHRISTIANE HEEREN	GER 02-06-99 1:24.45
2:34.71	12-15-96	USA	ROBERT STRAND	200 M. BRST	CHRISTIANE HEEREN	GER 04-24-99 3:00.98
27.55	11-22-98	USA	STEVE BOROWSKI	50 M. FLY	JUDY WILSON	GBR 10-24-98 33.09
1:02.54	12-14-97	USA	BOO GRANER GALLAS	100 M. FLY	ARDETH MUELLER	USA 10-06-91 1:12.66
2:21.58	12-14-97	USA	BOO GRANER GALLAS	200 M. FLY	BARBARA DUNBAR	USA 10-03-99 2:44.84
1:04.97	12-15-96	USA	ROBERT STRAND	100 M. I.M.	CAROL FELLOWS	GBR 10-27-96 1:17.98
2:25.01	12-14-97	USA	ROBERT STRAND	200 M. I.M.	BRIGITTE MERTEN	GER 11-02-97 2:48.78
5:16.86	10-18-98	USA	R TOD SPIEKER	400 M. I.M.	ARDETH MUELLER	USA 12-07-91 5:56.24
***** M E N *****			55-59	***** W O M E N *****		
26.60	10-15-89	USA	DONALD HILL	50 M. FREE	ARDETH MUELLER	USA 11-03-96 30.37
59.49	11-02-97	USA	JACK GEOGHEGAN	100 M. FREE	JEN THOMASSON	AUS 08-28-99 1:09.77
2:13.20	12-07-97	USA	JACK GEOGHEGAN	200 M. FREE	ARDETH MUELLER	USA 11-03-96 2:28.30
4:47.10	06-28-97	GBR	SANDY GALLETTY	400 M. FREE	ARDETH MUELLER	USA 11-03-96 5:15.91
9:47.45	10-26-97	GBR	SANDY GALLETTY	800 M. FREE	JEN THOMASSON	AUS 08-29-98 11:04.01
18:51.83	10-25-98	GBR	SANDY GALLETTY	1500 M. FREE	JEN THOMASSON	AUS 08-29-98 20:49.11
30.94	12-05-98	USA	ROBERT SMITH	50 M. BACK	S NABUCO DE ABREU	BRA 09-05-98 35.82
1:08.34	10-18-98	USA	RICHARD BURNS	100 M. BACK	SATOKO TAKEUJI	JPN 05-18-97 1:19.61
2:32.73	10-18-98	USA	RICHARD BURNS	200 M. BACK	MARGARET WILDING	GBR 10-26-97 2:58.47
33.17	05-09-93	JPN	HIROSHI KOTEGAWA	50 M. BRST	MONIKA SENFTLEBEN	GER 11-08-97 38.98
1:16.32	06-04-88	USA	MANUEL SANGUILY	100 M. BRST	BONNIE PRONK	CAN 11-22-97 1:25.92
2:49.21	12-13-98	USA	TEGZE HARASZTI	200 M. BRST	BONNIE PRONK	CAN 11-22-97 3:08.87
28.92	02-20-99	ESP	JOSEP CLARET	50 M. FLY	ARDETH MUELLER	USA 11-02-97 33.66
1:06.29	11-15-98	USA	ROBERT POILETMAN	100 M. FLY	JUDY WILSON	GBR 07-24-99 1:18.39
2:31.16	11-15-98	USA	ROBERT POILETMAN	200 M. FLY	ARDETH MUELLER	USA 11-03-96 2:55.05
1:09.43	11-15-98	USA	ROBERT SMITH	100 M. I.M.	YOSHIKO OSAKI	JPN 05-28-95 1:21.25
2:34.42	05-22-95	CAN	JACK KELSO	200 M. I.M.	ARDETH MUELLER	USA 11-02-97 2:52.43
5:29.09	06-28-97	GBR	SANDY GALLETTY	400 M. I.M.	JEN THOMASSON	AUS 07-25-98 6:11.73
***** M E N *****			60-64	***** W O M E N *****		
27.32	06-25-95	USA	BOB BAILIE	50 M. FREE	JAYNE BRUNER	USA 12-03-95 33.07
1:01.96	06-25-95	USA	BOB BAILIE	100 M. FREE	YOSHIKO OSAKI	JPN 04-12-98 1:12.22
2:21.31	06-25-95	USA	GRAHAM JOHNSTON	200 M. FREE	YOSHIKO OSAKI	JPN 05-23-99 2:38.32
4:56.69	06-25-95	USA	GRAHAM JOHNSTON	400 M. FREE	YOSHIKO OSAKI	JPN 04-29-99 5:35.85
10:27.62	06-25-95	USA	GRAHAM JOHNSTON	800 M. FREE	LAVELLE STINOFF	USA 03-14-93 11:30.55
19:48.44	06-25-95	USA	GRAHAM JOHNSTON	1500 M. FREE	YOSHIKO OSAKI	JPN 05-30-98 21:59.83
33.62	05-23-99	JPN	AKIHIKO YABE	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
1:17.85	05-17-99	CAN	JACK KELSO	100 M. BRST	FLORA CONNOLLY	GBR 04-23-94 1:32.12
2:57.08	10-28-95	GBR	THOMAS WALKER	200 M. BRST	JOANN LEILICH	USA 03-27-99 3:18.34
30.34	11-05-95	USA	BOB BAILIE	50 M. FLY	YOSHIKO OSAKI	JPN 06-20-99 36.04
1:13.34	06-27-99	BRA	LUIS RICARDO SIMI	100 M. FLY	YOSHIKO OSAKI	JPN 05-09-99 1:23.78
2:49.56	11-01-98	USA	DRURY GALLAGHER	200 M. FLY	FLORA CONNOLLY	GBR 04-23-94 3:17.00
1:09.93	05-17-99	CAN	JACK KELSO	100 M. I.M.	YOSHIKO OSAKI	JPN 05-10-98 1:23.16
2:35.04	05-17-99	CAN	JACK KELSO	200 M. I.M.	YOSHIKO OSAKI	JPN 01-25-98 2:59.95
5:49.45	05-17-99	CAN	JACK KELSO	400 M. I.M.	YOSHIKO OSAKI	JPN 01-31-99 6:28.22

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS

(as of 11-1-99)

***** M E N *****		65-69		***** W O M E N *****					
28.02	10-18-98	USA	RONALD JOHNSON	50	M. FREE	GAIL ROPER	USA	10-13-96	34.17
1:02.77	01-28-96	ESP	ROBERTO ALBERICHE	100	M. FREE	GAIL ROPER	USA	12-15-96	1:16.26
2:22.07	12-14-97	USA	GRAHAM JOHNSTON	200	M. FREE	JANE ASHER	GBR	10-26-97	2:50.40
5:09.09	12-15-96	USA	GRAHAM JOHNSTON	400	M. FREE	JANE ASHER	GBR	05-12-96	6:00.99
10:35.13	06-02-96	USA	GRAHAM JOHNSTON	800	M. FREE	JANE ASHER	GBR	07-23-99	12:26.85
19:53.18	06-02-96	USA	GRAHAM JOHNSTON	1500	M. FREE	CLARA WALKER	USA	12-13-92	23:38.44
33.46	12-06-98	USA	YOSHI OYAKAWA	50	M. BACK	DORIS STEADMAN	USA	10-15-89	40.48
1:14.66	12-06-98	USA	YOSHI OYAKAWA	100	M. BACK	DORIS STEADMAN	USA	10-15-89	1:30.41
2:47.59	01-15-98	JPN	S SEKIKAWA	200	M. BACK	DORIS STEADMAN	USA	10-15-89	3:15.72
36.07	12-13-98	USA	MANUEL SANGUILY	50	M. BRST	ELIANE PELLIS	BEL	02-28-98	43.27
1:21.34	01-28-96	CAN	NICK TEMPLEMAN	100	M. BRST	FLORA CONNOLLY	GBR	05-01-98	1:34.93
3:06.13	03-03-96	CAN	NICK TEMPLEMAN	200	M. BRST	FLORA CONNOLLY	GBR	05-03-98	3:25.67
31.65	10-18-98	USA	RON JOHNSON	50	M. FLY	GAIL ROPER	USA	10-15-95	38.44
1:16.70	10-18-98	USA	RON JOHNSON	100	M. FLY	GAIL ROPER	USA	10-15-95	1:33.10
3:06.32	04-24-99	GER	WERNER MULLER	200	M. FLY	FLORA CONNOLLY	GBR	05-02-98	3:31.57
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.	FLORA CONNOLLY	GBR	05-07-99	3:18.43
6:04.40	11-23-96	USA	GRAHAM JOHNSTON	400	M. I.M.	JUDIE OLIVER	CAN	05-17-99	7:01.55
***** M E N *****		70-74		***** W O M E N *****					
30.21	03-15-98	JPN	TAKAHIKO NOMA	50	M. FREE	CLARA WALKER	USA	06-22-96	36.32
1:09.00	12-10-95	USA	FRANK PIEMME	100	M. FREE	CLARA WALKER	USA	06-22-96	1:20.77
2:34.64	12-13-98	USA	WILLIAM PHILLIPS	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
22:30.87	12-13-98	USA	WILLIAM PHILLIPS	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
2:55.73	05-23-98	USA	ROGER FRANKS	200	M. BACK	DORIS STEADMAN	USA	10-08-95	3:27.79
38.60	11-24-96	JPN	TOSHIO TAJIMA	50	M. BRST	EDITH BOEHM	GER	03-21-98	45.26
1:29.48	11-06-94	USA	BARTON GREENBERG	100	M. BRST	EDITH BOEHM	GER	01-24-98	1:42.97
3:16.44	04-23-95	GER	KARL HAUTER	200	M. BRST	SYLVIA NEUHAUSER	AUT	01-31-99	3:45.96
34.77	12-10-95	USA	FRANK PIEMME	50	M. FLY	GAIL ROPER	USA	05-17-99	40.66
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.	GAIL ROPER	USA	05-17-99	1:33.43
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 *****					
32.09	03-14-99	JPN	KEIJIRO NAKAMURA	50	M. FREE	OLGA JOHNSON	NZL	02-03-96	39.73
1:13.35	10-26-97	GBR	JACK HALE	100	M. FREE	MARGERY MEYER	USA	10-18-98	1:33.87
2:48.67	11-06-94	USA	RAY TAFT	200	M. FREE	MARGERY MEYER	USA	10-19-97	3:27.92
6:02.95	10-15-95	USA	RAY TAFT	400	M. FREE	MARGERY MEYER	USA	10-18-98	7:01.36
12:45.40	11-06-94	USA	RAY TAFT	800	M. FREE	MARGERY MEYER	USA	10-18-98	14:46.26
24:46.19	11-14-93	USA	ALDO DA ROSA	1500	M. FREE	MARGERY MEYER	USA	10-10-98	27:47.25
37.47	03-15-98	JPN	KEIJIRO NAKAMURA	50	M. BACK	DORIS MCEWAN	CAN	05-17-99	47.69
1:24.21	03-15-98	JPN	KEIJIRO NAKAMURA	100	M. BACK	WILLY VAN RYSEL	GBR	- -91	1:48.13
3:09.22	05-30-99	JPN	KEIJIRO NAKAMURA	200	M. BACK	WILLY VAN RYSEL	GBR	- -91	4:00.43
40.22	03-06-99	GER	ROBERT PFERSDORFF	50	M. BRST	SATOKO SUZUKI	JPN	05-24-98	49.57
1:28.61	01-30-99	GER	ROBERT PFERSDORFF	100	M. BRST	SATOKO SUZUKI	JPN	05-30-99	1:54.33
3:24.84	04-24-99	GER	ROBERT PFERSDORFF	200	M. BRST	AGNES PLISSON	FRA	04-03-99	4:20.48
37.18	05-15-99	GER	ROBERT PFERSDORFF	50	M. FLY	LOIS KIVI NOCHMAN	USA	02-21-99	47.88
1:36.80	11-15-92	USA	PAUL KRUP	100	M. FLY	LOIS KIVI NOCHMAN	USA	02-21-99	1:56.42
3:26.72	04-24-99	GER	ROBERT PFERSDORFF	200	M. FLY	LOIS KIVI NOCHMAN	USA	05-17-99	4:08.39
1:27.43	11-06-94	USA	RAY TAFT	100	M. I.M.	DORIS MCEWAN	CAN	05-18-99	1:47.56
3:20.35	11-06-94	USA	RAY TAFT	200	M. I.M.	LOIS KIVI NOCHMAN	USA	05-17-99	4:08.84
7:08.53	11-06-94	USA	RAY TAFT	400	M. I.M.	LOIS KIVI NOCHMAN	USA	02-21-99	8:30.82
***** 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	RITA SIMONTON	USA	12-13-98	1:42.38
3:01.42	05-14-95	JPN	HIKOJI UEKI	200	M. FREE	RITA SIMONTON	USA	12-13-98	3:37.21
6:46.62	09-28-97	USA	ALDO DA ROSA	400	M. FREE	RITA SIMONTON	USA	12-13-98	7:33.69
14:09.37	10-10-98	USA	ALDO DA ROSA	800	M. FREE	RITA SIMONTON	USA	10-24-98	15:49.21
25:55.88	10-16-99	USA	RAY TAFT	1500	M. FREE	RITA SIMONTON	USA	11-22-98	29:48.75
42.16	10-10-98	JPN	SHOICHI SAKAMOTO	50	M. BACK	WILLY VAN RYSEL	GBR	11-02-96	55.58
1:36.41	10-18-98	USA	ALDO DA ROSA	100	M. BACK	EDITH THEIN	ISR	02-21-98	1:57.69
3:33.91	11-06-94	USA	EDWARD SHEA	200	M. BACK	EDITH THEIN	ISR	02-21-98	4:03.55
44.56	11-16-97	JPN	Y MIYAMOTO	50	M. BRST	MICHIKO HAMURO	JPN	03-14-99	1:00.96
1:43.91	11-03-97	JPN	Y MIYAMOTO	100	M. BRST	MICHIKO HAMURO	JPN	03-14-99	2:16.49
3:56.61	10-19-97	USA	ALDO DA ROSA	200	M. BRST	RITA SIMONTON	USA	12-13-98	4:49.62
44.75	11-16-98	JPN	Y MIYAMOTO	50	M. FLY	MARIA LENK	BRA	03-12-95	1:02.58
1:47.20	06-08-97	USA	PAUL KRUP	100	M. FLY	JEAN DURSTON	USA	11-06-94	2:28.34
4:00.64	06-08-97	USA	ANTON CERER	200	M. FLY	MAXINE MERLINO	USA	10-17-92	5:22.65
1:36.93	10-19-97	USA	ALDO DA ROSA	100	M. I.M.	MARIA LENK	BRA	03-25-95	2:06.91
3:35.06	10-19-97	USA	ALDO DA ROSA	200	M. I.M.	MARIA LENK	BRA	03-12-95	4:40.77
7:53.88	10-18-98	USA	ALDO DA ROSA	400	M. I.M.	MAXINE MERLINO	USA	10-11-92	9:50.43

FINA MASTERS WORLD RECORDS SHORT-COURSE METERS

(as of 11-1-99)

***** M E N *****				85-89	***** W O M E N *****			
37.89	12-13-98	USA	WOODROW BOWERSOCK	50 M. FREE	JULIA DOLCE	USA	10-08-95	51.99
1:33.74	12-13-98	USA	WOODROW BOWERSOCK	100 M. FREE	JULIA DOLCE	USA	10-08-95	2:05.74
3:29.47	05-23-99	JPN	TOKUSHI KOMEDA	200 M. FREE	MAXINE MERLINO	USA	09-27-98	4:37.83
7:27.29	04-29-99	JPN	TOKUSHI KOMEDA	400 M. FREE	MAXINE MERLINO	USA	10-18-98	9:34.27
16:53.90	12-10-88	USA	GUS LANGNER	800 M. FREE	MAXINE MERLINO	USA	12-13-98	19:41.58
32:20.20	12-11-88	USA	GUS LANGNER	1500 M. FREE	MAXINE MERLINO	USA	11-22-98	37:28.53
47.17	03-01-97	GER	R REINSTADTLER	50 M. BACK	MAXINE MERLINO	USA	12-13-98	1:05.17
1:51.19	01-17-99	GER	R REINSTADTLER	100 M. BACK	DOROTHY WESTON	GBR	03-29-98	2:23.91
4:05.25	04-24-99	GER	CARL SCHERER	200 M. BACK	MAXINE MERLINO	USA	11-22-98	5:13.33
51.17	11-25-95	GER	KARL WITTENBERG	50 M. BRST	EMMI PAULI	GER	05-09-98	1:09.28
2:06.08	06-14-98	USA	WALTER PFEIFFER	100 M. BRST	DOROTHY WESTON	GBR	03-29-98	2:38.75
4:44.32	12-13-98	USA	WALTER PFEIFFER	200 M. BRST	MARTI GOGNIAT	USA	12-14-97	5:59.36
52.74	12-13-98	USA	WALTER PFEIFFER	50 M. FLY	JEWEL COOKE	USA	02-04-96	1:24.22
2:04.50	12-13-98	USA	WALTER PFEIFFER	100 M. FLY	JEWEL COOKE	USA	02-18-96	3:20.81
4:45.09	10-18-98	USA	WALTER PFEIFFER	200 M. FLY	MAXINE MERLINO	USA	09-27-98	6:01.46
1:51.87	06-14-98	USA	WALTER PFEIFFER	100 M. I.M.	MAXINE MERLINO	USA	11-22-98	2:27.70
4:21.19	06-14-98	USA	WALTER PFEIFFER	200 M. I.M.	MAXINE MERLINO	USA	09-27-98	5:12.13
9:31.75	10-18-98	USA	WALTER PFEIFFER	400 M. I.M.	MAXINE MERLINO	USA	10-18-98	11:02.02
***** M E N *****				90-94	***** W O M E N *****			
50.09	12-11-93	USA	GUS LANGNER	50 M. FREE	M GOTTSCHALK	GER	05-08-99	1:13.90
1:58.42	12-11-93	USA	GUS LANGNER	100 M. FREE	ANNA BAUSCHER	USA	10-24-93	3:24.13
4:27.70	12-11-93	USA	GUS LANGNER	200 M. FREE	ANNA BAUSCHER	USA	10-24-93	7:01.11
8:50.65	12-11-93	USA	GUS LANGNER	400 M. FREE	ANNA BAUSCHER	USA	10-24-93	14:16.35
				800 M. FREE	ANNA BAUSCHER	USA	10-24-93	28:45.45
44:48.99	11-10-96	USA	GUS LANGNER	1500 M. FREE				
1:01.56	04-29-99	JPN	NORI YAMAMOTO	50 M. BACK	M GOTTSCHALK	GER	05-08-99	1:15.02
2:29.06	05-04-99	JPN	NORI YAMAMOTO	100 M. BACK	VERA FERNANCE	AUS	- -90	4:19.46
5:44.64	10-13-96	USA	JOE KAUFMAN	200 M. BACK				
1:05.70	03-07-98	GER	HANS PAUL	50 M. BRST	M GOTTSCHALK	GER	05-08-99	1:25.24
2:45.20	11-15-98	USA	JIM PENFIELD	100 M. BRST	DORRIS VENNING	NZL	- -91	4:05.59
6:41.56	12-03-94	USA	GUS LANGNER	200 M. BRST				
1:16.38	02-22-98	USA	JIM PENFIELD	50 M. FLY	JEWEL COOKE	USA	02-21-99	1:50.91
				100 M. FLY	JEWEL COOKE	USA	02-21-99	4:06.32
				200 M. FLY				
2:51.05	02-22-98	USA	JIM PENFIELD	100 M. I.M.	JEWEL COOKE	USA	02-14-99	3:13.87
				200 M. I.M.	JEWEL COOKE	USA	02-14-99	6:56.70
				400 M. I.M.	JEWEL COOKE	USA	02-21-99	14:55.37
***** M E N *****				95-99	***** W O M E N *****			
57.57	10-14-98	USA	GUS LANGNER	50 M. FREE	MARGERY ANDERSON	CAN	10-10-98	2:02.29
2:19.51	10-11-98	USA	GUS LANGNER	100 M. FREE	MARGERY ANDERSON	CAN	10-10-98	4:35.98
5:13.46	10-11-98	USA	GUS LANGNER	200 M. FREE				
10:51.93	10-11-98	USA	GUS LANGNER	400 M. FREE				
22:05.55	10-11-98	USA	GUS LANGNER	800 M. FREE				
41:29.87	10-11-98	USA	GUS LANGNER	1500 M. FREE				
1:27.67	10-11-98	USA	GUS LANGNER	50 M. BACK	MARGERY ANDERSON	CAN	10-10-98	2:05.36
3:38.07	10-14-98	USA	GUS LANGNER	100 M. BACK				
8:32.34	10-14-98	USA	GUS LANGNER	200 M. BACK				
1:31.60	10-11-98	USA	GUS LANGNER	50 M. BRST				
3:35.33	10-11-98	USA	GUS LANGNER	100 M. BRST				
7:29.31	12-16-98	USA	GUS LANGNER	200 M. BRST				
				50 M. FLY				
				100 M. FLY				
				200 M. FLY				
3:33.98	10-11-98	USA	GUS LANGNER	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 11-1-99)

WRL SCM RECORDS AS OF 11-01-99

***** RELAY 200 M. FREE - WOMEN *****	***** RELAY 200 M. MEDLEY - WOMEN *****
100-119 MICHIGAN-USA DYNE BURRELL MARY MUETING	100-119 SPENCER-GBR HELEN JAMESON SIOBHAN HARTLEY
120-159 SAN DIEGO-USA K.PIPES-NEILSEN MATHILDE BOUWMA	120-159 SPENCER-GBR HELEN JAMESON NICOLA SOMMERS
160-199 SAN DIEGO-USA BETH KNIGHT BARBARA DUNBAR	160-199 SAN DIEGO K PIPES-NEILSEN BARBARA DUNBAR
200-239 SG NEUHOLLN-GER MARGA SCHULZE BRIGITTE MERTEN	200-239 HAYWARD HTH-GBR MARGARET WILDING SALLY MILLS
240-279 ST KANSAI-JPN FUSAKO HIROOKA KAZUKO KAJIWARA	240-279 ST KANSAI-JPN EMIKO TSUJIMOTO YOSHIKO OSAKI
280-319 KAWASAKI-JPN MIEKO KAMOSHITA MIDORI KINJO	280-319 KAWASAKIITO-JPN MIDORI KINJO KOYOKO KOZU
320-359 ST PETE - USA MARIAN MCKECHNIE FRANCES CICHANSKI	320-359 SAN MATEO-USA HELEN ROUMASSET ZADA TAFT
03-31-96 1:45.93 SUSIE DEVLIN SHEILA TAORMINA	10-26-97 2:04.54 SUSAN HILL HELEN DAY
11-09-96 1:53.26 BETH KNIGHT NANCY NORTH	10-25-98 2:04.49 SIOBHAN HARTLEY SUSAN HILL
12-15-98 1:54.94 CAROLINE KRATTLI K PIPES-NEILSEN	12-15-98 2:08.46 CAROLINE KRATTLI BETH KNIGHT
09-25-98 2:10.33 MONIKA SENFTLEBEN ELKE SCHARP	10-25-98 2:24.72 CHRISTINE PERFECT EILEEN LUTHER
01-31-99 2:23.92 EMIKO TSUJIMOTO YOSHIKO OSAKI	05-09-99 2:41.75 KAZUKO KAJIWARA FUSAKO HIROOKA
03-15-98 2:47.76 AKIKO HATTORI KIYOKO KOZU	05-05-98 3:13.50 AKIKO HATTORI MIEKO KAMOSHITA
10-31-93 4:09.37 WIN KENNEDY KAY SCHIMPF	10-13-96 4:39.75 HILDA BUEL AUDREY ETIENNE

***** RELAY 200 M. FREE - M E N *****	***** RELAY 200 M. MEDLEY - M E N *****
100-119 EL SEGUNDO-USA FRANK WATTLES MARCEL RINZLER	100-119 EL SEGUNDO-USA DEREK ROBINSON MARCEL RINZLER
120-159 LAHDNKALEVA-FIN JANNE VIRTANEN JAANI VIRTANEN	120-159 BAYLOR/STAR-USA JAY YARID BOBBY PATTEN
160-199 COLONIALS-USA CHARLES NORELLI MICHAEL SLENKER	160-199 MINNESOTA-USA SCOTT TRIPPS RAY ELLIS
200-239 S CAL AQUAT-USA FRED HUBBELL FRANS NELSON	200-239 GOLD COAST-USA JOHN SPIRE JOEL BURNS
240-279 SAN DIEGO-USA MIKE FRESHLEY BILL EARLEY	240-279 FLUMINENSE-BRA LUIZ SILVA ANTONIO DE SOUZA
280-319 SHUEI-JPN KEIJIRO NAKAMURA ISAMU TAMURA	280-319 FL MAVERICK-USA PAUL HUTINGER JOSEPH KURTZMAN
320-359 JUEI CLUB-JPN KATSUZO SHIRAYAMA SETSUO FUKUHARA	320-359 YOKYO SS-JPN KISABURO WADA Y MIYAMOTO
12-14-97 1:35.70 DEREK ROBINSON BERT BERGEN	12-14-97 1:45.73 DAVE HUSTON BERT BERGEN
03-27-99 1:37.44 ARI JAAKKOLA TOMMY RUNDGREN	04-16-94 1:45.01 GREG RHODENBAUGH MOOK RHODENBAUGH
04-21-96 1:40.74 THOMAS MEADE GREGORY OXLEY	05-02-98 1:52.42 J KOCHENDORFER MATE LEIGH
12-11-94 1:47.41 FRANK PIEMME PETER O'KEEFFE	10-11-98 1:59.34 GEORGE SCHMIDT CAV CAVANAUGH
06-13-99 1:56.66 KEN KIMBALL MICHAEL AHERN	09-07-98 2:11.79 ROBERT MACDONALD ALAN MALONEY
11-03-93 2:11.55 EISAKU HAYASHI SHUICHI MURAYAMA	12-07-97 2:31.20 ROBERT MACDONALD ALAN MALONEY
04-29-99 2:34.39 ISAMU TAMURA KISABURO WADA	05-04-98 3:20.27 SABURO WATANABE YAJIRO FUKUDA

***** RELAY 200 M. FREE - MIXED *****	***** RELAY 200 M. MEDLEY - MIXED *****
100-119 EL SEGUNDO-USA BERT BERGEN MARCEL RINZLER	100-119 EL SEGUNDO-USA D GRANER GALLAS DEREK ROBINSON
120-159 ST.PETE-USA LISA SUMMERS MCKEITHEN-BUSSEY	120-159 LAKESIDE-USA WILLIAM TINGLEY MICHAEL HIGGS
160-199 SAN DIEGO-USA BETH KNIGHT LARRY CARTWRIGHT	160-199 W HOLLYWOOD-USA ANDREA DEVUONO MICHAEL MEALIFFE
200-239 TAMALPAIS-USA RICHARD BURNS LAURA VAL	200-239 ST KANSAI-JPN YOSHIE OSAKI KOJI NAKANO
240-279 SAN DIEGO-USA MIKE FRESHLEY JACKIE MARR	240-279 SAN DIEGO-USA BETSY JORDAN JACKIE MARR
280-319 S10ONOKAI-JPN MAKOTO NISHIURA KAZUKO TAGUCHI	280-319 10ONOKAI-JPN KAZUKO TAGUCHI AKIRA ITO
320-359 IBARAKI-JPN KENZO UEMURA RITSUKO HAYASHIDA	320-359 IBARAKI-JPN RYUJI FUJIKAWA Y KAWABATA
12-14-97 1:41.62 D GRANER GALLAS HEIDI HANNENIAN	12-14-97 1:52.80 DAVE HUSTON HEIDI HANNENIAN
10-13-96 1:45.78 WILLIAM SPECHT STUART BARTON	10-15-89 1:58.28 GINA GATTI MELINDA SCHMITT
11-09-96 1:47.38 K.PIPES-NEILSEN LEE MENCH	06-24-94 2:01.59 KAREN MELICK THOMAS REUDY
12-13-98 1:55.91 ED CAZALET NANCY RIDOUT	10-25-98 2:09.37 YOSHIHIKO OSAKI YOSHIKO OSAKI
12-13-98 2:06.22 BETSY JORDAN DONALD BAKER	12-13-98 2:25.26 MIKE FRESHLEY DONALD BAKER
05-09-99 2:33.07 CHIE TANI AKIRA ITO	04-12-98 2:52.77 MAKOTO NISHIURA CHIE TANI
01-31-99 3:20.78 HIROKO TSUCHIYA RYUJI FUJIKAWA	01-31-99 3:45.23 HIROKO TSUCHIYA RITSUKO HAYASHIDA

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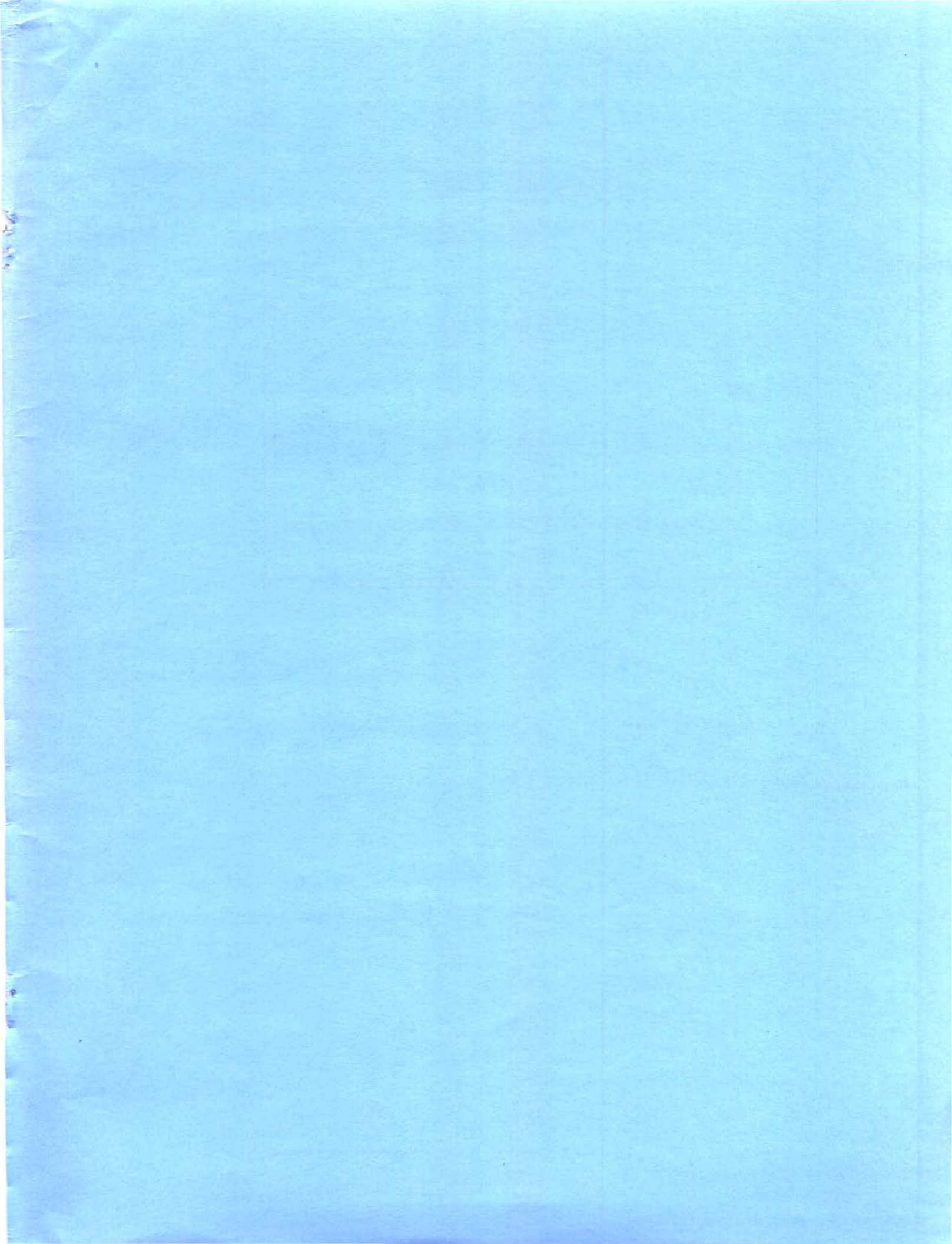
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UNITED STATES MASTERS SWIMMING 1999 TOP TEN SHORT COURSE METERS

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