

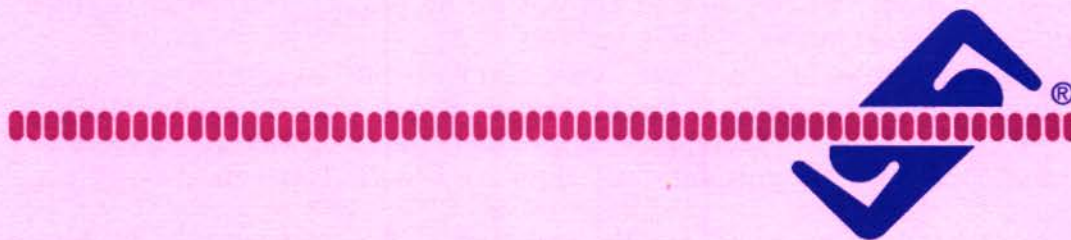
\$7.00

*United States  
Masters Swimming, Inc.*

**1999  
Top Ten  
Long Course Meters**

and

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



*Published December 1999*

UNITED STATES MASTERS SWIMMING  
1999 TOP TEN  
LONG COURSE METERS

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The 1999 Long Course Top Ten is the second issue in a series of three 1998 Top Ten issues produced by United States Masters Swimming. Inside you will find the Top Ten Times for the 1998 Long Course Meter season (swims performed in a 50 meter pool) made on or before September 30, 1999 and forwarded to the Records and Tabulation Chairman, Pieter Cath, by October 20th, 1999. 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 individual and relay person on this list is eligible to purchase a Top Ten Patch with stroke segment. Send \$5 to Darlyne Ferguson, 4917 Walden Circle, Orlando, FL 32811. Additional stroke segments are \$1.25 each.

The first issue in this series is 1998-1999 Short Course Yards (swims performed in a 25 yard pool). Times and records considered for this Top Ten list must be made on or before May 31st and reported to the Top Ten Chairman by July 15th.

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

Once the SCM Top Ten is finalized, the official 1999 All American Roster will be produced. A swimmer/relay who has the Top Ten time in one or more event(s) in any one of the three courses qualifies for All American status. To order an All American Certificate and Patch, send a check for \$5 made out to USMS to: USMS National Office, 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 a special award from The FINALS, this years event sponsor. All American (individual) and All Star rosters will appear in the May/June issue of SWIM Magazine.

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

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

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

A BIG THANK YOU goes out to: LMSC Top Ten Recorders who are all dedicated volunteers who spend countless hours at their computers on our behalf, Pieter Cath and the members of the Records & Tabulations Committee for the work you do in pulling all this information together and creating this National Top Ten list, Walt Reid for your many years of service, Betsy Durrant for handling the subscription lists and Gene Donner and Gateway Printing & Graphics who duplicates this final product.

Happy Swimming!

Tracy

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

WOMEN 19-24							
* 50 M. FREESTYLE		31.79	Beth Shimanski	22	32.91	Kelly Roth	22
27.92	SHARON SCOTT	96	32.90	Amanda Crowe	23	33.60	Heather Schuerman
28.96	Michelle Hackmer	23	33.53	Michelle Hackmer	23	33.84	Brandy Hajovsky
30.18	Brandy Hajovsky	22	33.61	Kriste Kleiner	24	34.01	Marlena L Yauch
30.25	Sara Allen	24	34.55	Andrea Gagnon	23	* 100 M. BUTTERFLY	
30.30	Mary-Halis Alkis	20	34.58	Amy Zemaitis	20	1:06.05	BLANCA CASTILLO
30.31	Krystal Durfey	23	34.97	Christine Lubrano	24	1:11.39	Amanda Crowe
30.53	Christine Lubrano	24	35.74	Allison Beebe	23	1:14.11	Amy Zemaitis
30.62	Andrea Gagnon	23	35.77	Mary-Halis Alkis	20	1:18.29	Hillary Dryselius
30.78	Hillary Dryselius	24	36.88	Marlena L Yauch	19	1:18.58	J Richardson
30.85	Stacy Warren	22	* 100 M. BACKSTROKE		1:19.43	Stacey Klepel	21
31.09	Dana Boulukos	23	1:06.09	DAWN BRACIAK	87	1:19.46	Carly Rogers
* 100 M. FREESTYLE			1:07.78	Beth Shimanski	22	1:19.62	Allison Beebe
1:01.49	ANITA HARRISON	90	1:10.40	Amanda Crowe	23	1:19.98	H Schuerman
1:02.74	Michelle Hackmer	23	1:12.27	Michelle Hackmer	23	1:20.03	Marlena L Yauch
1:07.35	Sara Allen	24	1:13.38	Andrea Gagnon	23	1:20.42	Lisa Gorsline
1:07.84	Allison Beebe	23	1:14.96	Abigail Goff	22	* 200 M. BUTTERFLY	
1:08.12	Krystal Durfey	23	1:15.34	J Wagoner	24	2:22.59	BLANCA CASTILLO
1:08.19	Mary-Halis Alkis	20	1:16.87	Mary-Halis Alkis	20	2:39.81	Amanda Crowe
1:08.92	Stacy Warren	22	1:17.29	Amy Zemaitis	20	2:50.25	Amy Zemaitis
1:09.31	Castle Funatake	24	1:19.01	Allison Beebe	23	3:02.00	Lisa Gorsline
1:09.71	Charlene Griffin	21	1:19.87	Liz Hawes	23	3:06.65	Heidi Griffin
1:10.33	Marin S Pietrzak	20	* 200 M. BACKSTROKE		3:09.69	Heather Bakker	23
1:10.69	Hillary Dryselius	24	2:26.62	MICHELLE DONAHUE	92	* 200 M. INDIVIDUAL MEDLEY	
* 200 M. FREESTYLE			2:32.31	Amanda Crowe	23	2:29.90	MICHELLE DONAHUE
2:13.43	KATRINA WALTERS	96	2:34.42	Abigail Goff	22	2:38.04	Abigail Goff
2:19.76	Michelle Hackmer	23	2:37.22	Andrea Gagnon	23	2:38.69	Andrea Gagnon
2:26.36	Nicola J Clegg	23	2:42.64	Amy Zemaitis	20	2:41.30	Amy Zemaitis
2:27.00	Liz Hawes	23	2:43.83	Allison Beebe	23	2:42.18	Nicola J Clegg
2:27.84	Abigail Goff	22	2:47.19	Kriste Kleiner	24	2:42.42	K Sidiropoulou
2:29.12	Allison Beebe	23	2:49.15	J Wagoner	24	2:48.38	Christine Lubrano
2:29.29	Stacy Warren	22	2:49.33	J Richardson	20	2:48.54	Jessie Richardson
2:29.95	Greta Petersen	22	3:01.79	H Schuerman	23	2:50.08	J Wagoner
2:31.22	Charlene Griffin	21	3:04.19	Amy Bridges	21	2:50.57	Stacey Klepel
2:31.98	Sara Allen	24	* 50 M. BREASTSTROKE		2:51.13	Mary-Halis Alkis	20
2:34.69	Krystal Durfey	23	33.66	ELIZABETH NELSON	95	* 400 M. INDIVIDUAL MEDLEY	
* 400 M. FREESTYLE			37.25	Nicola J Clegg	23	5:18.36	ALISON ZAMANIAN
4:36.94	KATRINA WALTERS	96	39.36	Wendy Dixon	21	5:26.44	Abigail Goff
4:56.00	Abigail Goff	22	39.62	Amy Zemaitis	20	5:56.51	Amy Zemaitis
5:01.24	K Sidiropoulou	23	40.43	J Richardson	20	5:57.23	K Sidiropoulou
5:13.51	Amanda Crowe	23	41.18	Maria E Peterson	23	5:57.26	Kriste Kleiner
5:15.87	Greta Petersen	22	41.33	Charlene Griffin	21	6:02.36	J Richardson
5:17.37	Laura Palombi	20	41.51	Mary-Halis Alkis	20	6:14.33	Stacey Klepel
5:28.69	Stacy Warren	22	41.54	Libby Ruka	20	6:16.35	Lisa Gorsline
5:31.30	Nicole J Vrolyks	24	41.62	Marin S Pietrzak	20	6:26.25	Heather Bakker
5:40.13	Carrie O'Shields	21	41.95	Castle Funatake	24	6:34.32	Steve Jenkins
5:40.83	Lisa Gorsline	24	* 100 M. BREASTSTROKE		6:46.11	Heather Schuerman	23
5:40.89	Mindi Rue	19	1:13.62	ELIZABETH NELSON	95		
* 800 M. FREESTYLE			1:21.38	Nicola J Clegg	23		
9:31.25	ALISON ZAMANIAN	94	1:24.94	Mindy Armstrong	23		
10:22.94	Amy Zemaitis	20	1:26.05	Wendy Dixon	21		
11:19.35	Heather Bakker	23	1:26.45	J Richardson	20		
11:42.30	Nicole J Vrolyks	24	1:27.12	Sharon Noe	22		
11:45.66	Joanne Hopkins	23	1:28.10	Abigail Goff	22		
12:10.34	Becky R Smith	20	1:29.12	Maria E Peterson	23		
12:15.82	Jennifer Kroh	20	1:29.47	Greta Petersen	22		
12:25.97	Dana Boulukos	23	1:32.11	Castle Funatake	24		
12:27.19	Joselyn Beckstrom	24	1:32.12	Stacey Klepel	21		
13:01.56	Jennifer Adams	23	* 200 M. BREASTSTROKE				
13:14.13	Mandy Shrum	21	2:51.20	LOUISE KEOGH	93		
* 1500 M. FREESTYLE			2:53.25	Nicola J Clegg	23		
18:17.40	ALISON ZAMANIAN	94	3:05.78	J Richardson	20		
19:59.37	Joy Stover	23	3:05.98	Wendy Dixon	21		
20:09.54	Liz Hawes	23	3:11.11	Greta Petersen	22		
20:35.12	Amy Zemaitis	20	3:16.42	Maria E Peterson	23		
20:35.67	Laura Palombi	20	3:17.05	Stacey Klepel	21		
22:02.32	Lisa Gorsline	24	3:17.87	Amy Zemaitis	20		
22:10.80	Heather Bakker	23	3:20.62	Charlene Griffin	21		
23:09.00	Krystal Durfey	23	3:26.13	Annie Tom	23		
23:18.22	Jennifer Kroh	20	3:28.18	Lisa Gorsline	24		
23:26.69	Joanne E Hopkins	23	* 50 M. BUTTERFLY				
23:30.03	Steve Jenkins	21	30.00	KANA SHIBUYA	95		
* 50 M. BACKSTROKE			31.63	Kriste Kleiner	24		
31.55	TORI SMITH	90	31.76	Andrea Gagnon	23		
			31.97	Amanda Crowe	23		
			31.98	Amy Zemaitis	20		
			32.02	Mary-Halis Alkis	20		
			32.77	Sara Allen	24		

## WOMEN 25-29

* 50 M. FREESTYLE							
	26.68	SARA SHAND	91				
	27.77	Nicole Paplham	25				
	27.95	Katrina Radke	29				
	28.24	Jamie Raab	29				
	28.80	Jenny A Ward	28				
	29.29	Heather Hageman	29				
	29.35	Kiki Steinberg	28				
	29.52	Stacy Gentry	25				
	29.88	Linda Visser	29				
	29.94	Francesc Gambetti	27				
	30.03	Jenni Carlson	29				
* 100 M. FREESTYLE							
	57.76	SHEILA TAORMINA	95				
	1:01.33	Nicole Paplham	25				
	1:02.70	Katrina Radke	29				
	1:02.90	Beth Eldridge	29				
	1:03.80	Jamie Raab	29				
	1:05.46	Sunny Smiley	29				
	1:05.67	Stacy Gentry	25				
	1:05.93	Kiki Steinberg	28				
	1:07.49	Megumi Masuda	25				
	1:07.54	Jenni Carlson	29				
	1:07.56	Cinco Calfee	26				
* 200 M. FREESTYLE							
	2:02.06	SHEILA TAORMINA	95				
	2:20.06	Jamie Raab	29				
	2:20.77	Beth Eldridge	29				

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

2:46.01 Jenni Carlson 29	2:47.67 Suzanne Dearworth 27	• 1500 M. FREESTYLE	3:00.73 V Schlesinger 30
2:46.14 Kiki Steinberg 28	2:48.68 Cinco Calfee 26	17:38.70 KAREN BURTON 96	3:07.10 A Luallen-Scholz 34
• 50 M. BREASTSTROKE	2:52.05 M Marcinkowski 25	19:27.36 A Luallen-Scholz 34	3:08.13 Susie K Blake 33
34.35 LOUISE MARTIN 98	• 400 M. INDIVIDUAL MEDLEY	19:47.82 Ann Hill 30	3:09.01 Michell Digiaco 31
38.10 Bonnie Fryer-Moss 28	5:06.34 SARA SHAND 89	19:56.30 Karen Zemlin 32	3:19.57 Cynthia J Hertzler 30
38.60 Suzanne Dearworth 27	5:25.92 Jill Hansen 25	20:05.62 Susie K Blake 33	3:19.64 Elena A Kogan 32
39.63 Meghan Hall 29	5:41.69 Megumi Masuda 25	20:09.98 Nancy North 31	• 50 M. BUTTERFLY
39.66 Mary Hanney 29	5:45.45 Ellen Baird 29	20:41.03 Jennifer Jacobs 30	28.35 ANGEL MARTINO 99
40.95 M Danapolis 27	5:50.58 Suzanne Dearworth 27	21:18.87 Lisa Elsener 30	28.35 Angel Martino 32
41.97 Kim Monaghan 29	6:04.46 Shauna Simpson 28	21:21.00 Carol Prescott 30	29.78 Jennifer Ridge 31
42.44 S Dickie 25	6:05.31 Tracey Mc Lachlan 27	21:24.12 Adrienne Seal 34	30.01 A Luallen-Scholz 34
42.59 Colleen Scollon 28	6:06.63 Lauren Hughes 26	21:36.72 Christine Stabile 33	31.29 Trish Miranda 31
42.59 Julie Howard 25	6:18.56 Mindy E Behse 26	• 50 M. BACKSTROKE	31.68 Christi Kanazawa 32
42.69 C Lindeman 27	6:34.22 Kendra Garrow 25	30.94 D GRANER GALLAS 96	31.70 Kristen Corbett 33
• 100 M. BREASTSTROKE	7:50.06 Laurie McKnight 27	31.69 Angel Martino 32	31.77 Michell Digiaco 31
1:16.60 S MCINTYRE-WOODS 91	<u>WOMEN 30-34</u>	32.49 A Luallen-Scholz 34	32.02 Michele Chow 31
1:24.73 Suzanne Dearworth 27	• 50 M. FREESTYLE	34.10 Kristen Corbett 33	32.04 Suzanne Reamy 32
1:28.63 Mary Ryan 28	26.37 S NEILSON-BELL 88	34.65 Jennifer Ridge 31	32.76 Nancy North 31
1:28.90 Jill Roethke 29	26.77 Angel Martino 32	34.83 Shari Harden 32	• 100 M. BUTTERFLY
1:29.51 M Marcinkowski 25	28.53 Jennifer Ridge 31	35.17 Tina Neill 34	1:03.93 TRACIE MOLL 98
1:30.11 Meghan Hall 29	28.71 Lauren Welting 34	36.30 Jennifer Vana 32	1:05.70 Angel Martino 32
1:30.18 Maya M Nasution 26	28.79 Dori Kauffman 30	37.81 Nancy North 31	1:05.94 Wenke Hansen 30
1:31.67 Mary Hanney 29	28.91 Christi Kanazawa 32	38.04 Kathy Beckovich 32	1:07.49 Jennifer Ridge 31
1:33.66 Kim Monaghan 29	29.04 Mary Kavaney 33	38.48 Paula Jones 31	1:08.03 A Luallen-Scholz 34
1:33.68 Colleen Scollon 28	29.27 A Luallen-Scholz 34	• 100 M. BACKSTROKE	1:10.76 Trish Miranda 31
1:35.34 Mindy E Behse 26	29.36 Trish Miranda 31	1:05.42 D GRANER GALLAS 96	1:12.38 Kristen Corbett 33
• 200 M. BREASTSTROKE	29.83 Kathryn Zubatuk 34	1:09.80 A Luallen-Scholz 34	1:12.81 Nancy North 31
2:48.56 LOUISE MARTIN 98	30.07 Michell Digiaco 31	1:13.96 Jennifer Ridge 31	1:12.88 Tiffany Forbes 32
2:55.96 Jill Hansen 25	• 100 M. FREESTYLE	1:14.20 Kristen Corbett 33	1:13.14 Suzanne Reamy 32
3:02.50 Suzanne Dearworth 27	58.09 S NEILSON-BELL 88	1:14.79 Tina Neill 34	1:15.16 Ann Hill 30
3:08.35 Ellen Baird 29	58.91 Angel Martino 32	1:19.58 Jennifer Vana 32	• 200 M. BUTTERFLY
3:08.94 Maya M Nasution 26	1:01.43 Lauren Welting 34	1:20.88 Dana Woody 30	2:20.12 K PIPES-NEILSEN 96
3:09.55 M Marcinkowski 25	1:01.64 Jennifer Ridge 31	1:21.54 Julie Gurzi 30	2:29.14 Laureen Welting 34
3:12.34 Kim Arras 29	1:02.58 Louise Martin 30	1:22.73 Shawn Rodrigues 34	2:34.37 Jennifer Ridge 31
3:19.10 Mary Hanney 29	1:03.93 Mary Kavaney 33	1:24.36 Karen Leahy 31	2:39.39 A Luallen-Scholz 34
3:22.85 Kim Monaghan 29	1:04.25 A Luallen-Scholz 34	1:24.65 Claudia Watters 33	2:43.64 Nancy North 31
3:25.90 Wendy Alcock 29	1:04.30 Kathryn Zubatuk 34	• 200 M. BACKSTROKE	2:44.79 Tiffany Forbes 32
3:26.22 Kathy Pomykal 28	1:04.50 Trish Miranda 31	2:17.73 K PIPES-NEILSEN 96	2:45.87 Tina Neill 34
• 50 M. BUTTERFLY	1:04.62 Dori Kauffman 31	2:30.27 A Luallen-Scholz 34	2:46.92 Ann Hill 30
28.79 ROSEMARIE SEAMAN 87	1:06.11 Julie Gurzi 30	2:37.65 Nancy North 31	2:56.26 Carol Prescott 30
29.99 Sunny Smiley 29	• 200 M. FREESTYLE	2:39.66 Tina Neill 34	3:00.70 Michell Digiaco 31
30.69 Beth Eldridge 29	2:06.80 K PIPES-NEILSEN 96	2:50.26 Dana Woody 30	3:13.14 Adrienne Seal 34
30.91 Bonnie Fryer-Moss 28	2:11.91 Lauren Welting 34	2:56.60 Jennifer Vana 32	• 200 M. INDIVIDUAL MEDLEY
30.96 Jamie Raab 29	2:19.24 A Luallen-Scholz 34	2:57.32 Debbie M Schultz 31	2:23.12 K PIPES-NEILSEN 96
31.81 Alexandra Nieto 27	2:20.38 Trish Miranda 31	2:58.73 Paula Jones 31	2:26.10 Wenke Hansen 30
32.49 Kelly Rea 26	2:21.47 Jane West 34	2:59.93 Patricia Hogan 30	2:30.60 Jennifer Ridge 31
32.77 Jenni Carlson 29	2:21.79 Louise Martin 30	3:00.70 Sandy Easton 30	2:32.71 A Luallen-Scholz 34
32.88 Heather Hageman 29	2:21.92 Nancy North 31	3:02.91 Michell Digiaco 31	2:41.24 Michele Chow 31
32.93 Mary Ryan 28	2:24.33 Ann Hill 30	• 50 M. BREASTSTROKE	2:42.93 Kathryn Zubatuk 34
33.10 Cinco Calfee 26	2:26.05 Shari Harden 32	33.84 WENKE HANSEN 99	2:45.36 Debbie M Schultz 31
• 100 M. BUTTERFLY	2:27.17 Kathryn Zubatuk 34	33.84 Wenke Hansen 30	2:46.80 Jane West 34
1:03.67 SHEILA TAORMINA 95	2:28.82 Carol Prescott 30	35.04 Louise Martin 30	2:48.18 Michell Digiaco 31
1:08.28 Jamie Raab 29	• 400 M. FREESTYLE	36.96 V Schlesinger 30	2:50.15 Nancy North 31
1:08.77 Sunny Smiley 29	4:28.76 K PIPES-NEILSEN 96	38.43 Mary Kavaney 33	2:51.56 Ann Hill 30
1:09.67 Bonnie Fryer-Moss 28	4:41.64 Lauren Welting 33	38.52 Jerri Freimuth 34	• 400 M. INDIVIDUAL MEDLEY
1:11.80 Linda Visser 29	4:54.63 Nancy North 31	39.01 A Luallen-Scholz 34	5:03.97 K PIPES-NEILSEN 96
1:14.35 Kelly Rea 26	4:55.14 A Luallen-Scholz 34	39.10 Debbie M Schultz 31	5:17.33 Lauren Welting 34
1:15.19 Ana Sousa 28	4:55.96 Jane West 34	39.16 Michell Digiaco 31	5:24.36 Jennifer Ridge 31
1:15.72 Mallory Slaughter 28	4:57.85 Ann Hill 30	40.65 Shari Harden 32	5:29.10 A Luallen-Scholz 34
1:16.28 Mary Ryan 28	5:02.84 Karen Zemlin 32	41.35 Kira Mc Donough 32	5:41.02 Tina Neill 34
1:16.85 Liz Myers 25	5:08.06 Trish Miranda 31	• 100 M. BREASTSTROKE	5:44.09 Debbie M Schultz 31
1:20.07 Shauna Simpson 28	5:09.05 Kris Jarecki 34	1:14.53 WENKE HANSEN 99	5:49.37 Nancy North 31
• 200 M. BUTTERFLY	5:11.30 Susie K Blake 33	1:14.53 Wenke Hansen 30	5:50.64 Susie K Blake 33
2:17.51 SHEILA TAORMINA 95	5:12.27 Shari Harden 32	1:17.04 Louise Martin 30	5:51.90 Jerri Freimuth 34
2:37.37 Bonnie Fryer-Moss 28	• 800 M. FREESTYLE	1:22.01 V Schlesinger 30	5:59.45 Ann Hill 30
2:43.82 Mallory Slaughter 28	9:19.96 SUSAN PORTER 94	1:22.96 Debbie M Schultz 31	6:03.68 Kathy Beckovich 32
2:49.54 Ana Sousa 28	10:02.39 Jane West 34	1:24.19 Jennifer Ridge 31	
2:57.26 Shauna Simpson 28	10:13.40 Ann Hill 30	1:24.27 Jerri Freimuth 34	<u>WOMEN 35-39</u>
4:23.97 Laurie McKnight 27	10:16.14 A Luallen-Scholz 34	1:25.28 A Luallen-Scholz 34	• 50 M. FREESTYLE
• 200 M. INDIVIDUAL MEDLEY	10:18.18 Karen Zemlin 32	1:28.37 Jane West 34	26.66 TRACIE MOLL 99
2:25.45 SARA SHAND 89	10:29.90 Kris Jarecki 34	1:28.68 Michell Digiaco 31	26.66 Tracie Moll 36
2:35.77 Jill Hansen 25	10:32.11 Jerri Freimuth 34	1:31.57 Jean Smith 33	27.91 K Pipes-Neilsen 37
2:37.95 Bonnie Fryer-Moss 28	10:34.02 Nancy North 31	• 200 M. BREASTSTROKE	28.24 Beth Baker 38
2:39.65 Ellen Baird 29	10:52.81 Karen Leahy 31	2:41.51 WENKE HANSEN 99	28.55 Jill Hernandez 39
2:41.53 Megumi Masuda 25	10:52.99 Dana Woody 30	2:41.51 Wenke Hansen 30	28.91 Charlott Petersen 35
2:41.94 Alexandra Nieto 27	10:55.07 Shari Harden 32	2:48.75 Louise Martin 30	28.92 Laura Dissington 35
2:41.99 Nicole Papham 25		2:58.14 Debbie M Schultz 31	29.10 Caroline Krattli 37
2:43.16 Maya M Nasution 26		3:00.55 Jerry Freimuth 34	

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

29.47 Elizabeth McGee 37	1:10.51 Beth Baker 38	1:15.37 Liz Burchett 37	• 400 M. FREESTYLE
29.99 Mary Dore 36	1:10.59 Lisa Ward 35	1:15.55 Amy Pope 39	4:39.82 S HEIM-BOWEN 99
30.16 Barb Edgar 37	1:12.67 Caroline Krattli 37	1:15.64 Robyn Vaughn 35	4:39.82 S Heim-Bowen 41
• 100 M. FREESTYLE	1:14.29 V Swanson 38	• 200 M. BUTTERFLY	4:54.56 Beth Knight 40
58.87 S NEILSON-BELL 95	1:15.54 Trischa Zorn 35	2:20.21 K PIPES-NEILSEN 97	4:55.54 Wendy Weil 41
59.20 Tracie Moll 36	1:16.67 Andrea Funk 36	2:24.18 K Pipes-Neilsen 37	5:00.57 Lori Payne 40
1:00.60 K Pipes-Neilsen 37	1:16.91 Monica Bailey 38	2:36.34 June Ford 37	5:06.26 Barbara Crowder 42
1:01.77 Jill S Hernandez 39	1:17.44 Barb Edgar 37	2:41.06 Jill S Hernandez 39	5:08.93 Jane K Burks 42
1:02.59 Charlott Petersen 35	1:21.41 Annette Chinn 37	2:41.45 Andrea Block 38	5:11.25 Tracy Grilli 42
1:04.33 Penny Leach 36	• 200 M. BACKSTROKE	2:43.30 Caroline Krattli 37	5:13.49 Heidi Christianse 41
1:04.78 Caroline Krattli 37	2:18.20 K PIPES-NEILSEN 97	2:54.20 Marcia Cleveland 35	5:14.76 Mindy A Hamway 40
1:05.02 Margee M Curran 38	2:22.35 K Pipes-Neilsen 37	2:54.55 Liz Burchett 37	5:14.89 Katherine Branch 42
1:05.13 Mary Dore 36	2:33.69 Lisa Ward 35	2:56.90 Penny Bates 38	• 800 M. FREESTYLE
1:05.71 Elizabeth McGee 37	2:37.70 Caroline Krattli 37	2:58.38 Etta Andrews 35	9:32.18 S HEIM-BOWEN 99
1:05.91 Patty Redig 39	2:42.11 V Swanson 38	3:00.47 Mary Dore 36	9:32.18 S Heim-Bowen 41
• 200 M. FREESTYLE	2:44.22 Monica Bailey 38	• 200 M. INDIVIDUAL MEDLEY	10:11.46 Wendy Weil 41
2:06.62 K PIPES-NEILSEN 98	2:45.11 Andrea Funk 36	2:22.42 K PIPES-NEILSEN 97	10:22.94 Lori Payne 40
2:08.71 Tracie Moll 36	2:45.86 Charlott Petersen 35	2:25.53 K Pipes-Neilsen 37	10:47.50 Katherine Branch 42
2:10.28 Jill Hernandez 39	2:46.91 Lorna Cialdella 35	2:29.30 Jill Hernandez 39	10:47.55 Tracy Grilli 42
2:11.24 K Pipes-Neilsen 37	2:47.46 Barb Edgar 37	2:30.98 Caroline Krattli 37	10:48.01 Laurie Alioto 41
2:17.51 Charlott Petersen 35	2:47.87 Diane Regan 38	2:33.92 Beth Baker 38	10:55.86 Sharon Wencel 40
2:17.60 Margee M Curran 38	• 50 M. BREASTSTROKE	2:38.86 Lisa Ward 35	10:58.31 Sally Maddox 40
2:19.87 Caroline Krattli 37	34.41 L WETZEL-OSBORNE 89	2:41.29 June Ford 36	10:58.54 Marguerite Meyer 40
2:22.28 Mary Dore 36	35.10 Caroline Krattli 37	2:43.12 V Swanson 38	11:11.61 Mary Sweat 42
2:23.50 Andrea Block 38	35.61 K Pipes-Neilsen 37	2:44.59 Lorna Cialdella 35	• 1500 M. FREESTYLE
2:24.35 T Childress-Brown 35	38.07 Robin Paine 35	2:46.24 Amy Pope 39	18:14.34 S HEIM-BOWEN 98
2:25.08 Laura Dissington 35	38.21 Patricia Powis 38	2:46.56 Penny Leach 36	18:33.51 S Heim-Bowen 41
• 400 M. FREESTYLE	38.24 Maud Orlando 37	• 400 M. INDIVIDUAL MEDLEY	20:47.26 Sally Maddox 40
4:26.17 K PIPES-NEILSEN 97	38.33 Laura Dissington 35	5:02.67 K PIPES-NEILSEN 98	20:55.31 Mary Sweat 42
4:34.09 K Pipes-Neilsen 37	38.54 Susan Richmond 38	5:08.01 K Pipes-Neilsen 37	20:58.25 Tracy Grilli 42
4:37.34 Jill Hernandez 39	38.80 Janna D Jensen 35	5:18.43 Jill Hernandez 39	21:28.59 Meg May 41
4:43.88 Lisa A Hazen 35	39.30 Lisa Kuwahara 36	5:28.74 Caroline Krattli 37	21:30.21 Jo Ann Harrelson 43
4:47.67 June Ford 37	39.68 S Petersen 37	5:43.32 Lisa Ward 35	21:30.51 Andrea Nauta 40
4:51.68 Charlott Petersen 35	• 100 M. BREASTSTROKE	5:45.15 June Ford 37	21:32.66 Phyllis E Quinn 43
5:00.74 Penny Leach 36	1:17.11 CAROLINE KRATTLI 99	5:47.90 Lorna Cialdella 35	21:54.52 Pam Beck 42
5:02.85 Caroline Krattli 37	1:17.11 Caroline Krattli 37	5:55.85 Diane Regan 38	22:00.77 Nancy Johnston 44
5:03.21 Amy Pope 39	1:21.07 K Pipes-Neilsen 37	6:01.56 Penny Bates 38	• 50 M. BACKSTROKE
5:03.45 Mary Dore 36	1:24.00 Susan Richmond 38	6:09.55 Susan Richmond 38	32.25 LAURA VAL 94
5:04.46 Ellen Ferguson 37	1:25.65 Patricia Powis 38	6:09.94 Mary Dore 36	34.45 Zena Courtney 40
• 800 M. FREESTYLE	1:25.79 Maud Orlando 37		34.95 Sharon Wencel 40
9:16.20 K PIPES-NEILSEN 97	1:27.03 Lisa Kuwahara 36	WOMEN 40-44	35.46 Leslie A Ulen 42
9:27.03 K Pipes-Neilsen 37	1:27.10 Robin Paine 35	• 50 M. FREESTYLE	35.58 Susan Blattner 42
9:29.55 Jill Hernandez 39	1:27.32 Paula Pollard 36	27.39 S NEILSON-BELL 96	35.61 Patty Landers 42
9:36.01 Lisa A Hazen 35	1:28.62 Sally Newland 39	28.33 Beth Knight 40	35.67 Barbara Fewer 40
9:46.37 Margee M Curran 38	1:28.96 Leslie Cooper 39	29.50 Sand Neilson-Bell 43	35.85 Beth Knight 40
9:52.80 June Ford 36	• 200 M. BREASTSTROKE	29.58 Karen Morrison 41	36.36 Sand Neilson-Bell 43
10:05.58 Charlott Petersen 35	2:47.55 CAROLINE KRATTLI 99	30.00 Melinda Schmitt 41	36.39 Judy Tibma 43
10:09.67 Caroline Krattli 37	2:47.55 Caroline Krattli 37	30.40 Grace Goddard 40	36.45 Tracy Grilli 42
10:12.83 Penny Leach 36	3:04.22 Susan Richmond 38	30.45 Lori Payne 40	• 100 M. BACKSTROKE
10:30.08 Amy Pope 39	3:08.27 Maud Orlando 37	30.59 Leslie A Ulen 42	1:11.03 LAURA VAL 92
10:36.21 Mary Dore 36	3:09.77 Lisa Kuwahara 36	30.76 Tricia Moses 40	1:12.37 Zena Courtney 40
• 1500 M. FREESTYLE	3:12.27 Gina Marie Gatti 36	30.99 Wendy Ryan 42	1:13.54 Judith Lallier 40
17:59.12 BETH KNIGHT 94	3:14.81 Penny Bates 38	31.06 Nancy Kryka 44	1:16.27 Sharon Wencel 40
18:09.36 Lisa A Hazen 35	3:14.87 Robin Paine 35	• 100 M. FREESTYLE	1:17.15 B Ballard Fewer 40
18:13.15 K Pipes-Neilsen 37	3:15.57 Beth Scheimann 37	1:00.63 S NEILSON-BELL 96	1:18.09 Laurie Alioto 41
19:05.22 Charlott Petersen 35	3:15.62 Ellen Ferguson 37	1:04.41 Suzann Heim-Bowen 41	1:19.63 Katherine Branch 42
19:09.36 June Ford 37	3:16.92 Karen Kaskinen 38	1:04.71 Melinda Schmitt 41	1:19.78 Mary Chris Curl 42
19:16.27 Caroline Krattli 37	• 50 M. BUTTERFLY	1:04.84 Wendy Weil 41	1:20.57 Charlene O'Brien 43
19:41.76 Penny Leach 36	28.32 TRACIE MOLL 99	1:05.11 Barbara Crowder 42	1:20.92 Michele Devitt 42
19:50.47 Amy Pope 39	28.32 Tracie Moll 36	1:06.50 Lori Payne 40	1:21.10 Suzann Heim-Bowen 40
20:10.14 Marcia Cleveland 35	29.57 K Pipes-Neilsen 37	1:06.73 Janet Warren 40	• 200 M. BACKSTROKE
20:21.84 Andrea Funk 36	29.71 Beth Baker 38	1:06.76 Karen Morrison 41	2:34.18 ZENA COURTNEY 99
20:26.06 Randi Anderson 38	31.15 Caroline Krattli 37	1:07.46 Sand Neilson-Bell 43	2:34.18 Zena Courtney 40
• 50 M. BACKSTROKE	31.20 Andrea Block 38	1:07.80 Marguerite Meyer 40	2:39.05 Judith Lallier 40
31.43 K PIPES-NEILSEN 99	31.47 Robyn Vaughn 35	1:07.97 Andrea Nauta 40	2:46.21 Katherine Branch 42
31.31 K Pipes-Neilsen 37NV	31.80 Lisa Ward 35	• 200 M. FREESTYLE	2:46.32 Laurie Alioto 41
32.72 Beth Baker 38	32.01 Penny Leach 36	2:14.14 S HEIM-BOWEN 99	2:46.45 Barbara Fewer 40
32.88 Lisa Ward 35	32.48 Barbara Harris 39	2:14.14 S Heim-Bowen 41	2:47.03 Patty Landers 42
33.70 Caroline Krattli 37	32.49 Caren Mc Namara 39	2:17.04 Beth Knight 40	2:47.96 Sharon Wencel 40
34.82 Laura Dissington 35	• 100 M. BUTTERFLY	2:22.22 Wendy Weil 41	2:52.55 Mary Chris Curl 42
34.85 V Swanson 38	1:03.79 TRACIE MOLL 99	2:23.40 Lori Payne 40	2:53.01 Michele Devitt 42
34.96 Monica Bailey 38	1:03.79 Tracie Moll 36	2:23.62 Barbara Crowder 42	2:54.54 Charlene O'Brien 43
35.64 Andrea Funk 36	1:06.21 K Pipes-Neilsen 37	2:28.93 Sharon Wencel 40	• 50 M. BREASTSTROKE
35.86 Trischa Zorn 35	1:07.10 Jill Hernandez 39	2:29.59 Mindy A Hamway 40	36.89 MELINDA MANN 99
37.47 Annette Chinn 37	1:07.36 Beth Baker 38	2:29.73 Andrea Nauta 40	36.89 Melinda Mann 43
• 100 M. BACKSTROKE	1:08.89 Andrea Block 38	2:29.76 Jean Bancks 43	38.44 Judy Tibma 43
1:05.41 K PIPES-NEILSEN 97	1:12.19 Caroline Krattli 37	2:30.15 Tracy Grilli 42	38.97 Pamela Rogers 42
1:07.02 K Pipes-Neilsen 37	1:12.67 Lisa A Ward 35		39.73 Cokie Lepinski 40

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

40.26 Beth Knight 40	2:51.76 Cokie Lepinski 40	20:43.65 Danielle Ogier 47	3:27.47 Linda Carstens 47
40.33 Jill Whitney 42	■ 400 M. INDIVIDUAL MEDLEY 93	21:34.59 Karlene Wise 46	3:31.92 A Wright-Belknap 49
40.54 Wendy Ryan 42	5:39.70 LAURA VAL 41	21:52.65 M Windrath 46	3:33.26 Jessica Seaton 46
40.87 Becky Oblatz 40	5:40.34 S Heim-Bowen 41	21:55.06 N Steadman-Martin 45	3:34.95 Katherine K Bass 47
41.03 C Gettelfinger 42	5:47.51 Zena Courtney 40	22:28.65 R Brittingham 47	■ 50 M. BUTTERFLY 87
41.16 C Lynne Anderson 40	5:51.36 Laurie Alioto 41	22:30.75 Cynthia Jones 49	30.74 ARDETH MUELLER 87
■ 100 M. BREASTSTROKE 99	5:53.51 Lori Payne 40	23:14.18 Pam Geiger 47	31.82 Penny Noyes 45
1:21.23 MELINDA MANN 43	5:53.96 Charlene O'Brien 43	24:24.87 Lisa Watson 45	32.05 Debbie Glassman 46
1:21.23 Melinda Mann 43	6:01.04 Michele Devitt 42	24:55.19 Linda Kaiser 48	33.10 Karlene Wise 46
1:25.77 Judy Tibma 43	6:04.17 Mary Chris Curl 42	25:15.25 M L Kinnison 49	33.27 Cynthia Maltry 45
1:26.24 Cokie Lepinski 40	6:08.24 Marguerite Meyer 40	■ 50 M. BACKSTROKE 97	33.46 C Stonesifer 47
1:26.79 Pamela Rogers 42	6:11.13 Barbara Krause 40	32.93 LAURA VAL 47	33.95 R Brittingham 48
1:28.78 Jill Whitney 42	6:21.24 Jo Ann Harrelson 43	33.87 Penny Noyes 45	34.12 Jan Miller 49
1:29.99 Becky Oblatz 40		34.96 Ann Guins 46	34.12 Krissy MacCurdy 47
1:30.71 Mary Chris Curl 42	<u>WOMEN 45-49</u>	35.24 Karlene Wise 46	34.20 Robin Parisi 45
1:32.02 C Gettelfinger 42		36.51 Carol Pflugheber 46	34.20 Carol Pflugheber 46
1:32.51 Tricia Moses 40	■ 50 M. FREESTYLE 98	36.79 Jan Miller 49	■ 100 M. BUTTERFLY 98
1:32.77 Jo Ann Harrelson 43	28.30 JACKI HIRSTY 47	36.91 Danielle Ogier 47	1:08.02 LAURA VAL 45
■ 200 M. BREASTSTROKE 93	28.58 Penny Noyes 45	37.46 C Stonesifer 47	1:14.50 Susan Skiff 46
2:59.24 GAYLE BENTY 43	28.84 Jacki Hirsty 47	37.56 Cynthia Maltry 45	1:15.96 Debbie Glassman 46
3:01.89 Melinda Mann 43	29.00 Laura B Val 47	37.73 Nancy Surdoval 46	1:16.34 Krissy MacCurdy 47
3:03.11 Judy Tibma 43	29.38 C Stonesifer 47	37.76 Denise Kirwan 47	1:17.78 C Stonesifer 47
3:10.41 Cokie Lepinski 40	29.42 Karlene Wise 46	■ 100 M. BACKSTROKE 97	1:19.85 Robin Parisi 45
3:11.77 Becky Oblatz 40	29.71 Debbie Glassman 46	1:12.70 LAURA VAL 47	1:20.79 Jonelle Schmidt 48
3:15.55 Jo Ann Harrelson 43	30.70 R Brittingham 48	1:15.14 Laura B Val 47	1:21.11 Karlene Wise 45
3:16.34 C Lynne Anderson 40	31.47 Ann Guins 46	1:16.44 Penny Noyes 45	1:22.88 Terry-Sue Gault 49
3:19.64 Jill Whitney 42	31.67 Cynthia Jones 49	1:17.93 Karlene Wise 46	1:23.60 R Brittingham 48
3:19.67 Barbara Krause 40	31.70 Heidi Ernst 47	1:19.66 Ann Guins 46	1:23.69 Jan Miller 49
3:19.68 C Gettelfinger 42	■ 100 M. FREESTYLE 98	1:20.57 Jan Miller 49	■ 200 M. BUTTERFLY 98
3:20.55 Kathleen Pearson 42	1:02.75 LAURA VAL 47	1:21.43 Marilyn Fink 45	2:31.37 LAURA VAL 45
■ 50 M. BUTTERFLY 94	1:03.32 Laura B Val 47	1:21.64 Teri Hendryx 46	2:53.42 Susan Skiff 46
29.89 LAURA VAL 43	1:04.08 Penny Noyes 47	1:22.77 Cynthia Maltry 45	2:55.97 Debbie Glassman 48
31.52 Melinda Mann 43	1:05.02 Jacki Hirsty 46	1:22.99 Robin Parisi 47	3:04.06 Jonelle Schmidt 45
31.75 Charlene O'Brien 43	1:06.05 Danielle Ogier 46	1:23.32 Denise Kirwan 47	3:05.40 N Steadman-Martin 45
32.06 Beth Knight 40	1:06.18 Karlene Wise 46	■ 200 M. BACKSTROKE 95	3:06.53 Teri Hendryx 46
32.11 Barbara Crowder 42	1:06.98 Susan Skiff 46	2:42.60 CECILIA MCCLOSKEY 46	3:20.07 Cheryl Fitzgerald 49
32.52 Karen Morrison 41	1:07.82 Debbie Glassman 48	2:49.64 Karlene Wise 47	3:20.30 Catherine Quill 49
32.80 Leslie A Ulen 42	1:08.04 R Brittingham 47	2:52.48 Denise Kirwan 46	3:25.88 Darlene Staley 45
32.98 Stephanie Rollins 44	1:08.34 C Stonesifer 47	2:53.51 Danielle Ogier 46	3:28.37 Amy Miner Ross 45
33.63 Zena Courtney 40	1:09.32 Denise Kirwan 47	2:58.29 Teri Hendryx 49	3:45.54 Mary B Windrath 46
33.72 Judy Tibma 43	■ 200 M. FREESTYLE 98	2:58.94 Jan Miller 45	■ 200 M. INDIVIDUAL MEDLEY 97
33.73 Wendy Weil 41	2:17.12 LAURA VAL 47	2:59.48 N Steadman-Martin 45	2:40.95 LAURA VAL 47
33.73 Suzann Heim-Bowen 41	2:24.08 Danielle Ogier 47	3:00.31 Cynthia Maltry 46	2:43.81 Danielle Ogier 45
■ 100 M. BUTTERFLY 92	2:24.86 Jacki Hirsty 45	3:02.39 Ann Guins 45	2:50.64 Penny Noyes 45
1:06.27 LAURA VAL 43	2:31.11 Penny Noyes 47	3:04.84 Beverly Amick 47	2:53.71 Cynthia Maltry 45
1:10.72 Charlene O'Brien 41	2:31.30 Heidi Ernst 48	3:07.41 S Lee-Sheridan 47	2:55.09 Krissy MacCurdy 45
1:12.59 Suzann Heim-Bowen 41	2:31.41 Deb Walker 47	■ 50 M. BREASTSTROKE 94	2:57.03 Robin Parisi 47
1:12.65 Melinda Mann 42	2:33.04 Denise Kirwan 45	36.97 SUSAN ROY 46	2:57.04 C Stonesifer 46
1:13.19 Barbara Crowder 41	2:34.26 Karlene Wise 47	39.34 Danielle Ogier 48	3:01.35 Patricia Mattson 45
1:13.96 Wendy Weil 41	2:35.22 R Brittingham 46	39.35 Deb Walker 47	3:01.39 Marilyn Fink 45
1:15.06 Michele Devitt 42	2:37.14 Patricia Mattson 49	39.66 Krissy MacCurdy 46	3:01.49 Karlene Wise 45
1:15.35 Laurie Alioto 41	2:39.77 Cynthia Jones 49	41.14 Marcie Woodrow 46	3:04.00 Patricia Sargeant 46
1:15.44 Zena Courtney 40	■ 400 M. FREESTYLE 97	41.19 Mary Anderson 46	■ 400 M. INDIVIDUAL MEDLEY 98
1:16.11 Leslie A Ulen 42	4:56.06 LAURA VAL 47	41.19 A Wright-Belknap 47	5:47.17 DANIELLE OGIER 46
1:18.57 Karen Morrison 41	5:05.56 Jacki Hirsty 46	41.42 Elizabeth Cutter 46	5:50.73 Danielle Ogier 46
■ 200 M. BUTTERFLY 99	5:09.50 Danielle Ogier 47	42.24 Patricia Mattson 49	6:18.14 Patricia Mattson 46
2:32.14 S HEIM-BOWEN 41	5:19.32 Heidi Ernst 48	42.74 Holly MacMurray 46	6:24.74 Teri Hendryx 48
2:32.14 S Heim-Bowen 41	5:19.88 Deb Walker 45	42.83 C Richardson 46	6:27.20 Jonelle Schmidt 45
2:42.62 Laurie Alioto 42	5:26.13 N Steadman-Martin 45	■ 100 M. BREASTSTROKE 94	6:30.51 N Steadman-Martin 47
2:50.62 Michele Devitt 42	5:27.02 Karlene Wise 46	1:22.27 SUSAN ROY 48	6:42.86 S Lee-Sheridan 47
2:51.67 Charlene O'Brien 40	5:28.67 Patricia Mattson 45	1:25.90 Deb Walker 47	6:48.11 Cheryl Fitzgerald 49
2:54.51 Barbara Krause 42	5:34.47 Beverly Amick 48	1:28.60 Krissy MacCurdy 47	6:50.46 Catherine Quill 49
2:59.15 Pam Martin 42	5:36.81 R Brittingham 46	1:30.25 Danielle Ogier 47	6:50.61 R Brittingham 47
3:07.97 Pam Beck 42	5:38.10 M Windrath 46	1:30.76 Elizabeth Cutter 47	7:01.43 Sherry Kittrell 47
3:09.89 Jo Ann Harrelson 42	■ 800 M. FREESTYLE 98	1:31.53 Denise Kirwan 46	
3:14.33 Jane K Burks 44	10:08.23 LAURA VAL 47	1:32.36 Teri Hendryx 46	<u>WOMEN 50-54</u>
3:16.44 Kitten Braaten 44	11:01.66 Danielle Ogier 48	1:32.47 Mary Anderson 46	■ 50 M. FREESTYLE 93
■ 200 M. INDIVIDUAL MEDLEY 96	11:25.09 R Brittingham 49	1:32.57 Patricia Mattson 49	29.33 ARDETH MUELLER 51
2:38.18 S NEILSON-BELL 40	11:30.38 Cynthia Jones 48	1:33.76 A Wright-Belknap 49	32.03 F Williamson 51
2:41.04 Beth Knight 43	11:32.82 Jonelle Schmidt 45	1:34.58 Holly MacMurray 49	33.43 Kathrine Casey 51
2:42.37 Melinda Mann 40	11:32.85 N Steadman-Martin 46	■ 200 M. BREASTSTROKE 97	33.48 Marcia Barry 52
2:44.99 Lori Payne 42	11:35.84 Karlene Wise 46	3:01.69 DEB WALKER 48	33.63 Lynn Cartee 52
2:46.65 Barbara Crowder 42	11:38.12 M Windrath 47	3:07.46 Deb Walker 47	33.72 Linda McHenry 51
2:47.32 Mary Chris Curl 42	11:42.11 Sherry Kittrell 47	3:11.90 Krissy MacCurdy 47	34.52 A Susan Tyler 51
2:48.25 Janet Warren 40	11:43.29 Karen Bierwert 47	3:15.85 Elizabeth Cutter 46	34.60 Barbara G Dunbar 50
2:49.60 Charlene O'Brien 43	11:47.32 Lynn Silver 47	3:17.02 Patricia Mattson 46	34.69 Janet Gettling 51
2:51.50 Judy Tibma 43	■ 1500 M. FREESTYLE 98	3:19.31 Mary Anderson 46	34.75 Sandi Rousseau 52
2:51.75 Sand Neilson-Bell 43	19:26.97 LAURA VAL 47	3:24.28 Teri Hendryx 46	

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34.77 Linda Shoenberger 52	1:30.35 Ellen J Rockholm 50	1:34.66 Kathrine Casey 51	5:43.68 Nancy Ridout 57
• 100 M. FREESTYLE	1:30.45 Andrea Haines 51	• 200 M. BUTTERFLY	5:55.59 Jackie Marr 56
1:07.42 ARDETH MUELLER 92	1:31.31 Jeannie Mitchell 53	2:44.93 BARBARA DUNBAR 99	6:19.57 Barbara Frid 57
1:10.28 F Williamson 51	1:31.49 Kathrine Casey 51	2:44.93 Barbara G Dunbar 50	6:22.91 Susan J Allen 55
1:11.78 Barbara G Dunbar 50	1:31.97 Lynn Cartee 52	3:30.55 Margot Pettijohn 53	6:29.73 Sue Calnek-Morris 56
1:12.80 Marcia Barry 51	1:32.33 S Walsh Beil 50	3:34.47 Kathrine Casey 51	6:39.25 Pamela Himstreet 56
1:15.78 Kathrine Casey 51	1:35.20 Alice Adams 53	3:39.24 Sandi Rousseau 52	6:40.74 Lynne Lund 59
1:17.15 Barbara Bos 50	• 200 M. BACKSTROKE	3:42.08 Sandra Cathey 50	6:41.37 Irene David 55
1:17.27 Lynn Cartee 52	3:01.07 BETSY JORDAN 87	3:43.52 Marji Thomas-Will 51	6:44.51 Susan Meyers 57
1:17.75 Linda McHenry 52	3:07.32 Ellen J Rockholm 51	3:46.63 Mary Pohlmann 54	6:49.27 Beth Schreiner 58
1:18.71 Ruth Bennett 53	3:10.06 Mary Pohlmann 54	3:47.90 Barbara Larsen 52	• 800 M. FREESTYLE
1:19.02 Meegan Wilson 51	3:11.33 Marti Betz 50	4:01.32 Marie Vellucci 50	11:15.07 ARDETH MUELLER 97
1:19.12 Linda Shoenberger 52	3:13.97 Marcia Barry 51	4:18.60 Martha C Campbell 50	12:13.28 Jackie Marr 56
• 200 M. FREESTYLE	3:14.05 Kathrine Casey 51	• 200 M. INDIVIDUAL MEDLEY	12:38.57 Sarah L Brougher 58
2:28.11 BARBARA DUNBAR 99	3:15.89 Andrea Haines 51	2:53.40 CAROLYN BOAK 95	12:52.81 Barbara Frid 57
2:28.11 Barbara G Dunbar 50	3:17.19 Jeannie Mitchell 53	2:54.91 Barbara G Dunbar 50	13:08.56 Sue Calnek-Morris 56
2:35.64 F Williamson 51	3:23.18 Jane Gram 53	3:08.58 S Walsh Beil 50	13:34.22 Pamela Himstreet 56
2:36.69 Marcia Barry 51	3:23.27 Lynn Cartee 52	3:11.14 Lynn Cartee 52	13:52.28 Tita Arnold 58
2:47.20 Jeannette Bauer 50	3:25.09 Linda Shoenberger 52	3:11.46 Kathrine Casey 51	14:19.91 Rosalyn Schanzer 57
2:47.82 Barbara Bos 50	• 50 M. BREASTSTROKE	3:16.62 Marcia Barry 51	14:41.90 Jennifer Parks 56
2:49.07 Linda McHenry 52	39.82 CAROLYN BOAK 96	3:16.69 Marti Betz 50	14:55.82 Carol Smollen 55
2:50.44 Linda Shoenberger 52	41.70 Meegan Wilson 51	3:21.17 Linda McHenry 52	15:24.77 Val Lueken 56
2:51.48 Nancy Miller 50	42.90 Janet Gettling 51	3:22.97 Kat Clark 50	• 1500 M. FREESTYLE
2:52.37 Lynn Cartee 52	42.92 Margot Pettijohn 53	3:23.27 Janet Gettling 51	21:09.91 ARDETH MUELLER 97
2:52.94 Kathrine Casey 51	43.06 Lynn Cartee 52	3:24.72 Jane Gram 53	24:01.66 Barbara Frid 57
• 400 M. FREESTYLE	44.32 Kathrine Casey 51	• 400 M. INDIVIDUAL MEDLEY	24:04.65 Carol Jewell 57
5:11.22 BARBARA DUNBAR 99	45.13 Candy Christenson 52	6:03.12 BARBARA DUNBAR 99	24:28.85 Sue Calnek-Morris 56
5:11.22 Barbara G Dunbar 50	45.21 Chris Clum 53	6:03.12 Barbara G Dunbar 50	25:59.97 Pamela Himstreet 56
5:28.64 Marcia Barry 51	45.55 S Walsh Beil 50	6:55.22 Kathrine Casey 51	26:41.24 Lynne Lund 58
5:28.96 F Williamson 51	45.69 Franci Williamson 51	7:09.19 Marji Thomas-Will 52	26:59.50 Beth Schreiner 58
5:47.38 Jeannette Bauer 50	45.72 Nancy Miller 50	7:14.01 Janet Gettling 51	27:54.08 Jennifer Parks 56
5:56.48 Kathrine Casey 51	• 100 M. BREASTSTROKE	7:15.65 Sandra Cathey 50	28:16.85 Carol Smollen 55
5:57.49 Barbara Bos 50	1:28.83 JOANN LEILICH 90	7:16.98 Margot Pettijohn 53	30:30.00 Nancy Lowden 57
6:06.58 Nancy Miller 50	1:33.82 Meegan Wilson 51	7:21.48 Mary Pohlmann 54	31:05.42 Val Lueken 56
6:11.42 Lynn Cartee 52	1:34.18 Margot Pettijohn 53	7:27.37 Christin Zimmet 51	• 50 M. BACKSTROKE
6:16.92 Janet Gettling 51	1:36.75 F Williamson 51	7:30.08 Jeannie Mitchell 52	37.30 BETSY JORDAN 92
6:18.25 Meegan Wilson 51	1:38.51 Janet Gettling 51	7:42.16 Andrea Haines 51	40.72 Barbara Frid 57
• 800 M. FREESTYLE	1:38.58 Lynn Cartee 52		41.16 Betty Bennett 56
10:43.90 BARBARA DUNBAR 99	1:39.49 S Walsh Beil 50	WOMEN 55-59	41.53 Joy Ward 57
10:43.90 Barbara G Dunbar 50	1:39.66 Chris Clum 53	• 50 M. FREESTYLE	42.50 Jane Katz 56
11:18.49 Marcia Barry 51	1:40.18 Jeannette Bauer 50	30.83 ARDETH MUELLER 97	44.92 Carol Adams 56
11:29.41 F Williamson 51	1:41.68 Kathrine Casey 51	31.16 Nancy Ridout 57	45.23 Chris Gilligan 56
12:14.65 Kathrine Casey 51	1:41.89 Alice Adams 53	33.06 Joy Ward 57	46.12 Rebeccah Jones 56
12:25.18 Barbara Bos 50	• 200 M. BREASTSTROKE	34.16 Beth Schreiner 58	46.19 Lynne Lund 59
12:37.37 Janet Gettling 51	3:15.41 CAROLYN BOAK 95	34.17 Irene David 55	46.64 Susan J Allen 55
12:48.38 Mary Pohlmann 54	3:23.69 Margot Pettijohn 53	34.34 Barbara Frid 57	46.95 Susan Meyers 57
13:00.18 Myriam Pero 50	3:24.72 Meegan Wilson 51	36.01 Anne Botsford 56	• 100 M. BACKSTROKE
13:03.04 Betty Veater 53	3:35.84 Chris Clum 53	36.69 Sue Calnek-Morris 56	1:21.42 BETSY JORDAN 92
13:03.15 Marji Thomas-Will 52	3:39.00 Kathrine Casey 51	36.87 Nancy Brooks 57	1:30.84 Betty Bennett 56
• 1500 M. FREESTYLE	3:40.54 Alice Adams 53	36.95 Susan Meyers 57	1:31.15 Joy Ward 57
20:22.69 BARBARA DUNBAR 99	3:41.32 Lynn Cartee 52	38.16 Kathleen Danford 55	1:33.25 Barbara Frid 57
20:22.69 Barbara G Dunbar 50	3:43.42 Sandra Cathey 50	• 100 M. FREESTYLE	1:34.11 Jane Katz 56
21:30.39 Marcia Barry 51	3:45.67 Dempsey Dybdahl 50	1:11.18 ARDETH MUELLER 97	1:37.85 Chris Gilligan 56
23:09.32 Jeannette Bauer 50	3:46.10 Barbara Bos 50	1:12.12 Nancy Ridout 57	1:42.73 Betsy Durrant 58
23:16.75 Barbara Bos 50	3:47.62 Stephanie I Scott 52	1:14.42 Jackie Marr 56	1:42.78 Carol Adams 57
23:56.03 Vicki Barnes 52	• 50 M. BUTTERFLY	1:17.02 Joy Ward 57	1:42.97 Lynne Lund 58
24:21.96 Kathrine Casey 51	31.69 ARDETH MUELLER 93	1:18.24 Carol Jewell 57	1:43.73 Rebeccah Jones 56
24:35.21 Janet Gettling 51	35.05 Barbara G Dunbar 50	1:18.33 Barbara Frid 57	1:49.22 Joyce Daugherty 55
24:43.90 Mary Pohlmann 54	35.47 Ellen J Rockholm 51	1:20.69 Beth Schreiner 58	• 200 M. BACKSTROKE
25:01.55 Myriam Pero 50	35.96 Sandi Rousseau 52	1:20.97 Irene David 55	2:59.18 BETSY JORDAN 92
25:09.49 Andrea Haines 51	36.56 A Susan Tyler 51	1:21.40 Susan Meyers 57	3:18.31 Sarah L Brougher 58
• 50 M. BACKSTROKE	37.57 Lynn Cartee 52	1:22.63 Sue Calnek-Morris 56	3:19.44 Betty Bennett 56
37.62 BETSY JORDAN 91	38.31 Margot Pettijohn 53	1:24.31 Lynne Lund 59	3:19.45 Jane Katz 56
39.17 Marti Betz 50	38.31 Kat Clark 50	• 200 M. FREESTYLE	3:20.23 Jackie Marr 55
39.92 Ellen J Rockholm 51	38.44 Janet Gettling 51	2:34.88 ARDETH MUELLER 97	3:22.25 Joy Ward 57
40.39 Marcia Barry 51	38.63 Kathrine Casey 51	2:42.42 Nancy Ridout 57	3:29.79 Barbara Frid 57
40.96 Lynn Cartee 52	40.58 Franci Williamson 51	2:46.98 Jackie Marr 56	3:31.69 Chris Gilligan 56
41.10 Janet Gettling 51	• 100 M. BUTTERFLY	2:57.40 Barbara Frid 57	3:32.13 Betsy Durrant 58
41.31 Mary Pohlmann 54	1:13.86 ARDETH MUELLER 93	2:59.59 Carol Jewell 57	3:36.45 Lynne K Lund 59
41.50 Jeannie Mitchell 53	1:15.91 Barbara G Dunbar 50	3:02.92 Joy Ward 57	3:38.46 Susan Meyers 57
41.80 Kat Clark 50	1:24.99 Ellen J Rockholm 51	3:09.29 Sue Calnek-Morris 56	• 50 M. BREASTSTROKE
42.13 S Walsh Beil 50	1:28.09 A Susan Tyler 51	3:10.26 Lynne K Lund 59	39.91 JAYNE BRUNER 91
42.73 Jane Gram 53	1:29.36 B Walsh 50	3:10.48 Beth Schreiner 58	43.20 Daniela Barnea 55
• 100 M. BACKSTROKE	1:30.91 Margot Pettijohn 53	3:12.70 Pamela Himstreet 56	44.83 Nancy Brooks 57
1:23.29 BETSY JORDAN 91	1:31.11 Lynn Cartee 52	3:12.96 Betsy Durrant 58	46.35 Barbara Frid 57
1:27.13 Marti Betz 50	1:31.75 Sandi Rousseau 52	• 400 M. FREESTYLE	47.38 Mary Mead 58
1:29.09 Marcia Barry 51	1:32.16 Janet Gettling 51	5:25.59 ARDETH MUELLER 97	47.42 Betsy Durrant 58
1:29.46 Mary Pohlmann 54	1:34.42 Christin Zimmet 51		48.10 Joyce Daugherty 55

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

48.12 Susan Meyers 57	9:04.17 Roswita Norris 57	38.76 BETSY JORDAN 97	45.58 Midge S Kraetzer 60
48.38 Kathleen Danford 55	9:27.80 Kitty Johnston 57	40.54 Betsy Jordan 62	48.25 Claire O'Brien 60
48.92 Carol Adams 56		45.29 Nancy Brown 63	49.15 Patricia Tullman 62
49.34 Jackie Marr 55	<u>WOMEN 60-64</u>	46.52 Beverly Myers 64	50.49 Jean Sterling 63
• 100 M. BREASTSTROKE		47.07 Claire O'Brien 60	51.58 Helen Bayly 62
1:29.88 JAYNE BRUNER 92	• 50 M. FREESTYLE	48.51 Susan Livingston 61	• 100 M. BUTTERFLY
1:35.48 Daniela Barnea 55	32.77 JAYNE BRUNER 95	48.52 Barbara Zaremski 62	1:31.34 JAYNE BRUNER 96
1:40.18 Nancy Brooks 57	34.97 Jayne Lambke 60	49.21 Margit Jebe 61	1:35.82 Betsy Jordan 62
1:42.11 Barbara Frid 57	35.22 Barbara Zaremski 62	49.24 Patricia Tullman 62	1:36.56 Sally Bolar 60
1:45.92 Betsy Durrant 58	35.67 Jeanne Little 62	49.28 Marian Coakley 62	1:39.63 Jayne Lambke 60
1:47.14 Francesca Drum 58	35.90 Johnnie Detrick 64	50.10 Sally Newell 62	1:45.07 Margit Jebe 61
1:47.79 Carol Adams 56	36.95 Nancy Brown 63	• 100 M. BACKSTROKE	1:52.75 Midge S Kraetzer 60
1:48.62 Pamela Himstreet 56	37.01 Sally Bolar 60	1:24.45 BETSY JORDAN 97	1:54.52 Patricia Tullman 62
1:48.63 Joyce Daugherty 55	37.17 Sally Newell 62	1:29.96 Betsy Jordan 62	1:59.63 Carolyn Schwab 61
1:50.39 Lynne Lund 59	37.20 Susanne Schumann 62	1:40.15 Beverly Myers 64	2:01.44 Jeanne Little 62
1:51.58 Susan Meyers 57	38.30 Claire O'Brien 60	1:42.18 Diane Stowell 64	2:06.69 Ann Johnsen 63
• 200 M. BREASTSTROKE	38.66 Betsy T Jordan 62	1:44.80 Susan Livingston 61	2:07.03 Barbara Zaremski 62
3:19.16 JOANN LEILICH 98	• 100 M. FREESTYLE	1:47.61 Judy Kennedy 62	• 200 M. BUTTERFLY
3:23.29 Daniela Barnea 55	1:14.69 JAYNE BRUNER 94	1:48.69 Shirley Dacey 63	3:32.87 GAIL ROPER 90
3:40.02 Nancy Brooks 57	1:19.52 Jayne Lambke 60	1:48.91 Jayne Lambke 60	3:44.44 Sally Bolar 60
3:46.18 Pamela Himstreet 56	1:21.14 Barbara Zaremski 62	1:49.47 Patricia Bond 61	3:45.56 Betsy Jordan 62
3:50.38 Francesca Drum 58	1:23.79 Sally Bolar 60	1:49.77 Patricia Tullman 62	3:52.04 Margit Jebe 61
3:54.07 Joyce Daugherty 55	1:24.23 Claire O'Brien 60	1:50.73 Barbara Zaremski 62	3:56.31 Susan Livingston 61
3:55.78 Betsy Durrant 58	1:24.31 Diane Stowell 64	• 200 M. BACKSTROKE	4:03.75 Elizabeth Johnson 60
3:56.97 Lynne Lund 59	1:24.58 Jeanne Little 62	3:06.23 BETSY JORDAN 97	4:22.34 Midge S Kraetzer 60
4:07.51 Bunny Adler 55	1:24.90 Susanne Schumann 62	3:17.09 Betsy Jordan 62	4:24.65 Jeanne Little 62
4:12.54 Sharon Whitcomb 56	1:27.60 Sally Newell 62	3:36.23 Susan Livingston 61	4:27.91 Barbara Zaremski 62
4:14.18 Roswita D Norris 56	1:28.21 Johnnie Detrick 64	3:39.86 Beverly Myers 64	4:30.38 Jeannine Olson 60
• 50 M. BUTTERFLY	1:29.66 Patricia Tullman 62	3:50.33 Patricia Bond 61	4:33.58 Sara J Snoek 61
34.43 JOY WARD 99	• 200 M. FREESTYLE	3:54.31 Barbara Zaremski 62	• 200 M. INDIVIDUAL MEDLEY
34.43 Joy Ward 57	2:43.83 LAVELLE STOINOFF 93	3:54.56 Shirley Dacey 63	3:15.48 BETSY JORDAN 97
35.65 Nancy Ridout 57	2:58.68 Claire O'Brien 60	3:56.24 Patricia Tullman 62	3:24.27 Betsy Jordan 62
35.98 Barbara Frid 57	2:58.92 Jayne Lambke 60	3:56.48 Judy Kennedy 62	3:32.56 Margit Jebe 61
36.17 Sarah L Brougner 58	3:02.12 Nancy Brown 63	3:59.70 Susan Springer 60	3:32.95 Beverly Myers 64
37.06 Carol Jewell 57	3:02.16 Barbara Zaremski 62	4:07.86 Midge S Kraetzer 60	3:35.89 Jayne Lambke 60
37.83 Irene David 55	3:05.31 Betsy Jordan 62	• 50 M. BREASTSTROKE	3:39.60 Claire O'Brien 60
39.91 Anne Botsford 56	3:05.60 Diane Stowell 64	41.43 JAYNE BRUNER 98	3:46.94 Sally Bolar 60
40.35 Kathleen Danford 55	3:06.66 Sally Bolar 60	42.98 Joann Leilich 60	3:50.92 Barbara Zaremski 62
40.52 Daniela Barnea 55	3:12.59 Jeanne Little 62	46.49 Sally Newell 62	3:58.96 Patricia Bond 61
40.70 Jackie Marr 55	3:15.37 Patricia Tullman 62	48.43 Elizabeth Johnson 60	3:59.62 Elizabeth Johnson 60
• 100 M. BUTTERFLY	3:20.28 Patricia Bond 61	48.63 Margit Jebe 61	4:00.99 Jean Sterling 62
1:21.91 ARDETH MUELLER 97	• 400 M. FREESTYLE	48.63 Ann Johnsen 63	• 400 M. INDIVIDUAL MEDLEY
1:26.03 Nancy Ridout 57	5:47.52 LAVELLE STOINOFF 93	48.90 Susanne Schumann 62	6:59.45 CLARA WALKER 86
1:34.05 Irene David 55	6:12.42 Claire O'Brien 60	49.64 Beverly Myers 64	7:25.07 Betsy Jordan 62
1:35.02 Carol Jewell 57	6:25.33 Jayne Lambke 60	50.12 Jacquelyn Piper 62	7:43.95 Jayne Lambke 60
1:37.55 Anne Botsford 56	6:25.52 Nancy Brown 63	51.19 Jean Sterling 63	7:54.61 Sally Bolar 60
1:42.78 Susan J Allen 55	6:38.93 Betsy Jordan 62	51.23 Johnnie Detrick 64	7:59.12 Susan Livingston 61
1:47.04 Kathleen Danford 55	6:40.76 Sally Bolar 60	• 100 M. BREASTSTROKE	8:04.22 Elizabeth Johnson 60
1:49.37 Joy Ward 57	7:04.50 Barbara Zaremski 62	1:32.37 JOANN LEILICH 99	8:16.65 Barbara Zaremski 62
1:52.29 Pamela Himstreet 56	7:05.28 Patricia Bond 61	1:32.37 Joann Leilich 60	8:46.73 Shirley Dacey 63
1:54.76 Ann Louise Onton 56	7:06.84 Shirley Dacey 63	1:42.83 Sally Newell 62	8:49.80 Ingrid Stine 60
1:56.45 Joyce Kowalski 57	7:09.24 P Tullman 62	1:43.66 Margit Jebe 61	8:53.20 Margaret Franco 61
• 200 M. BUTTERFLY	7:13.46 Kate Knight-Perry 64	1:44.53 Diane Stowell 64	8:53.70 Patricia Arnold 60
3:19.84 GAIL ROPER 85	• 800 M. FREESTYLE	1:47.19 Susanne Schumann 62	
3:47.27 Susan J Allen 55	12:01.79 LAVELLE STOINOFF 94	1:47.67 Beverly Myers 64	<u>WOMEN 65-69</u>
3:51.66 Irene David 55	12:55.90 Claire O'Brien 60	1:49.96 Elizabeth Johnson 60	• 50 M. FREESTYLE
4:01.44 Pamela Himstreet 56	13:05.03 Betsy Jordan 62	1:51.27 Jayne Lambke 60	34.17 GAIL ROPER 96
4:13.79 Ann Louise Onton 56	13:21.21 Jayne Lambke 60	1:53.10 Carolyn Schwab 61	35.71 Jayne Bruner 65
4:41.25 Lynne D Taft 57	14:02.24 Sally Bolar 60	1:54.29 Doris Prokopi 63	37.90 Lavelle Stoinoff 66
• 200 M. INDIVIDUAL MEDLEY	14:20.56 Joann Leilich 60	• 200 M. BREASTSTROKE	38.47 Ann Kay 65
3:06.11 JAYNE BRUNER 92	14:23.70 Barbara Zaremski 61	3:23.62 JOANN LEILICH 99	38.52 Diane Stowell 65
3:13.65 Carol Adams 56	14:24.77 Shirley Dacey 63	3:23.62 Joann Leilich 60	39.65 Ronnie Kamphausen 65
3:14.18 Jackie Marr 56	14:54.69 Elizabeth Johnson 60	3:44.88 Margit Jebe 61	40.54 Jean Garbus 65
3:21.54 Joy Ward 57	15:11.37 Kate Knight-Perry 64	3:53.01 Sally Newell 62	40.61 Barbara Merin 65
3:27.10 Daniela Barnea 55	15:23.57 Valerie Lyons 64	3:56.16 Beverly Myers 64	40.80 Lida Gaschke 67
3:35.38 Susan Meyers 57	• 1500 M. FREESTYLE	3:56.30 Elizabeth Johnson 60	41.06 Ardis Bourland 66
3:35.84 Lynne Lund 59	22:50.81 LAVELLE STOINOFF 95	3:56.34 Susanne Schumann 62	41.35 Diane Reed 68
3:40.29 Pamela Himstreet 56	24:55.97 Claire O'Brien 60	4:07.80 Carolyn Schwab 61	• 100 M. FREESTYLE
3:41.35 Tita Arnold 58	25:12.54 Diane Stowell 64	4:08.86 Ann Johnsen 63	1:16.84 CLARA WALKER 92
3:52.50 Marilyn A Ramey 59	25:34.74 Jayne Lambke 60	4:17.20 Anice Flesh 63	1:22.19 Lavelle Stoinoff 66
3:56.14 Joyce Kowalski 57	26:09.77 Betsy T Jordan 62	• 50 M. BUTTERFLY	1:25.73 Diane Stowell 65
• 400 M. INDIVIDUAL MEDLEY	26:28.52 Sally Bolar 60	38.10 JAYNE BRUNER 94	1:27.29 Ann Kay 65
6:42.05 GAIL ROPER 85	26:32.18 Jeanne Little 62	40.28 Jayne Lambke 60	1:32.23 Lida Gaschke 67
6:50.64 Jackie Marr 56	26:48.59 Barbara Zaremski 62	41.51 Betsy T Jordan 62	1:32.55 Diane Reed 68
7:23.29 Susan J Allen 55	27:07.12 Shirley Dacey 63	43.97 Beverly Myers 64	1:34.12 Jean Garbus 65
7:30.26 Lynne K Lund 59	27:30.00 Patricia Bond 62	44.57 Sally Bolar 60	1:34.69 Ann M Hirsch 68
7:47.50 Pamela Himstreet 56	28:39.02 Kate Knight-Perry 64	45.57 Jeanne Little 62	1:35.95 Barbara Merin 65
8:41.81 Ann Louise Onton 56	• 50 M. BACKSTROKE		



# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

1:37.16 Maryann Haragan 66	3:40.87 Ann Kay 65	3:48.34 Ronnie Kamphausen 65	23:52.84 Jeane Gruender 71
1:37.78 Carol Ferguson 68	3:57.79 Ann M Hirsch 68	4:01.58 Lida Gaschke 67	• 1500 M. FREESTYLE
• 200 M. FREESTYLE	4:01.13 Sylvia Eisele 69	4:14.00 Joan Campbell 68	25:40.43 CLARA WALKER 96
2:48.51 CLARA WALKER 92	4:06.95 S Robbins-Bonitz 66	4:19.59 Janet Moeller 65	25:48.53 June Krauser 73
2:54.14 Lavelle Stoinoff 66	4:11.75 Barbara Atwood 66	4:20.98 Malchia Olshan 68	29:15.00 Betty Russ 72
3:04.37 Diane Stowell 65	4:13.36 Mary Jane Mullins 68	4:24.12 Nancy Durstein 69	30:14.56 Edie Gruender 70
3:11.72 Ronnie Kamphausen 65	4:18.05 Barbara Callison 66	4:31.32 Gay Collins 68	31:16.42 Eleanor Wessner 73
3:18.05 Ann Kay 65	4:23.42 Arden Adams 67	4:37.07 Mary Jane Mullins 68	32:56.98 Florence Carr 74
3:21.30 Ann M Hirsch 68	4:27.73 Gay Collins 68	• 400 M. INDIVIDUAL MEDLEY	33:52.03 Joan McIntyre 70
3:24.97 Lida Gaschke 67	• 50 M. BREASTSTROKE	7:09.69 CLARA WALKER 92	34:38.32 Peggy Sanborn 72
3:29.14 Diane Reed 68	45.95 JAYNE BRUNER 99	8:00.95 Ann M Hirsch 68	35:50.99 Marian Wolle 71
3:32.90 Jean Garbus 65	45.95 Jayne Bruner 65	9:08.08 Janet Moeller 65	36:48.10 Ruth Hoskinson 70
3:34.04 Margaret Homans 66	48.36 Lilly Kron 68	9:33.02 Joan Campbell 69	38:08.31 Betsy Austen 72
3:34.27 Donna Monroe 65	48.40 Diane Stowell 65	11:16.93 Nancy McPhee 66	• 50 M. BACKSTROKE
• 400 M. FREESTYLE	48.78 Ann M Hirsch 68	11:29.78 Ruth Hertzberg 67	42.29 DORIS STEADMAN 96
5:54.90 LAVELLE STOINOFF 98	49.66 Sylvia Eisele 69	11:58.56 M Fran Williams 67	45.96 Nancy Macbeth 70
6:04.13 Lavelle Stoinoff 66	51.57 Carol Taylor 69		46.21 Barbara Jackson 70
6:27.67 Diane Stowell 65	55.70 Jean Garbus 65	<u>WOMEN 70-74</u>	48.24 June Krauser 73
6:52.79 Ronnie Kamphausen 65	56.06 Maryann Haragan 66	• 50 M. FREESTYLE	50.96 Nanette Bohl 70
7:06.97 Ann M Hirsch 68	56.75 Carol Ferguson 68	35.28 GAIL ROPER 99	51.13 Betty Lorenzi 72
7:15.84 Lida Gaschke 67	56.81 Hannelore Snyder 69	35.28 Gail Roper 70	52.21 Della M Sehorn 72
7:23.01 Malchia Olshan 68	• 100 M. BREASTSTROKE	37.61 Nancy Macbeth 70	52.93 Florence Carr 74
7:29.00 Joan Campbell 68	1:42.84 CLARA WALKER 91	38.82 Nanette Bohl 70	53.68 Edie Gruender 70
7:33.82 Margaret Homans 66	1:44.34 Diane Stowell 65	38.93 Jean Troy 72	55.03 Cynthia Bruce 71
7:43.87 Nancy Durstein 69	1:47.18 Ann M Hirsch 68	40.24 Barbara Jackson 70	55.81 Nancy Durstein 70
7:46.52 Maryann Haragan 66	1:53.24 Lilly Kron 68	40.71 June Krauser 73	• 100 M. BACKSTROKE
• 800 M. FREESTYLE	1:53.56 Lavelle Stoinoff 66	41.03 Florence Carr 74	1:35.11 DORIS STEADMAN 95
12:23.32 LAVELLE STOINOFF 98	1:55.28 Sylvia Eisele 69	41.39 Betty Russ 72	1:40.61 Nancy Macbeth 70
12:25.40 Lavelle Stoinoff 66	1:57.06 Carol Taylor 69	41.66 Edie Gruender 71	1:42.10 Barbara Jackson 70
14:30.72 Ann M Hirsch 68	2:00.93 Barbara Callison 66	44.18 Suzanne Graham 72	1:47.64 June Krauser 73
14:33.05 Lida Gaschke 67	2:01.35 Carol Ferguson 68	• 100 M. FREESTYLE	1:49.09 Betty Lorenzi 72
14:33.20 Donna Monroe 65	2:01.39 Maryann Haragan 66	1:19.94 GAIL ROPER 99	1:55.38 Della M Sehorn 72
14:40.00 Ann Kay 65	2:04.41 Jean Garbus 65	1:19.94 Gail Roper 70	1:56.45 Edie Gruender 70
15:20.54 Barbara Callison 66	• 200 M. BREASTSTROKE	1:27.19 Jean Troy 72	1:58.51 Nanette Bohl 70
15:38.13 Joan Campbell 69	3:43.20 DIANE STOWELL 99	1:29.04 June Krauser 72	2:02.11 Stefanena Kysor 71
17:00.31 Joanne Rooney 66	3:43.20 Diane Stowell 65	1:31.55 Nanette Bohl 70	2:02.74 Joan McIntyre 71
17:22.47 Jean M Duncan 66	3:46.65 Ann M Hirsch 68	1:34.94 Betty Russ 72	2:03.18 Florence Carr 73
17:34.51 Barbara Atwood 66	3:53.52 Lavelle Stoinoff 66	1:35.50 Edie Gruender 70	• 200 M. BACKSTROKE
• 1500 M. FREESTYLE	3:59.50 Lilly Kron 68	1:40.53 Florence Carr 74	3:28.69 DORIS STEADMAN 95
23:42.01 LAVELLE STOINOFF 98	4:16.65 Maryann Haragan 66	1:40.68 Della M Sehorn 72	3:36.32 Nancy Macbeth 70
23:45.66 Lavelle Stoinoff 66	4:30.52 Barbara Callison 66	1:42.49 Betty Lorenzi 72	3:47.69 June Krauser 73
27:50.55 Lida Gaschke 67	4:41.17 Joan Campbell 69	1:44.92 Nancy Durstein 70	3:52.07 Barbara Jackson 70
28:10.19 Malchia Olshan 68	4:51.37 Hannelore Snyder 69	• 200 M. FREESTYLE	3:56.66 Betty Lorenzi 72
29:22.36 Joan Campbell 69	4:59.96 Rosie Vijil 65	3:01.28 GAIL ROPER 99	4:11.12 Della M Sehorn 72
31:33.30 Barbara Merin 65	5:00.44 Judy Parrish 66	3:01.28 Gail Roper 70	4:14.90 Joan McIntyre 71
32:00.82 Janet Moeller 65	• 50 M. BUTTERFLY	3:10.28 Jean Troy 72	4:17.68 Edie Gruender 71
33:03.94 Marty Barry 66	39.18 GAIL ROPER 96	3:12.28 June Krauser 73	4:22.50 Nan Bohl 70
33:19.48 Barbara Atwood 66	42.01 Ann Kay 65	3:28.28 Betty Russ 72	4:23.01 Peggy Sanborn 71
34:10.77 Mary Jane Mullins 68	47.38 Ronnie Kamphausen 65	3:34.67 Nanette Bohl 70	4:25.72 Nancy Durstein 70
34:18.83 Caroline Morgan 67	50.71 Sylvia Eisele 69	3:35.75 Edie Gruender 70	• 50 M. BREASTSTROKE
• 50 M. BACKSTROKE	50.78 Jean Garbus 65	3:38.56 Carol Taylor 70	49.14 GAIL ROPER 99
39.85 CLARA WALKER 92	54.47 Nancy Meissner 66	3:39.59 Betty Lorenzi 72	49.14 Gail Roper 70
46.57 Ann Kay 65	54.85 Janet Moeller 65	3:45.47 Nancy Durstein 70	49.67 Carol Taylor 70
48.69 S Robbins-Bonitz 66	56.11 Carol Taylor 69	3:47.09 Betty Mc Millan 70	53.66 June Krauser 73
49.72 Ardis Bourland 66	59.03 Ruth Hoskinson 69	• 400 M. FREESTYLE	58.97 Georgia Goggin 70
52.80 Barbara Atwood 66	1:01.29 Alice Lawrence 66	6:33.15 CLARA WALKER 96	59.44 Suzanne Graham 72
52.98 Jacqueline Dunlop 68	1:01.71 Mary Jane Mullins 68	6:36.90 Gail Roper 70	59.90 Edie Gruender 70
55.39 Shirley Beheler 65	• 100 M. BUTTERFLY	6:40.86 June Krauser 72	1:00.03 Florence Carr 74
55.76 Mary Jane Mullins 68	1:36.68 GAIL ROPER 96	6:54.22 Jean Troy 72	1:01.62 Barbara Jackson 70
57.16 Laurine Schuler 69	1:52.45 Ann M Hirsch 68	7:37.80 Edie Gruender 70	1:02.17 Joan Glaraton 72
58.99 Ruth Hoskinson 69	1:55.92 Sylvia Eisele 69	7:46.90 Betty Lorenzi 72	1:04.88 Hedy Esposito 72
59.51 Judy Parrish 66	2:06.63 Jill Coleman 69	7:48.72 Nancy Durstein 70	• 100 M. BREASTSTROKE
• 100 M. BACKSTROKE	2:06.73 Janet Moeller 65	8:00.06 Betty Mc Millan 70	49.14 GAIL ROPER 99
1:30.97 CLARA WALKER 91	2:17.01 Malchia Olshan 68	8:18.26 Florence Carr 74	1:48.56 Gail Roper 70
1:40.02 Ann Kay 65	2:19.38 Donna Monroe 65	8:20.92 Anita L Hazen 71	1:52.16 Carol Taylor 70
1:47.20 Diane Stowell 65	2:20.12 Nancy Meissner 66	8:29.55 Edna Gordon 71	1:59.45 June Krauser 73
1:48.41 Ann M Hirsch 68	2:22.09 Nancy Durstein 68	• 800 M. FREESTYLE	2:02.42 Nanette Bohl 70
1:50.11 S Robbins-Bonitz 66	2:36.40 Nancy McPhee 66	13:15.45 JUNE KRAUSER 96	2:09.76 Suzanne Graham 72
1:54.48 Sylvia Eisele 69	2:48.54 Mary F Williams 67	13:37.62 June Krauser 73	2:16.50 Jean Troy 72
1:56.57 Barbara Atwood 65	• 200 M. BUTTERFLY	15:16.49 Betty Lorenzi 72	2:17.43 Georgia Goggin 70
1:56.71 Barbara Callison 66	3:36.25 JUNE KRAUSER 94	15:33.87 Betty Russ 72	2:20.77 Dixie C Germolus 72
1:58.42 Jill Coleman 69	4:42.11 Malchia Olshan 68	15:56.44 Edie Gruender 71	2:22.02 Florence Carr 74
2:00.54 Ardis Bourland 66	5:00.85 Janet Moeller 65	17:08.15 Anita L Hazen 71	2:24.18 Gladys Olsen 73
2:00.92 Nancy Durstein 69	6:30.91 M Fran Williams 67	17:11.96 Ruth Aaron 70	• 200 M. BACKSTROKE
2:00.92 Joan Campbell 69	• 200 M. INDIVIDUAL MEDLEY	17:27.83 Florence Carr 74	3:53.55 GAIL ROPER 99
• 200 M. BACKSTROKE	3:19.01 CLARA WALKER 91	17:55.91 Joan McIntyre 70	3:53.55 Gail Roper 70
3:16.02 LAVELLE STOINOFF 98	3:43.26 Ann Kay 65	21:06.53 Bea Heim 74	4:10.37 June Krauser 73
3:17.57 Lavelle Stoinoff 66	3:46.98 Ann M Hirsch 68		4:15.11 Carol Taylor 70

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

4:40.82 Suzanne Graham 72	46.44 C Williams 75	2:13.48 Diana Silva 77	9:25.42 Elfie Stevenin 78
4:50.22 Ruth Aaron 70	47.87 Bunny Cederlund 77	2:16.85 Jeanne Merryman 76	▪ 200 M. INDIVIDUAL MEDLEY
4:57.82 Bunny S Dawson 71	48.44 Mary Stadig 78	2:17.05 Jean Storch 75	4:08.03 LOIS KIVI NOCHMAN 99
4:57.82 Nancy Durstein 70	▪ 100 M. FREESTYLE	2:17.48 C Williams 75	4:08.03 Lois Nochman 75
5:01.79 Dixie C Germolus 72	1:33.25 MARGERY MEYER 98	▪ 200 M. BACKSTROKE	4:46.38 Dorothy Donnelly 78
5:05.74 Gladys Olsen 73	1:35.59 Margery Meyer 77	3:39.41 DORIS STEADMAN 99	4:49.34 Marge Bowdon 76
5:12.87 Joan Glaraton 72	1:38.81 Betty Christian 78	3:39.41 Doris Steadman 75	4:52.14 Jae Howell 76
▪ 50 M. BUTTERFLY	1:40.34 Ruth Baar 77	4:01.24 Regan Kenner 76	4:55.52 June Reynolds 76
41.45 GAIL ROPER 99	1:42.18 Lois Kivi Nochman 75	4:04.48 Ruth B Morrill 77	5:00.00 Ruth Manfredi 75
41.45 Gail Roper 70	1:42.48 Petey Smith 75	4:26.80 Lois Nochman 75	5:02.19 Diana Silva 77
45.81 June Krauser 72	1:45.63 C Williams 75	4:26.95 Bunny Cederlund 77	5:03.44 Ruth B Morrill 77
49.33 Edie Gruender 71	1:46.45 Grace Altus 75	4:30.20 Diana Silva 77	5:06.70 C Williams 75
49.67 Jean Troy 72	1:46.52 Dorothy Donnelly 78	4:41.83 Barbara Boley 75	5:07.94 Jane Dougherty 78
52.60 Carol Taylor 70	1:51.77 Ruth Manfredi 75	5:01.68 Maurine Kornfeld 78	▪ 400 M. INDIVIDUAL MEDLEY
53.93 Della M Sehorn 72	1:54.49 Bunny Cederlund 77	5:04.26 Grace Altus 75	8:59.25 LOIS KIVI NOCHMAN 99
57.80 Florence Carr 74	▪ 200 M. FREESTYLE	5:09.54 Minna Hamner 76	8:59.25 Lois Nochman 75
59.71 Ruth Hoskinson 70	3:24.84 MARGERY MEYER 98	▪ 50 M. BREASTSTROKE	10:11.68 Jae Howell 76
1:00.72 Cynthia Bruce 71	3:28.83 Margery Meyer 77	54.12 BETTY CHRISTIAN 98	10:41.08 Diana Silva 77
1:03.70 Betty Dunn 74	3:46.47 Lois Kivi Nochman 75	55.20 Betty Christian 78	10:58.30 June Reynolds 77
▪ 100 M. BUTTERFLY	3:48.43 Ruth Baar 77	56.32 Regan Kenner 76	16:22.64 Elfie Stevenin 78
1:40.85 JUNE KRAUSER 96	3:49.93 Grace Altus 75	59.36 Jae Howell 77	
1:46.38 June Krauser 73	3:51.15 Petey Smith 75	1:00.17 Lois Kivi Nochman 75	<u>WOMEN 80-84</u>
2:03.15 Jean Troy 72	3:58.63 Ruth Manfredi 75	1:01.33 Marge Bowdon 76	▪ 50 M. FREESTYLE
2:04.07 Edie Gruender 71	4:07.99 Dorothy Donnelly 78	1:02.65 Dorothy Donnelly 78	45.65 MARJORIE SHARPE 98
2:10.87 Betty Russ 72	4:08.95 Mary Stadig 78	1:04.82 Clara Sotak 75	47.12 Marjorie W Sharpe 82
2:25.73 Florence Carr 74	4:23.04 Betty Kendall 79	1:05.97 Barbara Boley 75	48.79 Rita Simonton 81
2:30.91 Betty Dunn 74	4:23.42 Barbara Boley 75	1:07.39 Irene Mannix 76	50.41 Margaret Nagle 82
2:31.24 Ruth Hoskinson 70	▪ 400 M. FREESTYLE	1:07.54 Sarah Nelson 75	50.93 Audrey H Etienne 82
2:36.42 M Hagan 71	7:16.82 MARGERY MEYER 98	▪ 100 M. BREASTSTROKE	53.40 Anne Walker 83
2:37.40 Gladys Olsen 73	7:22.60 Margery Meyer 77	2:04.25 REGAN KENNER 99	59.43 Gertrud Zint 82
2:37.82 Margaret Wells 73	7:54.20 Lois Kivi Nochman 75	2:04.25 Regan Kenner 76	1:00.56 Kay Schimpf 82
▪ 200 M. BUTTERFLY	7:56.48 Grace Altus 75	2:08.29 Betty Christian 78	1:00.59 Fran Zeumer 80
3:39.91 JUNE KRAUSER 96	8:05.58 Ruth Baar 77	2:15.43 Lois Kivi Nochman 75	1:01.45 Sally Joy 82
3:58.80 June Krauser 73	8:10.33 Petey Smith 75	2:20.16 Jae Howell 76	1:02.02 Norma Bernardi 80
4:35.60 Betty Russ 72	8:22.13 Dorothy Donnelly 78	2:31.64 Irene Mannix 76	▪ 100 M. FREESTYLE
5:02.74 Nancy Durstein 70	8:50.48 Barbara Boley 75	2:35.27 Sarah Nelson 75	1:42.56 RITA SIMONTON 99
5:21.06 Gladys Olsen 73	8:52.13 Mary Stadig 78	2:35.57 Barbara Boley 75	1:42.56 Rita Simonton 81
5:38.42 Marian Wolle 71	9:00.30 Maurine Kornfeld 78	2:36.90 June Reynolds 77	1:45.64 Marjorie W Sharpe 82
5:51.07 Margaret Wells 73	9:08.60 Clara Sotak 75	2:37.82 Minna Hamner 76	2:03.06 Audrey H Etienne 82
5:59.46 Betty Dunn 74	▪ 800 M. FREESTYLE	2:38.24 Cornelia Johnson 76	2:08.06 Anne Walker 83
6:47.92 Gloria Stupfel 73	14:57.03 MARGERY MEYER 98	▪ 200 M. BREASTSTROKE	2:08.40 Margaret Nagle 83
7:52.36 Joan McIntyre 71	15:11.28 Margery Meyer 77	4:28.51 REGAN KENNER 99	2:11.21 Kay Schimpf 82
▪ 200 M. INDIVIDUAL MEDLEY	16:06.45 Lois Nochman 75	4:28.51 Regan Kenner 76	2:16.57 Gertrud Zint 82
3:32.94 GAIL ROPER 99	17:17.69 Barbara Boley 75	4:40.65 Betty Christian 78	2:17.62 Fran Zeumer 80
3:32.94 Gail Roper 70	18:14.67 Mary Stadig 78	4:47.37 Lois Kivi Nochman 75	2:20.92 Mary Jane Reeves 82
3:40.24 Nancy Macbeth 70	18:25.58 Rita Costello 77	5:01.34 Jae Howell 76	2:22.25 Norma Bernardi 80
3:40.39 June Krauser 72	18:52.93 Bunny Cederlund 77	5:19.17 Muriel Flynn 76	▪ 200 M. FREESTYLE
4:06.72 Jean Troy 72	19:02.54 Clara Sotak 75	5:19.82 Jane Dougherty 78	3:44.19 RITA SIMONTON 99
4:08.50 Edie Gruender 70	20:29.63 Jane Rossell 78	5:23.89 June Reynolds 77	3:44.19 Rita Simonton 81
4:26.64 Nancy Durstein 70	25:32.64 Judy Melcher 79	5:37.14 Barbara Boley 75	3:46.57 Marjorie W Sharpe 82
4:44.09 Ruth Aaron 70	27:18.18 Elfie Stevenin 78	5:37.31 Cornelia Johnson 76	4:40.46 Kay Schimpf 82
4:44.71 Florence Carr 74	▪ 1500 M. FREESTYLE	5:46.41 Sarah Nelson 75	4:45.09 Anne Walker 83
4:49.72 Ruth Hoskinson 70	28:38.34 MARGERY MEYER 98	▪ 50 M. BUTTERFLY	4:50.09 Margaret Nagle 82
5:02.42 Joan Glaraton 72	29:24.43 Margery Meyer 76	47.86 LOIS KIVI NOCHMAN 99	4:58.03 Gertrud Zint 82
▪ 400 M. INDIVIDUAL MEDLEY	30:32.02 Lois Nochman 75	47.86 Lois Nochman 75	5:04.07 Mary Jane Reeves 82
7:30.91 JUNE KRAUSER 96	31:30.58 Grace Altus 75	1:00.70 Marge Bowdon 76	5:12.94 Norma Bernardi 80
7:40.41 June Krauser 73	35:28.60 Bunny Cederlund 77	1:03.22 Margery Meyer 77	5:30.65 Mary Lathram 84
7:49.98 Gail Roper 70	35:47.74 Clara Sotak 75	1:03.66 June Reynolds 77	5:37.56 Zada W Taft 80
7:53.70 Nancy Macbeth 70	▪ 50 M. BACKSTROKE	1:04.42 Grace Altus 75	▪ 400 M. FREESTYLE
8:44.55 Betty Russ 72	44.43 DORIS STEADMAN 99	1:06.78 Diana Silva 77	7:53.37 RITA SIMONTON 99
8:51.06 Jean Troy 72	44.43 Doris Steadman 75	1:08.13 Jae Howell 76	7:53.37 Rita Simonton 81
9:06.88 Edie Gruender 71	49.78 Marge Bowdon 76	1:10.21 Jean Zulich 78	9:13.31 Sue Marvel 80
9:16.28 Nancy Durstein 70	49.88 Margery Meyer 77	1:10.79 Barbara Boley 75	10:00.59 Kay Schimpf 81
10:09.34 Florence Carr 74	50.28 Bunny Cederlund 77	1:10.89 C Williams 75	10:31.32 Margaret Nagle 82
10:22.79 Joan Glaraton 72	51.69 Regan Kenner 76	▪ 100 M. BUTTERFLY	10:56.01 Gertrud Zint 82
10:32.95 Gladys Olsen 73	54.48 Ruth B Morrill 77	1:56.92 LOIS KIVI NOCHMAN 99	11:01.94 Anne Szuis 81
	54.69 Betty Christian 78	1:56.92 Lois Nochman 75	11:52.10 Zada W Taft 80
	55.20 Dorothy Donnelly 78	2:26.67 June Reynolds 77	12:03.73 Mary Lathram 84
	57.34 Diana Silva 77	2:30.97 Jae Howell 76	12:55.17 Martha Forster 82
	57.56 Lois Kivi Nochman 75	2:45.72 Ruth Manfredi 75	17:09.46 Rose Steward 81
	▪ 100 M. BACKSTROKE	2:47.06 Jean Zulich 78	▪ 800 M. FREESTYLE
	1:39.06 DORIS STEADMAN 99	3:13.36 Marjorie Newman 76	16:05.85 RITA SIMONTON 98
	1:39.06 Doris Steadman 75	4:18.88 Elfie Stevenin 78	16:20.11 Rita Simonton 81
	1:52.38 Regan Kenner 76	▪ 200 M. BUTTERFLY	18:17.05 Marjorie W Sharpe 82
	1:56.48 Ruth B Morrill 77	4:19.81 LOIS KIVI NOCHMAN 99	19:19.38 Sue Marvel 80
	1:59.12 Margery Meyer 76	4:19.81 Lois Nochman 75	20:24.23 Barbara Clark 84
	2:01.17 Bunny Cederlund 77	5:17.47 Jae Howell 76	23:40.79 Mary Lathram 84
	2:06.35 Lois Kivi Nochman 75	5:22.79 June Reynolds 77	

## WOMEN 75-79

▪ 50 M. FREESTYLE	41.32 MARGERY MEYER 98	1:39.06 DORIS STEADMAN 99	16:05.85 RITA SIMONTON 98
42.24 Margery Meyer 76	42.25 Betty Christian 78	1:39.06 Doris Steadman 75	16:20.11 Rita Simonton 81
42.98 Dorothy Donnelly 78	43.59 Marge Bowdon 76	1:52.38 Regan Kenner 76	18:17.05 Marjorie W Sharpe 82
43.82 Petey Smith 75	44.26 Ruth Baar 77	1:56.48 Ruth B Morrill 77	19:19.38 Sue Marvel 80
44.26 Ruth Baar 77	45.06 Lois Kivi Nochman 75	1:59.12 Margery Meyer 76	20:24.23 Barbara Clark 84
		2:01.17 Bunny Cederlund 77	23:40.79 Mary Lathram 84
		2:06.35 Lois Kivi Nochman 75	

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

25:31.71 Martha Forster 82	10:29.18 Rose Steward 81	2:09.06 Margot Lenig 87	NO SWIMMERS
26:24.72 Zada W Taft 80	• 50 M. BUTTERFLY	• 100 M. BACKSTROKE	MEN 19-24
27:18.45 Marie Kriepe 80	1:03.66 MARIA LENK ZIGLER 95	2:13.13 AILEEN SOULE 91	• 50 M. FREESTYLE
39:32.02 Marijane Torjesen 82	1:17.23 Gertrud Zint 82	2:28.72 Marie Wicklun 85	24.03 DAVID LAWSON 95
• 1500 M. FREESTYLE	1:21.54 Sally Joy 82	2:45.36 Eva Muller 87	24.19 Joe Tristan 24
30:41.01 RITA SIMONTON 99	1:24.22 Kay Schimpf 82	2:48.27 Chiyoko Bando 85	24.52 Ben Christoffel 24
30:41.01 Rita Simonton 81	1:29.30 Edith Glusac 81	5:31.35 Elzena Johnson 85	24.58 Ken Ehlen 24
37:45.00 Kay Schimpf 82	1:39.17 Zada W Taft 80	• 200 M. BACKSTROKE	25.21 Josh Skube 24
46:42.19 Mary Lathram 84	1:45.78 Roberta Sugden 82	4:47.82 AILEEN SOULE 91	25.22 Edward Goldstein 24
48:42.62 Martha Forster 82	2:13.96 Victoria Harris 80	5:21.79 Marie Wicklun 85	25.47 Chris Fantz 22
• 50 M. BACKSTROKE	• 100 M. BUTTERFLY	5:38.43 Eva Muller 87	25.97 Stephen So 24
53.84 MARJORIE SHARPE 97	2:27.91 JEAN DURSTON 94	8:49.27 Hilda G Buel 85	26.03 C Alcott 24
56.46 Marjorie W Sharpe 82	3:02.38 Edith Glusac 81	10:26.92 Margot Lenig 87	26.27 Matthew Mills 22
58.19 Anne Walker 83	3:35.45 Kay Schimpf 82	• 50 M. BREASTSTROKE	26.36 Michael Manley 23
1:04.29 Edith Glusac 81	3:38.94 Gertrud Zint 82	1:09.85 MARTI GOGNIAT 96	• 100 M. FREESTYLE
1:04.33 Barbara Clark 84	3:47.57 Zada W Taft 80	1:50.10 Madeleine Miller 89	52.16 JOE TRISTAN 98
1:05.50 Norma Bernardi 80	• 200 M. BUTTERFLY	• 100 M. BREASTSTROKE	51.81 Joe Tristan 24NV
1:05.52 Gertrud Zint 82	5:24.52 JEAN DURSTON 94	2:39.02 MARTI GOGNIAT 96	53.79 Ken Ehlen 24
1:09.22 Mary Lathram 84	8:05.85 Zada W Taft 80	2:48.27 Jean D Durston 85	54.44 Ben Christoffel 24
1:11.21 Margaret Nagle 82	• 200 M. INDIVIDUAL MEDLEY	3:33.47 Eva Mueller 87	55.24 Edward Goldstein 24
1:15.10 Fran Zeumer 80	4:41.09 MARIA LENK ZIGLER 95	3:38.99 Chiyoko Bando 85	55.58 Matthew Mills 22
1:18.43 Jo Lacy 81	5:38.80 Gertrud Zint 82	• 200 M. BACKSTROKE	55.84 Josh Skube 24
• 100 M. BACKSTROKE	5:39.66 Kay Schimpf 82	6:01.15 JEAN DURSTON 99	57.80 Matt Schlessman 24
2:01.67 MARJORIE SHARPE 99	6:03.45 Edith Glusac 81	6:01.15 Jean D Durston 85	57.99 Stephen So 24
2:01.67 Marjorie W Sharpe 82	6:57.14 Zada W Taft 80	9:05.51 Hilda G Buel 85	58.14 J Armstrong 23
2:19.44 Anne Walker 83	7:47.45 Roberta Sugden 82	10:09.15 Madeleine Miller 89	58.56 Chris Fantz 22
2:27.03 Audrey H Etienne 82	• 400 M. INDIVIDUAL MEDLEY	• 50 M. BUTTERFLY	• 200 M. FREESTYLE
2:27.91 Edith Glusac 81	10:05.13 MAXINE MERLINO 92	1:11.58 JEAN DURSTON 99	1:52.74 JOE TRISTAN 98
2:32.20 Gertrud Zint 82	12:41.67 Kay Schimpf 82	1:11.58 Jean D Durston 85	1:53.67 Joe Tristan 24
2:33.69 Sally Joy 82	12:52.34 Edith Glusac 81	1:44.74 Pearl Sobel 88	2:02.41 Adam Dawkins 24
2:34.88 Mary Lathram 84	14:23.07 Zada W Taft 80	• 100 M. BUTTERFLY	2:06.57 Matthew Mills 22
2:44.41 Jo Lacy 81	WOMEN 85-89	2:40.11 JEAN DURSTON 99	2:07.56 Scott D Marsic 23
2:55.37 Pat Matthiesen 83	• 50 M. FREESTYLE	2:40.11 Jean Durston 85	2:08.10 Ben Christoffel 24
3:01.83 Zada W Taft 80	50.93 JULIA DOLCE 94	• 200 M. BUTTERFLY	2:09.88 Chris Cushman 24
• 200 M. BACKSTROKE	1:00.11 Jean D Durston 85	5:49.75 JEAN DURSTON 99	2:11.27 Brian Hicks 23
4:30.48 MARJORIE SHARPE 97	1:00.61 Marie Wicklun 85	5:49.75 Jean Durston 85	2:13.34 Michael Manley 23
4:31.80 Marjorie W Sharpe 82	1:09.02 Chiyoko Bando 85	• 200 M. INDIVIDUAL MEDLEY	2:14.09 Justin Poche 21
4:48.92 Anne Walker 83	1:16.74 Ellen Tait 89	5:16.68 JEAN DURSTON 99	2:16.38 Travis Jones 21
4:50.27 Barbara Clark 84	1:20.18 Agnes Romayko 85	5:16.68 Jean D Durston 85	• 400 M. FREESTYLE
5:14.92 Gertrud Zint 82	1:46.18 Pearl Sobel 88	6:26.81 Eva Muller 87	4:08.73 BRAD WINSOR 95
5:17.32 Edith Glusac 81	1:50.22 Elizabeth Dziadus 89	• 400 M. INDIVIDUAL MEDLEY	4:18.56 Joe Tristan 24
5:28.62 Sally Joy 82	2:39.83 Elzena Johnson 85	11:10.37 JEAN DURSTON 99	4:19.91 Adam Dawkins 24
5:29.44 Mary Lathram 84	• 100 M. FREESTYLE	11:10.37 Jean D Durston 85	4:30.58 Peter H Day 20
5:58.25 Jo Lacy 81	2:00.68 JULIA DOLCE 95	WOMEN 90-94	4:36.44 Chris Cushman 24
5:59.59 Kay Schimpf 82	2:13.45 Jean Durston 85	• 50 M. FREESTYLE	4:43.24 Alex Fuller 24
6:30.41 Zada W Taft 80	2:20.54 Marie Wicklun 85	55.76 AILEEN SOULE 96	4:55.89 Hauoli Smith 19
• 50 M. BREASTSTROKE	2:34.41 Chiyoko Bando 85	58.80 Julia Dolce 90	5:01.38 Chris Connor 24
1:05.10 MAXINE MERLINO 92	2:50.43 Agnes Romayko 85	• 100 M. FREESTYLE	5:01.57 Ben Kusmak 22
1:09.57 Edith Glusac 81	2:54.13 Ellen Tait 89	2:19.62 AILEEN SOULE 96	5:07.32 Chad Riegler 24
1:09.87 Gertrud Zint 82	3:21.58 Madeleine Miller 89	2:25.75 Julia Dolce 90	5:09.91 Todd Sorensen 20
1:11.27 Sally Joy 82	• 200 M. FREESTYLE	• 200 M. FREESTYLE	• 800 M. FREESTYLE
1:19.01 Kay Schimpf 82	4:44.30 MAXINE MERLINO 97	5:19.36 JULIA DOLCE 99	8:47.65 BRAD WINSOR 95
1:20.59 Margaret Nagle 82	5:10.71 Eva Mueller 87	5:19.36 Julia Dolce 90	9:59.26 Charles Lorenz 24
1:21.53 Audrey H Etienne 82	6:08.49 Agnes Romayko 85	• 400 M. FREESTYLE	10:28.73 Hauoli Smith 19
1:22.91 Anne Szuis 81	6:39.25 Ellen Tait 89	11:44.11 JULIA DOLCE 99	10:42.43 Chris Conner 24
1:29.13 Marie Kriepe 80	9:08.81 Margot Lenig 87	11:44.11 Julia Dolce 90	10:47.77 Doug Fioranelli 22
1:30.44 Fran Zeumer 80	10:54.63 Elzena Johnson 85	• 800 M. FREESTYLE	10:49.31 P Kelley 24
1:37.51 Jo Lacy 81	• 400 M. FREESTYLE	30:55.09 ANNA BAUSCHER 94	11:08.55 Todd Sorensen 20
• 100 M. BREASTSTROKE	9:32.91 JEAN DURSTON 99	NO SWIMMERS	11:16.74 Adam Berger 21
2:22.79 MAXINE MERLINO 92	9:32.91 Jean D Durston 85	• 1500 M. FREESTYLE	11:29.13 Andrew C Bozdech 21
2:23.29 Rita Simonton 81	10:53.38 Eva Mueller 87	50:26.55 JULIA DOLCE 99	11:44.58 John Collins 21
2:40.12 Edith Glusac 81	13:52.94 Ellen Tait 89	50:26.49 Julia Dolce 90NV	12:04.42 Chad Riegler 24
2:42.58 Gertrud Zint 82	• 800 M. FREESTYLE	• 50 M. BACKSTROKE	• 1500 M. FREESTYLE
2:43.90 Sally Joy 82	19:12.10 JEAN DURSTON 99	1:03.49 AILEEN SOULE 96	17:12.51 JAMES ALLEN 91
2:59.60 Kay Schimpf 82	19:12.10 Jean Durston 85	NO SWIMMERS	19:05.71 Charles Lorenz 24
3:12.72 Mary Jane Reeves 82	• 1500 M. FREESTYLE	• 100 M. BACKSTROKE	20:12.44 Hauoli Smith 19
3:17.54 Marie Kriepe 80	36:42.65 JEAN DURSTON 99	2:23.23 AILEEN SOULE 96	22:04.01 David Labno 24
4:10.22 Zada W Taft 80	36:42.40 Jean Durston 85NV	NO SWIMMERS	22:48.90 John Collins 21
4:27.97 Roberta Sugden 82	• 50 M. BACKSTROKE	• 200 M. BACKSTROKE	• 50 M. BACKSTROKE
5:09.12 Rose Steward 81	58.42 AILEEN SOULE 91	5:29.07 AILEEN SOULE 97	27.43 DAVID LAWSON 95
• 200 M. BREASTSTROKE	1:08.59 Marie Wicklun 85	NO SWIMMERS	28.01 Mike Wencil 22
5:06.58 RITA SIMONTON 98	1:19.18 Chiyoko Bando 85	• 50 M. BUTTERFLY	29.65 Josh Skube 24
5:13.82 Rita Simonton 81	1:28.97 Pearl Sobel 88	4:57.25 ANNA BAUSCHER 94	29.95 Joe Tristan 24
5:56.06 Gertrud Zint 82	1:42.22 Ellen Tait 89	NO SWIMMERS	31.35 Cliff Bircks 21
5:58.75 Edith Glusac 81	1:42.30 Hilda G Buel 85	• 200 M. INDIVIDUAL MEDLEY	31.39 Dennis Pette 23
5:59.59 Sally Joy 82	1:49.03 Elizabeth Dziadus 89	12:10.93 ANNA BAUSCHER 94	31.72 Gregory K Berner 21
6:10.44 Kay Schimpf 82			
6:56.42 Mary Jane Reeves 82			

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

32.25 Charles E Bowman 24	59.48 Jeff D Maynor 21	4:36.68 Carlton DeVooght 27	1:04.60 DAVID LUNDBERG 89
33.44 Daniel Peck 23	59.98 Mike Wencl 22	4:36.95 Matthew Kinney 29	1:06.21 Rob Butcher 27
34.14 Travis Jones 21	1:00.20 Chris Fantz 22	4:37.27 Francisco Suro 28	1:06.41 Tony Rezek 27
34.24 Peter H Day 20	1:03.69 Gregory K Berner 21	4:39.59 Ed G Owen 28	1:10.99 Matthew Kinney 29
• 100 M. BACKSTROKE	1:04.49 Scott D Marsic 23	4:42.71 Kip Kirkpatrick 27	1:13.41 Kip Kirkpatrick 27
1:00.37 DAVID LAWSON 95	1:04.76 Brian Beckstrom 24	• 800 M. FREESTYLE	1:14.30 Jonathan Banville 29
1:00.79 Mike Wencl 22	1:06.74 Chris Cushman 24	8:24.67 ALEX KOSTICH 97	1:15.01 Robb Smith 29
1:00.87 Joe Tristan 24	1:07.03 Peter K Buss 24	9:34.06 David Mason 27	1:16.10 Todd Scherm 26
1:01.37 Dennis Pette 23	• 200 M. BUTTERFLY	9:37.98 Kip Kirkpatrick 27	1:16.17 Donald Spellman 25
1:02.60 Michael Tingley 21	2:09.39 RY BEVILLE 95	9:39.46 Andrew Farrell 29	1:16.89 James Ralph 26
1:04.20 Josh Skube 24	2:18.40 Jeff D Maynor 21	9:45.24 Carlton DeVooght 27	1:17.36 Daniel Bachrach 27
1:05.14 Ken Ehlen 24	2:31.27 Chris Fantz 22	9:47.91 Matthew Dunn 25	• 200 M. BREASTSTROKE
1:09.03 Chris Fantz 22	2:36.10 Charles Lorenz 24	9:56.91 Ed G Owen 28	2:26.32 ABRAHAM SOLANO 96
1:10.20 Cliff Bircks 21	2:39.95 Alex Fuller 24	10:38.16 Darrin Anderson 29	2:30.10 Tony Rezek 27
1:11.11 Charles E Bowman 24	2:58.46 Hauoli Smith 19	10:38.84 Kevin Scott 29	2:32.13 Matthew Kinney 29
1:13.30 Daniel Peck 23	• 200 M. INDIVIDUAL MEDLEY	11:13.14 Brad Schmied 27	2:42.24 Jonathan Banville 29
• 200 M. BACKSTROKE	2:14.08 GREG MACKEM 92	11:48.76 C J Rushman 28	2:42.52 Kip Kirkpatrick 27
2:13.60 JOE TRISTAN 97	2:15.85 Jeff D Maynor 21	• 1500 M. FREESTYLE	2:44.50 Michael Steineman 25
2:14.30 Joe Tristan 24	2:20.55 Brian Hicks 23	16:13.89 ALEX KOSTICH 97	2:45.32 Donald Spellman 25
2:16.18 Dennis Pette 23	2:22.86 Mike Wencl 22	18:13.89 Andrew Farrell 29	2:45.77 Daniel Bachrach 27
2:20.78 Mike Wencl 22	2:27.02 J Armstrong 23	18:35.57 Brandon J Carter 28	2:47.59 Robb Smith 29
2:23.42 Josh Skube 24	2:30.23 Justin Poche 21	18:38.56 Scott Reed 28	2:50.04 Chris Colburn 27
2:36.87 Daniel Peck 23	2:30.85 Phillip Rand 23	18:47.42 Matthew Dunn 25	2:53.22 Jason Haag 29
2:37.94 Charles E Bowman 24	2:34.48 Ben Kusmak 22	19:06.23 Ed G Owen 28	• 50 M. BUTTERFLY
2:37.95 Alex Fuller 24	2:34.76 Matt Schlessman 24	19:06.57 Dalibor Vavra 26	25.16 DEFORREST/BOTTOM 84
2:40.16 Justin Poche 21	2:35.01 Alex Fuller 24	19:08.70 Jeff Jotz 29	26.42 Todd Dreitzler 29
2:45.09 Hauoli Smith 19	2:40.03 Daniel S Peck 23	20:08.34 Darrin Anderson 29	26.62 Marcel Rinzler 28
2:46.98 J P Kehoe 24	• 400 M. INDIVIDUAL MEDLEY	20:56.99 Greg Bever 26	26.85 Will Johnson 27
• 50 M. BREASTSTROKE	4:48.56 GREG MACKEM 92	21:47.87 Terry Butts 29	27.09 Jason Hansen 26
30.10 JOSH AMATO 87	5:08.81 Josh Skube 24	• 50 M. BACKSTROKE	27.47 Robert Pipkins 26
31.03 Kevin M Raab 20	5:28.92 Charles Lorenz 24	27.42 ROBERT HAUCK 93	27.61 Eric Capalupo 25
31.28 Chris Rasmussen 20	6:11.63 David Labno 24	27.86 Zasha Robles 25	27.76 Hank Faris 28
31.53 Phillip Rand 23		28.98 Scott Reed 29	27.87 Christophe Parton 29
31.93 Ken Ehlen 24	MEN 25-29	29.50 Todd Dreitzler 29	27.89 Eric Wojta 28
32.06 Jeff D Maynor 21		30.05 James Ralph 26	28.05 Brian Cunningham 27
32.27 C Alcott 24	• 50 M. FREESTYLE	30.69 Jason Markey 27	• 100 M. BUTTERFLY
33.46 Steven Bergen 24	22.59 KEVIN DEFORREST 83	30.81 Andrew Farrell 29	56.34 MICHAEL BOTTOM 84
34.95 Justin Poche 21	24.68 Lee G Wanie 25	30.98 Kevin Hurysz 25	59.59 Marcel Rinzler 28
35.13 Stephen So 24	25.09 Jason Hansen 26	31.76 C Benedick 28	1:00.86 Scott Reed 29
35.16 Shawn Peters 24	25.26 Eric Wojta 28	32.20 Kurt Sprenger 29	1:00.93 Grant Comer 25
• 100 M. BREASTSTROKE	25.44 Kevin Sherlock 29	32.57 Brad Schmied 27	1:01.05 John Rogers 29
1:06.61 JAMES SUROWIEC 88	25.46 Erik Crankshaw 27	• 100 M. BACKSTROKE	1:01.11 Ken Dunlap 28
1:07.11 Kevin M Raab 20	25.53 Mark Yoder 25	58.24 JOHN KEPPELER 92	1:01.18 Carlton DeVooght 27
1:07.80 Chris Rasmussen 20	25.56 Ed G Owen 28	1:00.93 Scott Reed 29	1:03.54 Mark Yoder 25
1:09.61 Ben Christoffel 24	25.58 Andrew Farrell 29	1:01.12 Zasha Robles 25	1:03.97 Brian Cunningham 27
1:11.04 Phillip Rand 23	25.58 Todd Dreitzler 29	1:02.42 Lee G Wanie 25	1:04.03 Mark Goldman 28
1:11.32 Jeff D Maynor 21	25.74 Matthew Dunn 25	1:04.53 Erik Crankshaw 27	1:04.56 Chris Parton 29
1:13.28 J Armstrong 23	• 100 M. FREESTYLE	1:05.58 James Ralph 26	• 200 M. BUTTERFLY
1:14.16 C Alcott 24	51.25 JIM MONTGOMERY 81	1:06.62 Andrew Farrell 29	2:06.88 JIM BELARDI 82
1:15.01 Justin Poche 21	54.45 Lee G Wanie 25	1:06.70 Steve Hartsock 26	2:15.87 Carlton DeVooght 27
1:15.35 Daisuke Maehira 21	55.03 Jason Hansen 26	1:07.27 Hank Faris 28	2:29.46 Matthew Kinney 29
1:18.64 Steven Bergen 24	55.63 Ed G Owen 28	1:07.34 Francisco Suro 28	2:44.21 Darrin Anderson 29
• 200 M. BREASTSTROKE	55.76 Timothy Boyd 29	1:07.59 Kenji Sudoh 26	3:19.66 Dickie Fernandez 28
2:25.57 KEVIN RAAB 99	55.86 Erik Crankshaw 27	• 200 M. BACKSTROKE	• 200 M. INDIVIDUAL MEDLEY
2:25.57 Kevin M Raab 20	56.24 Matthew Dunn 25	2:07.57 JOHN KEPPELER 92	2:09.21 CAMERON REID 87
2:36.42 Jeff D Maynor 20	56.65 William Gilbert 25	2:12.81 Scott Reed 29	2:15.04 Marcel Rinzler 28
2:41.12 Phillip Rand 23	57.20 Eric Wojta 28	2:14.97 Marcel Rinzler 28	2:17.10 Scott Reed 29
2:45.86 Justin Poche 21	57.25 Kevin Sherlock 29	2:23.66 Francisco Suro 28	2:18.81 Erik Crankshaw 27
2:47.98 C Alcott 24	57.27 Ryan T Bise 25	2:24.63 George Lathrop 26	2:20.11 Lee G Wanie 25
2:57.77 Travis Tedder 23	• 200 M. FREESTYLE	2:26.07 Carlton DeVooght 27	2:20.56 Tony Rezek 27
3:04.93 Steven Bergen 24	1:51.00 JOHN KEPPELER 96	2:26.56 Steve Hartsock 26	2:21.26 Grant Comer 25
3:25.62 Barrett Powers 19	2:02.13 Erik Crankshaw 27	2:28.26 James Ralph 26	2:23.16 Carlton DeVooght 27
• 50 M. BUTTERFLY	2:04.94 Matthew Dunn 25	2:28.77 Kevin Hurysz 25	2:23.79 Peter Hursty 26
25.71 DAVID LAWSON 95	2:05.25 Ken Dunlap 28	2:29.39 Andrew Farrell 29	2:24.31 Ken Dunlap 28
26.67 Mike Wencl 22	2:05.90 Andrew Farrell 29	2:30.31 Kurt Sprenger 29	2:25.74 Michael Steineman 25
26.76 Edward Goldstein 24	2:06.50 David Mason 26	• 50 M. BREASTSTROKE	• 400 M. INDIVIDUAL MEDLEY
26.90 Jeff D Maynor 21	2:06.70 Jason Hansen 26	28.98 SETH VAN NEERDEN 97	4:32.96 ALEX KOSTICH 97
27.16 Chris Fantz 22	2:07.36 Ed G Owen 28	29.39 Tony Rezek 27	4:52.96 Marcel Rinzler 28
27.62 Phillip Rand 23	2:07.82 Francisco Suro 28	29.90 Rob Butcher 27	5:06.14 Matthew Kinney 29
27.80 Matt Schlessman 24	2:08.10 Jon Frohlich 27	31.13 Todd Dreitzler 29	5:08.98 Carlton DeVooght 27
28.36 Stephen So 24	2:09.42 Ryan T Bise 25	32.49 Jason Hansen 26	5:12.70 Michael Steineman 25
28.65 Brian Beckstrom 24	• 400 M. FREESTYLE	32.91 Matthew Kinney 29	5:15.80 Kip Kirkpatrick 27
29.40 Chad Riegler 24	4:03.63 ALEX KOSTICH 97	33.02 Jonathan Banville 29	5:21.40 Andrew Farrell 29
29.49 J Armstrong 23	4:29.30 Erik Crankshaw 27	33.09 Donald Spellman 25	5:28.73 Brian Cunningham 27
• 100 M. BUTTERFLY	4:31.73 Andrew Farrell 29	33.11 David Simpson 27	5:31.53 Dalibor Vavra 26
57.10 BRAD BUDNEY 95	4:32.34 David Mason 27	33.24 James Ralph 26	5:41.10 Darrin Anderson 29
57.88 Joe Tristan 24	4:33.89 Brandon J Carter 28	33.43 Michael Steineman 25	6:49.12 Dickie Fernandez 28
59.25 Edward Goldstein 24	4:36.58 Matthew Dunn 25	• 100 M. BACKSTROKE	

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

MEN 30-34							
• 50 M. FREESTYLE		30.74 Jeffrey Roddin	30	27.59 Tim Niznik	31	1:57.68 ROWDY GAINES	94
22.80 ROBERT PEEL	96	30.81 Steve Parmentier	34	27.66 Steve Parmentier	34	2:03.55 Stuart Cromarty	35
23.78 Jeff Murray	30	30.89 Tom Northcutt	34	• 100 M. BUTTERFLY		2:04.56 Igor Vazhenin	35
24.21 Michael Halfast	34	31.23 Tim Niznik	31	56.64 MIKE BOTTOM	88	2:07.61 Doug Stewart	35
24.62 Ryan Bell	30	31.58 Kurt Dickson	32	57.45 Michael Sorensen	31	2:08.05 Mike Reid	38
24.94 Michael Sorensen	31	31.62 Andrew Pulsifer	33	58.41 Tyler Jourdonnais	34	2:08.40 Chris Weissman	37
25.40 Andrew Edmonson	32	32.13 Bill Cleveland	34	59.19 Jeffrey Roddin	30	2:08.77 Gary Morton	37
25.54 Doug Ellis	31	32.38 Barry King	34	1:00.88 Stuart Barton	31	2:08.95 Michael Burns	39
25.60 Jeffrey Roddin	30	• 100 M. BACKSTROKE		1:01.19 Bill Zolna	30	2:11.35 Michael Neal	35
25.65 Stuart Barton	31	58.66 SEAN MURPHY	94	1:02.63 Michael Bandow	31	2:11.91 John Pratt	36
26.11 Scott Tripps	30	1:02.66 Jeff Murray	30	1:03.07 Andrew Edmonson	32	2:12.72 Don Reyburn	37
26.28 Bill Zolna	30	1:03.51 Tyler Jourdonnais	34	1:03.11 Kurt Becker	33	• 400 M. FREESTYLE	
• 100 M. FREESTYLE		1:04.45 Scott Tripps	30	1:03.24 James Jordan	34	4:07.64 ROWDY GAINES	95
51.50 ROWDY GAINES	91	1:04.46 Jeffrey Roddin	30	1:03.40 Dave Holland	32	4:26.47 Igor Vazhenin	35
52.77 Jeff Murray	30	1:04.47 Roque Santos	31	• 200 M. BUTTERFLY		4:28.64 Doug Stewart	35
53.64 Michael Halfast	34	1:07.26 Kurt Dickson	32	2:03.85 BOBBY PATTEN	95	4:29.97 Doug Chestnut	35
54.79 Andrew Edmonson	32	1:07.57 James Jordan	34	2:15.34 Dave Holland	32	4:31.61 Todd Clark	35
54.88 Michael Sorensen	31	1:07.62 Steve Parmentier	34	2:17.05 Bill Zolna	30	4:32.11 Michael Burns	39
55.19 Ryan Bell	30	1:10.13 John Hudson	33	2:18.15 Roque Santos	31	4:37.74 Mike Reid	38
55.46 Stuart Barton	31	1:10.69 Daniel Hanson	32	2:20.01 Bruce Hopson	33	4:41.09 Jack Stavros	39
55.61 Chip L Hobson	32	• 200 M. BACKSTROKE		2:21.79 Kurt Becker	33	4:42.72 John Apker	38
55.73 Tyler Jourdonnais	34	2:05.62 SEAN MURPHY	94	2:26.29 Stephen A Stahl	34	4:44.81 Karl Kolb	38
57.74 Joseph Zimsen	30	2:20.18 Scott Tripps	30	2:27.35 S Rodiger	30	4:46.61 Tim Cepedes	39
58.13 Bartt Frey	33	2:23.97 Kurt Dickson	32	2:32.07 Stuart Barton	31	• 800 M. FREESTYLE	
• 200 M. FREESTYLE		2:26.72 Jeffrey Utsch	31	2:34.31 David Ackermann	34	8:38.73 ROWDY GAINES	95
1:54.04 ROWDY GAINES	90	2:28.78 Jeffrey Roddin	30	2:42.60 James M Wanderer	33	9:09.18 Igor Vazhenin	35
2:02.09 Chip L Hobson	32	2:29.74 Bruce Hopson	33	• 200 M. INDIVIDUAL MEDLEY		9:11.67 Doug Chestnut	35
2:03.16 Michael Halfast	34	2:33.66 Andrew Pulsifer	33	2:09.69 DAVID LUNDBURG	91	9:23.16 Todd Clark	35
2:07.09 Robbie Allen	34	2:35.98 Daniel Lende	30	2:13.99 Roque Santos	31	9:30.51 Michael Burns	39
2:07.76 Jeffrey Utsch	31	2:40.43 Bill Cleveland	34	2:18.04 Tyler Jourdonnais	34	9:38.70 Mike Reid	38
2:08.29 Stephen A Stahl	34	2:42.82 Eric Bonney	30	2:18.08 Michael Halfast	34	9:49.42 John Apker	38
2:08.93 Andrew Edmonson	32	2:44.44 Dan Frost	31	2:21.22 Bill Zolna	30	9:49.71 Doug Stewart	35
2:09.18 Dave Holland	32	• 50 M. BREASTSTROKE		2:21.42 Jeffrey Roddin	30	10:01.71 Paul Fetters	38
2:09.45 Matt Keller	30	29.42 DAVID GUTHRIE	92	2:21.80 Scott Tripps	30	10:01.80 Brent Bunnell	36
2:10.13 Bill Zolna	30	32.16 S Vankuilenburg	34	2:26.30 John Galloway	34	10:05.15 Mark Booth	39
2:10.53 Dale Mercker	32	32.19 Roque Santos	31	2:28.04 Joseph Zimsen	30	• 1500 M. FREESTYLE	
• 400 M. FREESTYLE		33.55 Norman Noe	30	2:31.15 Tom Northcutt	34	16:37.34 ROWDY GAINES	94
4:07.04 ROWDY GAINES	93	33.55 Dale Mercker	32	2:31.23 Dariusz Paczuski	33	17:27.06 Bobby Patten	36
4:23.01 Chip L Hobson	32	33.70 M Terahigshi	32	• 400 M. INDIVIDUAL MEDLEY		17:47.53 Todd Clark	35
4:30.14 Stuart Barton	31	33.71 Scott Tripps	30	4:40.22 SEAN MURPHY	94	18:30.18 Doug Stewart	35
4:31.19 Robbie Allen	33	33.74 Tom Northcutt	34	5:01.70 Bill Zolna	30	19:06.61 Karl Kolb	38
4:34.67 Michael Bandow	31	33.85 Jeff Seaman	32	5:10.89 Robbie Allen	34	19:14.16 Brent Bunnell	36
4:36.01 Tom Northcutt	34	34.10 John Galloway	34	5:17.31 Bruce Hopson	33	19:19.79 Bill Staebell	37
4:36.10 Dave Holland	32	34.25 Greg St Claire	33	5:17.66 Michael Bandow	31	19:31.46 Michael Burns	39
4:37.72 Ryan Bell	30	• 100 M. BREASTSTROKE		5:19.51 John Galloway	34	19:52.55 Mike Lang	37
4:38.10 Bill Zolna	30	1:05.64 SETH VAN NEERDEN	98	5:29.13 Dariusz Paczuski	33	20:10.83 Mark Booth	39
4:39.18 Matt Keller	30	1:09.35 Roque Santos	31	5:33.54 Patrick Mc Bride	30	20:19.36 John C Becker	35
4:41.50 Bruce Hopson	33	1:12.08 S Vankuilenburg	34	5:41.78 Kent Johnson	31	• 50 M. BACKSTROKE	
• 800 M. FREESTYLE		1:13.69 Dale Mercker	32	5:53.34 Bill Cleveland	34	27.60 J CLAY BRITT	99
8:40.19 ROWDY GAINES	93	1:14.54 John Galloway	34	6:01.39 Stuart Barton	31	27.60 J Clay Britt	38
8:59.54 Roque Santos	31	1:14.90 Norman Noe	30			29.12 Michael Fell	38
9:19.77 Robbie Allen	34	1:15.07 Tom Northcutt	34			29.79 Thomas Radam	37
9:39.84 Bruce Hopson	33	1:15.47 M Terahigshi	32			29.90 John Smith	37
9:58.81 Kelly Hibler	33	1:16.85 Dan Frost	31	• 50 M. FREESTYLE		30.35 Dave Gibson	39
10:05.08 Steve Vaughn	34	1:16.96 John Hudson	33	24.02 JAMES LILLEY	98	31.00 Jim Griffin	35
10:11.73 Dale Mercker	32	1:17.74 Radek Pospisil	30	24.62 Thomas Redig	38	31.68 David W Vidimos	38
10:18.69 Emad Elshafei	33	• 200 M. BREASTSTROKE		25.00 Wally Dicks	36	31.82 Jeff Siggins	36
10:25.52 Dan Frost	31	2:24.06 DAVID LUNDBERG	91	25.05 Michael Fell	38	31.93 Jason Crist	37
10:26.58 Cord-Pat Kamholz	33	2:43.25 S Vankuilenburg	34	25.16 John Smith	37	32.09 Don Reyburn	37
10:35.07 Jeffrey Hogg	34	2:43.44 Dale Mercker	32	25.42 Robert Young	35	• 100 M. BACKSTROKE	
• 1500 M. FREESTYLE		2:46.17 Dan Frost	31	25.46 Dave Gibson	39	1:00.13 J CLAY BRITT	99
16:36.06 BOBBY PATTEN	93	2:46.47 John Galloway	34	25.54 Chris Weissman	37	1:00.13 J Clay Britt	38
18:50.49 Stuart Patterson	30	2:49.32 Norman Noe	30	25.80 Norman Schippert	36	1:03.57 Michael Fell	38
18:57.46 Dale Mercker	32	2:51.68 Dariusz Paczuski	33	25.82 John Pratt	36	1:04.71 Thomas Radam	37
19:39.64 Kent Johnson	31	2:52.00 Radek Pospisil	30	25.93 Gary Morton	37	1:05.56 Doug Chestnut	35
20:16.10 David Turbow	30	2:52.16 Doug Adamvich	30	• 100 M. FREESTYLE		1:08.53 Jim Griffin	35
20:54.00 Eric Askerman	32	2:52.48 Thorsten Anderson	32	51.49 ROWDY GAINES	95	1:09.35 Jeff Siggins	36
20:57.67 Michael Lee	32	2:55.20 Patrick Mc Bride	30	53.97 Thomas Redig	38	1:09.42 Charlie Groen	39
20:58.36 Rick Rodgers	34	• 50 M. BUTTERFLY		55.18 Michael Fell	38	1:09.90 David W Vidimos	38
21:52.36 Bill Volckening	33	25.31 MIKE BOTTOM	88	56.48 Stuart Cromarty	35	1:11.99 Ron Taylor	39
22:13.56 Frank Starkey	30	25.77 Michael Sorensen	31	56.67 Chris Weissman	37	1:12.27 Dave Sanna	36
22:45.63 Neal Oyama	33	26.06 Tyler Jourdonnais	34	56.74 Dave Gibson	39	• 200 M. BACKSTROKE	
• 50 M. BACKSTROKE		26.51 Michael Halfast	34	56.83 Igor Vazhenin	35	2:13.83 TOM WOLF	90
27.26 SEAN MURPHY	94	26.58 Jeffrey Roddin	30	56.94 John Pratt	36	2:18.85 Thomas Radam	37
28.54 Scott Tripps	30	26.92 Jeff Murray	30	57.07 Gary Morton	37	2:20.80 Doug Chestnut	35
30.28 James Jordan	34	26.96 Andrew Edmonson	32	58.03 Mike Reid	38	2:30.66 Jeff Siggins	36
		27.21 Stuart Barton	31	58.41 Jon Smiley	38	2:34.13 Todd Clark	35
		27.59 James Jordan	34	• 200 M. FREESTYLE		2:35.99 Brent Bunnell	36

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

2:38.66 Edmund Gendreau 37	2:15.53 JAMES SORENSEN 98	9:29.53 Scott Rabalais 41	1:17.15 Neil Wasserman 44
2:38.70 Ron Taylor 39	2:17.27 Chris Weissman 37	9:30.18 Scott Shake 41	1:18.31 Jamie Louie 42
2:42.60 Jay Monroe 35	2:20.63 Thomas Radam 37	9:31.24 Neil Wasserman 44	200 M. BREASTSTROKE 98
2:45.00 Matthew Lind 35	2:21.13 Thomas Redig 38	9:31.74 Jim Callahan 42	2:29.77 RON SCHAFFER 98
2:45.43 Mark Booth 39	2:25.50 Jon Smiley 38	9:41.32 Larry Black 41	2:35.25 Ron Schafer 42
50 M. BREASTSTROKE	2:27.06 Dave Gibson 39	9:52.16 David Schrader 43	2:40.20 Pat Allender 41
29.09 WALLY DICKS 98	2:28.03 Roch King 36	9:54.87 Jim Stites 42	2:43.61 David Holland 41
29.74 Wally Dicks 36	2:28.63 Gerry Gray 39	9:57.31 Jim Matysek 40	2:43.79 Michael Hamm 42
31.25 Chris Weissman 37	2:31.44 Don Reyburn 37	1500 M. FREESTYLE	2:47.02 Gregory Dozer 41
31.53 Robert McAdam 37	2:31.90 Michael Neal 35	16:58.52 HESS YNTEMA 95	2:47.09 Jim Matysek 40
31.83 Plamen Alexandrov 38	2:32.83 Glenn Henry 38	17:05.53 Joseph Rhyne 41	2:47.24 Bruce Wencel 44
32.80 J Kochendorfer 39	400 M. INDIVIDUAL MEDLEY	18:25.34 Scott Shake 41	2:47.38 Neil Wasserman 44
33.41 Edmund Gendreau 37	4:50.27 JEFF STILING 95	18:27.74 Larry Black 41	2:51.12 Gennard Lanzara 41
33.41 Algernon Keith 39	5:02.12 Thomas Radam 37	18:30.75 Scott Rabalais 41	2:52.80 Ron Niedrich 40
33.55 John Smith 37	5:05.47 Todd Clark 35	18:34.01 Rick Heltzel 41	50 M. BUTTERFLY
33.90 John Stenroos 36	5:09.97 Doug Stewart 35	18:36.57 Andy Seibt 41	26.33 WILLIAM SPECHT 98
33.91 Kevin Rehnberg 36	5:22.60 Roch King 36	18:51.80 Nathan Nevid 42	26.37 William Specht 41
100 M. BREASTSTROKE	5:22.67 John Apker 38	18:54.96 David Schrader 43	26.97 Curt Lacount 41
1:05.03 WALLY DICKS 98	5:25.16 Gerry Gray 39	18:56.25 Tom Emison 41	26.97 Thomas McCabe 42
1:06.04 Wally Dicks 36	5:25.22 Edmund Gendreau 37	19:06.41 James Stewart 43	27.72 Louis Tudor 43
1:08.46 Chris Weissman 37	5:26.36 Jason Crist 37	50 M. BACKSTROKE	27.94 M Stinchcombe 42
1:09.83 Plamen Alexandrov 38	5:32.30 Jon Smiley 38	28.69 PETER ROCCA 99	28.10 Kerry O'Brien 42
1:12.37 J Kochendorfer 39	5:34.04 Bill Staebell 37	28.69 Peter Rocca 42	28.20 Jonathan Klein 42
1:13.40 Robert McAdam 37		28.88 William Specht 41	28.48 Chris Roth 40
1:14.16 Edmund Gendreau 37	MEN 40-44	29.37 Curt Lacount 41	28.58 Fritz Lehman 40
1:16.35 Anthony Thompson 35		29.38 Fritz Lehman 41	28.80 David VanDam 44
1:16.51 Algernon Keith 39	50 M. FREESTYLE	30.19 Carlos Berrocal 41	100 M. BUTTERFLY
1:17.07 Mark Vininski 36	24.39 RICK ABBOTT 95	30.48 Jonathan Klein 42	57.79 WILLIAM SPECHT 99
1:17.31 John Stenroos 36	25.18 James Sorensen 41	30.54 David VanDam 44	57.79 William Specht 41
200 M. BREASTSTROKE	25.48 Louis Tudor 43	31.26 Tom Wolf 44	1:00.46 James Sorensen 41
2:24.37 DAVID GUTHRIE 95	25.72 M Stinchcombe 42	31.37 Peter Metzger 44	1:01.24 Curt Lacount 41
2:31.24 Chris Weissman 37	25.81 Curt Lacount 41	31.52 Malcolm Cooper 42	1:01.66 Kerry O'Brien 42
2:33.45 Wally Dicks 36	25.83 Nate Leigh 43	100 M. BACKSTROKE	1:01.98 Chris Roth 40
2:35.93 Plamen Alexandrov 38	25.90 Michael Scott 42	1:02.48 WILLIAM SPECHT 98	1:03.68 Billy Glasstetter 41
2:43.86 J Kochendorfer 39	25.91 Fritz Lehman 41	1:03.12 William Specht 41	1:04.15 David VanDam 44
2:44.15 Edmund Gendreau 37	25.94 Thomas McCabe 42	1:03.51 Fritz Lehman 41	1:04.75 Nate Leigh 43
2:49.20 Anthony Thompson 35	25.97 Gary Schatz 44	1:03.73 Curt Lacount 41	1:05.02 Gregory Dozer 41
2:49.55 John Apker 38	26.02 Gregory Oxley 41	1:04.05 Scott Shake 41	1:05.32 Bruce Wencel 44
2:50.95 Jon Smiley 38	100 M. FREESTYLE	1:05.91 Jonathan Klein 42	200 M. BUTTERFLY
2:53.46 Mark Larson 36	53.78 JACK GROSELLE 98	1:08.74 Andreas Seibt 41	2:09.47 WILLIAM SPECHT 98
2:53.57 Mark Vininski 36	54.32 James Sorensen 41	1:09.22 Tom Wolf 44	2:12.66 Joseph Rhyne 41
50 M. BUTTERFLY	57.02 Gregory Oxley 41	1:09.77 Daniel Kealy 41	2:14.88 William Specht 41
25.89 THOMAS REDIG 99	57.18 Nate Leigh 43	1:10.02 Matthew Painter 40	2:20.58 Chris Roth 40
25.89 Thomas Redig 38	57.44 Thomas McCabe 42	1:10.15 Carlos Berrocal 41	2:23.57 Kerry O'Brien 42
27.02 John Smith 37	57.58 M Stinchcombe 42	200 M. BACKSTROKE	2:23.93 Neil Wasserman 44
27.06 John Pratt 36	58.42 Tom Emison 41	2:15.49 WILLIAM SPECHT 99	2:27.03 Billy Glasstetter 41
27.27 Dave Gibson 39	58.66 Gregory Dozer 41	2:15.49 William Specht 41	2:31.04 David VanDam 44
27.44 Edmund Gendreau 37	58.78 Louis Tudor 43	2:16.09 Scott Shake 41	2:31.16 Jim Stites 42
27.54 Norman Schippert 36	58.90 David Burleson 42	2:19.13 Joseph Rhyne 41	2:34.92 Michael Lemke 42
27.65 Dirk Marshall 36	58.94 Jonathan Klein 42	2:27.87 Jonathan Klein 42	2:41.48 Scott Rabalais 41
27.77 Robert Goldbloom 39	200 M. FREESTYLE	2:30.49 Andreas Seibt 41	200 M. INDIVIDUAL MEDLEY
27.81 Jason Crist 37	2:01.07 JOSEPH RHYNE 99	2:30.54 Matthew Painter 40	2:17.26 JAMES SORENSEN 99
28.07 Brian Starford 36	2:01.07 Joseph Rhyne 41	2:34.14 Raymond Keating 40	2:17.26 James Sorensen 41
100 M. BUTTERFLY	2:01.64 James Sorensen 41	2:34.70 Malcolm Cooper 42	2:26.55 Fritz Lehman 41
56.60 JEFF STUART 96	2:05.67 Nate Leigh 43	2:35.02 Daniel Kealy 41	2:26.74 Gregory Dozer 41
1:01.03 Thomas Redig 38	2:07.11 Thomas McCabe 42	2:35.36 Christophe Roth 40	2:27.11 Andreas Seibt 41
1:01.40 John Pratt 36	2:08.29 Gregory Dozer 41	50 M. BREASTSTROKE	2:28.73 Nathan Nevid 42
1:01.47 Edmund Gendreau 37	2:08.78 Jim Callahan 42	30.82 PEDER DAHLBERG 92	2:29.72 Bruce Wencel 44
1:01.69 Igor Vazhenin 35	2:08.81 Tom Emison 41	31.80 Ron Schafer 42	2:30.80 Billy Glasstetter 41
1:01.76 Dave Gibson 39	2:08.86 Scott Rabalais 41	32.43 Benn Doyle 40	2:32.07 Michael Hamm 42
1:02.03 Thomas Radam 37	2:09.70 Larry Black 41	32.71 Michael Hamm 42	2:33.69 Gennard Lanzara 41
1:02.24 Roch King 36	2:10.37 Pat Allender 41	33.26 David Holland 41	2:34.09 Raymond Keating 40
1:02.66 Gary Morton 37	400 M. FREESTYLE	33.94 Bruce Wencel 44	400 M. INDIVIDUAL MEDLEY
1:02.82 Jason Crist 37	4:15.86 JOSEPH RHYNE 99	34.08 Michael Leddy 40	4:53.03 HESS YNTEMA 95
1:02.88 Don Reyburn 37	4:15.86 Joseph Rhyne 41	34.17 Fritz Lehman 41	5:09.36 Neil Wasserman 44
200 M. BUTTERFLY	4:25.45 William Specht 41	34.31 Jim Matysek 40	5:15.11 Pat Allender 41
2:06.74 JEFF STUART 96	4:26.80 James Sorensen 41	34.41 Gregory Dozer 41	5:18.20 Chris Roth 40
2:18.13 Igor Vazhenin 35	4:29.83 Nate Leigh 43	35.06 John Voorhees 41	5:19.78 Jack Craffey 42
2:19.23 John Pratt 36	4:33.77 Neil Wasserman 44	100 M. BREASTSTROKE	5:20.70 Andreas Seibt 41
2:22.20 Todd Clark 35	4:34.00 Scott Rabalais 41	1:08.97 RON SCHAFFER 98	5:21.20 Bruce Wencel 44
2:24.36 Doug Stewart 35	4:34.26 Jim Callahan 42	1:10.87 Ron Schafer 42	5:21.30 Nathan Nevid 42
2:24.41 Edmund Gendreau 37	4:35.29 Larry Black 41	1:13.31 David Holland 41	5:23.35 Gregory Dozer 41
2:25.72 Stuart Cromarty 35	4:36.42 Andreas Seibt 41	1:13.95 Michael Hamm 42	5:24.95 Jim Callahan 42
2:28.51 Bill Staebell 37	4:36.89 Kerry O'Brien 42	1:14.12 Pat Allender 41	5:31.21 Bob Seagraves 42
2:32.60 Roch King 36	800 M. FREESTYLE	1:15.24 Gregory Dozer 41	
2:32.92 Mark Booth 39	8:48.69 JOSEPH RHYNE 99	1:15.61 Benn Doyle 40	MEN 45-49
2:38.91 Karl Kolb 38	8:48.69 Joseph Rhyne 41	1:15.76 Jim Matysek 40	
200 M. INDIVIDUAL MEDLEY	9:21.77 Nate Leigh 43	1:16.07 Bruce Wencel 44	50 M. FREESTYLE

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

24.94 JACK GROSELLE	99	31.70 James Bendtsen	45	1:02.47 BOO GRANER GALLAS	96	2:17.07 Richard Kittel	51
24.94 Jack Groselle	45	31.77 Jeffrey Lukens	46	1:04.97 John Craig	45	2:17.85 Homer Lane	50
26.23 Michael Mann	45	31.89 Lang Meem	45	1:05.19 Kevin McCormack	47	2:18.48 Bill Darby	52
26.25 Jeffrey Lukens	46	31.95 Richard Bober	48	1:05.60 Jim Bendtsen	45	2:18.63 Tim A Birnie	53
26.42 John Spire	47	32.69 Thomas Bliss	45	1:05.92 John McCall	48	2:19.24 Steve Heck	50
26.51 Donald Graham	45	▪ 100 M. BACKSTROKE		1:06.11 Gregory Ellison	47	2:20.51 Donald Galine	54
26.51 Casey Claflin	46	1:03.72 TOM WOLF	99	1:06.12 David Tanner	49	2:20.54 Frank Warner	50
26.60 Phil Dodson	46	1:07.46 James Bendtsen	45	1:06.16 Casey Claflin	46	2:20.90 Gaard Arneson	51
26.65 Eric Van Boer	45	1:07.49 Casey Claflin	46	1:07.04 Jeff Strnad	47	▪ 400 M. FREESTYLE	
26.68 Larry Krauser	46	1:07.53 Mark Pugliese	47	1:07.34 Donald Graham	45	4:32.51 R TOD SPIEKER	98
26.84 Robert Puels	48	1:08.77 Jeffrey Lukens	46	1:07.38 Michael Heather	45	4:33.86 Michael Sherrill	50
▪ 100 M. FREESTYLE		1:09.81 Lang Meem	45	▪ 200 M. BUTTERFLY		4:39.40 R Tod Spieker	51
53.90 JACK GROSELLE	99	1:10.01 Thomas Bliss	45	2:21.84 BOO GRANER GALLAS	96	4:55.46 Mal Jester	50
53.90 Jack Groselle	45	1:10.82 Richard Bober	48	2:28.01 David Tanner	49	4:55.53 Bill Darby	52
57.37 Michael Mann	45	1:12.16 Scott McMillen	46	2:29.17 John Craig	45	4:56.29 Gaard Arneson	51
58.43 Phil Dodson	46	1:12.18 Donald Graham	45	2:34.14 Paul Feters	46	4:58.58 Marvin Schwartz	51
58.44 John Spire	47	▪ 200 M. BACKSTROKE		2:34.97 Robert Wright	45	5:00.22 Keith Bell	50
58.82 James Bendtsen	45	2:21.66 TOM WOLF	99	2:35.20 Larry Wood	45	5:03.46 Jorge Gonzalez	50
59.13 Gregory Ellison	47	2:21.66 Tom Wolf	45	2:36.38 John McCall	48	5:05.08 Gary Brenner	52
59.27 Jeffrey Lukens	46	2:28.05 Paul Feters	46	2:38.39 Jeff Strnad	46	5:08.69 Homer Lane	50
59.33 Lee Mench	47	2:29.53 Casey Claflin	46	2:40.00 Phil Dodson	46	▪ 800 M. FREESTYLE	
59.34 Larry Wood	45	2:29.96 Mark Pugliese	47	2:42.96 David Levinson	49	9:27.52 R TOD SPIEKER	98
59.41 Kevin Polansky	49	2:31.09 Lang Meem	45	2:43.29 Michael Heather	45	9:30.93 Mike Sherril	50
▪ 200 M. FREESTYLE		2:31.19 Thomas Bliss	45	▪ 200 M. INDIVIDUAL MEDLEY		9:33.99 R Tod Spieker	51
2:01.54 JACK GROSELLE	99	2:31.92 Frank Thompson	48	2:22.06 TIM BRODERICK	96	10:07.44 Jorge Gonzalez	50
2:01.54 Jack Groselle	45	2:36.26 Scott McMillen	46	2:23.04 Michael Mann	45	10:13.60 Gaard Arneson	51
2:04.36 Jim McConica	49	2:37.20 David Bright	46	2:24.36 Tom Wolf	45	10:19.90 Bill Darby	52
2:09.11 Larry Wood	45	2:37.57 Jon Rysdon	48	2:29.48 Casey Claflin	46	10:21.86 Marvin Schwartz	51
2:10.97 John Spire	47	▪ 50 M. BREASTSTROKE		2:30.03 Lang Meem	45	10:25.55 Stephen Johnson	51
2:11.00 Michael Mann	45	31.54 C MILTENBERGER	98	2:31.73 Thomas Bliss	45	10:34.11 John Nolan	51
2:11.68 Kevin Polansky	49	32.27 Jack Groselle	45	2:32.53 Scott McMillen	46	10:40.21 Gary Brenner	52
2:12.26 Leonard Brockhahn	49	33.35 Richard Bohan	48	2:33.68 Richard Bohan	48	10:43.07 Dave Gemmill	52
2:13.01 Russell Frazier	45	34.36 John Templin	45	2:35.58 Russell Frazier	45	▪ 1500 M. FREESTYLE	
2:13.73 Lee Mench	47	34.47 Robert Puels	48	2:36.45 Jim Bendtsen	45	18:04.63 R TOD SPIEKER	98
2:13.96 Jeff Strnad	47	34.56 C Miltenberger	48	2:38.76 John Templin	45	18:17.91 R Tod Spieker	51
▪ 400 M. FREESTYLE		34.62 Ralph Bovard	47	▪ 400 M. INDIVIDUAL MEDLEY		19:10.00 Jorge Gonzalez	50
4:21.16 JIM MCCONICA	99	34.83 James Huguenaud	45	5:10.08 TIM BRODERICK	96	19:49.94 Gaard Arneson	51
4:21.16 Jim McConica	49	35.09 Gary Shaw	45	5:13.79 Tom Wolf	45	19:58.10 Michael Sherrill	50
4:37.85 Michael Mann	45	35.37 E Wayne Pearce	45	5:19.52 Michael Mann	45	20:19.56 John Nolan	51
4:40.09 Larry Wood	45	35.51 Dale Korner	47	5:22.73 Lang Meem	45	20:34.91 John Edwards	51
4:42.53 Jeff Strnad	46	▪ 100 M. BREASTSTROKE		5:23.04 Paul Feters	46	20:51.76 Gary Brenner	52
4:44.89 Kevin Polansky	49	1:12.29 JACK GROSELLE	99	5:33.13 Russell Frazier	45	20:59.27 Gregory Willis	51
4:45.47 Rick Walker	49	1:12.29 Jack Groselle	45	5:34.32 Thomas Bliss	45	21:03.96 Roger Jorgensen	51
4:46.12 Russell Frazier	45	1:14.61 Richard Bohan	48	5:35.55 Scott McMillen	46	21:38.21 Frank McQuiggan	51
4:47.25 Leonard Brockhahn	49	1:14.93 Dale Korner	47	5:36.16 Jeff Strnad	47	▪ 50 M. BACKSTROKE	
4:47.75 Phil Dodson	46	1:15.90 John Templin	45	5:36.70 Mark Pugliese	47	30.63 HUGH WILDER	97
4:50.62 Larry Krauser	46	1:17.28 James Huguenaud	45	5:42.76 Robert Wright	45	31.80 Tim A Birnie	53
▪ 800 M. FREESTYLE		1:17.32 Robert Puels	48	MEN 50-54		32.72 Steve Heck	50
8:58.84 JIM MCCONICA	99	1:18.25 C Miltenberger	48	▪ 50 M. FREESTYLE		32.78 Nathan Leech	50
8:58.84 Jim McConica	49	1:18.65 E Wayne Pearce	45	24.60 RICHARD ABRAHAMS	98	33.54 Homer Lane	50
9:45.07 Larry Wood	45	1:18.72 Ralph Bovard	47	26.36 Tom Geiman	50	33.80 Frank Warner	50
9:45.75 Rick Walker	49	1:20.97 Gary Shaw	45	26.58 Roger Hawkins	51	33.83 Bob Kolonowski	51
9:51.86 Russell Frazier	45	▪ 200 M. BREASTSTROKE		26.79 Steve Heck	50	34.03 Richard Kittel	51
9:51.86 Jeff Strnad	46	2:41.13 GREG HARRISON	97	26.82 Bill Barthold	50	34.21 John Enterline	52
9:58.60 Paul Feters	46	2:42.74 Richard Bohan	48	26.99 Robert Strand	53	34.87 Scott Arnold	50
10:03.38 Scott Harris	46	2:50.19 John Templin	45	27.26 Michael Ahern	54	35.46 Michael L Ahern	54
10:08.02 Frank Thompson	48	2:53.04 James Huguenaud	45	27.31 Marc Anderson	50	▪ 100 M. BACKSTROKE	
10:08.04 Larry Krauser	46	2:57.03 Thomas Bliss	45	27.67 Homer Lane	50	1:07.16 HUGH WILDER	97
10:10.53 Robert Wright	45	2:59.29 Ralph Bovard	47	27.68 Douglas Prentice	51	1:08.74 Tim A Birnie	53
▪ 1500 M. FREESTYLE		2:59.37 Rick Walker	49	27.69 Bob Sinsheimer	50	1:11.26 Bill Barthold	50
17:31.23 TODD BRYAN	98	2:59.47 Robert Liotta	48	▪ 100 M. FREESTYLE		1:12.84 R Tod Spieker	51
18:39.17 Jeff Strnad	47	3:01.32 David Levinson	49	56.98 RICHARD ABRAHAMS	98	1:13.05 Nathan Leech	50
18:40.51 Larry Wood	45	3:02.20 Robert Seltzer	48	59.84 Tom Geiman	50	1:13.61 Steve Heck	50
18:45.84 Rick Walker	49	▪ 50 M. BUTTERFLY		1:00.65 Bill Barthold	50	1:15.03 Richard Kittel	51
18:53.69 Kevin Polansky	49	27.12 DAN THOMPSON	92	1:00.73 Roger Hawkins	51	1:15.17 Bob Sinsheimer	50
19:10.86 Richard Stone	48	27.61 Jack Groselle	45	1:00.79 Robert Strand	53	1:15.62 Robert Strand	53
19:10.14 Russell Frazier	45	27.63 Jim O'Connor	46	1:00.86 Michael Ahern	54	1:16.12 Frank Warner	50
19:42.41 Frank Thompson	48	28.05 Donald Graham	45	1:01.93 Homer Lane	50	1:17.33 Donald Galine	54
19:48.39 David Owen	47	28.13 Frederick Ehmke	45	1:01.94 Donald Galine	54	▪ 200 M. BACKSTROKE	
19:48.55 Paul Windrath	45	28.25 Mark Pugliese	47	1:02.00 Richard Kittel	51	2:27.01 R TOD SPIEKER	98
19:54.19 Robert Wright	45	28.39 Kevin McCormack	47	1:02.04 Steve Heck	50	2:28.19 R Tod Spieker	51
▪ 50 M. BACKSTROKE		28.59 Casey Claflin	46	1:02.26 Bob Sinsheimer	50	2:32.08 Tim A Birnie	53
29.85 TOM WOLF	99	28.76 Gregory Ellison	47	▪ 200 M. FREESTYLE		2:37.61 Bill Barthold	50
29.85 Tom Wolf	45	29.06 John McCall	48	2:07.17 FRED SCHLICHER	98	2:41.53 Nathan Leech	50
30.07 Casey Claflin	46	29.17 James Bendtsen	45	2:09.03 Michael Sherrill	50	2:46.91 Frank Warner	50
30.88 John Spire	47	▪ 100 M. BUTTERFLY		2:09.92 R Tod Spieker	51	2:47.12 Richard Kittel	51
31.22 Donald Graham	45					2:47.51 Steve Heck	50
31.27 Mark Pugliese	47					2:49.62 Bob Sinsheimer	50

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

2:50.55 Michael Fox 50	2:37.03 R Tod Spieker 51	11:23.39 Dan Willert 57	2:52.94 KENNETH FROST 99
2:55.94 Gregory Willis 51	2:40.11 Nathan Leech 50	11:30.34 C William Muter 57	2:52.94 Kenneth Frost 55
• 50 M. BREASTSTROKE	2:42.12 John Derr 50	11:42.51 Jack Geoghegan 57	2:57.91 Tegze Haraszti 58
32.16 ROBERT STRAND 98	2:43.96 Dave Gemmill 52	11:43.08 Robert Tesch 58	3:00.00 David R Gildea 56
32.75 Robert Strand 53	2:44.04 John R Sultan 52	11:46.73 Ken Burr 55	3:00.10 Peter Andersen 56
33.85 Allen Stark 50	2:45.39 Michael Fox 50	• 1500 M. FREESTYLE	3:07.22 Phil Whitten 56
34.70 Clay Kolar 50	2:46.32 Michael Ahern 54	19:54.72 BURWELL JONES 90	3:07.34 Peter Betzer 57
34.71 Mal Jester 50	2:47.32 Roger Jorgensen 51	20:16.65 Tegze Haraszti 58	3:07.96 Jim Pelissier 55
35.58 Will Charbonneau 52	• 400 M. INDIVIDUAL MEDLEY	20:56.11 Bob Coale 59	3:08.36 Allen Murray 55
36.23 Nathan Leech 50	5:20.78 JOHN CLAVERT 96	21:27.59 Dan Willert 57	3:11.42 Mike Freshley 58
36.87 Paul Jeffers 53	5:30.14 R Tod Spieker 51	21:48.23 Don M Davis 55	3:16.24 Mel Dyck 58
36.89 John Derr 50	5:47.54 Mal Jester 50	21:57.30 William Gosnold 59	• 50 M. BUTTERFLY
36.92 John Enterline 52	5:54.18 Gaard Arneson 51	22:18.50 David Quiggin 55	28.22 KEEFE LODWIG 98
37.15 Steve Heck 50	5:56.39 John Derr 50	22:24.01 Steven Kovary 58	29.62 James Elder 56
• 100 M. BREASTSTROKE	6:01.45 Dave Gemmill 52	22:37.07 Patrick Schlup 59	29.86 Robert Poiletman 55
1:11.90 ROBERT STRAND 98	6:02.20 Michael Fox 50	22:50.72 Ken M Burr 55	29.88 C William Muter 57
1:13.79 Robert Strand 53	6:02.58 Bill Vogler 50	23:13.21 Richard Monahan 58	30.78 Jim Dragon 55
1:17.09 Allen Stark 50	6:06.03 Keith Bell 50	• 50 M. BACKSTROKE	30.93 Robert Olson 55
1:17.41 Will Charbonneau 52	6:09.80 Hop Bailey 52	31.52 ROBERT SMITH 98	31.39 Richard Alexander 55
1:17.59 Clay Kolar 50	6:13.77 Clay Kolar 50	32.02 Richard Burns 56	31.79 David Quiggin 55
1:19.28 Mal Jester 50		33.10 Richard Alexander 55	32.08 Robert Bennett 56
1:19.42 Steve Heck 50	<b>MEN 55-59</b>	33.63 Robert Smith 56	32.28 Sonny Garrett 55
1:19.88 Paul Jeffers 53		35.36 Jim Dragon 55	32.79 Ed Sperr 55
1:20.19 Nathan Leech 50	• 50 M. FREESTYLE	35.91 Jack Geoghegan 57	• 100 M. BUTTERFLY
1:21.44 John Derr 50	26.33 STEVE CLARK 98	35.97 C William Muter 57	1:06.71 ROBERT POILETMAN 99
1:22.04 Kenneth Frost 54	27.00 James Elder 56	36.27 Hugh Roddin 57	1:06.71 Robert Poiletman 56
• 200 M. BREASTSTROKE	27.19 Jim Dragon 55	36.58 Peter Betzer 57	1:11.47 C William Muter 57
2:40.57 ROBERT STRAND 96	27.60 Robert Olson 55	36.76 Harold Murray 58	1:12.55 Hugh Roddin 57
2:45.11 Robert Strand 53	27.69 Jerry Greenberg 58	37.01 Phillip Whitten 55	1:15.17 James Elder 56
2:51.84 Mal Jester 50	28.54 Richard Burns 56	• 100 M. BACKSTROKE	1:20.79 Kenneth Bergquist 55
2:53.58 Will Charbonneau 52	28.70 David Quiggin 55	1:10.53 RICHARD BURNS 99	1:25.50 Gerald Simpson 58
2:54.19 Allen Stark 50	28.74 Robert Smith 56	1:10.53 Richard Burns 56	1:27.28 Edward Gaulrapp 57
2:55.00 Steve Heck 50	28.84 Peter Andersen 56	1:13.30 Richard Alexander 55	1:31.83 Alan Becker 57
2:56.43 Clay Kolar 50	28.93 Mike Freshley 58	1:14.13 Robert Smith 56	1:33.58 Richard Olden 57
2:58.78 John Derr 50	29.24 William Gosnold 59	1:16.51 Edward G Cazalet 57	1:35.98 Peter Ronay 56
3:02.94 David Ugarkovich 51	• 100 M. FREESTYLE	1:17.26 Hugh Roddin 57	• 200 M. BUTTERFLY
3:04.22 Steven Peterson 53	58.41 TIMOTHY GARTON 98	1:18.26 Tegze Haraszti 58	2:35.40 ROBERT POILETMAN 99
3:05.31 George Brown 52	1:02.58 James Elder 56	1:20.56 Peter Betzer 57	2:35.40 Robert Poiletman 56
• 50 M. BUTTERFLY	1:03.33 David Quiggin 55	1:21.73 George Quigley 59	2:54.38 Hugh Roddin 57
27.13 RICHARD ABRAHAMS 98	1:03.33 Richard Burns 56	1:21.75 Eric Jensen 58	2:59.65 C William Muter 57
28.48 Tom Geiman 50	1:03.35 Jerry Greenberg 58	1:24.10 E Norman Scott 55	3:21.71 Alan Becker 57
29.18 Steve Heck 50	1:04.36 Robert Olson 55	• 200 M. BACKSTROKE	3:25.74 Patrick Madden 59
29.30 Joel Burns 53	1:04.43 Tom Landis 57	2:37.14 RICHARD BURNS 99	3:30.14 Gerald Simpson 58
29.47 John Derr 50	1:04.61 George C Viguie 55	2:37.14 Richard Burns 56	3:36.17 Vince Herring 56
29.83 Arthur Deffaa 51	1:04.98 William Gosnold 59	2:48.65 Ralph Johanson 59	3:36.38 Edward Gaulrapp 57
29.94 Michael Ahern 54	1:04.99 Don Davis 55	2:51.97 Hugh Roddin 57	3:46.55 Peter Ronay 56
30.47 Roger Hawkins 51	1:05.25 Robert Smith 56	2:52.54 Tegze Haraszti 58	3:53.06 Ken Heuck 55
30.49 Randy Brown 51	• 200 M. FREESTYLE	2:55.93 Peter Betzer 57	• 200 M. INDIVIDUAL MEDLEY
30.59 Tom Meade 52	2:15.35 KEEFE LODWIG 98	2:56.02 Eric Jensen 58	2:32.96 TIMOTHY GARTON 98
30.69 Bob Sinsheimer 50	2:25.88 Tom Landis 57	2:56.91 George Quigley 59	2:45.40 Kenneth Frost 55
• 100 M. BUTTERFLY	2:27.72 Don Davis 55	2:58.59 Robert Poiletman 56	2:45.93 Edward G Cazalet 57
1:02.25 RICHARD ABRAHAMS 98	2:29.40 William Gosnold 59	2:58.96 Jim Pelissier 55	2:46.90 C William Muter 57
1:06.41 Tom Geiman 50	2:30.31 David Quiggin 55	3:00.29 C William Muter 57	2:50.72 Tom Landis 57
1:08.08 Joel Burns 53	2:30.69 George C Viguie 55	• 50 M. BREASTSTROKE	2:51.68 Jim Pelissier 55
1:08.33 Arthur Deffaa 51	2:32.52 David R Gildea 56	33.75 PETER ANDERSON 99	2:56.06 Eric Jensen 58
1:09.48 Randy Brown 51	2:32.54 Jack Geoghegan 57	33.75 Peter Andersen 56	2:56.10 Peter Betzer 57
1:09.64 Steve Heck 50	2:34.16 Dan Willert 57	34.55 Jim Dragon 55	2:56.45 Robert Olson 55
1:11.92 Glenn A Storey 50	2:38.35 Ken Burr 55	34.65 Kenneth Frost 55	2:57.61 Mike Freshley 58
1:12.10 John Derr 50	2:39.65 Allen Murray 55	36.14 Scott Guthrie 55	3:00.37 James Elder 56
1:13.78 Joseph Coplan 54	• 400 M. FREESTYLE	36.99 Peter Betzer 57	• 400 M. INDIVIDUAL MEDLEY
1:14.77 Dave Gemmill 52	4:53.53 JACK GEOGHEGAN 97	37.07 Peter Oroszlan 55	5:43.33 TIMOTHY GARTON 98
1:15.72 Paulo Figueiredo 53	5:15.80 Tom Landis 57	37.62 David R Gildea 56	6:06.05 C William Muter 57
• 200 M. BUTTERFLY	5:17.10 Don Davis 55	37.72 Jim Pelissier 55	6:12.05 Hugh Roddin 57
2:26.34 FRED SCHLICHER 98	5:22.03 William Gosnold 59	38.03 Bud Blanchard 55	6:28.25 Peter Betzer 57
2:39.51 Keith Bell 50	5:23.16 C William Muter 57	38.21 Louis Kronfeld 56	6:50.36 Alan Becker 57
2:48.40 Bill Vogler 50	5:23.92 David Quiggin 55	• 100 M. BREASTSTROKE	6:50.72 Bob Hopkins 57
2:51.11 Gaard Arneson 51	5:33.42 Dan Willert 57	1:17.87 JOHN KORTHEUER 88	6:56.65 Patrick Madden 59
2:51.14 Marvin Schwartz 51	5:36.32 Alan Somers 58	1:18.20 Kenneth Frost 55	7:02.58 Russ Callen 55
2:56.66 Randy Brown 51	5:36.50 David R Gildea 56	1:19.06 Peter Andersen 56	7:04.16 Gary H Cramer 57
3:00.40 Francis Dann 53	5:40.70 Mike Freshley 58	1:20.70 Jim Dragon 55	7:04.18 Donald Kroeger 56
3:06.56 Gregory Willis 51	5:42.14 Ken M Burr 55	1:22.18 David R Gildea 56	7:04.50 Gerald Simpson 58
3:13.01 Bill Bobsin 51	• 800 M. FREESTYLE	1:22.26 Tegze Haraszti 58	
3:17.12 John Graham 54	10:25.67 DRURY GALLAGHER 96	1:24.40 Jim Pelissier 55	<b>MEN 60-64</b>
3:40.09 Alvaro Pastor 52	10:42.05 Tegze Haraszti 58	1:24.53 Peter Betzer 57	• 50 M. FREESTYLE
• 200 M. INDIVIDUAL MEDLEY	10:53.83 Tom Landis 57	1:24.85 Allen Murray 55	26.70 JEFF FARRELL 98
2:28.70 TIMOTHY GARTON 93	10:55.25 Bob Coale 59	1:25.07 Phil Whitten 56	27.39 Jeff Farrell 62
2:32.75 Steve Heck 50	11:10.73 Don Davis 55	1:25.73 Don Davis 55	28.03 Jerry Clark 62
2:35.39 Mal Jester 50	11:20.28 William Gosnold 59	• 200 M. BREASTSTROKE	



# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

28.06 Cav Cavanaugh 64	40.90 Bill Mulliken 60	1:23.38 A Emory Haworth 63	2:45.25 Richard Weick 65
28.52 Tom Winters 60	41.38 Bob Bailie 63	1:24.40 Barry A Fasbender 62	2:45.91 David Anderson 68
29.16 James Krueger 61	• 100 M. BACKSTROKE	1:25.30 Jim Perilman 60	2:46.66 John Ries 68
29.99 Rolffs Pinkerton 60	1:14.72 YOSHI OYAKAWA 94	1:28.41 Bill Mulliken 60	2:47.13 Wayne Leengran 68
30.23 Bob Bailie 63	1:21.82 Lee Bettis 61	1:32.45 Bill McClung 60	2:49.70 Bill King 66
30.29 Ronald Nakata 60	1:24.22 Robert Norris 61	1:32.55 Dren Geer 64	• 400 M. FREESTYLE
30.47 David McIntyre 62	1:24.63 Rolffs Pinkerton 60	1:36.01 Roger Holthaus 60	5:03.36 GRAHAM JOHNSTON 96
30.79 Bill Earley 63	1:25.16 Jeff Farrell 62	1:41.78 Landon Kirchner 61	5:12.81 Graham Johnston 68
• 100 M. FREESTYLE	1:28.88 Dick A Peterson 62	• 200 M. BUTTERFLY	5:34.75 David Radcliff 65
1:00.11 JEFF FARRELL 98	1:30.55 George Thayer 63	2:53.53 DRURY GALLAGHER 99	5:43.25 William Lauer 65
1:01.66 Jeff Farrell 62	1:30.77 Bill Earley 63	2:53.53 Drury Gallagher 61	5:43.70 Dren Geer 65
1:02.67 Cav Cavanaugh 64	1:33.17 John Trainer 62	3:12.69 Mel Goldstein 61	5:52.09 George Brunstad 65
1:03.55 Jerry Clark 62	1:33.43 Sherrill Martin 62	3:20.82 A Emory Haworth 63	5:56.40 David Anderson 68
1:07.75 David Harrison 62	1:34.15 Barry A Fasbender 62	3:24.94 Jim E Perilman 60	6:00.28 Wayne Leengran 68
1:08.46 Ernie Leskovitz 61	• 200 M. BACKSTROKE	3:26.27 Barry Fasbender 62	6:00.38 Bill King 66
1:09.41 Sid Hall 64	2:45.93 DON BROWN 93	3:41.64 Landon Kirchner 61	6:08.72 Robert W Mayo 65
1:09.87 Ronald Nakata 60	3:02.23 Lee Bettis 61	3:42.94 Bill McClung 60	6:13.32 Fred Lehman 69
1:10.40 Dren Geer 64	3:05.76 Robert F Norris 61	4:10.25 David Gillanders 60	• 800 M. FREESTYLE
1:11.22 Rolffs Pinkerton 60	3:08.68 Rolffs Pinkerton 60	4:11.20 Roger Holthaus 60	10:29.26 GRAHAM JOHNSTON 97
1:12.87 Lawrence Cohen 64	3:16.36 Bill Mulliken 60	4:15.56 E Morgan 60	10:45.91 Graham Johnston 68
• 200 M. FREESTYLE	3:16.39 Joel Jacobs 63	• 200 M. INDIVIDUAL MEDLEY	11:45.56 David Radcliff 65
2:20.54 JEFF FARRELL 98	3:18.03 Dick A Peterson 62	2:41.71 DRURY GALLAGHER 99	12:03.60 George Brunstad 65
2:21.60 Drury Gallagher 61	3:21.22 John Medici 61	2:41.71 Drury Gallagher 61	12:15.20 David Anderson 68
2:23.90 Jeff Farrell 62	3:21.70 William Crowley 60	2:53.34 Jeff Farrell 62	12:23.59 Wayne Leengran 68
2:25.51 Jerry Clark 62	3:23.61 Sherrill Martin 62	3:00.70 Mel Goldstein 61	12:36.95 Alan Rapperport 66
2:25.62 Cav Cavanaugh 64	3:24.72 Bill Earley 63	3:02.72 Dick A Peterson 62	12:42.28 Robert W Mayo 65
2:30.13 David Harrison 62	• 50 M. BREASTSTROKE	3:02.80 William Crowley 60	12:42.35 Bill King 66
2:30.34 Ernie Leskovitz 61	35.61 TOM WINTERS 99	3:03.10 Ronald Nakata 60	12:47.42 Dren Geer 65
2:39.95 Dren Geer 64	35.61 Tom Winters 60	3:05.76 Bill Mulliken 60	13:03.10 Tom Taylor 68
2:44.47 Rolffs Pinkerton 60	37.15 George Downs 60	3:05.84 Tom Winters 60	• 1500 M. FREESTYLE
2:46.29 Lee Bettis 61	37.28 Jeff Farrell 62	3:11.57 A Emory Haworth 63	20:16.54 GRAHAM JOHNSTON 96
2:46.34 Lawrence Cohen 64	38.21 Bill Mulliken 60	3:12.25 Cav Cavanaugh 63	21:08.70 Graham Johnston 68
• 400 M. FREESTYLE	38.35 Karl Wiedemann 61	• 400 M. INDIVIDUAL MEDLEY	22:55.86 David Radcliff 65
5:02.70 GRAHAM JOHNSTON 91	39.04 James Krueger 61	6:02.79 DRURY GALLAGHER 99	22:56.17 Wayne Leengran 68
5:04.45 Drury Gallagher 61	39.55 Milton Gee 62	6:02.79 Drury Gallagher 61	23:22.84 George Brunstad 65
5:11.88 David Harrison 62	39.93 Jim Perilman 60	6:33.91 Mel Goldstein 61	24:04.81 Bill King 66
5:16.37 Ernie Leskovitz 61	39.97 William Crowley 60	6:40.88 Dick Peterson 62	24:12.21 Dren Geer 65
5:19.75 Jerry Clark 62	40.51 Donald Puchalski 60	6:47.73 William Crowley 60	24:16.04 Buddy Belshe 65
5:41.58 Cav Cavanaugh 64	• 100 M. BREASTSTROKE	7:01.81 A Emory Haworth 63	24:29.00 Robert W Mayo 65
5:48.35 Bill Mulliken 60	1:19.82 DRURY GALLAGHER 99	7:02.46 Joel Jacobs 63	24:38.16 Alan Rapperport 66
5:56.87 John Medici 61	1:19.82 Drury Gallagher 61	7:02.80 Barry Fasbender 62	24:44.39 Tom Taylor 68
6:02.67 Lawrence Cohen 64	1:26.84 George Downs 60	7:15.89 Landon Kirchner 61	• 50 M. BACKSTROKE
6:03.13 A Emory Haworth 63	1:27.37 Bill Mulliken 60	7:26.12 James Johnsen 64	33.54 YOSHI OYAKAWA 99
6:03.71 Dren Geer 64	1:28.49 Karl Wiedemann 61	7:31.53 John Medici 61	33.54 Yoshi Oyakawa 66
• 800 M. FREESTYLE	1:29.41 Bob Patten 64		36.50 Ronald Johnson 68
10:29.40 DRURY GALLAGHER 99	1:30.61 Jim Perilman 60	MEN 65-69	37.29 Donald L Brown 66
10:29.40 Drury Gallagher 61	1:31.33 William Crowley 60	• 50 M. FREESTYLE	37.83 Clarke Mitchell 67
10:49.03 David Harrison 62	1:31.78 Dick Peterson 62	28.04 RONALD JOHNSON 98	38.04 Jack Beattie 65
11:14.05 Mel Goldstein 61	1:32.14 Jeff Farrell 62	29.04 Ron Johnson 68	38.40 Alan Rapperport 66
11:23.72 Jerry Clark 62	1:32.60 Donald Puchalski 60	29.48 Yoshi Oyakawa 66	39.06 George Gfroerer 66
12:25.17 John Medici 61	• 200 M. BREASTSTROKE	29.89 David Radcliff 65	39.72 Wally Dobler 65
12:27.80 Lawrence Cohen 64	2:58.78 DRURY GALLAGHER 99	30.23 Richard Weick 65	39.99 Richard L Bennett 68
12:31.17 Robert F Norris 61	2:58.78 Drury Gallagher 61	30.70 Graham Johnston 68	40.68 Larry Good 65
12:37.66 A Emory Haworth 63	3:15.49 Dick Peterson 62	31.26 Norman Stupfel 67	• 100 M. BACKSTROKE
12:44.29 Barry A Fasbender 61	3:15.55 Bill Mulliken 60	31.47 Dren Geer 65	1:16.78 YOSHI OYAKAWA 99
12:49.02 Jim Bigler 64	3:18.71 William Crowley 60	32.27 Daniel R Osborne 67	1:16.78 Yoshi Oyakawa 66
• 1500 M. FREESTYLE	3:21.33 Bob Patten 64	32.28 Bob Best 65	1:20.35 Donald L Brown 66
20:04.73 GRAHAM JOHNSTON 95	3:22.20 George Downs 60	32.38 Jack Beattie 65	1:20.87 Clarke Mitchell 67
20:32.74 David Harrison 62	3:22.97 Karl Wiedemann 61	• 100 M. FREESTYLE	1:23.11 Jack Beattie 65
20:43.56 Ernie Leskovitz 61	3:24.17 Joel Jacobs 63	1:05.09 JOHNSTON/JOHNSON 99	1:24.19 Alan Rapperport 66
22:55.37 Jeff Farrell 62	3:24.54 Jim Perilman 60	1:05.09 Ronald Johnson 68	1:27.44 Richard L Bennett 68
23:45.32 A Emory Haworth 63	3:27.62 Milton Gee 62	1:05.95 David Radcliff 65	1:28.27 Wally Dobler 65
24:07.90 Barry Fasbender 62	• 50 M. BUTTERFLY	1:07.17 Graham Johnston 68	1:33.22 Dren Geer 65
24:13.41 Lawrence Cohen 64	30.84 BERT PETERSEN 99	1:07.49 Yoshi Oyakawa 66	1:36.94 Robert Coulter 66
25:02.53 Robert F Norris 61	30.84 Bert Petersen 61	1:07.52 Dren Geer 65	1:37.64 Ken Kimball 69
25:08.84 Landon Kirchner 61	31.45 Jeff Farrell 62	1:09.80 Richard Weick 65	• 200 M. BACKSTROKE
25:29.13 Chris Saunders 60	31.78 Cav Cavanaugh 64	1:12.03 David Anderson 68	2:55.46 ROGER FRANKS 92
26:04.73 Konrad Euler 64	32.03 Joseph Lammert 60	1:12.22 John Ries 68	2:57.36 Donald L Brown 66
• 50 M. BACKSTROKE	32.38 Tom Winters 60	1:12.90 Robert W Mayo 65	3:05.30 Jack Beattie 65
33.13 YOSHI OYAKAWA 94	32.45 Ronald Nakata 60	1:13.59 Daniel R Osborne 65	3:06.58 Yoshi Oyakawa 66
35.40 David McIntyre 61	33.61 Bob Bailie 63	• 200 M. FREESTYLE	3:07.25 Alan Rapperport 66
36.88 Joseph Lammert 60	33.69 A Emory Haworth 63	2:22.18 GRAHAM JOHNSTON 96	3:14.47 Wally Dobler 65
36.93 Lee Bettis 61	33.82 James Krueger 61	2:25.82 Graham Johnston 68	3:17.71 Richard L Bennett 68
37.12 Bill Earley 63	34.27 Bill Earley 63	2:31.43 David Radcliff 65	3:18.69 Clarke Mitchell 67
37.31 Rolffs Pinkerton 60	• 100 M. BUTTERFLY	2:34.41 Dren Geer 65	3:22.41 Dren Geer 65
37.68 Marshall Greer 63	1:14.98 WALLY DOBLER 94	2:42.07 William Lauer 65	3:31.59 Chuck Wilmore 65
39.90 Robert Norris 61	1:17.79 Bert Petersen 61	2:44.42 Yoshi Oyakawa 66	3:34.43 John Bleck 66
39.96 Cav Cavanaugh 64	1:19.61 Mel Goldstein 61		• 50 M. BREASTSTROKE

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

36.42 MANUEL SANGUILY 98	3:25.70 George Brunstad 65	15:01.58 Elmer Luke 73	3:47.58 Robert Cunningham 71
38.23 John Kortheuer 68	3:27.37 John Bleck 66	15:02.15 Doug Strong 74	3:48.43 Irwin Stolz 70
38.78 Ronald Johnson 67	3:28.18 Clarke Mitchell 67	15:00 M. FREESTYLE	3:49.12 Frank Piemme 74
39.13 Bob Patten 65	3:32.17 Norman E Stupfel 66	22:59.14 ROGER FRANKS 98	3:52.59 Aaron Kurtzman 70
40.15 Myron Lockey 68	3:35.79 Charl Weatherbee 67	25:05.42 Harvey Prosser 71	3:53.00 Lee Arth 74
40.18 Bob Best 67	400 M. INDIVIDUAL MEDLEY	25:42.62 Robert Heritier 71	3:55.85 Thomas Maine 74
40.65 Richard Weick 65	6:08.44 GRAHAM JOHNSTON 96	26:24.96 Lee Arth 74	3:58.19 Alan Maloney 70
40.82 Norman Stupfel 67	6:45.05 William Lauer 65	26:42.04 W Morgan Byers 72	3:59.93 Daniel Gruender 70
41.20 Walter Lincoln 66	7:00.31 Herb Kern 67	27:06.91 Irwin Stolz 70	50 M. BUTTERFLY
42.45 Tom Taylor 68	7:08.65 Alan Rapperport 66	27:25.26 Fred W Trask 71	33.79 FRANK PIEMME 96
42.56 Bruce Williams 65	7:14.89 George Brunstad 65	28:07.03 Thomas Maine 74	35.71 Frank Piemme 74
100 M. BREASTSTROKE	7:19.30 Richard Weick 65	28:09.91 Elmer Luke 73	38.30 Aaron Kurtzman 70
1:24.16 MANUEL SANGUILY 98	7:29.79 Dren Geer 65	28:10.30 Mo Mathews 71	38.63 Joseph Kurtzman 73
1:24.79 Bob Patten 65	7:36.77 Walter Lincoln 66	28:57.39 Jordan Wolle 71	39.42 Dick Webber 70
1:30.78 John Kortheuer 68	7:39.22 Norman E Stupfel 66	50 M. BACKSTROKE	41.75 William Irwin 71
1:34.80 Myron Lockey 68	7:52.22 Gordon Gillin 68	37.10 PAUL HUTINGER 95	43.13 Robert MacDonald 71
1:34.88 Norman Stupfel 67	8:04.75 Charl Weatherbee 67	38.31 Peter van Dijk 70	43.74 Alan Maloney 70
1:35.12 Walter Lincoln 66		39.91 William B Peckham 70	44.87 Jack Mitchell 72
1:40.05 Lou McComas 67	<u>MEN 70-74</u>	39.97 Horace Knowlton 70	44.42 Luman Sutton 72
1:40.08 Frank B Nieman 66		40.74 Frank Campbell 73	46.17 Gene Sapper 70
1:41.01 John Bleck 66	50 M. FREESTYLE	41.74 Roger Franks 72	100 M. BUTTERFLY
1:41.86 Wesley Mayer 67	29.35 KELLEY LEMMON 84	43.39 Floyd Elliott 73	1:24.84 JOSEPH KURTZMAN 96
1:44.28 Bruce Williams 65	30.56 Frank Piemme 74	44.81 Frank Piemme 74	1:34.14 Joseph Kurtzman 73
200 M. BREASTSTROKE	31.79 Bob Congelliere 70	44.93 Tom Rigley 70	1:34.52 Robert MacDonald 71
3:10.23 RONALD JOHNSON 98	31.94 Peter van Dijk 70	45.29 Jack Mitchell 72	1:39.37 Frank Piemme 74
3:11.80 Ronald Johnson 68	31.96 Dick Webber 70	45.60 Dick Webber 70	1:39.80 Aaron Kurtzman 70
3:12.68 Bob Patten 65	33.49 William Dolan 70	100 M. BACKSTROKE	1:40.32 Charles Moss 71
3:31.01 Bob Best 67	34.60 Robert Heritier 71	1:24.14 PAUL HUTINGER 95	1:40.90 Thomas Maine 74
3:36.45 Norman Stupfel 67	35.28 Frank Campbell 73	1:26.25 Roger Franks 72	1:45.84 Roger Franks 72
3:36.52 Myron Lockey 68	35.56 Richard Labahn 71	1:26.55 Peter van Dijk 70	1:48.90 Lee Arth 74
3:37.13 Walter Lincoln 66	36.67 Jordan Wolle 71	1:29.95 Horace Knowlton 70	1:49.82 Jack Mitchell 72
3:39.92 Tom Taylor 68	36.75 August Motmans 71	1:34.88 Frank Campbell 73	1:51.68 Robert Cunningham 71
3:41.50 John Bleck 66	100 M. FREESTYLE	1:36.37 Floyd Elliott 73	200 M. BUTTERFLY
3:41.86 Frank B Nieman 66	1:10.16 FRANK PIEMME 95	1:37.87 Paul Hutinger 74	3:26.05 JOSEPH KURTZMAN 96
3:47.20 L Silverstein 65	1:10.92 Peter van Dijk 70	1:40.27 Luman Sutton 72	3:45.49 Thomas Maine 74
50 M. BUTTERFLY	1:12.48 Frank Piemme 74	1:40.56 F H Ted Haartz 71	3:49.01 Joseph Kurtzman 73
30.81 RONALD JOHNSON 98	1:16.22 Dick Webber 70	1:41.99 George Erswell 73	3:52.41 Charles Moss 71
31.44 Ronald Johnson 68	1:20.34 George Erswell 73	1:44.67 Harold Desmidt 70	3:55.88 Roger Franks 72
34.58 Herb Kern 67	1:22.05 Roger Franks 72	200 M. BACKSTROKE	3:59.31 Lee Arth 74
35.20 Richard Weick 65	1:22.68 Frank Campbell 73	3:04.42 ROGER FRANKS 97	4:05.00 Irwin Stolz 70
35.36 John Kortheuer 68	1:23.44 Richard Labahn 71	3:07.34 Roger Franks 72	4:24.07 Gene Sapper 70
35.66 Wally Dobler 65	1:24.71 Fred W Trask 71	3:17.31 Horace Knowlton 70	4:25.82 Aaron Kurtzman 70
37.88 Clarke Mitchell 67	1:27.07 Jordan Wolle 71	3:30.56 Floyd Elliott 73	4:46.10 Bruno Weber 72
38.41 Norman E Stupfel 66	1:28.36 Farrell Devlin 71	3:35.34 Lee Arth 74	4:49.37 Robert Cunningham 71
38.79 Dren Geer 65	200 M. FREESTYLE	3:38.64 Frank Campbell 73	200 M. INDIVIDUAL MEDLEY
39.55 George Gfroerer 66	2:37.00 WILLIAM PHILLIPS 98	3:41.27 F H Ted Haartz 71	3:08.99 FRANK PIEMME 96
39.93 Stan Morner 65	2:45.18 Frank Piemme 74	3:44.12 Thomas Maine 74	3:18.55 Frank Piemme 74
100 M. BUTTERFLY	2:47.24 Peter van Dijk 70	3:48.82 Ralph Coxhead 71	3:23.05 Roger Franks 72
1:16.85 RONALD JOHNSON 98	2:51.59 Roger Franks 72	3:51.21 Elmer Luke 73	3:24.65 Horace Knowlton 70
1:18.27 Ronald Johnson 68	3:04.59 W Morgan Byers 72	3:52.60 Luman Sutton 72	3:28.63 Charles Moss 71
1:22.58 Wally Dobler 65	3:09.62 Fred W Trask 71	50 M. BREASTSTROKE	3:35.46 Lee Arth 74
1:24.19 William Lauer 65	3:09.79 William Irwin 71	40.77 BARTON GREENBERG 95	3:36.00 Thomas Maine 74
1:30.15 Dren Geer 65	3:10.35 Robert Heritier 71	41.42 Robert MacDonald 71	3:40.44 Luman Sutton 72
1:33.76 Stan Morner 65	3:12.10 Dick Webber 70	41.94 Aaron Kurtzman 70	3:42.44 Irwin Stolz 70
1:34.61 Richard Weick 65	3:19.37 Farrell Devlin 71	44.53 F H Ted Haartz 71	3:42.97 Dick Webber 70
1:37.44 Norman Stupfel 67	3:20.06 Mo Mathews 71	44.96 Charles Moss 71	3:43.63 Alan Maloney 70
1:39.54 George Brunstad 65	400 M. FREESTYLE	45.40 Daniel Gruender 70	400 M. INDIVIDUAL MEDLEY
1:43.33 John Ries 68	5:40.41 WILLIAM PHILLIPS 98	45.78 Robert Cunningham 71	6:52.07 FRANK PIEMME 95
1:44.49 Gordon Gillin 68	5:55.01 Roger Franks 72	46.11 Gene Sapper 70	7:21.26 Roger Franks 72
200 M. BUTTERFLY	5:56.39 Frank Piemme 74	46.15 Horace Knowlton 70	7:37.79 Lee Arth 74
3:08.79 JOSEPH KURTZMAN 91	6:25.28 Harvey Prosser 71	46.29 Joseph Kurtzman 73	7:47.80 Thomas Maine 74
3:18.51 Ronald Johnson 68	6:39.64 W Morgan Byers 72	47.09 Alan Maloney 70	7:49.72 Charles Moss 71
3:21.48 William Lauer 65	6:44.26 Robert Heritier 71	100 M. BREASTSTROKE	8:07.80 Luman Sutton 72
3:34.52 Dren Geer 65	6:47.89 Fred W Trask 71	1:33.20 BENNETT ALLEN 84	8:08.39 Robert Cunningham 71
3:34.67 Herb Kern 67	6:48.46 Lee Arth 74	1:36.03 Robert MacDonald 71	8:09.37 Irwin Stolz 70
3:57.48 Sam Chilton 65	7:09.65 Elmer Luke 73	1:40.12 F H Ted Haartz 71	8:54.22 Gerald Williams 72
3:59.41 Norman E Stupfel 66	7:17.58 Jordan Wolle 71	1:42.39 Frank Piemme 74	8:54.30 Bruno Weber 72
4:01.67 Gordon Gillin 68	7:20.40 Farrell Devlin 71	1:42.78 Daniel Gruender 70	8:58.71 Lewis Patrie 70
4:04.94 L Silverstein 65	800 M. FREESTYLE	1:42.89 Irwin Stolz 70	
4:13.67 Charles Kohnken 68	12:03.73 FRANK PIEMME 95	1:44.19 Robert Cunningham 71	<u>MEN 75-79</u>
4:22.20 Bill Rodgers 67	12:18.38 Roger Franks 72	1:45.32 Horace Knowlton 70	
200 M. INDIVIDUAL MEDLEY	13:35.97 Lee Arth 74	1:45.40 Alan Maloney 70	50 M. FREESTYLE
2:50.18 RONALD JOHNSON 98	13:43.25 Robert Heritier 71	1:45.54 August Motmans 71	32.50 LYLE COLLET 83
2:54.71 Ronald Johnson 68	13:46.16 W Morgan Byers 72	1:46.30 Charles Moss 71	33.32 Robert Blake 75
3:01.55 Donald L Brown 66	13:56.09 Alfred J Groh 71	200 M. BREASTSTROKE	33.64 John Florance 77
3:12.53 Richard Weick 65	14:07.80 Fred W Trask 71	3:29.06 ROBERT MACDONALD 99	35.16 Jack Truby 75
3:13.05 Alan Rapperport 66	14:13.94 Irwin Stolz 70	3:29.06 Robert MacDonald 71	35.81 Paul Hutinger 75
3:17.52 Jack Beattie 65	14:53.59 Jordan Wolle 71	3:45.03 F H Ted Haartz 71	36.06 Perry Rockwell 75

# 1999 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

36.31 Jurgen Schmidt	76	1:29.52 RAY TAFT	95	2:05.08 John Briggs	76	7:10.65 Aldo V Da Rosa	81
36.32 John Briggs	76	1:31.62 Paul Hutinger	75	2:46.90 John Bricker	79	7:32.42 Jim Eubank	84
36.42 Arthur Koblisch	75	1:45.93 Jack Truby	75	2:49.37 Val Ouchakof	76	7:36.05 Dick Guido	82
37.46 Richard Avery	76	1:46.62 George Brinton	75	2:54.71 Jay Charles	77	8:05.42 Robert Johnston	82
37.63 John Woods	76	1:47.53 James Edwards	77	3:06.27 Herb McAuley	77	8:16.37 Barnet Phillips	82
• 100 M. FREESTYLE		1:47.57 Gaetano Pavone	77	• 200 M. BUTTERFLY		8:34.54 John Merrill	83
1:13.84 RAY TAFT	95	1:49.01 John Briggs	76	3:43.56 ANTON CERER	92	8:36.72 David Mulliken	80
1:16.73 John Florance	77	1:49.85 John Woods	75	4:13.37 Arthur Koblisch	75	8:52.16 Lynn Surles	82
1:17.04 Robert Blake	75	1:50.19 Calvin Barnes	75	4:24.13 Paul Hutinger	75	9:03.70 Bud Jackson	80
1:24.88 Jurgen Schmidt	76	1:50.32 Raymond Hakomaki	79	5:11.52 John Briggs	76	• 800 M. FREESTYLE	
1:25.67 Arthur Koblisch	75	1:50.72 Bob Merrick	79	6:29.79 Herb McAuley	77	14:19.22 RAY TAFT	99
1:26.14 Jack Truby	75	• 200 M. BACKSTROKE		6:33.25 Val Ouchakof	76	14:19.22 Raymond F Taft	80
1:27.83 John Briggs	76	3:15.00 RAY TAFT	94	6:44.91 Jay Charles	77	15:05.51 Aldo V Da Rosa	81
1:27.96 John Woods	76	3:33.98 Paul Hutinger	75	7:50.28 T R Johnson	77	15:41.41 Dick Guido	82
1:27.99 Gilbert Young	77	4:00.71 James Edwards	77	7:50.90 Dann McNeil	76	16:00.19 Jim Eubank	84
1:30.74 Perry Rockwell	75	4:03.78 Raymond Hakomaki	79	• 200 M. INDIVIDUAL MEDLEY		16:30.23 Pete Okumoto	83
1:32.88 Louis Giberson	79	4:06.61 John Woods	75	3:24.38 RAY TAFT	94	17:29.10 David Mulliken	80
• 200 M. FREESTYLE		4:13.20 Earl Walter	78	3:50.77 Jurgen Schmidt	76	17:58.20 Bud Jackson	80
2:51.62 RAY TAFT	95	4:15.30 Wallace Sawhill	79	3:52.44 Paul Hutinger	75	18:52.05 John Woods	81
3:02.87 Robert Blake	75	4:17.52 Norman Garsoe	76	4:04.55 John Emanuel	75	22:02.40 Robert E Freeman	83
3:04.49 Jurgen Schmidt	76	4:19.81 James Worrel	77	4:06.33 Calvin Barnes	75	• 1500 M. FREESTYLE	
3:09.11 John Florance	77	4:26.47 Pierce Bray	75	4:16.83 Earl Walter	78	26:52.93 RAY TAFT	99
3:19.99 Gilbert Young	77	4:27.08 George Brinton	75	4:25.93 Clarence Webb	77	26:52.93 Raymond F Taft	80
3:22.28 James Edwards	77	• 50 M. BREASTSTROKE		4:32.83 Bill Stadig	76	28:44.77 Aldo V Da Rosa	81
3:22.84 Frank Grannis	75	42.99 BARTON GREENBERG	99	4:35.86 Pierce Bray	75	33:49.01 David Mulliken	80
3:27.38 John Woods	76	42.99 Barton Greenberg	75	4:48.23 Bob Acker	78	34:50.44 Bud Jackson	80
3:32.31 John Briggs	76	46.73 Paul Hutinger	75	4:55.80 Ted Simon	76	36:52.89 John Woods	81
3:32.56 Fred Taioli	78	49.00 Bob Merrick	79	• 400 M. INDIVIDUAL MEDLEY		83:11.10 Del Schmand	84
3:39.17 Louis Giberson	79	50.00 John Emanuel	75	7:21.75 RAY TAFT	95	• 50 M. BACKSTROKE	
• 400 M. FREESTYLE		50.13 G Melick	75	8:37.84 Arthur Koblisch	75	42.49 RAY TAFT	99
6:20.87 RAY TAFT	94	50.66 Norman Garsoe	76	8:56.01 Paul Hutinger	75	42.49 Raymond Taft	80
6:45.30 Jurgen Schmidt	76	50.70 Raymond Hakomaki	79	9:49.67 Bill Stadig	76	46.90 Aldo V Da Rosa	81
6:46.85 Robert Blake	75	51.54 Abrasha Brainin	77	11:20.08 Val Ouchakof	76	49.66 C Edward Johnson	81
7:06.64 Gilbert Young	77	52.25 Richard Avery	76	11:55.07 Jay Charles	77	50.65 John Merrill	83
7:09.90 Arthur Koblisch	75	52.61 Robert Lavanture	76	12:41.34 Dan McNeil	76	51.37 Harry Liber	80
7:21.77 James Edwards	77	• 100 M. BREASTSTROKE		17:57.64 T R Johnson	77	55.87 Al Vande Weghe	83
7:25.01 John Woods	76	1:38.11 BARTON GREENBERG	99			56.69 Bill Woosley	82
7:34.22 Fred Taioli	78	1:38.11 Barton Greenberg	75	MEN 80-84		59.46 John G Haake	80
8:04.74 Al Ramirez-Miller	75	1:47.88 Paul Hutinger	75	• 50 M. FREESTYLE		1:03.50 Hans Kolb	84
8:16.38 Robert Lavanture	76	1:52.46 Norman Garsoe	76	33.88 WOODROW BOWERSOCK	93	1:04.42 Ned Smith	84
8:17.81 Jack Huber	77	1:57.08 Bob Merrick	79	35.96 Andrew Holden	80	• 100 M. BACKSTROKE	
• 800 M. FREESTYLE		1:57.46 Raymond Hakomaki	79	36.60 Raymond F Taft	80	1:35.36 RAY TAFT	99
12:58.14 RAY TAFT	95	1:58.00 G Melick	75	36.88 Jim Eubank	84	1:35.36 Raymond Taft	80
13:55.54 Jurgen Schmidt	76	2:02.87 James Worrel	77	37.73 Aldo V Da Rosa	81	1:45.64 Andrew Holden	80
14:18.06 Robert Blake	75	2:03.96 Raymond Radzivila	76	38.17 Pete Okumoto	83	1:47.09 Aldo V Da Rosa	81
14:46.34 Gilbert Young	77	2:05.45 James Williamson	75	38.95 William Johnston	81	1:52.03 John Merrill	83
14:58.27 James Edwards	77	2:05.68 Abrasha Brainin	77	39.09 Brud Cleaveland	82	2:12.36 Bill Woosley	82
15:06.75 Calvin Barnes	75	• 200 M. BREASTSTROKE		39.37 Lynn Surles	82	2:12.84 John G Haake	80
15:15.15 Fred Taioli	78	3:42.85 ALDO DA ROSA	94	40.62 Ned Smith	84	2:24.41 William Johnston	80
16:40.75 Alfredo Utrilla	79	3:43.35 Barton Greenberg	75	40.82 Barnet Phillips	81	2:24.71 Frank Tillotson	84
17:28.04 Al Ramirez-Miller	75	4:01.93 Bob Merrick	79	• 100 M. FREESTYLE		2:44.42 Paul Golar	80
18:01.38 Robert Lavanture	77	4:02.93 Paul Hutinger	75	1:22.50 WOODROW BOWERSOCK	93	• 200 M. BACKSTROKE	
18:15.87 Herb McAuley	77	4:08.00 Norman Garsoe	76	1:21.12 Andrew Holden	80NV	3:31.36 RAY TAFT	99
• 1500 M. FREESTYLE		4:16.41 John Emanuel	75	1:24.17 Raymond F Taft	80	3:31.36 Raymond Taft	80
24:53.76 RAY TAFT	95	4:17.44 Raymond Hakomaki	79	1:25.20 Aldo V Da Rosa	81	3:59.37 Aldo V Da Rosa	81
26:55.00 Jurgen Schmidt	76	4:18.55 G Melick	75	1:29.05 Jim Eubank	84	4:03.81 John Merrill	83
28:41.31 Robert Blake	75	4:28.42 James Worrel	77	1:30.80 Pete Okumoto	83	4:16.77 Harry Liber	80
29:13.07 Gilbert Young	77	4:30.85 Tom Mc Call	76	1:33.30 Brud Cleaveland	82	4:36.84 Dick Guido	82
29:20.36 James Edwards	77	4:39.25 Richard Avery	76	1:38.50 Barnet Phillips	81	4:58.94 John G Haake	80
29:27.17 Fred Taioli	78	• 50 M. BUTTERFLY		1:39.41 Lynn Surles	82	6:04.30 Paul Golar	80
32:55.22 Al Ramirez-Miller	75	37.57 RAY TAFT	94	1:41.53 David Mulliken	80	6:12.59 William Johnston	80
33:40.82 Peter Lee	76	40.35 Jurgen Schmidt	76	1:44.55 William Johnston	81	• 50 M. BREASTSTROKE	
35:54.62 Herb McAuley	76	43.58 Perry Rockwell	75	• 200 M. FREESTYLE		46.37 MAX VON ISSER	99
37:24.76 Hal Young	78	46.49 Frank Grannis	75	3:09.70 RAY TAFT	99	46.37 Max Von Isser	80
37:35.49 Fred T Rogers	76	48.55 John Emanuel	75	3:09.70 Raymond F Taft	80	48.86 Aldo V Da Rosa	81
• 50 M. BACKSTROKE		50.07 John Briggs	76	3:17.68 Aldo V Da Rosa	81	49.78 Paul Krup	82
39.49 RAY TAFT	94	51.22 John Woods	76	3:24.33 Jim Eubank	84	50.79 Raymond F Taft	80
39.90 Paul Hutinger	75	51.69 Louis Giberson	79	3:26.11 Dick Guido	82	52.16 Brud Cleaveland	82
44.13 Jack Truby	75	55.48 Pierce Bray	75	3:26.39 Pete Okumoto	83	53.66 Barnet Phillips	81
45.63 Gaetano Pavone	77	56.98 Abrasha Brainin	77	3:43.20 Barnet Phillips	81	55.71 Russ Witte	82
46.23 Bob Merrick	79	57.83 Tom Mc Call	76	3:48.39 Robert Johnston	82	56.29 Bud Jackson	80
46.44 John Briggs	76	• 100 M. BUTTERFLY		3:56.87 Brud Cleaveland	82	57.74 Murray Eager	83
46.92 Jurgen Schmidt	76	1:39.80 ANTON CERER	92	3:58.54 David Mulliken	80	59.77 Ned Smith	84
46.95 George Brinton	75	1:52.06 Arthur Koblisch	75	4:00.25 Lynn Surles	82	• 100 M. BREASTSTROKE	
48.32 John Woods	75	1:56.32 Frank Grannis	75	• 400 M. FREESTYLE		1:45.99 MAX VON ISSER	99
48.66 Calvin Barnes	75	1:56.87 Jurgen Schmidt	76	6:42.86 RAY TAFT	99	1:45.99 Max Von Isser	80
48.96 Richard Avery	76	1:57.68 Paul Hutinger	75	6:42.86 Raymond F Taft	80	1:51.33 Aldo V Da Rosa	81
• 100 M. BACKSTROKE		2:02.71 Perry Rockwell	75			1:55.67 Paul Krup	82

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2:01.07 Brud Cleaveland 82	1:48.58 Edward Nakamura 85	1:42.68 Joseph Trammell 87	
2:06.86 Bud Jackson 80	1:48.98 Gary Weisenthal 86	• 100 M. BREASTSTROKE	• 50 M. FREESTYLE
2:09.22 Russ Witte 82	1:55.30 Jim S Triolo 85	2:20.99 WILLIAM MOLLOY 95	55.88 GUS LANGNER 98
2:13.50 Murray Eager 83	2:03.19 Dexter Woodford 86	3:00.81 Dexter Woodford 86	1:03.24 Gus Langner 96
2:26.06 William Johnston 80	2:05.09 Des Sessinghaus 85	3:16.06 Frank Tillotson 85	• 100 M. FREESTYLE
2:26.65 Ned Smith 84	2:13.41 Fred Walbolt 86	• 200 M. BREASTSTROKE	2:29.32 GUS LANGNER 98
4:09.33 Melvin H Lichtman 80	2:16.69 Herbert Howe 87	4:36.86 HAROLD PERRY 96	2:46.85 Gus Langner 96
• 200 M. BREASTSTROKE	2:23.83 Joseph Trammell 87	6:36.78 Jesse Coon 89	• 200 M. FREESTYLE
3:42.04 RAY TAFT 99	• 200 M. FREESTYLE	6:50.16 Frank Tillotson 85	5:13.23 GUS LANGNER 98
3:42.04 Raymond F Taft 80	3:48.91 GUS LANGNER 88	• 50 M. BUTTERFLY	6:00.91 Gus Langner 96
4:09.98 Aldo V Da Rosa 81	3:55.89 Woodrow Bowersock 86	58.13 JESSE COON 96	• 400 M. FREESTYLE
4:27.64 Paul Krup 82	4:09.05 Edward Nakamura 85	58.39 Walter Pfeiffer 86	11:30.53 GUS LANGNER 98
4:32.33 Bud Jackson 80	4:15.72 Gerson Sobel 89	1:16.65 Jesse Coon 89	12:41.20 Gus Langner 96
4:34.26 Brud Cleaveland 82	4:16.22 Jim Triolo 85	• 100 M. BUTTERFLY	• 800 M. FREESTYLE
4:45.35 Murray Eager 83	4:23.39 Dexter Woodford 86	2:10.28 WALTER PFEIFFER 99	22:28.28 GUS LANGNER 98
4:53.45 E Don McCullough 84	4:35.44 Dave Malbrough 86	2:10.28 Walter Pfeiffer 86	25:29.75 Gus Langner 96
4:54.32 Barnet Phillips 82	4:44.92 Des Sessinghaus 85	3:49.29 Jesse Coon 89	• 1500 M. FREESTYLE
5:41.82 William Johnston 80	5:16.57 Fred Walbolt 86	• 200 M. BUTTERFLY	47:30.40 GUS LANGNER 99
• 50 M. BUTTERFLY	5:17.96 Frank Tillotson 85	5:06.00 WALTER PFEIFFER 99	47:30.40 Gus Langner 96
41.89 ANDREW HOLDEN 99	6:10.76 Boyd Campbell 89	5:06.00 Walter Pfeiffer 86	• 50 M. BACKSTROKE
41.89 Andrew Holden 80	• 400 M. FREESTYLE	• 200 M. INDIVIDUAL MEDLEY	1:18.91 TOM LANE 89
42.89 Raymond Taft 80	8:14.50 GUS LANGNER 88	5:16.84 JESSE COON 96	NO SWIMMERS
43.54 Max Von Isser 80	8:52.84 Jim S Triolo 85	4:40.40 Walter Pfeiffer 86NV	• 100 M. BACKSTROKE
49.12 Paul Krup 82	8:59.75 Dexter Woodford 86	5:57.28 Edward Nakamura 85	3:19.14 TOM LANE 92
55.49 William Johnston 81	9:17.75 Edward Nakamura 85	6:19.29 Jesse Coon 89	NO SWIMMERS
1:03.36 Dick Guido 82	9:34.74 Woodrow Bowersock 86	• 400 M. INDIVIDUAL MEDLEY	• 50 M. BREASTSTROKE
1:05.14 E Don McCullough 84	10:00.44 Dave Malbrough 86	9:42.77 WALTER PFEIFFER 99	1:26.61 GUS LANGNER 98
1:20.30 Francis Bowdon 80	10:53.75 Frank Tillotson 85	9:42.77 Walter Pfeiffer 86	NO SWIMMERS
1:51.07 Paul Golar 80	11:19.63 Fred Walbolt 86	14:09.44 Jesse Coon 89	• 100 M. BREASTSTROKE
• 100 M. BUTTERFLY	• 800 M. FREESTYLE		3:38.45 GUS LANGNER 98
1:47.88 ANDREW HOLDEN 99	17:11.21 GUS LANGNER 88	MEN 90-94	NO SWIMMERS
1:47.88 Andrew Holden 80	18:10.71 Dexter Woodford 86	• 50 M. FREESTYLE	• 200 M. BREASTSTROKE
1:54.90 Anton Cerer 83	18:49.23 Jim S Triolo 85	48.70 GUS LANGNER 93	7:37.17 GUS LANGNER 98
2:07.06 Paul Krup 82	18:56.68 Edward Nakamura 85	54.46 Tex Robertson 90	NO SWIMMERS
2:11.68 William Johnston 81	20:54.72 Woodrow Bowersock 86	1:34.30 Harold Hoffman 91	MEN 100-104
2:43.28 E Don McCullough 84	• 1500 M. FREESTYLE	• 100 M. FREESTYLE	• 50 M. FREESTYLE
3:21.82 Francis Bowdon 80	33:08.42 GUS LANGNER 89	1:57.91 GUS LANGNER 93	1:40.46 TOM LANE 94
• 200 M. BUTTERFLY	35:14.53 Gary Weisenthal 86	2:15.10 Tex Robertson 90	NO SWIMMERS
4:11.09 ANTON CERER 98	35:32.85 Jim Triolo 85	4:34.38 Harold Hoffman 91	• 100 M. FREESTYLE
5:39.07 E Don McCullough 84	37:45.99 Dave Malbrough 86	• 200 M. FREESTYLE	4:05.98 TOM LANE 94
6:01.77 William Johnston 81	38:13.08 Woodrow Bowersock 86	4:28.34 GUS LANGNER 93	NO SWIMMERS
• 200 M. INDIVIDUAL MEDLEY	43:58.02 Frank Tillotson 85	5:03.14 Tex Robertson 90	• 50 M. BACKSTROKE
3:43.82 ALDO DA ROSA 98	• 50 M. BACKSTROKE	• 400 M. FREESTYLE	1:50.73 TOM LANE 94
3:45.08 Raymond Taft 80	50.95 EDWARD SHEA 99	9:44.11 GUS LANGNER 93	NO SWIMMERS
3:54.37 Aldo V Da Rosa 81	50.95 Ed Shea 85	NO SWIMMERS	• 100 M. BACKSTROKE
4:02.48 Anton Cerer 83	52.48 Dave Malbrough 86	• 800 M. FREESTYLE	4:13.84 TOM LANE 94
4:13.54 Paul Krup 82	56.22 Jim Triolo 85	20:13.74 GUS LANGNER 93	NO SWIMMERS
4:31.37 Dick Guido 82	56.68 Gary Weisenthal 86	NO SWIMMERS	• 200 M. BACKSTROKE
4:48.16 Brud Cleaveland 80	57.68 Woodrow Bowersock 86	• 1500 M. FREESTYLE	9:04.31 TOM LANE 94
4:49.28 David Mulliken 80	1:03.82 Frank Tillotson 85	36:47.02 GUS LANGNER 93	NO SWIMMERS
4:57.79 William Johnston 81	1:20.10 Otto Hahn 86	• 50 M. BACKSTROKE	
5:03.92 E Don McCullough 84	1:26.99 Boyd Campbell 89	1:03.20 JIM PENFIELD 98	
6:28.26 Francis Bowdon 80	1:30.92 Joseph Trammell 87	1:18.93 Lee Starr 90	
• 400 M. INDIVIDUAL MEDLEY	1:46.18 J Gleason 89	• 100 M. BACKSTROKE	
8:05.14 RAY TAFT 99	• 100 M. BACKSTROKE	2:04.83 DAVE MALBROUGH 99	
8:05.14 Raymond Taft 80	2:04.83 DAVE MALBROUGH 99	2:30.11 JIM PENFIELD 98	
8:30.30 Anton Cerer 83	2:04.83 Dave Malbrough 86	2:44.90 Tex Robertson 90	
10:22.85 William Johnston 81	2:06.22 Jim Triolo 85	• 200 M. BACKSTROKE	
11:15.02 E Don McCullough 84	2:14.52 Gary Weisenthal 86	5:43.96 JOE KAUFMAN 95	
	2:16.41 Woodrow Bowersock 86	5:58.71 Tex Robertson 90	
MEN 85-89	2:21.72 Frank Tillotson 85	• 50 M. BREASTSTROKE	
• 50 M. FREESTYLE	3:10.23 Otto Hahn 86	1:09.80 JIM PENFIELD 98	
35.77 WOODROW BOWERSOCK 98	3:10.94 Fred Walbolt 86	NO SWIMMERS	
36.07 Woodrow Bowersock 86	3:11.43 Boyd Campbell 89	• 100 M. BREASTSTROKE	
44.20 Gerson Sobel 89	3:24.95 Joseph Trammell 87	3:09.64 GUS LANGNER 93	
44.87 Edward Nakamura 85	4:16.90 George Bauman 85	NO SWIMMERS	
47.08 Des Sessinghaus 85	• 200 M. BACKSTROKE	• 200 M. BREASTSTROKE	
51.92 Dexter Woodford 86	4:32.50 JIM TRIOLO 99	6:24.54 GUS LANGNER 93	
1:00.02 Fred Walbolt 86	4:32.50 Jim Triolo 85	NO SWIMMERS	
1:00.33 Joseph Trammell 87	4:56.79 Dave Malbrough 86	• 50 M. BUTTERFLY	
1:02.85 Frank Tillotson 85	4:57.58 Woodrow Bowersock 86	1:26.07 JIM PENFIELD 98	
1:12.67 Boyd Campbell 89	5:04.68 Frank Tillotson 85	NO SWIMMERS	
1:32.70 George Bauman 85	6:51.60 Otto Hahn 86	• 200 M. INDIVIDUAL MEDLEY	
• 100 M. FREESTYLE	10:05.82 Ruben Berg 86	7:02.80 JIM PENFIELD 98	
1:32.81 WOODROW BOWERSOCK 99	• 50 M. BREASTSTROKE	NO SWIMMERS	
1:32.81 Woodrow Bowersock 86	1:01.47 AL KALLUNKI 89		
1:46.42 Gerson Sobel 89	1:15.92 Dave Malbrough 86		
	1:21.52 Frank Tillotson 85		
		MEN 95-99	

# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

## WOMEN'S RELAYS

<p>200 M. FREE REL WOMEN 76+</p> <p>UNIV SAN FRAN 1:59.29 92 CYNTHIA HINSHAW JANET HAUER NATALIE EFFA BRENDA WICKLUND</p> <p>CRESCENT HILL M 2:10.67 Andrea Gagnon 23 Julie Howard 25 Alexandra Nieto 27 Jennifer Kroh 20</p> <p>200 M. FREE REL WOMEN 100+</p> <p>OREGON 1:52.47 92 SHANNON HERINGER GRACIE GODDARD LEISSA MILLS LINDA FINLEY</p> <p>MINN 2:02.27 Merilee Colbrunn 30 Beth Bjork 37 Greta Petersen 22 Beth Shimanski 22</p> <p>INLAND MASTERS 2:04.73 Christina Deeter 25 Karen Feld 32 M Danapilis 27 Jamie Raab 29</p> <p>IM 2:05.79 Sandra Lehr 29 Heather Price 34 J Wagoner 24 Jennifer Ridge 31</p> <p>OREG 2:07.44 Karen Hakanson 34 Laura Tyrell 32 Wendy Dixon 21 Francesc Gambetti 27</p> <p>USF MASTERS 2:10.35 Nicola Clegg 24 Alicia St John 29 S Von Winchler 39 Maya Nasuttion 26</p> <p>UC IRVINE 2:10.49 Deborah Fineberg 33 Natalie Ferrell 27 Heather Kinney 26 Krystal Durfey 23</p> <p>SWIM 2:12.86 Donna Lefevre 28 Martha Liggett 29 Laura Albee 30 Michell Digiacomo 31</p> <p>MINN 2:18.03 Laura Palombi 20 Linda Ditty 28 Nicole Phillips 30 Sarah Hromada 38</p> <p>CRESCENT HILL M 2:20.51 Tiffany Wells 23 Kathy Beckovich 32 Michelle Ward 31 Margaret Phillips 26</p> <p>CRAWFISH AQUATI 2:32.82 Claire Orr 23 Laurie McKnight 27 Suellen Caire 27 Allison Roark 32</p> <p>200 M. FREE REL WOMEN 120+</p>	<p>LONE STAR 1:53.05 87 MONICA BURK BRIGITTE HEUER L. MORRISON-CASEY JACKI HIRSTY</p> <p>WCM 1:59.56 Stacy Warren 22 Colleen Hazlett 36 Lisa Ward 35 Penny Leach 36</p> <p>SPM 2:02.75 Allison Beebe 23 Tricia Moses 40 Andrea Nauta 40 Charlott Petersen 35</p> <p>PSC 2:04.87 Michelle Booth 35 Pamela Rogers 42 Deanna Meloche 23 Amy Zemaitis 20</p> <p>MINN 2:04.93 Peggy Kratz 39 Karen Zemlin 32 Julie Benz 42 M Pujalet-Devitt 42</p> <p>VMST 2:04.97 Paula Jones 31 Teri Maerki 37 Barger Jeutter 41 Beth Baker 38</p> <p>PCAT 2:06.21 Sunny Smiley 29 Ana Sousa 28 Krissy MacCurdy 47 Lynn Silver 47</p> <p>ARIZ 2:06.41 Ellen Baird 29 Robyn Vaughn 35 Brenda Creswell 36 Audra Troccko 26</p> <p>GOLD 2:07.27 Tracie Moll 36 Carolyn Victoria 35 Andrea Woodburn 36 Jamie Herrington 34</p> <p>CRAWFISH AQUATI 2:07.82 Theresa Klein 28 Helen Cane 44 Ann Hill 30 Karlene Wise 46</p> <p>SAN MATEO MARL 2:09.83 Danielle Ogier 47 Dale Finch 49 Carolyn Chow 20 Wendy Fung 22</p> <p>200 M. FREE REL WOMEN 160+</p> <p>SAN DIEGO 1:57.34 99 BETH KNIGHT CAROLINE KRATTLI BARBARA DUNBAR K PIPES-NEILSEN</p> <p>SAN DIEGO SWIM 1:57.34 Beth Knight 40 Caroline Krattli 37 Barbara Dunbar 50 K Pipes-Neilsen 37</p> <p>LAKESIDE MASTER 2:03.59 Mary Chris Curl 42 Pam Martin 42 Melinda Schmitt 41 Amy Pope 39</p> <p>ODD 2:08.07 Jill Hernandez 39 R Brittingham 48 Heather Bakker 23 Marji Thomas-Will 52</p>	<p>SWIM 2:09.74 Martha Dodd 41 Deb Walker 48 Adrienne Seal 34 Liz Burchett 37</p> <p>FAST 2:10.84 Trish Markey 49 Kelly Bergdoll 42 Patricia Trama 38 Patricia Sargeant 46</p> <p>MINN 2:13.86 Elizabeth Cutter 47 Kathleen Johnson 42 Pamela Ogden 42 Barbara Fewer 40</p> <p>MENLO PARK 2:13.97 Jane Burkes 42 Juliet Applewhite 37 Judith Schwartz 45 Rebecca Pinto 44</p> <p>SPM 2:17.67 Judy Tibma 43 Kim Stott 40 Christine Swanson 37 Pam Geiger 47</p> <p>OREG 2:17.76 Janet Gettling 51 Sandi Rousseau 52 Jody Welborn 44 Lisa Gorsline 24</p> <p>GOLD 2:20.83 Marcia Barry 51 Rorie Anderson 48 Anne Laborwit 49 Celia Devanney 42</p> <p>200 M. FREE REL WOMEN 200+</p> <p>ILLINOIS 2:08.35 99 C STONESIFER CATHERINE QUILL IRENE DAVID CYNTHIA JONES</p> <p>IM 2:08.35 C Stonesifer 47 Catherine Quill 49 Irene David 55 Cynthia Jones 49</p> <p>HOT 2:12.86 Monica Bailey 35 Rane Stites 35 Sally Bolar 60 Carol Taylor 70</p> <p>GOLD 2:14.00 Tracie Moll 36 Debbie Cavanaugh 41 June Krauser 73 Marcia Barry 51</p> <p>NEM 2:27.81 Nancy Johnston 44 Claire O'Brien 60 Marian Coakley 62 Tracy Grilli 42</p> <p>MENLO PARK 2:28.74 Katherine Buss 48 Anne Kay 65 Judy Strauss 45 Sue Mcglemon 49</p> <p>LAKESIDE MASTER 2:49.18 Linda Hubbuch 54 Sue Jewell 56 A Wright-Belknap 49 Lisa Stearns 42</p> <p>SPM 2:51.90 Karen West 47 Kate Knight-Perry 64 Jo Ann Harrelson 43 Jayne Lambke 60</p>	<p>PARRIS ISLAND 2:52.02 Jodi Joye 41 Martha Davis 59 Joann Chapman 55 Carolyn Radcliffe 48</p> <p>OJAI-SANTA BARB 2:52.60 Katherine Watson 52 Kitty Johnston 57 Shannon Sullivan 45 Lois Goodman 52</p> <p>MINN 3:12.03 Bonnie Swaim 42 Lenore Gendron 70 M Windrath 46 Mary Vonderharr 46</p> <p>200 M. FREE REL WOMEN 240+</p> <p>DC MASTERS 2:18.70 98 BARBARA FRID JOANN LEILICH BARBARA ZAREMSKI JAYNE BRUNER</p> <p>WALNUT CREEK 2:57.12 Midgie Kraetzer 60 Lori Boettler 53 Ann Hirsch 68 Joyce Hayworth 60</p> <p>LAKESIDE MASTER 3:05.22 Carol Ferguson 68 Maryann Haragan 66 Mary Jane Mullins 68 Gail Kamenish 38</p> <p>WIS MASTERS 3:19.33 Ingrid Stine 60 Judy Davis 64 Carol Smollen 55 Betty Lorenzi 72</p> <p>NORTH CAROLINA 3:48.66 Nancy McPhee 66 Beverly Tucker 64 Judy Kelly 75 Sandra Kremer 63</p> <p>PNA 4:01.23 Joan Davis 69 Margaret Winnie 66 Janet Kavadas 68 Karen Bryce 66</p> <p>200 M. FREE REL WOMEN 280+</p> <p>NEW ENGLAND 2:38.52 96 CLARA WALKER BILLIE BURRILL PETEY SMITH DIANE REED</p> <p>ARIZ 2:49.85 Nancy Macbeth 70 Sally Bolar 60 Margaret Nagle 83 Edie Gruender 71</p> <p>MICH 3:28.49 Shirley Dacey 63 Edith Glusac 81 Mary Williams 68 Lois Nochman 75</p> <p>DCM 3:34.44 Anne Walker 83 Ruth Thorsen 79 Mary Latham 84 Rozanna Sikora 44</p> <p>SPM 3:38.40 Barbara Atwood 66 Kay Schimpf 82 June Reynolds 77 Florence Carr 74</p> <p>SAN MATEO MARL 3:39.24 Lynne Taft 57</p>
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# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

Gloria Stupfel	73	UC IRVINE	2:32.68	K PIPES-NEILSEN	41
Andrey Etienne	83	Natalie Ferrell	27	BARBARA DUNBAR	36
Zada Taft	80	Dawn Loewy	26	BETH KNIGHT	73
WALNUT CREEK	3:43.22	Krystal Durfey	23	SAN DIEGO SWIM	2:12.15
Jae Howell	77	Connie Tong	28	Caroline Krattli	37
Sally Joy	82	PSC	2:35.90	K Pipes-Neilsen	37
Jean Durstin	85	Michelle Booth	35	Barbara Dunbar	50
Anita Hazen	72	Jennifer Foote	24	Beth Knight	40
OJAI-SANTA BARB	3:49.56	Amy Zemaitis	20	LAKESIDE MASTER	2:19.43
Jennie Taylor	82	Betsy Lynch	28	Mary Chris Curl	42
Ruth Farnham	69	CRESCENT HILL M	2:49.74	A Wright-Belknap	49
Grace Altus	75	Tiffany Wells	23	Amy Pope	39
Ruth Baar	77	Kathy Beckovich	32	Melinda Schmitt	41
IM	3:55.78	Michelle Ward	31	GAJA	2:21.36
Hannelore Snyder	69	Laura Petry	28	Penny Noyes	45
Clara Sotak	75			Patricia Mattson	46
Mildred Karger	70			Amber Totz	21
Rita Costello	77			F Williamson	51
		200 M. MEDLEY R WOMEN 120+		SPM	2:22.06
		GOLD	2:04.19 98	Kim Stott	40
		BETH GARDNER		Maud Orlando	37
		SUSIE GEYER		Judy Tibma	43
		TRACIE MOLL		Tricia Moses	40
		JAMIE HERRINGTON		MINN	2:24.89
		WCM	2:12.86	Laura Roesler	40
		Lisa Ward	35	Elizabeth Cutter	47
		Karen Duggan	29	Beth Bjork	37
		Charlene O'Brien	43	Nancy Kryka	44
		Penny Leach	36	NEM	2:25.95
		SPM	2:19.06	Tracy Grilli	42
		Allison Beebe	23	Leslie Cooper	39
		Judy Tibma	43	Kriste Kleiner	24
		Charlott Petersen	35	Claire O'Brien	60
		Andrea Nauta	40	VMST	2:25.98
		IM	2:19.75	Beth Baker	38
		Sandra Lehr	29	Teri Maerki	37
		Jennifer Ridge	31	Wendy Weil	41
		Andrea Block	38	Kitten Braaten	44
		Karen Fredrickson	32	VIRGINIA MASTER	2:26.02
		SEMS	2:22.07	Paula Jones	31
		Judith Lallier	40	Susan Skiff	45
		Mary Hanney	29	Patricia Powis	38
		Denise Carlson	35	Terry-Sue Gault	49
		Michelle Frink	29	WMAC	2:26.80
		GOLD	2:22.62	Cynthia Maltry	45
		Jamie Herrington	34	Candy Christenson	52
		Carolin Victoria	35	Melinda Mann	43
		Tracie Moll	36	Sara Allen	24
		Andrea Woodburn	36	ODD	2:29.38
		INLAND MASTERS	2:23.68	R Brittingham	48
		Sarah Osborne	37	Jill Hernandez	39
		M Danapolis	27	Heather Bakker	23
		Jamie Raab	29	Marji Thomas-Will	52
		Karen Feld	32		
		BDM	2:25.92	200 M. MEDLEY R WOMEN 200+	
		Patty Redig	39	SAN DIEGO	2:23.07 98
		Laurie Alioto	41	BETSY JORDAN	
		Karen Morrison	41	CAROLINE KRATTLI	
		Patricia Miller	34	BARBARA DUNBAR	
		CRAWFISH AQUATI	2:28.19	JACKIE MARR	
		Karlene Wise	46	IM	2:31.27
		Claire Orr	23	Mary Pohlmann	54
		Ann Hill	30	C Stonesifer	47
		Helen Cane	44	Irene David	55
		FAST	2:29.39	Cynthia Jones	49
		Amanda Crowe	23	DCM	2:31.85
		Abigail Goff	22	Andrea Haines	51
		Patricia Sargeant	46	Mary Anderson	46
		Trish Markey	49	Barbara Frid	57
		IM	2:34.08	Denise Kirwan	47
		Heather Price	34	HOT	2:35.29
		Diane Regan	38	Monica Bailey	35
		Susan Smar	35	Carol Taylor	70
		Cindy Schaum	32	Carole Kepler	39
				Sally Bolar	60
		200 M. MEDLEY R WOMEN 160+		GOLD	2:37.60
		SAN DIEGO	2:12.15 99	Marcia Barry	51
		CAROLINE KRATTLI			
				Debbie Cavanaugh	41
				Mary Dore	36
				June Krauser	73
				OREG	2:43.93
				Elke Asleson	47
				Janet Gettling	51
				Sandi Rousseau	52
				Pamela Himstreet	56
				MICH	2:50.20
				Andrea Funk	36
				Barbara Bos	50
				Lois Nochman	75
				April Wyncott	41
				SPM	2:51.20
				Sherry Brewer	41
				Jo Ann Harrelson	43
				Jayne Lambke	60
				Kate Knight-Perry	64
				MOVY	3:06.14
				Nanette Bohl	70
				Anna Lea Roof	38
				Susan Blattner	42
				Betty Christian	78
				SWIM	3:06.76
				Jean Garbus	65
				Deb Walker	48
				Martha Dodd	41
				Barbara Wear	64
				LAKESIDE MASTER	3:17.58
				Linda Hubbuch	54
				Lisa Stearns	42
				Debbie Utz	46
				Joyce Voit	65
				200 M. MEDLEY R WOMEN 240+	
				DC MASTERS	2:37.68 98
				BARBARA FRID	
				JOANN LEILICH	
				JAYNE BRUNER	
				BARBARA ZAREMSKI	
				DC MASTERS	2:43.67
				Barbara Frid	57
				Jayne Bruner	65
				Joann Leilich	60
				Barbara Zaremski	62
				GOST	3:02.42
				Chris Gilligan	56
				Valerie Lyons	64
				Ann Guins	46
				Marge Bowdon	76
				NEM	3:21.13
				Carol Adams	56
				Barbara Boley	75
				Sally Fellows	44
				Mary Stadig	78
				LAKESIDE MASTER	3:23.40
				M Blaske-Hull	50
				Maryann Haragan	66
				Mary Jane Mullins	68
				Carol Ferguson	68
				IM	3:25.83
				Catherine Quill	49
				Hannelore Snyder	69
				Carol Taggart	50
				Rita Costello	77
				WCM	3:40.40
				Stacy Warren	22
				Joyce Haworth	62
				Jae Howell	77
				Jean Durston	85
				FMM	3:42.55
				Margie Hutinger	59
				Regan Kenner	76
				Doris Prokopi	64
				Jean Troy	72
				WIS MASTERS	3:54.38
				Betty Lorenzi	72

# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

Doris Klitzke 64	Jamie Herrington 34	ANN HIRSCH	Jill Hernandez 39
Ingrid Stine 60	Gina Gardner 28	OJAI-SANTA BARB 9:13.27	SAN MATEO MARL 5:51.34
Judy Davis 64	CRESCENT HILL M 5:07.75	Jennie Taylor 82	Danielle Ogier 47
SPM 3:57.48	Kathy Beckovich 32	Grace Altus 75	Wendy Fung 22
Barbara Atwood 66	Michelle Ward 31	Ruth Farnham 69	Carolyn Chow 20
Karen West 47	Donna Johnson 32	Ruth Baar 77	Dale Finch 49
Florence Carr 74	Beth Blincoe 28	400 M. FREE REL WOMEN 320+	SPORT FREMONT 6:07.26
Kay Schimpf 82	LA MESA MASTERS 5:15.45		R Weidenberger 40
RMM 4:17.48	Pamela Rabin 29	ST PETE 10:13.80 94	Marlena Yauch 19
Mary Clapp 60	Rosemary Hutzley 45	MARIAN MCKECHNIE	Yu Fortunak 25
Agota Frohs 79	Wendy Alcock 29	FRANCES CICHANSKI	Claudia Holt 37
Ruth Hertzberg 67	Kelly Shipley 32	WIN KENNEDY	
Linda Lebsack 53	GARDEN STATE MA 5:45.71	KAY SCHIMPF	400 M. MEDLEY R WOMEN 160+
200 M. MEDLEY R WOMEN 280+	Anne Chesny 36	NO RELAYS	SAN DIEGO 5:00.73 98
ARIZONA 3:23.45 99	Susanna Nicholson 43	400 M. MEDLEY R WOMEN 76+	MARILYN FINK
NANCY MACBETH	Michelle Lydon 33	SACRAMENTO 5:07.42 92	CAROLINE KRATTLI
SALLY BOLAR	Jane O'Leary 39	MINDY WRIGHT	BARBARA DUNBAR
EDIT GRUENDER	400 M. FREE REL WOMEN 160+	LISA CHRISTO	BETH KNIGHT
MARGARET NAGLE	SAN DIEGO 4:37.01 93	SUE LOWREI	MENLO PARK 5:48.54
ARIZ 3:23.45	BETSY JORDAN	DONNA NICHOLAS	Jane Burks 42
Nancy Macbeth 70	BARBARA DUNBAR	CRESCENT HILL M 5:28.21	Ana Willaimson 38
Edie Gruender 71	KARLY PIPES	Andrea Gagnon 23	Rebecca Pinto 44
Sally Bolar 60	BETH KNIGHT	Jennifer Kroh 20	Juliet Applewhite 37
Margaret Nagle 83	GRIN 4:52.31	Alexandra Nieto 27	GOLD 5:50.73
OJAI-SANTA BARB 3:59.31	T Childress-Brown 35	Beth Blincoe 28	Rorie Anderson 48
Ruth Farnham 69	Ann Schnieders 39	400 M. MEDLEY R WOMEN 100+	Meg May 41
Malchia Olshan 68	C Gettelfinger 42	WALNUT CREEK 4:55.59 92	Andrea Woodburn 36
Grace Altus 75	Holly Lambert 46	PAM BOSCOVICH	Anne Laborwit 49
Ruth Baar 77	400 M. FREE REL WOMEN 200+	LISA TALLMAN	ANCIENT MARINER 6:06.56
MICH 4:21.34	GOLD COAST 5:12.18 99	DEBBIE FLANSBURG	Kristine Pierce 47
Beverly Myers 64	MEG MAY	WENDY INGRAHAM	Margot Pettijohn 53
Edith Glusac 81	DEBBIE CAVANAUGH	INLAND MASTERS 5:23.54	Penny Bates 38
Shirley Dacey 63	JUNE KRAUSER	Karen Feld 32	Myriam Pero 50
Martha Forster 82	MARCIA BARRY	M Danapilis 27	MENLO PARK 8:00.45
200 M. MEDLEY R WOMEN 320+	GOLD 5:12.18	Jamie Raab 29	Lori Sinnett 45
WALNUT CREEK 4:19.11 98	Meg May 41	Christina Deeter 25	Joan Caldwell 48
SALLY JOY	Debbie Cavanaugh 41	400 M. MEDLEY R WOMEN 120+	Jane Willison 48
JAE HOWELL	June Krauser 73	TEAM ORLANDO 4:53.42 97	Edith Collin 54
JEAN DURSTON	Marcia Barry 51	MARGARET KELLER	400 M. MEDLEY R WOMEN 200+
MARY JANE REEVE	OJAI-SANTA BARB 6:36.64	BEVERLY LENSE	D C MASTERS 5:48.73 91
NO RELAYS	Katherine Watson 52	ROSEMARY SEAMAN	BARBARA FRID
400 M. FREE REL WOMEN 76+	Kitty Johnston 57	CATHY SHONKWILER	JOANN LEILICH
SANTA CLARA 4:31.84 95	Lois Goodman 52	GOLD 5:07.51	ANN SVANSON
JO MILLARD	WIS MASTERS 6:47.76	Jamie Herrington 34	JAYNE BRUNNER
ANNE WATKINS	Ingrid Stine 60	Carolin Victoria 35	MENLO PARK 6:39.27
LAURA VIALE	Judy Davis 64	Tracie Moll 36	Ann Kay 65
KATHRIN LAMMERS	Betty Lorenzi 72	Gina Gardner 28	Judith Schwartz 45
CRESCENT HILL M 4:54.60	Stacey Klepel 21	USF MASTERS 5:28.50	Katherine Bass 48
Alexandra Nieto 27	400 M. FREE REL WOMEN 240+	Maya Nasution 26	Sue McGlennon 49
Jennifer Kroh 20	DC MASTERS 5:23.71 99	Alicia St John 29	USF MASTERS 7:57.15
Andrea Gagnon 23	BARBARA ZAREMSKI	S Von Winckler 39	Tanako Hgiwara 61
Julie Howard 25	JAYNE BRUNER	Nicola Clegg 26	Kate Earlix 48
400 M. FREE REL WOMEN 100+	BETH SCHREINER	MENLO PARK 5:40.92	Shelley Bon Duran 42
DAVIS AQUATIC 4:27.84 92	BARBARA FRID	Deanna Lin 30	Erin Pashelinsky 52
C.CHICHESTER	DC MASTERS 5:23.71	Lisa Sheeper 36	400 M. MEDLEY R WOMEN 240+
MELISSA BEATY	Barbara Zaremski 62	Mindy Behse 26	WALNUT CREEK 6:50.38 92
KIM MCCORD	Beth Schreiner 58	Sheri Mulvoe 33	BARBARA JORDAN
JENNIFER NORRIS	Barbara Frid 57	CRESCENT HILL M 5:43.36	ANN PISCIOTTA
NO RELAYS	Jayne Bruner 65	Kathy Beckovich 32	JOAN ALEXANDER
400 M. FREE REL WOMEN 120+	MICH 9:32.65	Julie Howard 25	BETTY BARABASH
STANFORD 4:17.94 94	Kathy Beckley 52	Michelle Ward 31	WIS MASTERS 8:12.02
MARTIE MCKINNEY	Mary Williams 68	Donna Johnson 32	Betty Lorenzi 72
C CHICHESTER	Edith Glusac 81	ROLLING HILLS 5:44.06	Carol Smollen 55
DANIELLE OGIER	Jennifer Parks 56	Debbie Shultz 30	Ingrid Stine 60
KANA SHIBUYA	400 M. FREE REL WOMEN 280+	Cokie Lepinski 40	Judy Davis 64
GOLD 4:24.90	WALNUT CREEK 7:22.22 96	Diana Ursin 36	400 M. MEDLEY R WOMEN 280+
Tracie Moll 36	ELFRIEDE ROGERS	Susan Atamaniuk 51	WALNUT CREEK 8:32.38 93
Carolin Victoria 35	JAE HOWELL	OLDE DURHAM DOL 5:50.61	PAT PREVETZ
	JEAN DURSTON	Regin Brittingham 47	JAE HOWELL
		Maji Thomas-Will 51	ANN PISCIOTTA
		Heather Bakker 22	MARY JANE REEVES

# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

<p>SAN MATEO MARL 10:23.86 Lynne Taft 57 Gloria Stupfel 72 Audrey Etienne 83 Zada Taft 80</p> <p>400 M. MEDLEY R WOMEN 320+</p> <p>SAN MATEO 12:14.90 97 AUDREY ETIENNE HILDA BUEL ZADA TAFT EDIE GOLDMAN NO RELAYS</p> <p>800 M. FREE REL WOMEN 76+</p> <p>MINNESOTA 10:28.09 98 NICKI PHILLIPS JOSELYN SKOVGARD LAURA SMITH HEATHER NIEMI NO RELAYS</p> <p>800 M. FREE REL WOMEN 100+</p> <p>WALNUT CREEK 9:50.91 89 CAROL LEE-HELTZEL CATHEY COOLEY DEBBIE FLANSBURG AMY REIGER</p> <p>CRESCENT HILL M 10:17.13 Alexandra Nieto 27 Donna Johnson 32 Beth Blincoe 28 Andrea Gagnon 23</p> <p>800 M. FREE REL WOMEN 120+</p> <p>GOLD COAST 9:41.97 99 TRACIE MOLL G DERKS-GARDNER JAMIE HERRINGTON CAROLIN VICTORIA</p> <p>GOLD 9:41.97 Tracie Moll 36 Gina Gardner 28 Jamie Herrington 34 Carolin Victoria 35</p> <p>MENLO PARK 10:44.41 Mindy Behse 26 Tracy McLachlum 27 Sheri Mulroe 32 Lisa Sheeper 35</p> <p>SANTA CRUZ 11:02.97 A DeLa McHena-Cox 31 Ann Himington 37 Cindy Hartzer 30 Heather Catehoyle 23</p> <p>INLAND MASTERS 11:06.05 M Danapilis 27 Christina Deeter 25 Sarah Osborne 37 Karen Feld 32</p> <p>800 M. FREE REL WOMEN 160+</p> <p>SAN DIEGO 9:57.27 98 BARBARA DUNBAR MARILYN FINK CAROLINE KRATTLI BETH KNIGHT</p> <p>WILDCAT MASTERS 14:00.18 Meg Smath 43 Gail O'Malley 44 Tita Arnold 58 Janice Kregor 43</p>	<p>800 M. FREE REL WOMEN 200+</p> <p>GOLD COAST 11:22.14 99 MEG MAY DEBBIE CAVANAUGH JUNE KRAUSER MARCIA BARRY</p> <p>GOLD 11:22.14 Meg May 41 Debbie Cavanaugh 41 June Krauser 73 Marcia Barry 51</p> <p>USF MASTERS 14:30.27 Martha Higdon 47 Sunny Blende 49 Martha Campbell 51 Tanako Hagiwara 61</p> <p>800 M. FREE REL WOMEN 240+</p> <p>ST PETE 13:12.45 97 ELAINE BROMWICH SANDY STEER FLORENCE CARR JAYNE LAMBKE</p> <p>LAKESIDE MASTER 15:45.02 Mary Ann Haragan 66 Mary Jane Mullins 68 Joyce Voit 65 Mary Chris Curl 42</p> <p>OJAI-SANTA BARB 16:02.58 Ruth Farnham 69 Kitty Johnston 57 Grace Altus 75 Lois Goodman 52</p> <p>800 M. FREE REL WOMEN 280+</p> <p>WALNUT CREEK 16:17.09 92 JEAN DURSTON MARY JANE REEVES JAE HOWELL DONNA MONROE NO RELAYS</p> <p>800 M. FREE REL WOMEN 320+</p> <p>ST PETE 22:37.07 94 MARIAN MCKECHNIE FRANCES CICHANSKI WIN KENNEDY KAY SCHIMPF NO RELAYS</p> <p style="text-align: center;">MEN'S RELAYS</p> <p>200 M. FREE REL MEN 76+</p> <p>OLYMPIC CLUB 1:41.14 93 GARY ANTONICK ERIC TARBELL STEPHEN GOTH JIM MURRAY</p> <p>SEMS 1:48.88 Kenji Sudoh 26 Ben Kusmak 22 David Simpson 27 Phillip Rand 23</p> <p>200 M. FREE REL MEN 100+</p> <p>HOUSTONIAN CLUB 1:36.15 90 JAMES PRUNGLE STUART KNOWLES JEFF FREY JOHN SMITH</p> <p>MINN 1:41.41</p>	<p>Jason Hansen 26 Dean Sahr 20 Joseph Zimsen 30 Eric Wojta 28</p> <p>IM 1:41.58 James Ralph 26 C Alcott 24 Brian Cunningham 27 David Ackermann 34</p> <p>MENLO PARK 1:45.66 Dariusz Paczuski 37 Ed Owen 28 Dave Kane 29 John Krossow 25</p> <p>WALNUT CREEK 1:47.82 Kevin Raats 20 Chris Passmusseh 20 Roque Salitus 31 Steve Stahl 34</p> <p>UC IRVINE 1:48.81 Patrick Keenan 27 J P Kehoe 24 C Alvaro-Mercadel 30 M Ahmadi-Kashani 27</p> <p>PSC 1:49.51 Francisco Suro 28 Kent Johnson 31 Joel Heersink 20 Stephen So 24</p> <p>ARIZ 1:53.56 Edward Goldstein 24 Doug Adamvich 30 Eric Brewe 25 Tim Murphy 29</p> <p>200 M. FREE REL MEN 120+</p> <p>LONE STAR 1:37.43 86 DAVID HAGUE TRIP HEDRICK BUCK SMITH JIM MONTGOMERY</p> <p>NCMS 1:41.28 Jeff Murray 30 Fritz Lehman 41 Grant Johnston 27 Jonathan Klein 42</p> <p>IM 1:41.81 Robert Young 35 Plamen Alexandrov 38 John Pratt 36 Thomas McCabe 42</p> <p>SPM 1:43.90 Michael Halfast 34 Stuart Barton 31 Russell Frazier 45 Gary Bastie 49</p> <p>CRESCENT HILL M 1:46.47 Jeff Hogg 34 Michael Neal 35 Brad Schmied 27 Paul Widman 26</p> <p>LAS VEGAS MASTE 1:48.04 Kenneth Fust 29 Roland Sparling 35 Gary Thompson 34 Todd Dreitzler 29</p> <p>CRAWFISH AQUATI 1:48.75 Steve Heck 50 George Newport 47 Scott Rabalais 41 Justin Poche 21</p> <p>GAJA 1:49.19 Jason Haag 29 Evan Stroupis 25 Mike McCool 37 Daniel Lende 30</p> <p>LAKESIDE MASTER 1:49.40</p>	<p>John Gleason 39 Dale Mercker 32 James Luebbe 32 Douglas Montanus 28</p> <p>MINN 1:49.56 Ralph Bovard 47 Brett Anderson 21 Brian Holthus 42 John Stenroos 36</p> <p>HLJ 1:49.80 Peter Nickoden 50 Wladimir Kocerka 27 Robb Smith 29 Kevin Sherlock 29</p> <p>200 M. FREE REL MEN 160+</p> <p>HOLMES 1:39.27 90 JAMES DILLEY C. MILTENBERGER RICHARD ABRAHAMS TIMOTHY GARTON</p> <p>BDM 1:39.32 Curt Lacount 41 James Sorensen 41 Thomas Redig 38 David Holland 41</p> <p>MINN 1:40.72 Nate Leigh 43 Peter Rocca 42 Chris Weissman 37 Jeffrey Lukens 46</p> <p>TTEX 1:45.08 Bruce Wencel 44 David VanDam 44 Jon Smiley 38 M Stinchcombe 42</p> <p>MINN 1:46.68 James Bendtsen 45 Jordan Lewis 42 Michael Burns 39 Tom Emison 41</p> <p>PCAT 1:47.27 James Smith 41 Andrew Edmonson 32 Michael Fox 50 Tom Wolf 45</p> <p>PSC 1:49.21 Gregory Dozer 41 Matt Rankin 34 Matt Yingling 50 Bob Beardsley 41</p> <p>IM 1:49.40 Robert McAdam 37 Phil Dodson 46 John Strange 36 Andreas Seibt 41</p> <p>GOLD 1:50.53 John Spire 47 Craig Crawford 29 Marty Hendrick 41 Joel Burns 53</p> <p>LAFAYETTE MASTE 1:50.70 Greg Ellison 47 Stephen Billeaud 46 Scott Snyder 42 Kelly Chadick 30</p> <p>USF MASTERS 1:51.89 Patrick McBride 30 Brian Skuse 43 Artur Mantley 44 Jeanel T O'Connor 52</p> <p>200 M. FREE REL MEN 200+</p> <p>OLYMPIC CLUB 1:45.19 97 STEVE CLARK ROBERT STRAND</p>
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# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

<p>TIM BIRNIE JAMES ELDER</p> <p>GOLD 1:46.48</p> <p>Cav Cavanaugh 64 Jerry Greenberg 58 Larry Krauser 46 John Spire 47</p> <p>TOC 1:47.63</p> <p>Bill Barthold 50 James Krueger 61 James Elder 56 Robert Strand 53</p> <p>O*H* 1:51.33</p> <p>Jack Groselle 45 Peter van Dijk 70 Rudy Vazmina 49 Bob Sinsheimer 50</p> <p>SWIM 1:51.87</p> <p>Casey Claflin 46 Dren Geer 65 Rick Walker 49 Larry Black 41</p> <p>NCMS 1:52.93</p> <p>Jerry Clark 62 James Cottam 43 Rolffs Pinkerton 60 Joseph Rhyne 41</p> <p>WCM 1:53.42</p> <p>Mal Jester 50 Ken Burr 55 John Downer 48 Gary Kent 47</p> <p>TTEX 1:55.17</p> <p>Larry Wood 45 Graham Johnston 68 Richard Kopec 46 Tom Geiman 50</p> <p>GOLD 1:56.80</p> <p>Tim Erickson 43 Alan Rapperport 66 Jorge Gonzalez 50 Brian Keeney 52</p> <p>ARIZ 1:56.85</p> <p>Dave Gemmill 52 Kenneth Sanders 52 Phil Whitten 56 Tom Winters 60</p> <p>LAKESIDE MASTER 2:02.71</p> <p>John Nolan 51 William Tingley 49 Glenn Hubbuch 54 Rick Blondell 47</p> <p>200 M. FREE REL MEN 240+</p> <p>GOLD COAST 1:54.89 99</p> <p>CAV CAVANAUGH DOUGLAS BUCHAN DAVID MCINTYRE JERRY GREENBERG</p> <p>GOLD 1:54.89</p> <p>Cav Cavanaugh 64 Douglas Buchan 56 David McIntyre 62 Jerry Greenberg 58</p> <p>GOST 1:57.88</p> <p>Sid Hall 64 Joseph Lammert 60 Dan Willert 57 Yoshi Oyakawa 66</p> <p>IM 2:00.02</p> <p>Nathan Leech 50 Wayne Leengran 68 Fred Lehman 69 Peter Andersen 56</p> <p>SAN DIEGO SWIM 2:01.21</p> <p>Michael Ahern 54 Ken Kimball 69</p>	<p>Bill Earley 63 Mike Freshley 58</p> <p>SMMM 2:03.91</p> <p>Dick Peterson 62 Raymond Taft 80 Randy Brown 51 Donald Galine 54</p> <p>WALNUT CREEK 2:04.90</p> <p>Don Davis 55 Ken Buer 55 Bob Mayo 65 Don Brown 66</p> <p>USF MASTERS 2:15.28</p> <p>Bill Grohe 66 Chris Saunders 61 Robert Fewster 61 Daniel Osborne 65</p> <p>SMMM 2:17.12</p> <p>Norman Stupfel 67 Donald Stupfel 71 Ross Shoemaker 57 Gary Brenner 52</p> <p>ARIZ 2:18.32</p> <p>Ronald Johnson 67 George Downs 60 Douglas Goodman 50 Dan Gruender 70</p> <p>SPM 2:20.57</p> <p>John Risher 63 Bruce Day 49 Pete Arnold 60 Harold Ferris 68</p> <p>200 M. FREE REL MEN 280+</p> <p>LAM 2:10.75 92</p> <p>JOHN RICHARDS JAY CRADDOCK JACK MCCANN HUGH RICHARDS</p> <p>GREAT OHIO SWIM 2:18.90</p> <p>Yoshi Oyokawa 66 Sid Hall 64 John Florance 77 Edward Haban 74</p> <p>MICH 2:26.26</p> <p>John Ries 68 Freddy Edwards 74 Charles Moss 71 Robert Heritier 71</p> <p>ARIZ 2:27.58</p> <p>Ronald Johnson 68 William Bond 68 Lou Silverstein 73 Max Von Isser 80</p> <p>GOLD 2:28.85</p> <p>Herb Kern 67 George Busse 67 William Dolan 70 Alfredo Utrilla 79</p> <p>WMAC 2:29.86</p> <p>W Morgan Byers 72 Wesley Mayer 67 John Bauman 69 Perry Rockwell 75</p> <p>FMM 2:32.46</p> <p>Alan Maloney 70 Paul Hutinger 75 Joseph Kurtzman 73 Aaron Kurtzman 70</p> <p>SAN MATEO MARL 2:52.56</p> <p>Robert Schultz 75 Roy Taft 80 Don Stupfel 71 Robert Cunningham 72</p> <p>GOLD 3:13.69</p> <p>Louis Pollay 69 Marvin Kleinman 72</p>	<p>A Delavega 74 Loring Holmes 70</p> <p>OJAI-SANTA BARB 3:14.15</p> <p>Vito Portanova 79 R Clark Webster 84 John Johnston 57 John Bleck 66</p> <p>SPM 3:24.41</p> <p>Richard Avery 76 Robert Atwood 79 Abrasha Brainin 76 Ned Allen 69</p> <p>200 M. FREE REL MEN 320+</p> <p>OREGON 2:35.01 99</p> <p>EARL WALTER ALLAN DELAY GERALD HUESTIS ANDREW HOLDEN</p> <p>OREG 2:35.01</p> <p>Earl Walter 78 Allan De Lay 84 Gerald Huestis 79 Andrew Holden 80</p> <p>COAST MASTERS 2:55.90</p> <p>Woodrow Bowersock 86 Louis Giberson 79 Walter Pfeiffer 86 Emile Achee 72</p> <p>FMM 3:09.81</p> <p>E Don McCullough 84 Dave Malbrough 86 Elmer Luke 73 Brud Cleaveland 82</p> <p>TTEX 3:19.04</p> <p>Frank Campbell 73 Tex Robertson 90 Bennett Allen 85 Jesse Coon 89</p> <p>200 M. MEDLEY R MEN 76+</p> <p>OLYMPIC CLUB 1:49.35 95</p> <p>MIKE COLLEY JAMIE PATRICK BRAD BUDNEY GREG LARSON</p> <p>PSC 2:07.12</p> <p>Joel Heersink 20 Stephen So 24 Aaron Gordon 31 Matt Schlessman 24</p> <p>200 M. MEDLEY R MEN 100+</p> <p>HOUSTONION CLUB 1:48.46 90</p> <p>CLAY BRITT DEAN PUTTERMAN ROBERT KILLEEN JAMES PRINGLE</p> <p>MOVY 1:56.84</p> <p>Anthony Thompson 35 Tony Rezek 27 Mark Berry 26 William Gilbert 25</p> <p>GAJA 2:05.40</p> <p>Jason Haag 29 Daniel Lende 30 Evan Stroupis 25 Shawn Peters 24</p> <p>MINNESOTA 2:06.55</p> <p>Jeffrey Shea 36 Michael Steineman 25 Thad Ingersoll 29 Kirk Wahlstrom 27</p> <p>UC IRVINE 2:07.30</p> <p>J P Kehoe 24</p>	<p>M Ahmadi-Kashani 27 Patrick Keenan 27 C Alvaro-Mercadel 30</p> <p>MINN 2:15.99</p> <p>Brett Anderson 21 Kip Kirkpatrick 27 Joseph Zimsen 30 Paul Blank 30</p> <p>ARIZ 2:17.86</p> <p>Travis Dyer 29 Edward Goldstein 24 Eric Brewe 25 Tim Murphy 29</p> <p>200 M. MEDLEY R MEN 120+</p> <p>GOLD 1:50.05 98</p> <p>CRAIG CRAWFORD SETH VAN NEERDEN KARNEY MCNEAR KURT WIENANTS</p> <p>ANCM 1:52.43</p> <p>Michael Fell 38 Wally Dicks 36 John Feinstein 44 Jason Crist 37</p> <p>SPM 1:52.80</p> <p>William Specht 41 John Galloway 34 Stuart Barton 31 Michael Halfast 34</p> <p>IM 1:53.66</p> <p>James Ralph 26 Robert McAdam 37 John Pratt 36 Robert Young 35</p> <p>NCMS 1:56.64</p> <p>Jonathan Klein 42 Fritz Lehman 41 Grant Johnston 27 Jeff Murray 30</p> <p>GRIN 1:58.75</p> <p>Barry King 34 Daniel Bachrach 27 Roch King 36 Josh Skube 24</p> <p>LAKESIDE MASTER 2:01.07</p> <p>John Gleason 39 Dale Mercker 32 James Luebbe 32 Douglas Montanus 28</p> <p>LAS VEGAS MASTE 2:01.70</p> <p>Kenneth Fust 29 Roland Sparling 35 Gary Thompson 34 Todd Dreitzler 29</p> <p>CRESCENT HILL M 2:02.52</p> <p>Brad Schmied 27 Michael Neal 35 Jeff Hogg 34 Paul Widman 26</p> <p>OREG 2:02.86</p> <p>Bill Volckening 33 Mark Vininski 36 Chris Roth 40 Kelly Hibler 33</p> <p>UT 2:03.25</p> <p>Richard Kittel 51 Gary Shaw 45 Erik Crankshaw 27 Jon Frohlich 27</p> <p>200 M. MEDLEY R MEN 160+</p> <p>BADGER 1:50.88 99</p> <p>CURT LACOUNT DAVID HOLLAND THOMAS REDIG</p>
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# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

<p><b>JAMES SORESEN</b></p> <p><b>BDM</b> 1:50.88 Curt Lacount 41 David Holland 41 Thomas Redig 38 James Sorensen 41</p> <p><b>MINN</b> 1:53.31 Peter Rocca 42 Chris Weissman 37 Nate Leigh 43 Jeffrey Lukens 46</p> <p><b>IM</b> 1:54.79 Andreas Seibt 41 Plamen Alexandrov 38 Dave Gibson 39 Thomas McCabe 42</p> <p><b>TTEX</b> 1:58.38 David VanDam 44 Bruce Wencel 44 M Stinchcombe 42 Jon Smiley 38</p> <p><b>MINN</b> 2:00.25 James Bendtsen 45 J Kochendorfer 39 Darrell Smith 43 Tom Emison 41</p> <p><b>NEM</b> 2:00.93 David Bright 46 S Vankuilenburg 34 Edmund Gendreau 37 Homer Lane 50</p> <p><b>VMST</b> 2:04.38 Lang Meem 45 Gennard Lanzara 41 Dave Holland 32 Jim Miller 49</p> <p><b>GOLD</b> 2:04.50 Marty Hendrick 41 Craig Crawford 29 Joel Burns 53 John Spire 47</p> <p><b>PCAT</b> 2:04.70 Tom Wolf 45 Jeff Peng 40 Andrew Edmonson 32 Michael Fox 50</p> <p><b>ANCIENT MARINER</b> 2:09.37 Thomas Denes 42 John Feinstein 44 Jason Crist 37 Gerry Gray 39</p> <p><b>200 M. MEDLEY R MEN 200+</b></p> <p><b>OLYMPIC CLUB</b> 1:58.50 94 TIM BIRNIE ROBERT STRAND RICHARD BASSI JAMES ELDER</p> <p><b>TOC</b> 2:04.32 Bill Barthold 50 Robert Strand 53 James Krueger 61 James Elder 56</p> <p><b>IM</b> 2:06.22 Nathan Leech 50 Peter Andersen 56 Phil Dodson 46 John Anderson 49</p> <p><b>O*H*</b> 2:06.26 Peter van Dijk 70 Dale Korner 47 Rudy Vazmina 49 Jack Groselle 45</p> <p><b>SWIM</b> 2:08.03 Casey Claflin 46 Rick Walker 49 Dren Geer 65</p>	<p>Larry Black 41</p> <p><b>WCM</b> 2:09.90 Kerry O'Brien 42 Mal Jester 50 A Emory Haworth 63 John Downer 48</p> <p><b>TTEX</b> 2:12.26 Larry Wood 45 Richard Kopec 46 Tom Geiman 50 Graham Johnston 68</p> <p><b>LAKESIDE MASTER</b> 2:15.08 William Tingley 49 Jim Goodwin 52 Glenn Hubbuch 54 John Nolan 51</p> <p><b>MINN</b> 2:16.04 Marc Anderson 50 Jim Pelissier 55 Charles Nielsen 54 George Bowlin 47</p> <p><b>ARIZ</b> 2:16.21 Kenneth Sanders 52 Phil Whitten 56 Dave Gemmill 52 Tom Winters 60</p> <p><b>MINN</b> 2:22.14 Douglas Bovard 42 Ralph Bovard 47 Scott Bovard 41 Gilbert Bovard 72</p> <p><b>200 M. MEDLEY R MEN 240+</b></p> <p><b>GOLD</b> 2:15.93 98 DAVID MCINTYRE HERB KERN JOEL BURNS CAV CAVANAUGH</p> <p><b>SAN DIEGO SWIM</b> 2:17.80 Bill Earley 63 Mike Freshley 58 Michael Ahern 54 Ken Kimball 69</p> <p><b>GOST</b> 2:18.91 Sid Hall 64 Karl Wiedemann 61 Joseph Lammert 60 Dan Willert 57</p> <p><b>SMMM</b> 2:23.11 Raymond Taft 80 Dick Peterson 62 Randy Brown 51 Donald Galine 54</p> <p><b>NCMS</b> 2:25.40 Rolffs Pinkerton 60 Milton Gee 62 Dick Webber 70 Jerry Clark 62</p> <p><b>GOLD</b> 2:27.47 Alan Rapperport 66 Jorge Gonzalez 50 Cav Cavanaugh 64 L Silverstein 65</p> <p><b>OREG</b> 2:29.16 Arthur Welch 67 Allen Stark 50 Richard Weick 65 David Radcliff 65</p> <p><b>GAJA</b> 2:42.58 William Lotz 50 Irwin Stolz 70 Reed Farris 44 Herb McAuley 77</p> <p><b>IM</b> 2:43.97 Dick Talbot 66 Bill Mulliken 60 Thomas Maine 74</p>	<p>Wayne Leengran 68</p> <p><b>HOT</b> 2:44.84 Gordon Gillin 69 Art Kelley 74 Tom Winters 60 Jim Stites 42</p> <p><b>NEM</b> 2:58.54 James Edwards 77 F H Ted Haartz 71 Frank McQuiggan 51 Brian McSweeney 51</p> <p><b>200 M. MEDLEY R MEN 280+</b></p> <p><b>OREGON</b> 2:34.57 92 FLOYD ELIOTT BOB MORRISON ANDREW HOLDEN GERALD HUESTIS</p> <p><b>GOST</b> 2:36.46 Yoshi Oyakawa 66 Walter Lincoln 66 John Florance 77 Edward Haban 74</p> <p><b>FMM</b> 2:38.18 Paul Hutingner 75 Robert MacDonald 71 Joseph Kurtzman 73 Alan Maloney 70</p> <p><b>ARIZ</b> 2:39.94 Ronald Johnson 68 Daniel Gruender 70 Max Von Isser 80 William Bond 68</p> <p><b>MICH</b> 2:58.47 Charles Moss 71 Freddy Edwards 74 John Ries 68 Robert Heritier 71</p> <p><b>MINN</b> 3:01.71 C Edward Johnson 81 Raymond Hakomaki 79 Bruce McRae 51 Frank Preston 71</p> <p><b>WIS MASTERS</b> 3:11.78 W Morgan Byers 72 Wesley Mayer 67 Alex MacGillis 71 Harlan Drake 71</p> <p><b>GOLD</b> 3:16.94 Joaquin Silverio 73 Agustin Delavega 74 L Silverstein 65 William Dolan 70</p> <p><b>WIS MASTERS</b> 3:21.36 Tom Michelson 68 John Bauman 69 Perry Rockwell 75 Lynn Surlles 82</p> <p><b>SPM</b> 3:25.44 Richard Avery 76 Abrasha Brainin 76 John Cox 64 Robert Atwood 79</p> <p><b>200 M. MEDLEY R MEN 320+</b></p> <p><b>OREGON</b> 3:05.43 99 EARL WALTER GERALD HUESTIS ANDREW HOLDEN ALLAN DELAY</p> <p><b>OREG</b> 3:05.43 Earl Walter 78 Gerald Huestis 79 Andrew Holden 80 Allan De Lay 84</p> <p><b>FMM</b> 3:13.89</p>	<p>Dave Malbrough 86</p> <p>E Don McCullough 84</p> <p>Aaron Kurtzman 70</p> <p>Brud Cleaveland 82</p> <p><b>COAST MASTERS</b> 3:30.96 Bob Merrick 79 Louis Giberson 79 Walter Pfeiffer 86 Woodrow Bowersock 86</p> <p><b>TTEX</b> 3:46.35 Frank Campbell 73 Bennett Allen 85 Jesse Coon 89 Tex Robertson 90</p> <p><b>400 M. FREE REL MEN 76+</b></p> <p><b>GREATER INDIANA</b> 3:42.66 99 BEN CHRISTOFFEL GRANT COMER DENNIS PETTE ADAM DAWKINS</p> <p><b>GRIN</b> 3:42.66 Ben Christoffel 23 Grant Comer 25 Dennis Pette 23 Adam Dawkins 24</p> <p><b>400 M. FREE REL MEN 100+</b></p> <p><b>SANTA CLARA</b> 3:39.63 94 SERGEY MARINIUK JAMES PARRACK MIKE MOORE FRANZ MORTENSEN</p> <p><b>LAS VEGAS MASTE</b> 4:06.31 Colin Sully 21 Adam Berger 21 Kenneth Fust 29 Todd Dreitzler 29</p> <p><b>GRIN</b> 4:08.87 Ben Christoffel 24 Ric Seaver 27 Grant Comer 25 Jeremy Houchins 29</p> <p><b>400 M. FREE REL MEN 120+</b></p> <p><b>THE OLYMPIC CLB</b> 3:47.83 94 ROBERT PLACAK KURT VANDERBORGART SEAN MURPHY DAVE LUNDBURG</p> <p><b>CRESCENT HILL M</b> 4:11.92 Jeffrey Hogg 34 Brad Schmied 27 Hank Faris 28 Michael Neal 35</p> <p><b>UC IRVINE</b> 4:25.89 C Alvaro-Mercadel 30 Scott Brooks 28 Dwight Henninger 40 Paul Cleary 36</p> <p><b>GOLD</b> 4:36.04 David Boudreau 41 Paul Randall 38 Edward Ames 30 Gerry Falconer 41</p> <p><b>CRESCENT HILL M</b> 4:41.00 Norman Schippert 36 Charles Francke 43 Michael Johmann 37 John Voorhees 41</p> <p><b>WEST HOLLYWOOD</b> 4:43.64 Dan Evans 43 Vincent Lowell 38 Sean Early 33 Jeffrey Rykhus 36</p>
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# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

GAJA	6:12.93	David Wilshin	58	Michael Johmann	37	Thomas Mester	48
Mark Veater	43	OJAI-SANTA BARB	7:05.42	John Voorhees	41	Scott Whittemore	45
Jeff Jones	37	Vito Portanova	79	Norman Schippert	36	James Grubbs	45
John Daniel	44	John Johnston	57	Michael Neal	35	Jon Shastid	51
Carlton DeVooght	27	John Bleck	66	IRVINE NOVAQUAT	4:54.35	UC IRVINE	5:30.64
		Tom Mitchell	66	Eric Gramlow	29	Patrick Schlup	59
400 M. FREE REL	MEN 160+			Brook Cross	49	Allen Murray	55
		400 M. FREE REL	MEN 280+	Ken Dory	34	J P Kehoe	24
MINNESOTA	3:55.72 98	OREGON	5:41.34 93	Don Reyburn	37	Scott Brooks	28
PAUL WINDRATH		EARL WALTER		GOLD	5:10.15	400 M. MEDLEY R	MEN 200+
NATHAN LEIGH		FLOYD ELIOTT		John Andrews	41	THE OLYMPIC CLB	4:38.46 94
MIKE BURNS		GIL YOUNG		David Boudreau	41	TIM BIRNIE	
TOM EMISON		ANDREW HOLDEN		Edward Ames	30	ROBERT STRAND	
GOLD	4:25.77	GOLD	5:48.98	Gerry Falconer	41	RICHARD BASSI	
Chris Burt	44	Herb Kern	67	INLAND MASTERS	5:14.59	JAMES ELDER	
Tim Erickson	43	George Busse	67	Mike Murphy	39	GARDEN STATE MA	5:10.61
Marty Hendrick	41	William Dolan	70	Alvaro Farnos	25	Richard Alexander	55
Chuck Reller	48	Alfredo Utrilla	79	Joseph Deem	46	Edward Nessel	54
OJAI-SANTA BARB	4:46.15	WIS MASTERS	7:12.76	Evan Evansky	30	Richard Bohan	48
Rick Goeden	52	John Bauman	69	LAKESIDE MASTER	5:18.47	Larry Seidman	51
Corey Welles	36	Alex MacGillis	71	John Gleason	39	WALNUT CREEK	5:32.47
Reed Harding	47	Harlan Drake	71	James Luebbe	32	Kerry O'Brien	42
David Schrader	43	Lynn Surles	82	Kirk Buese	39	Don Davis	55
CRESCENT HILL M	4:56.97			Jimbo Martin	39	Emoy Haworth	63
James Grubbs	45	400 M. FREE REL	MEN 320+	SPORT FREMONT	5:29.41	Frank Nieman	67
Scott Whittemore	45	COAST MASTERS	6:12.12 98	Jim Hail	37	MENLO PARK	6:10.91
George Vieth	44	BOB CHRISTIANS		Mark Carter	37	Dick Bennett	69
Thomas Mester	48	LOUIS GIBERSON		Huy Vu	41	Jeff Strauod	47
WIS MASTERS	5:16.72	BOB MERRICK		Steve Billmire	37	Rick Peterson	52
William Boldon	43	WOODROW BOWERSOCK		MENLO PARK	5:30.25	Martin Michael	56
Eric Jernberg	41	NO RELAYS		Eduardo Llach	40	OJAI-SANTA BARB	6:24.69
Mike Daley	49			Adam Willbun	37	David Williams	42
Gary Janicki	45			Sherman Hall	37	John Bleck	66
				Scott Marshall	37	Tom Mitchell	66
400 M. FREE REL	MEN 200+	400 M. MEDLEY R	MEN 76+	GAJA	5:33.10	John Johnston	57
				Jeff Jones	37		
LOS ALTOS	4:05.72 94	GREATER INDIANA	4:11.46 99	John Daniel	44	400 M. MEDLEY R	MEN 240+
DAVE GRAY		DENNIS PETTE		Carlton DeVooght	27	GOLD COAST	5:21.05 98
ED CAZALET		BEN CHRISTOFEL		Mark Veater	43	DAVID MCINTYRE	
DICK JAMES		GRANT COMER				HERB KERN	
BOB PROEBSTING		ADAM DAWKINS		400 M. MEDLEY R	MEN 160+	JOEL BURNS	
UC IRVINE	5:05.63	GRIN	4:11.46	MINNESOTA	4:35.87 94	CAV CAVANAUGH	
Charles Hurst	42	Dennis Pette	23	PAUL WINDRATH		SAN MATEO MARL	6:06.02
Douglas Fletcher	67	Ben Christoffel	23	JOHN EVERS		Don Galine	54
Allen Murray	55	Grant Comer	25	JOHN MCCALL		Norm Stupfel	67
Patrick Schlup	59	Adam Dawkins	24	LARRY NYMAN		Dick Peterson	62
MICH	5:19.62			GOLD	4:38.02	Ross Shoemaker	57
Donald Kroeger	56	400 M. MEDLEY R	MEN 100+	Marty Hendrick	41	GAJA	6:37.27
Ralph Davis	52	NEW ENGLAND	4:12.04 96	Craig Crawford	29	Ed Sperr	55
Dennis McManus	52	ROBERT BERRY		Joel Burns	53	Bill McClung	60
Paul Wright	45	S VANKUILEBURG		John Spire	47	John Zeigler	54
SOUTH WEST AQUA	5:38.43	EDMUND GENDREAU		ROLLING HILLS	4:59.75	Herb McAuley	77
Glenn Thobe	55	CHRIS BARRETT		Eric Van Boer	45	WIS MASTERS	6:42.06
Steven Schofield	67	MENLO PARK	4:39.49	Peter Boorstein	38	W Morgan Byers	72
David Strybel	44	Jon Kossow	25	Bill Adkinson	44	John Bauman	69
Stephen Peck	42	Dariusz Paczuski	33	Rob Pine	47	Thomas Meehan	52
400 M. FREE REL	MEN 240+	Dave Kaue	29	OJAI-SANTA BARB	5:07.50	Stephen Justinger	47
		Ed Owen	28	Corey Welles	36	WIS MASTERS	6:43.40
GOLD COAST	4:33.42 99	CRESCENT HILL M	4:41.92	Reed Harding	47	Mike Daley	49
CAV CAVANAUGH		Brad Schmied	27	Robert Mitchell	41	Wesley Mayer	67
DOUGLAS BUCHAN		Eric Fors	29	David Schrader	43	Tom Michelson	68
DAVID MCINTYRE		Hank Faris	28	USF MASTERS	5:08.01	Harry Ruminski	62
JERRY GREENBERG		Jeffrey Hogg	34	Arthur Mantey	44	USF MASTERS	6:50.19
GOLD	4:33.42	OREG	5:22.91	Brain Skuse	43	Bil Grohe	66
Cav Cavanaugh	64	Steven Jenkins	21	Patrick McBride	30	Robert Fewster	61
Douglas Buchan	56	Jeff Kaelon	33	Jeanel T O'Connor	52	Daniel Osborne	65
David McIntyre	62	Eric Askerman	32	UC IRVINE	5:12.52	Chris Saunders	61
Jerry Greenberg	58	Arlo Murphy	22	Dwight Henninger	40	INLAND MASTERS	7:03.80
INLAND MASTERS	6:03.86			John Templin	45	George Bruggeman	64
Bob Best	67	400 M. MEDLEY R	MEN 120+	Michael Stigson	38	Bob Best	67
H Linser	60	THE OLYMPIC CLB	4:04.49 94	Charles Hurst	42	H Linser	60
George Bruggeman	64	SEAN MURPHY		GOLD	5:24.66	Orlay Plummer	53
Herbert Nakama	69	STUART CORLISS		Chris Burt	44		
GAJA	6:27.52	DAVID LUNDBERG		Paul Randall	38	400 M. MEDLEY R	MEN 280+
John Zeigler	54	MIKE KECK		Tim Erickson	43		
Bill McClung	60	CRESCENT HILL M	4:43.06	Laurence Rubel	39		
Herb McAuley	77			CRESCENT HILL M	5:26.41		

# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

<p>COLONIALS 6:30.60 90            ROGER FRANKS            NORMAN GARSOE            BIRCH DAVIDSON            FRANK BELLAIRE</p> <p>GOLD 7:33.25            Joaquin Silverio 73            Agustin Delavega 74            L Silverstein 65            William Dolan 70</p> <p>SAN MATEO MARL 8:03.39            Don Stupfel 71            Robert Cunningham 72            Ray Taft 80            Robert Schultz 75</p> <p>400 M. MEDLEY R MEN 320+</p> <p>COAST MASTERS 7:34.79 98            BOB CHRISTIANS            BOB MERRICK            LOUIS GIBERSON            WOODROW BOWERSOCK</p> <p>NO RELAYS</p> <p>800 M. FREE REL MEN 76+</p> <p>GREATER INDIANA 8:28.72 99            GRANT COMER            DENNIS PETTE            GEORGE LATHROP            ADAM DAWKINS</p> <p>GRIN 8:28.72            Grant Comer 25            Dennis Pette 23            George Lathrop 26            Adam Dawkins 24</p> <p>SANTA CRUZ 8:59.63            Ryan Hall 21            Greg Bernes 22            James Jones 24            Mike Chapman 21</p> <p>800 M. FREE REL MEN 100+</p> <p>SANTA CLARA 8:04.17 94            SERGEY MARINIUK            FRANZ MORTENSEN            JAMES PARRACK            MIKE MOORE</p> <p>OREG 10:26.51            Jeff Kaelon 33            Eric Askerman 32            Arlo Murphy 22            Steven Jenkins 21</p> <p>800 M. FREE REL MEN 120+</p> <p>GEORGIA 8:24.09 97            SCOTT FREDERICK            ANDREW PULSIFER            RANDY RANDOLPH            IGOR VAZHENIN</p> <p>MENLO PARK 9:16.15            Tim Sheeper 36            Ed Owen 28            Dariusz Paczuski 33            Jeff Strnad 47</p> <p>UC IRVINE 9:24.78            M Ahmadi-Kashani 27            David Turbow 30            John Templin 45            Patrick Keenan 27</p> <p>CRESCENT HILL M 9:30.35            Jeffrey Hogg 34            Brad Schmied 27            Michael Neal 35            Norman Schippert 36</p>	<p>SANTA CRUZ 9:34.23            Don Wirls 39            Doug Petrie 30            John Parker 36            John Sultan 52</p> <p>WILDCAT MASTERS 10:11.86            Chad Riegle 24            Keith Raker 30            Matthew Painter 40            Brian Reed 43</p> <p>INLAND MASTERS 10:46.82            Evan Evansky 30            Mike Murphy 39            Steve Clark 47            Kinney Hardin 37</p> <p>800 M. FREE REL MEN 160+</p> <p>MINNESOTA 8:47.08 98            NATHAN LEIGH            PAUL WINDRATH            TOM EMISON            JIM STEWART</p> <p>GOLD 9:50.67            Chuck Reller 48            Marty Hendrick 41            John Andrews 41            Tim Erickson 43</p> <p>CRESCENT HILL M 10:11.17            James Grubbs 45            Scott Whittemore 45            John Voorhees 41            Michael Johmann 37</p> <p>LAKESIDE MASTER 10:35.73            Charles Miesner 44            Jimbo Martin 41            Kirk Buese 39            David Jones 41</p> <p>WIS MASTERS 10:57.09            John Maniaci 48            Stephen Justinger 47            Thomas Meehan 52            Charles Lorenz 24</p> <p>USF MASTERS 11:02.91            Brian Skuse 43            Chris Saunders 61            Elmer Tosta 51            Patrick McBride 30</p> <p>800 M. FREE REL MEN 200+</p> <p>GOLD COAST 9:26.39 98            CAV CAVANAUGH            CRAIG BURNS            JOHN SPIRE            PETER GALVICH</p> <p>CRESCENT HILL M 11:19.00            George Dodge 54            John Graham 54            Larry Hunt 52            Jon Shastid 51</p> <p>UC IRVINE 11:28.73            Patrick Schlup 59            Allen Murray 55            Frank Wessel 47            Charles Hurst 42</p> <p>MENLO PARK 11:44.49            Ken Wilner 35            John Richardson 47            Rick Peterson 52            Dick Bennett 68</p> <p>OJAI-SANTA BARB 11:45.26            Robert Mitchell 41            John Bleck 66            Tom Mitchell 66            Rick Goeden 52</p> <p>800 M. FREE REL MEN 240+</p>	<p>GOLD COAST 10:45.96 99            CAV CAVANAUGH            HERB KERN            DAVID MCINTYRE            JOHN SPIRE</p> <p>GOLD 10:45.96            Cav Cavanaugh 64            Herb Kern 67            David McIntyre 62            John Spire 47</p> <p>WALNUT CREEK 11:48.93            Emory Hayworth 63            Bob Mayo 65            Ken Burr 55            Jim Perilman 60</p> <p>INLAND MASTERS 14:29.27            Orlay Plummer 53            Mark Krakower 56            George Bruggeman 64            Herbert Nakama 69</p> <p>800 M. FREE REL MEN 280+</p> <p>SAN MATEO 12:22.64 94            RAY TAFT            FRED TAIOLI            ED MORAN            BILL STEUART</p> <p>GOLD 15:24.11            L Silverstein 65            Joaquin Silverio 73            Alfredo Utrilla 79            George Busse 67</p> <p>800 M. FREE REL MEN 320+</p> <p>COAST MASTERS 17:33.86 95            JOHN GLENN            ROBERT CHRISTIANS            WALTER PFEIFFER            WOODROW BOWERSOCK</p> <p>COAST MASTERS 16:30.81NV            Walter Pfeiffer 86            Louis Giberson 79            Bob Merrick 79            Woodrow Bowersock 86</p> <p>MIXED RELAYS</p> <p>200 M. FREE REL MIXED 76+</p> <p>UNIV SAN FRAN 1:48.50 92            CYNTHIA HINSHAW            GARY YANG            JANET HAUER            ANDREW GELLER</p> <p>MINN 1:56.82            Brian Beckstrom 24            Laura Palombi 20            Greta Petersen 22            Eric Wojta 28</p> <p>MINN 1:59.30            Beth Shimanski 22            Brett Anderson 21            Linda Ditty 28            Dean Sahr 20</p> <p>CRESCENT HILL M 1:59.71            Brad Schmied 27            Andrea Gagnon 23            Jennifer Kroh 20            Paul Widman 26</p> <p>200 M. FREE REL MIXED 100+</p> <p>MICHIGAN 1:44.84 96            DYNE BURRELL</p>	<p>SUSIE DEVLIN            TODD MERCER            MICHAEL GREEN</p> <p>UC IRVINE 1:54.40            M Ahmadi-Kashani 27            Patrick Keenan 27            Natalie Ferrell 27            Krystal Durfey 23</p> <p>MOVY 1:58.25            Tony Rezek 27            Heather Schuerman 23            Shari Harden 32            Anthony Thompson 35</p> <p>SHREVEPORT AQUA 2:03.64            Bill Cleveland 34            Charlene Griffin 21            Heidi Griffin 23            Todd Scherm 26</p> <p>MINN 2:03.86            Joseph Zimsen 30            Nicole Phillips 30            Shannon Swanstrom 31            Kip Kirkpatrick 27</p> <p>UC IRVINE 2:06.67            C Alvaro-Mercadel 30            David Turbow 30            Connie Tong 28            Dawn Loewy 26</p> <p>CRESCENT HILL M 2:07.12            Jeff Hogg 34            Julie Howard 25            Tiffany Wells 23            Brent Runkle 34</p> <p>SWIM 2:11.28            Dean Mitchinson 31            Martha Liggett 29            Donna Lefevre 28            Ed Switzer 31</p> <p>LAFAYETTE MASTE 2:21.79            Joylynn Pitre 27            Holli Guidry 30            Bob Shearer 25            Darrin Anderson 29</p> <p>200 M. FREE REL MIXED 120+</p> <p>GOLD 1:42.65 98            TODD PACE            TRACIE MOLL            JAMIE HERRINGTON            KURT WIENANTS</p> <p>SPM 1:50.58            Judy Tibma 43            Stuart Barton 31            Tricia Moses 40            Michael Halfast 34</p> <p>CRESCENT HILL M 1:52.57            Michael Neal 35            Alexandra Nieto 27            Kathy Beckovich 32            Norman Schippert 36</p> <p>PCAT 1:52.84            J Richardson 20            Sunny Smiley 29            Tom Wolf 45            Andrew Edmonson 32</p> <p>VMST 1:53.31            Lang Meem 45            Paula Jones 31            Dave Holland 32            Beth Baker 38</p> <p>IM 1:54.21            Jennifer Ridge 31            Susan Smar 35            James Ralph 26            Robert Young 35</p> <p>SEMS 1:54.59            Phillip Rand 23</p>
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# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

Kurt Becker	33	C Gettelfinger	42	Yoshi Oyakawa	66	Jurgen Schmidt	76
Judith Lallier	40	Nan Stager	44	NCMS	2:16.02	WCM	2:59.67
Mary Hanney	29	David Tanner	49	Sandra Cathey	50	Jae Howell	77
BDM	1:54.82			Sally Newell	62	Jean Durston	85
Thomas Redig	38	200 M. FREE REL MIXED 200+		Dick Webber	70	A Emory Haworth	63
David Holland	41			Jerry Clark	62	Ken Burr	55
Laurie Alioto	41	LOS ALTOS	1:55.50 94	SAN DIEGO SWIM	2:20.76	IM	2:59.93
Patricia Miller	34	EDWARD CAZALET		Ken Kimball	69	Fred Lehman	69
OREG	1:56.12	LAURA VAL		Betsy Jordan	62	Clara Sotak	75
Bill Zolna	30	ARLENE PROEBSTING		Jeanne Little	62	Hannelore Snyder	69
Karen Hakanson	34	ROBERT PROEBSTING		Michael Ahern	54	Wayne Leengran	68
Laura Tyrell	32	IM	2:05.01	MACO	2:22.99	MINN	3:18.11
Steve Parmentier	34	Mark Anderson	46	Lavelle Stoinoff	66	Raymond Hakomaki	79
CRAWFISH AQUATI	1:58.22	Irene David	55	Thomas Levak	61	C Edward Johnson	81
Justin Poche	21	Catherine Quill	49	Jim Bigler	64	Kathleen Danford	55
Karlene Wise	46	Nathan Leech	50	Susanne Schumann	62	Lenore Gendron	70
Ann Hill	30	GOLD	2:05.18	ARIZ	2:23.70	WIS MASTERS	3:26.33
Steve Heck	50	Carlos Castro	36	Tom Winters	60	Harlan Drake	71
MINN	1:58.89	Marcia Barry	51	William Bond	68	Betty Kendall	79
J Kochendorfer	39	Anne Laborwit	49	Sally Bolar	60	Fran Zeumer	80
Jane Hansen	39	Cav Cavanaugh	64	Helen Bayly	62	John Bauman	69
Peggy Kratz	39	GOLD	2:05.28	OREG	2:23.94		
John Stenroos	36	Mary Dore	36	Sandi Rousseau	52	200 M. FREE REL MIXED 320+	
		Alan Rapperport	66	Arthur Welch	67	D C MASTERS	3:03.15 93
200 M. FREE REL MIXED 160+		Rorie Anderson	48	Pamela Himstreet	56	NANCY CLARK	
RMM	1:45.83 98	Joel Burns	53	Richard Weick	65	ANNE WALKER	
KATHY GARNIER		OREG	2:10.72	SPM	2:35.20	KELLY LEMMON	
LAUREN WELTING		David Radcliff	65	Jayne Lambke	60	DAVID MCAFFEE	
RICHARD ABRAHAMS		Elke Asleson	47	Robert Beach	69	COAST MASTERS	3:14.92
JAMES LILLEY		Janet Gettling	51	Sandy Steer	60	Maxine Merlino	87
BDM	1:49.81	Chris Roth	40	Harold Ferris	69	Maurine Kornfeld	78
James Sorensen	41	MINN	2:14.75	MICHIGAN MASTER	2:36.64	Bob Merrick	79
Curt Lacount	41	Jim Pelissier	55	Donald Kroeger	56	Louis Giberson	79
Karen Morrison	41	Lou Flynn	54	Lois Kivi Nochman	75	NORTH CAROLINA	5:03.98
Patty Redig	39	Mary Vonderharr	46	Beverly Myers	64	Boyd Campbell	89
GAJA	1:52.32	Elizabeth Cutter	47	Frank Thompson	48	Harold Hoffman	91
Igor Vazhenin	35	PCAT	2:16.59	IM	2:37.14	Judy Kelly	75
Penny Noyes	45	Lynn Silver	47	Dick Talbot	66	Nancy McPhee	66
F Williamson	51	William Crowley	60	Bill Mulliken	60		
Mike Reid	38	Thomas Dillon	58	Rita Costello	77	200 M. MEDLEY R MIXED 76+	
CRAQ	1:52.51	C Richardson	46	C Stonesifer	47	UNIV SAN FRAN	2:02.31 92
Steve Heck	50	IM	2:17.82	200 M. FREE REL MIXED 280+		GARY YANG	
Ann Hill	30	Peter Andersen	56	OREGON	2:31.29 92	JANET HAUER	
Karlene Wise	46	Mary Pohlmann	54	GERALD HUESTIS		GREG MACKEM	
Scott Rabalais	41	Carol Taggart	50	ANDREW HOLDEN		CYNTHIA HINSHAW	
TTEX	1:53.84	John Anderson	49	PETEY SMITH		MINN	2:06.16
Jon Smiley	38	LAKESIDE MASTER	2:18.26	PAULINE STANGEL		Mike Wencl	22
Sally Maddox	40	John Nolan	51	ARIZ	2:31.55	Greta Petersen	22
Sharon Wencel	40	William Tingley	49	Ronald Johnson	68	Jason Hansen	26
M Stinchcombe	42	M Blaske-Hull	50	Nancy Macbeth	70	Laurie Lett	27
IM	1:54.86	Carol Ferguson	68	Edie Gruender	71	MINN	2:12.11
John Pratt	36	SWIM	2:18.40	Lou Silverstein	73	Linda Ditty	28
Andrea Block	38	Richard Brewer	54	GOST	2:35.15	Brett Anderson	21
Cynthia Jones	49	Martha Dodd	41	Edward Haban	74	Beth Shimanski	22
Plamen Alexandrov	38	Jean Garbus	65	Marge Bowdon	76	Dean Sahr	20
GSM	1:57.16	Dren Geer	65	Chris Gilligan	56	CRESCENT HILL M	2:18.03
Norman Noe	30	GOST	2:18.50	John Florance	77	Brad Schmied	27
N Steadman-Martin	45	Walter Lincoln	66	MICH	2:42.29	Jennifer Kroh	20
A Luallen-Scholz	34	Anne Frayne	45	Beverly Myers	64	Paul Widman	26
Arthur Deffaa	51	Melinda Smith	47	Freddy Edwards	74	Andrea Gagnon	23
WCM	1:57.17	Dan Willert	57	Lois Nochman	75	OREG	2:39.77
Mal Jester	50	200 M. FREE REL MIXED 240+		Charles Moss	71	Arlo Murphy	22
Charlene O'Brien	43	SAN DIEGO	2:07.26 97	FMM	2:53.18	Janet Hailey	31
Penny Leach	36	DONALD BAKER		Regan Kenner	76	Steven Jenkins	21
Kerry O'Brien	42	JEANNE LITTLE		Brud Cleaveland	82	Phoebe Haynes	21
MINN	1:57.97	JACKIE MARR		Doris Prokopi	64		
Jeffrey Lukens	46	BILL EARLEY		Alan Maloney	70	200 M. MEDLEY R MIXED 100+	
Julie Benz	42	DCM	2:12.19	WMAC	2:54.75	HOUSTONIAN CLUB	1:56.50 90
Barbara Fewer	40	Barbara Frid	57	Betty Lorenzi	72	CLAY BRITT	
Paul Windrath	45	Beth Schreiner	58	Lynn Surlis	82	L WETZEL-OSBORNE	
SWIM	1:59.24	Lawrence Cohen	64	Carol Smollen	55	STUART KNOWLES	
Casey Claflin	46	Lee Bettis	61	Perry Rockwell	75	REBECCA WETZEL	
Deb Walker	48	GOST	2:13.26	OJAI-SANTA BARB	2:55.62	MOVY	2:02.28
Rick Walker	49	Sid Hall	64	Frank Pienme	74	Shari Harden	32
Liz Burchett	37	Valerie Lyons	64	Ruth Baar	77	Tony Rezek	27
GRIN	1:59.45	Ann Guins	46	Malchia Olshan	68		
Joel Stager	47						

# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

Beth Eldridge	29	Kurt Becker	33	Edmund Gendreau	37	GOLD	2:33.05
William Gilbert	25	Denise Carlson	35	Homer Lane	50	Alan Rapperport	66
NEM	2:05.14	LAKESIDE MASTER	2:09.42	CRAQ	2:11.81	Debbie Cavanaugh	41
Kriste Kleiner	24	John Gleason	39	Karlene Wise	46	Cav Cavanaugh	64
S Vankuilenburg	34	Dale Mercker	32	Steve Heck	50	June Krauser	73
Marc Broudy	28	Pam Martin	42	Scott Rabalais	41	DCM	2:36.57
Michelle Hackmer	23	Melinda Schmitt	41	Ann Hill	30	Lee Bettis	61
USF MASTERS	2:08.61	CRESCENT HILL M	2:11.79	200 M. MEDLEY R MIXED 200+		Lawrence Cohen	64
Maya Nasutoin	26	Alexandra Nieto	27	TAM	2:08.56 98	Barbara Frid	57
Nicola Clegg	24	Michael Neal	35	RICHARD BURNS		Beth Schreiner	58
Scott Marsic	23	Norman Schippert	36	KENNETH FROST		SAN DIEGO SWIM	2:40.47
Patric McBride	30	Kathy Beckovich	32	LAURA VAL		Betsy Jordan	62
IM	2:12.35	SPM	2:12.46	NANCY RIDOUT		Mike Freshley	58
Sandra Lehr	29	Kim Stott	40	IM	2:10.74	Bill Earley	63
David Ackermann	34	John Galloway	34	Nathan Leech	50	Jeanne Little	62
Brian Cunningham	27	Stuart Barton	31	Peter Andersen	56	WALNUT CREEK	2:41.85
K Sidiropoulou	23	Tricia Moses	40	C Stonesifer	47	Don Brown	66
UC IRVINE	2:12.71	BDM	2:13.19	Cynthia Jones	49	Ann Hirsch	68
Natalie Ferrell	27	Laurie Alioto	41	PNA	2:20.13	Midge Kraetzer	60
M Ahmadi-Kashani	27	Thomas Redig	38	Frank Warner	50	Tom Flickenger	52
Patrick Keenan	27	Patricia Miller	34	Kathrine Casey	51	TAM	2:42.59
Krystal Durfey	23	Andrew Graf	42	Sonny Garrett	55	Richard Burns	56
MOVY	2:13.25	INLAND MASTERS	2:13.49	Debbie Glassman	46	Kenneth Frost	55
Heather Schuerman	23	Sarah Osborne	37	SMMM	2:21.30	Nancy Ridout	57
Anthony Thompson	35	Alvaro Farnos	25	Danielle Ogier	47	Bea Heim	74
Mark Berry	26	Jamie Raab	29	Dale Finch	49	NCMS	2:45.18
Lisa Elsener	30	Daniel Feld	30	Donald Galine	54	S Robbins-Bonitz	66
OJAI-SANTA BARB	2:14.04	200 M. MEDLEY R MIXED 160+		Randy Brown	51	Sally Newell	62
Wenke Hansen	30	TTEX	2:01.22 98	SPM	2:23.62	Dick Webber	70
Scott Reed	28	SHARON WENCEL		Andrea Nauta	40	Jerry Clark	62
Liz Hawes	23	DAVID GUTHRIE		Peter Betzer	57	OREG	2:46.67
Tony Knott	30	BRUCE WENCEL		Gary Bastie	49	Arthur Welch	67
CRAWFISH AQUATI	2:15.72	S NEILSON-BELL		Jayne Lambke	60	Pamela Himstreet	56
Justin Poche	21	BDM	2:03.90	MINN	2:23.68	Sandi Rousseau	52
Alex Romero	33	Curt Lacount	41	S Lee-Sheridan	47	David Radcliff	65
Ann Hill	30	David Holland	41	Elizabeth Cutter	47	MOVY	2:48.96
Theresa Klein	28	Karen Morrison	41	Charles Nielsen	54	Nanette Bohl	70
MINN	2:16.10	Patty Redig	39	Lou Flynn	54	Betty Christian	78
Laura Palombi	20	WCM	2:04.76	NCMS	2:28.67	Daniel Fisher	48
John Stenroos	36	Lisa Ward	35	Jeannie Mitchell	53	Neil Salkind	52
Joseph Zimsen	30	Mal Jester	50	Milton Gee	62	MACO	2:51.81
Shannon Swanstrom	31	Kerry O'Brien	42	Beverly Amick	45	Lavelle Stoinoff	66
SHREVEPORT AQUA	2:16.57	Penny Leach	36	Jerry Clark	62	Susanne Schumann	62
Bill Cleveland	34	VMST	2:07.89	MINN	2:29.75	Jim Bigler	64
Todd Scherm	26	Lang Meem	45	Marc Anderson	50	Thomas Levak	61
Heidi Griffin	23	Gennard Lanzara	41	Jim Pelissier	55	200 M. MEDLEY R MIXED 280+	
Charlene Griffin	21	Beth Baker	38	Kathleen Danford	55	ARIZONA	2:46.45 99
200 M. MEDLEY R MIXED 120+		Wendy Weil	41	Kathleen Johnson	42	NANCY MACBETH	
GOLD	1:57.30 98	GAJA	2:08.79	LAKESIDE MASTER	2:31.20	MAX VON ISSER	
CRAIG CRAWFORD		Penny Noyes	45	William Tingley	49	RONALD JOHNSON	
SETH VAN NEERDEN		Igor Vazhenin	35	A Wright-Belknap	49	EDIE GRUENDER	
TRACIE MOLL		Mike Reid	38	John Nolan	51	ARIZ	2:46.45
JAMIE HERRINGTON		F Williamson	51	Carol Ferguson	68	Nancy Macbeth	70
IM	2:00.07	MINN	2:09.33	PCAT	2:31.76	Max Von Isser	80
James Ralph	26	Barbara Fewer	40	Jim Gibbs	58	Ronald Johnson	68
Robert McAdam	37	J Kochendorfer	39	William Crowley	60	Edie Gruender	71
Jennifer Ridge	31	Jeffrey Lukens	46	E Robinson	47	FMM	2:53.93
Diane Regan	38	Julie Benz	42	Lynn Silver	47	Regan Kenner	76
SPM	2:03.67	TTEX	2:09.36	WIS MASTERS	2:33.92	Aaron Kurtzman	70
Judy Tibma	43	Sharon Wencel	40	E Kosobucki	51	Joseph Kurtzman	73
Maud Orlando	37	Bruce Wencel	44	Candy Christenson	52	Jean Troy	72
William Specht	41	M Stinchcombe	42	John Luettgen	45	C177	3:14.73
Michael Halfast	34	Sally Maddox	40	Thomas Meehan	52	Roger Franks	72
WALNUT CREEK	2:03.81	ANCM	2:11.02	200 M. MEDLEY R MIXED 240+		Norman Garsoe	76
Kathl Harytnett	27	Michael Fell	38	N CAROLINA	2:28.04 97	Janet Moeller	65
Kevin Raats	20	Margot Pettijohn	53	JEANNIE MITCHELL		Jeanne Merryman	76
Caren McNamara	39	John Feinstein	44	SALLY NEWELL		WCM	3:15.27
Steve Stahl	34	Penny Bates	38	JOHN KORTHEUER		Jean Durston	85
PCAT	2:04.20	ARIZ	2:11.48	DICK WEBBER		Jae Howell	77
Tom Wolf	45	Monica Bailey	38	GOST	2:28.47	A Emory Haworth	63
J Richardson	20	Phil Whitten	56	Ann Guins	46	Don Davis	55
Sunny Smiley	29	Liz Hobbs	38	Karl Wiedemann	61	ARIZ	3:15.54
Andrew Edmonson	32	Dan Gall	39	Joseph Lamert	60	Daniel Gruender	70
SEMS	2:05.15	NEM	2:11.57	Marge Bowdon	76	William Bond	68
Judith Lallier	40	Tracy Grilli	42			Sally Bolar	60
Phillip Rand	23	Leslie Cooper	39			Margaret Nagle	83

# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

<p>MICH 3:18.65 Edith Glusac 81 Freddy Edwards 74 Charles Moss 71 Shirley Dacey 63</p> <p>OREG 3:19.43 Floyd Elliott 73 Margaret Wells 73 Andrew Holden 80 Pamela Himstreet 56</p> <p>SPM 3:27.56 Barbara Atwood 66 Abrasha Brainin 76 Florence Carr 74 Richard Avery 76</p> <p>MINN 3:29.21 C Edward Johnson 81 Raymond Hakomaki 79 Anice Flesh 63 Marilyn Lentz 67</p> <p>IM 3:32.72 Mildred Karger 70 Hannelore Snyder 69 Thomas Maine 74 Fred Lehman 69</p> <hr/> <p>200 M. MEDLEY R MIXED 320+</p> <p>SAN MATEO 3:57.45 94 JOE KAUFMAN HELEN ROUMASSET RAY TAFT AUDREY ETIENNE</p> <p>WALNUT CREEK 3:57.87 Sally Joy 82 Jean Durston 85 Bill Johnston 81 Fred Trask 72</p> <p>COAST MASTERS 4:09.42 Maxine Merlino 87 Maurine Kornfeld 78 Walter Pfeiffer 86 Woodrow Bowersock 86</p> <p>SAN MATEO MARL 5:47.77 Margot Lewisk 88 Robert Cunningham 72 Hilda Buel 85 Fred Taioli 78</p> <hr/> <p>400 M. FREE REL MIXED 76+</p> <p>OLYMPIC CLUB 4:04.97 95 BRAD BUDNEY MICHAEL COOLEY ELAINE WEIGAND ALICIA ROWELL NO RELAYS</p> <hr/> <p>400 M. FREE REL MIXED 100+</p> <p>WALNUT CREEK 4:07.44 93 JEFF RODGERS SUZANNE HEIM M. GHIGGERFI TOM ORTEGA</p> <p>UC IRVINE 4:20.86 Patrick Keenan 27 M Ahmadi-Kashani 27 Natalie Ferrell 27 Krystal Durfey 23</p> <p>INLAND MASTERS 4:27.61 M Danapilis 27 Christina Deeter 25 Evan Evansky 30 Alvaro Farnos 25</p> <hr/> <p>400 M. FREE REL MIXED 120+</p>	<p>WALNUT CREEK 4:01.94 91 CAREN LEWIS PAULA ROEMER TOM FRISTOE GREG REMMERT</p> <p>WALNUT CREEK 4:15.95 Kathleen Hartnett 27 Carey McNamara 39 Kerry O'Brien 42 Steve Stahl 34</p> <p>MENLO PARK 4:16.78 Dave Kane 29 Lisa Sheeper 35 Jane Burks 42 Ed Owen 28</p> <p>ROLLING HILLS 4:23.60 Debbie Schultz 31 Diane Ursin 36 Eric Vanbueur 45 Bill Adkison 44</p> <p>MENLO PARK 4:25.12 Dariusz Packzusi 33 Juliet Applewhite 37 Frances Renneau 40 Pete Day 20</p> <p>INLAND MASTERS 4:33.06 Jamie Raab 29 Kinney Hardin 37 Karen Feld 32 Mike Murphy 39</p> <p>EMBARCADERO Y 4:36.75 Eric Hilger 32 Annette Chinn 38 Kristie Rolke 29 David Easr 25</p> <p>U SAN FRANCISCO 4:48.71 Marc Clomb 37 Robert Kim 39 Alicia St John 29 S Von Winckler 39</p> <p>SPORT FREMONT 4:55.52 R Weisenberger 40 Mark Carter 37 Claudia Holt 37 Steve Billmire 37</p> <p>OREG 4:58.51 Joy Ward 57 Jeff Kaelon 33 Janet Hailey 31 Eric Askerman 32</p> <p>MENLO PARK 5:17.23 H Martin Maier 43 Carly Fisher 25 Rick Peterson 52 Ken Wilner 35</p> <hr/> <p>400 M. FREE REL MIXED 160+</p> <p>TEAM ORLANDO 4:02.04 97 ROSEMARY SEAMAN C MILTENBERGER CATHY SHONKWILER L MEISENHEIMER</p> <p>WALNUT CREEK 4:34.03 Mindy Hamway 40 Jennifer Barry 37 Mal Jester 50 Gene Hart 47</p> <p>GOLD 4:39.79 Rorie Anderson 48 John Andrews 41 Anne Laborwit 49 Craig Crawford 29</p> <p>GAJA 4:41.77 Scott Arnold 50 William Lotz 50 Lisa Watson 45 Kelly Rea 26</p>	<p>DALAND SWIM SCH 4:52.90 Jeff Moxie 40 Heidi Christensen 40 Cynthia Wyels 35 J Van Scoyk 53</p> <p>ROLLING HILLS 4:54.99 Phil Swig 42 Chanjs Sayne 38 Cathy Dial 39 Rob Pine 47</p> <p>MENLO PARK 5:05.38 Bill Kirsh 45 Rebecca Pinto 43 Judy Strauss 45 Martin Michael 55</p> <p>LAKESIDE MASTER 5:22.85 William Tingley 49 Kevin Scarborough 44 Bobbi Sipes 32 Gail Kamenish 38</p> <p>U SAN FRANCISCO 5:43.56 Sandy Blende 49 Brayn Andrews 48 Chelly Bon Durant 42 Brian Skuse 43</p> <p>CRESCENT HILL M 6:07.05 Anne Huntington 51 Linda Eldridge 39 George Dodge 54 Larry Hunt 52</p> <p>PNA 6:15.35 Tell Asner 45 Lynn Hovde 46 Nancy Speser 42 Richard Wille 42</p> <hr/> <p>400 M. FREE REL MIXED 200+</p> <p>TEAM TEXAS 4:29.32 97 S NEILSEN-BELL KARLENE WISE CHUCK BALDWIN KEITH BELL</p> <p>SAN MATEO MARL 4:39.94 Randy Brown 51 Danielle Ogier 47 Dale Finch 49 Don Galine 54</p> <p>GREAT OHIO SWIM 4:54.03 Ann Guins 46 Marcia Haver 44 Robert Burns 47 Sid Hall 64</p> <p>GAJA 5:14.26 Lisa Siggers 39 Betty Veater 53 Fred Marland 66 Mark Veater 43</p> <p>MENLO PARK 5:14.71 Dick Bennett 69 Ann Kay 65 Katherine Bass 48 Jeff Strnad 47</p> <p>OREG 5:22.22 Robert Smith 56 Jackie Quattro 52 Douglas Prentice 51 Robin Young 44</p> <p>WIS MASTERS 5:36.58 E Kosobucki 51 Candy Christenson 52 Thomas Meehan 52 John Luetngen 45</p> <p>U SAN FRANCISCO 5:52.38 Bill Grohe 66 Erin Pashelinsky 52 Susan Allen 55 Joe Illick 63</p>	<p>U SAN FRANCISCO 5:54.76 Elmer Tosta 51 Kate Erlix 48 Martha Campbell 51 Jeanel O'Conner 51</p> <hr/> <p>400 M. FREE REL MIXED 240+</p> <p>SAN DIEGO 5:09.00 97 DONALD BAKER KENNETH KIMBALL LYNNE LUND JACKIE MARR</p> <p>SAN DIEGO SWIM 5:26.07 Mike Freshley 58 Betsy Jordan 62 Jeanne Little 62 Bill Earley 63</p> <p>U SAN FRANCISCO 6:10.95 Tanako Hagiwara 61 Robert Fewster 61 Carol Requadt 62 Daniel Osborne 65</p> <p>WALNUT CREEK 6:16.39 Joyce Hayworth 60 Stan Pedder 64 Midge Kraetzer 60 Stan Morner 60</p> <p>SAN MATEO MARL 6:58.58 Roy Taft 52 Ray Taft 80 Lynne Taft 57 Zada Taft 80</p> <p>SAN MATEO MARL 6:59.56 Carolyn Carow 20 Don Stupfel 71 Gloria Stupfel 73 Fred Taioli 78</p> <hr/> <p>400 M. FREE REL MIXED 280+</p> <p>SAN MATEO 6:08.62 89 AUDREY ETIENNE RAY TAFT ZADA TAFT FRED TAIOLI</p> <p>WALNUT CREEK 6:18.95 Betty McMillan 70 Fred Trask 72 Anita Hazen 72 Don Brown 66</p> <p>WALNUT CREEK 7:22.73 Dixie Germulus 72 Jae Howell 77 Bill Peckham 70 Frank Nieman 67</p> <p>WIS MASTERS 7:30.48 Fran Zeumer 80 Betty Kendall 79 Perry Rockwell 75 Stephen Justinger 47</p> <hr/> <p>400 M. FREE REL MIXED 320+</p> <p>SAN MATEO 7:40.34 95 JOE KAUFMAN ZADA TAFT RAY TAFT AUDREY ETIENNE</p> <p>COAST MASTERS 8:22.45 Maxine Merlino 87 Maurine Kornfeld 78 Louis Giberson 79 Woodrow Bowersock 86</p> <hr/> <p>400 M. MEDLEY R MIXED 76+</p> <p>UNIV SAN FRAN 4:36.72 91</p>
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# 1999 LONG-COURSE METERS - TOP-TEN RELAYS

<p>CYNTHIA HINSHAW JOHN DEARBORN DEAN PANZICA JANET HAUER NO RELAYS</p> <p>400 M. MEDLEY R MIXED 100+</p> <p>WALNUT CREEK 4:36.14 90 PAM BOSCOVICH JON JAKUES KERRY O'BRIEN PAULA ROEMER</p> <p>UC IRVINE 5:16.04 Natalie Ferrell 27 M Ahmadi-Kashani 27 Patrick Keenan 27 Krystal Durfey 23</p> <p>400 M. MEDLEY R MIXED 120+</p> <p>HEARTLAND 4:35.74 93 VICKY DAVIDSON PATTY STARKS RON SCHAFEE LEE MENCH</p> <p>GARDEN STATE MA 5:12.19 Christine Lubrano 24 J Tedeschi 39 Kc Nichols 40 Alan Sawyer 43</p> <p>OREG 5:58.94 Joy Ward 57 Eric Askerman 32 Jeff Kaelon 33 Erin Holland 32</p> <p>GAJA 6:21.18 Jeff Jones 37 Betty Veater 53 Carlton DeVooght 27 Lisa Siggers 39</p> <p>400 M. MEDLEY R MIXED 160+</p> <p>TEAM ORLANDO 4:41.21 97 CATHY SHONKWILER C MILTENBERGER ROSEMARY SEAMAN L MEISENHEIMER</p> <p>WEST HOLLYWOOD 5:44.42 Sean Early 33 Jessica Seaton 46 Dan Evans 43 Lindy Kleine 43</p> <p>400 M. MEDLEY R MIXED 200+</p> <p>TAMALPAIS 4:51.55 98 RICH BURNS PHIL JONCKHEER LAURA VAL NANCY RIDOUT</p> <p>OREG 5:23.38 Robert Smith 56 Jackie Quattro 52 Christophe Roth 40 Joy Ward 57</p> <p>GREAT OHIO SWIM 5:40.89 Ann Guins 46 Sid Hall 64 Dale Thompson 49 Marcia Haver 44</p> <p>LAKESIDE MASTER 6:08.69 William Tingley 49 Pamela Haeberlin 36 John Nolan 51 Maryann Haragan 66</p>	<p>400 M. MEDLEY R MIXED 240+</p> <p>GOLD COAST 6:02.09 97 ALAN RAPPERPORT DEBBIE CAVANAUGH JUNE KRAUSER DONALD SONIA</p> <p>MICHIGAN 6:24.96 Beverly Myers 64 Donald Kroeger 56 Frank Thompson 48 Lois Nochman 75</p> <p>WIS MASTERS 7:13.48 E Kosobucki 51 Candy Christenson 52 Alex MacGillis 71 Robert Kueny 68</p> <p>400 M. MEDLEY R MIXED 280+</p> <p>ST.PETE 7:16.12 95 PAUL HUTINGER ALAN MALONEY FLORENCE CARR KAY SCHIMPF NO RELAYS</p> <p>400 M. MEDLEY R MIXED 320+</p> <p>D C MASTERS 8:52.61 93 ANNE WALKER KELLEY LEMMON ELSA MATTILA BERT KASSELL</p> <p>COAST MASTERS 9:31.73 Maurine Kornfeld 78 Maxine Merlino 87 Walter Pfeiffer 86 Woodrow Bowersock 86</p> <p>800 M. FREE REL MIXED 76+</p> <p>DAVIS AQUATIC 9:13.51 94 DARREN MOUNTS CHRISTINE SCHULTZ ERICA WOODS BRIAN NABETA NO RELAYS</p> <p>800 M. FREE REL MIXED 100+</p> <p>SANTA CLARA 8:45.64 95 ANNE WATKINS LISA HAZEN MIKE MOORE GREG SCHAFFER NO RELAYS</p> <p>800 M. FREE REL MIXED 120+</p> <p>TEAM ORLANDO 9:03.87 97 ROSEMARY SEAMAN CATHY SHONKWILER RICK SCRAY L MEISENHEIMER</p> <p>GOLD 10:07.55 Laurence Rubel 39 Anne Laborwit 49 Andrea Woodburn 36 Craig Crawford 29</p> <p>SAN DIEGO SWIM 10:12.75 Jeni Buys 30 Eric Neilsen 34 Nancy North 31 Jon M Manifold 35</p> <p>LAKESIDE MASTER 10:26.76 Jim Luebbe 32 Michael Tingley 21</p>	<p>Pamela Haeberlin 36 Lucy Shearn 31</p> <p>MICH 10:46.58 Thomas Schardt 32 Eric Nordlund 36 Andrea Funk 36 Lynnette Cook 24</p> <p>VENICE BEACH CI 12:00.52 Carole Shigaki 44 Emine Sarikaya 26 John Kocker 45 Mark Toyooka 33</p> <p>INLAND MASTERS 12:04.15 Alvaro Farnos 25 Stephanie Avant 50 Daniel Feld 30 Pat Maglasang 48</p> <p>800 M. FREE REL MIXED 160+</p> <p>TEAM TEXAS 9:07.41 97 LARRY WOOD S NEILSON-BELL KARLENE WISE KEITH BELL</p> <p>LAKESIDE MASTER 9:46.99 Melinda Schmitt 41 Pam Martin 42 Dale Mercker 32 William Tingley 49</p> <p>MICH 11:45.50 Karen Rosinski 37 Paul Wright 45 Amy Miner Ross 45 Gaard Arneson 51</p> <p>LAKESIDE MASTER 13:09.16 Amy Peterson 42 Lisa Stearns 42 Michael Graves 44 Mark Gleason 38</p> <p>800 M. FREE REL MIXED 200+</p> <p>SAN DIEGO 10:30.93 97 BARBARA DUNBAR BILL EARLEY BETSY JORDAN JAMES BOSWELL</p> <p>OREG 10:51.02 Pamela Himstreet 56 Barbara Harris 39 Robert Bruce 51 Tom Landis 57</p> <p>MICH 12:22.71 Frank Thompson 48 Beverly Myers 64 Donald Kroeger 56 Joyce Kowalski 57</p> <p>LAKESIDE MASTER 12:53.57 Linda Hubbuch 54 A Wright-Belknap 49 Glenn Hubbuch 54 Rick Blondell 47</p> <p>OJAI-SANTA BARB 16:27.36 Donna Lechman 41 Jeanne Munesato 50 John Johnston 57 Harry Delatre 53</p> <p>800 M. FREE REL MIXED 240+</p> <p>GOLD COAST 11:35.20 94 ANNE MCGUIRE JUNE KRAUSER HERB KERN ERNIE LESKOVITZ</p> <p>MICHIGAN 12:26.93 Donald Kroeger 56</p>
		<p>Beverly Myers 64 Lois Nochman 75 Frank Thompson 48</p> <p>WIS MASTERS 14:48.81 Ingrid Stine 60 Judy Davis 64 Tom Michelson 68 Mike Daley 49</p> <p>800 M. FREE REL MIXED 280+</p> <p>ST.PETE 14:06.13 95 PAUL HUTINGER ALAN MALONEY FLORENCE CARR KAY SCHIMPF NO RELAYS</p> <p>800 M. FREE REL MIXED 320+</p> <p>SAN MATEO 17:09.50 94 AUDREY ETIENNE JOSEPH KAUFMAN HELEN ROUMASSET RAYMOND TAFT</p> <p>WIS MASTERS 17:22.52 Lynn Surles 82 Herbert Howe 87 Betty Kendall 79 Betty Lorenzi 72</p>



# ERRATA FOR 1998/1999 TOP-TEN SHORT-COURSE YARDS

<p><b>MEN 65-69</b> =====</p> <p><b>500 YD FREESTYLE</b></p> <p>5:54.98 Graham Johnston 68 6:21.81 Dren Geer 65 6:26.76 Buddy Belshe 65 6:34.58 Dave Anderson 67 6:36.87 Wayne Leengran 68 6:41.04 John Kalas 65 6:44.68 John Lenard 67 6:50.66 Bill King 65 6:51.71 Thomas Taylor 68 6:56.35 Stephen Mullins 66</p> <p><b>MEN 70-74</b> =====</p> <p><b>100 YD FREESTYLE</b></p> <p>1:01.50 Peter Van Dijk 70 1:01.56 Frank Pienne 74 1:03.80 William Phillips 71 1:07.41 Robert Blake 74 1:08.08 George Erswell 71 1:09.83 Robert MacDonald 70 1:09.87 Ed Kerswill 72 1:10.00 William Dolan 70 1:10.08 William Irwin 70 1:11.08 Justin Diehl 70</p> <p><b>1650 YD FREESTYLE</b></p> <p>22:43.13 Roger Franks 72 22:52.23 William Phillips 71 23:27.91 Ed Kerswill 73 23:56.04 Robert Blake 74 24:04.12 Harvey W Prosser 70 25:40.89 Robert Heritier 70 26:02.41 Lee Arth 74 26:16.67 W Morgan Byers 71 27:50.91 Elmer Luke 72 27:57.44 Jordan Wolle 70</p> <p><b>MEN 80-84</b> =====</p> <p><b>1000 YD FREESTYLE</b></p> <p>16:34.08 Aldo V Da Rosa 81 16:54.14 Dick Guido 81 18:34.51 John Merrill 82 19:13.58 Roy Morse 82 19:45.96 John Woods 81 20:46.52 Jim S Triolo 84 21:00.13 Harry Class 83 21:34.83 Gene Crossett 84 22:42.47 Robert E Freeman 83 48:07.76 Henry Shostchuk 81</p> <p><b>1650 YD FREESTYLE</b></p> <p>27:22.39 Aldo V Da Rosa 81 29:30.14 Robert Johnston 82 30:06.73 Jim Eubank 82 30:18.27 Jim Pendergrass 80 30:47.06 David Mulliken 80 32:37.37 John Woods 81 48:07.76 Henry Shostchuk 81</p> <p><b>WOMEN'S RELAYS</b> =====</p> <p><b>200 YD FREE REL WOMEN 55+</b> -----</p> <p><b>DC MASTERS 2:05.80</b></p> <p>Barbara Frid 57 Jayne Bruner 64 Joann Leilich 60 Beth Schreiner 58</p> <p><b>SDSM 2:07.76</b></p> <p>Betsy Jordan 62 Jeanne Little 62 Lynne Lund 58 Jackie Marr 55</p> <p><b>OREG 2:12.11</b></p> <p>Joy Ward 56 Peggy S Whiter 55</p>	<p>Pamela Himstreet 55 Sue Calnek-Morris 56</p> <p><b>TAM 2:12.67</b></p> <p>Charlotte Jenkins 60 Nancy J Ridout 57 Glenda Carroll 55 Mary Gidley 62</p> <p><b>SPM 2:24.82</b></p> <p>Jacquelyn Piper 62 Sandy Steer 59 Elaine Bromwich 56 Jayne Lambke 59</p> <p><b>ARIZ 2:32.50</b></p> <p>Edie Gruender 70 Carol Taylor 70 Helen Bayly 62 Nancy Mac Beth 70</p> <p><b>DAM 2:38.32</b></p> <p>Susan Munn 60 Roswita Norris 56 Mary Horton 56 Barbara Paulson 55</p> <p><b>WCM 2:41.26</b></p> <p>Midge Kraetzer 60 Joyce Haworth 61 Sally Morner 62 Barbara Jordan 61</p> <p><b>IM 2:47.52</b></p> <p>Mary Kurz 56 Henrietta Berning 65 Ann Stevens 65 Nancy Murphy 56</p> <p><b>WIS MASTERS 2:51.60</b></p> <p>Ingrid Stine 60 Judy Davis 63 Betty Lorenzi 71 Doris Klitzke 63</p> <p><b>400 YD FREE REL WOMEN 25+</b> -----</p> <p><b>WALNUT CREEK 3:48.99</b></p> <p>Anne Oberg 27 Michelle Ghiggeri 30 Karen Duggan 28 Kathleen Harnet 27</p> <p><b>U SAN FRANCISCO 3:50.26</b></p> <p>Pamela Franklin 29 Monique Petrou 29 Dianne Gleason 33 Kendra Thaye 26</p> <p><b>EMP 3:58.60</b></p> <p>Janet Harris 33 Julie Walsh 32 Stephanie Dorsey 28 Kristin Gary 31</p> <p><b>COLONIALS 1776 4:03.89</b></p> <p>Laurie Hug 34 Dawn Carlson 26 K Jarecki 33 Jerri Freimuth 34</p> <p><b>DC MASTERS 4:04.92</b></p> <p>Teresa Allen 26 Amy Demasi 36 Cheryl Bruner 39 Rose Rice 25</p> <p><b>IM 4:08.98</b></p> <p>Becky Heller 34 Diane Marolda 28 Sandra Lehr 28 Solvei Sullivan 28</p> <p><b>GREAT COLUMBUS 4:09.52</b></p> <p>Robin Klestinec 37 Caren MacLean 28 Angie Shook 28 Beth Birnbrich 34</p> <p><b>SANTA CRUZ M 4:09.76</b></p> <p>Kathryn Vatsula 40 Sue Brause 42</p>	<p>Erin Gustafson 29 Maureen Chalmer 33</p> <p><b>U SAN FRANCISCO 4:12.11</b></p> <p>Maya Nasution 25 Karen Roberson 27 Nancy McIlvaine 31 Julia Hey 29</p> <p><b>NORTH CAROLINA 4:12.12</b></p> <p>Sian Hunter 32 Pamela Lindroos 33 Patricia Hogan 29 Angelique Geiss 34</p> <p><b>400 YD FREE REL WOMEN 65+</b> -----</p> <p><b>WIS MASTERS 7:06.97</b></p> <p>Janet Moldenhauer 68 Fran Zeumer 79 Betty Lorenzi 71 S Hasselbacher 72</p> <p><b>400 YD MEDLEY R WOMEN 25+</b> -----</p> <p><b>IM 4:02.90</b></p> <p>Jie X Li 26 Kersten Annegers 30 Jennifer L Ridge 30 M David-Adams 29</p> <p><b>NEM 4:11.82</b></p> <p>Corinne Murphy 25 Liz Boehm 25 Stephanie Wriede 29 Melissa Braisted 26</p> <p><b>WALNUT CREEK 4:26.66</b></p> <p>Kathleen Hartnett 27 Karen Dugan 28 Lisa Ward 34 B J Henry 35</p> <p><b>COLONIALS 1776 4:35.86</b></p> <p>Vibeke Swanson 37 Jerri Freimuth 34 K Jarecki 33 S Rothenberger 35</p> <p><b>NEM 4:42.31</b></p> <p>Sharon Theriot 33 Linda Carstens 46 Melissa Patterson 40 Kirsten Elstner 34</p> <p><b>VIRGINIA MASTER 4:43.66</b></p> <p>R Schanzer 56 Victoria Wells 39 Alice Phillips 33 Sheri Vaughn 36</p> <p><b>IM 4:56.11</b></p> <p>Sandra Lehr 28 Cindy Schaun 31 Diane Marolda 28 Sue Epler 33</p> <p><b>LA MESA MASTERS 4:59.00</b></p> <p>Pamela Rabin 28 Kelly Shipley 31 Joanne Steinauer 36 Wendy Alcock 28</p> <p><b>STRAWBERRY CANY 5:00.95</b></p> <p>Lisa Goldman 31 Laura Stivers 33 Suzanne Baker 25 Alison Howard 32</p> <p><b>EL CERRITO 5:07.52</b></p> <p>Juliet Cox 31 Ellie Johnson 28 Meredith Anderson 35 Noadiah Eckman 28</p> <p style="text-align: center;"><b>MEN'S RELAYS</b> =====</p> <p><b>400 YD MEDLEY R MEN 19+</b></p>	<p>-----</p> <p><b>GERMANTOWN MAST 4:00.86</b></p> <p>William Bare 24 Steve Phillips 22 Daniel Blitz 32 John Folk 39</p> <p><b>GRIN 4:07.42</b></p> <p>Josh Skube 23 Bill Hauschild 30 Dan Bachrach 26 Jonathan Purvis 22</p> <p><b>NEM 4:08.15</b></p> <p>Joe Wotton 39 S Vankuilenburg 34 Scott Bendig 24 Chris Spinney 39</p> <p><b>EL CERRITO 4:19.16</b></p> <p>Raymond Lam 20 Stephen Dunkle 36 Tommy Ortega 31 Clint White 36</p> <p><b>IM 4:28.06</b></p> <p>Doug Hano 32 Gary Griswold 31 Patrick Meenan 23 Brian Mulhern 24</p> <p><b>400 YD MEDLEY R MEN 25+</b> -----</p> <p><b>MONTG ANCIENT M 3:30.45</b></p> <p>J Clay Britt 38 Wally Dicks 36 Jeffrey Roddin 29 Timothy Boyd 28</p> <p><b>WALNUT CREEK 3:39.71</b></p> <p>Joe Madigan 25 Dave Stoddard 33 Brian Stahl 31 Steve Stahl 34</p> <p><b>NEM 3:57.04</b></p> <p>Tim Liesching 32 Henry Baker 31 Stuart Cromarty 34 Mark Goldman 27</p> <p><b>IM 4:00.33</b></p> <p>Scott Runkle 31 David Ackerman 33 Brian Cunningham 26 Tom Long 30</p> <p><b>COLONIALS 1776 4:12.54</b></p> <p>John Pierson 28 Steve Kelly 41 Andrew Ellis 30 D Whitehead 33</p> <p><b>MONTG ANCIENT M 4:13.27</b></p> <p>Thomas Denes 41 G Schaefer 25 Nate Gordon 29 David Harmon 49</p> <p><b>GRIN 4:15.34</b></p> <p>Grant Sindelar 26 Jeff Hill 25 Ward Bracken 25 Jay Church 28</p> <p><b>STRAWBERRY CANY 4:20.45</b></p> <p>Jason Rubio 27 Jeremy Southgate 30 Rick Borey 28 Alexander Ziegler 29</p> <p><b>DELAWARE 4:25.16</b></p> <p>C Colburn 27 S Wasserman 29 Brad Killina 30 Bill Wolfe 38</p> <p><b>WIS MASTERS 4:25.91</b></p> <p>Joseph Mueller 33 Jerry Lourigan 33 Chris Beyer 34</p>
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# ERRATA FOR 1998/1999 TOP-TEN SHORT-COURSE YARDS

Travis Lukens	27	Alex Fuller	24
800 YD FREE REL	MEN 45+	NEM	4:01.36
-----	-----	Erin Powers	24
CRESCENT HILL M	9:11.15	Rebeca Kupcinkas	25
Jon Shatid	51	William Riddell	30
Norm Scott	54	Mark Murphy	33
John Graham	53	NEM	4:09.40
Tom Mester	47	Elizabeth Zehr	24
MARYLAND MASTER	9:13.79	Chris Phalen	34
Chris Ostrom	53	Diana Hall	28
R Phillips	53	Peter Russo	34
Jack Iliff	54	WACO FAMILY Y	4:43.92
Bill Conroy	55	Matt Bierwirth	34
WIS MASTERS	9:20.61	Sean McCarthy	39
John Couper	52	Michele Pettijohn	24
Stephen Justinger	46	Julie Hicks	19
T G Meehan	52	MARYLAND MASTER	4:47.39
Art Luetke	52	Rob Dobry	44
IM	9:28.90	V Weichert	32
Phil Dodson	45	D Chambers	23
John Fitzgerald	50	C McFadden	29
Andy Zoltners	53	ART	4:51.79
Peter Jackson	58	Bobby Gonzales	35
NEM	9:33.16	Monique Gainer	34
Albert Valliere	52	Melissa Lykins	24
David Prior	54	Lee Dancy	42
Homer Lane	49	WACO FAMILY Y	4:59.99
Frank Mc Quiggan	50	Matt McKinney	25
LAKESIDE MASTER	9:35.12	Jan Miller	47
John Nolan	50	Sarah Slattery	19
Thomas Finnegan	52	Robert Kelsey	62
Charles Carter	46		
Glenn Hubbuch	52		
W KY GREEN GATO	10:18.73		
R Collins	55		
Jeff Stevens	45		
Mark Rogers	52		
Lynn Olson	51		
GREAT COLUMBUS	10:29.05		
Michael Cohee	50		
Tim Konfal	51		
Robert Joyce	50		
Larry Ringer	51		
LAKESIDE MASTER	10:42.03		
Frank Diebold	50		
Randall Dufour	52		
Woody Turrentine	50		
Rick Blondell	46		
NEM	11:29.90		
James Dorsey	54		
Peter Ottmar	51		
Douglas Shearer	58		
Mark Formica	51		

## MIXED RELAYS

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400 YD FREE REL	MIXED	19+
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NEM	3:42.27	
Jon Caswell	22	
Trina Young	22	
Neville Barry	23	
Matthew Gilson	31	
GERMANTOWN MAST	3:49.79	
Eunice Ching	28	
John Folk	39	
Jennifer Stowe	24	
William Bare	24	
SOUTH WEST MAST	3:56.42	
Lauralyn Beckley	23	
David Johnson	29	
Sarah Guthrie	24	
David Strybel	44	
CY-FAIR CY-CLON	4:00.84	
M Rinehold-Armstr	23	
Robert Shaw	51	
Nicky Delbridge	22	

# FINA MASTERS WORLD RECORDS LONG-COURSE METERS

(as of 11-1-99)

***** 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	PASCALE VERBAUWEN	BEL	06-25-96	1:04.80
2:03.85	08-04-95	USA	BOBBY PATTEN	200	M. FLY	K PIPES-NEILSEN	USA	08-11-96	2:20.12
				100	M. I.M.				
2:09.69	08-18-91	USA	DAVID LUNDBURG	200	M. I.M.	KARLYN PIPES	USA	05-26-96	2:25.68
4:40.22	07-09-94	USA	SEAN MURPHY	400	M. I.M.	HIDEKA KOSHIMIZU	JPN	10-22-95	5:05.05
***** M E N *****			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	USA	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 COOM	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)

***** RELAY 200 M. FREE - WOMEN *****	***** RELAY 200 M. MEDLEY - WOMEN *****
100-119 HOLMES-USA 08-28-88 1:53.20 MARY HOLMES SUSAN HALFACRE BETH MAUER TISH BUCHER	100-119 HOLMES - USA 08-28-88 2:06.67 BETH MAUER DEB WALKER TISH BUCHER MARY HOLMES
120-159 LONE STAR-USA 08-24-87 1:53.05 MONICA BURK BRIGITTE HEUER L. MORRISON-CASEY JACKI HIRSTY	120-159 GOLD-USA 08-23-98 2:04.19 MARY GARDNER SUSIE GEYER TRACIE MOLL JAMIE HERRINGTON
160-199 SAN DIEGO-USA 07-18-99 1:57.34 BETH KNIGHT CAROLINE KRATTLI BARBARA DUNBAR K PIPES-NEILSEN	160-199 SAN DIEGO-USA 07-18-99 2:12.15 CAROLINE KRATTLI K PIPES-NEILSEN BARBARA DUNBAR BETH KNIGHT
200-239 ILLINOIS-USA 08-23-99 2:08.35 C STONESIFER CATHERINE QUILL IRENE DAVID CYNTHIA JONES	200-239 SAN DIEGO-USA 05-31-98 2:23.07 BETSY JORDAN CAROLINE KRATTLI BARBARA DUNBAR JACKIE MARR
240-279 DC MASTERS-USA 08-23-98 2:18.70 BARBARA FRID JOANN LEILICH BARBARA ZAREMSKI JAYNE BRUNER	240-279 DC MASTERS-USA 08-23-98 2:37.68 BARBARA FRID JOANN LEILICH JAYNE BRUNER BARBARA ZAREMSKI
280-319 NEW ENGLAND-USA 08-11-96 2:38.52 CLARA WLAKER BILLIE BURRILL PETEY SMITH DIANE REED	280-319 KAWASAKI-JPN 07-20-98 3:19.17 MIDORI KINJO AKIKO HATTORI KIYOKO KOZU MIEKO KAMOSHITA
320-359 WALNUT CRK-USA 08-13-98 3:49.73 SALLY JOY JAE HOWELL JEAN DURSTON MARY JANE REEVE	320-359 WALNUT CRK-USA 08-10-98 4:19.11 SALLY JOY JAE HOWELL 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 JANNE VIRTANEN ARI JAAKKOLA JAANE VIRTANEN TOMMY RUNDGREN	100-119 POWERS-AUS 04-07-90 1:49.84 BRAD COOPER NEIL GYNTHNER ANKER BRODERSEN ANGUS WADDELL
120-159 LONE STAR-USA 07-16-86 1:37.43 DAVID HAGUE JAMES MONTGOMERY TRIP HEDRICK BUCK SMITH	120-159 RED FISH-SUI 07-09-94 1:48.75 PATRICK FERLAND ETIENNE DAGON THEOPHILE DAVID STEFAN VOLERY
160-199 HOLMES - USA 08-11-90 1:39.27 JAMES LILLEY C. MILTENBERGER RICHARD ABRAHAMS TIMOTHY GARTON	160-199 BADGER/DOLP-USA 08-23-99 1:50.88 CURT LACOUNT DAVID HOLLAND THOMAS REDIG JAMES SORENSEN
200-239 OLYMPIC CLB-USA 06-29-97 1:45.19 STEVE CLARK ROBERT STRAND TIM BIRNIE JAMES ELDER	200-239 OLYMPIC CLB-USA 07-09-94 1:58.50 TIM BIRNIE ROBERT STRAND RICHARD BASSI JAMES ELDER
240-279 OLYMPIC CLUB 06-29-97 1:54.45 RICHARD BASSI JAMES KRUEGER BILL VAN HORN PHILLIP CHAPMAN	240-279 BUDAPEST-HUN 08-28-99 2:14.31 JOZSEF CSIKANY BELA FABIAN LASZLO CSABA FERENC LATIN
280-319 SHUEI-JPN 09-15-92 2:10.18 SHUICHI MURAYAMA JUZO TSUBOTA ISAMU TAMURA KEIJIRO NAKAMURA	280-319 MAVERICK - USA 08-18-97 2:33.50 PAUL HUTINGER ROBERT MACDONALD JOSEPH KURTZMAN ALAN MALONEY
320-359 JUEI CLUB-JPN 07-20-99 2:34.38 KATSUZO SHIRAYAMA ISAMU TAMURA SETSUO FUKUHARA KISABURO WADA	320-359 OREGON-USA 07-11-99 3:05.43 EARL WALTER GERALD HUESTIS ANDREW HOLDEN ALLAN DELAY

***** RELAY 200 M. FREE - MIXED *****	***** RELAY 200 M. MEDLEY - MIXED *****
100-119 MICHIGAN-USA 08-25-96 1:44.84 DYNE BURRILL SUSIE DEVLIN TODD MERCER MICHAEL GREEN	100-119 HOLMES - USA 08-28-88 1:56.58 BETH MAUER BRUCE HOWELL SAM SEIPLE MARY HOLMES
120-159 GOLD - USA 08-23-98 1:42.65 TODD PACE TRACIE MOLL JAMIE HERRINGTON KURT WIENANTS	120-159 GOLD-USA 08-23-98 1:57.30 CRAIG CRAWFORD SETH VAN NEERDEN TRACIE MOLL JAMIE HERRINGTON
160-199 ROCKY MT.-USA 08-23-98 1:45.83 KATHY GARNIER LAUREEN WELTING RICHARD ABRAHAMS JAMES LILLEY	160-199 TTEX-USA 08-23-98 2:01.22 SHARON WENCEL DAVID GUTHRIE BRUCE WENCEL S NEILSON-BELL
200-239 LOS ALTOS - USA 07-09-94 1:55.50 EDWARD CAZALET LAURA VAL ARLENE PROEBSTING ROBERT PROEBSTING	200-239 TAM - USA 08-23-98 2:08.56 RICHARD BURNS KENNETH FROST LAURA VAL NANCY RIDOUT
240-279 SAN DIEGO-USA 06-29-97 2:07.26 DONALD BAKER JEANNE LITTLE JACKIE MARR BILL EARLEY	240-279 OLYMPIC CLUB 06-29-97 2:27.14 MARGERY MEYER DANIELLE OGIER STEVE CLARK PHILLIP CHAPMAN
280-319 SOLK HELLAS-SWE 06-23-98 2:27.21 BRITT GRILLI NILS FERM PETER BERGEGREN KERSTIN GJORES	280-319 SOLK HELLAS-SWE - -98 2:53.27 NILS FERM BRITT GRILLI PETER BERGEGREN KERSTIN GJORES
320-359 DC MASTERS-USA 08-01-93 3:03.15 NANCY CLARK ANNE WALKER KELLEY LEMMON DAVID MCAFFEE	320-359 NISHINOMIYA-JPN 07-20-99 3:31.54 HIDEKO HANADA HIROMU YOSHIMOTO TAKESHI YASUKAWA HATSUHO SUGAYA

# FINA MASTERS WORLD RECORDS SHORT-COURSE METERS

(as of 11-1-99)

***** M E N *****				25-29	***** W O M E N *****			
22.48	12-04-93	USA	ROBERT PEEL	50 M. FREE	HAGEMAN/SCHUBERT	U/G	11- -97	26.63
49.91	12-10-95	USA	BJORN ZIKARSKY	100 M. FREE	SHEILA TAORMINA	USA	03-31-96	56.30
1:48.81	12-10-95	USA	JOHN KEPPELER	200 M. FREE	SHEILA TAORMINA	USA	03-31-96	1:59.78
3:58.23	12-14-97	USA	ALEX KOSTICH	400 M. FREE	SHEILA TAORMINA	USA	03-31-96	4:24.18
8:14.75	12-14-97	USA	ALEX KOSTICH	800 M. FREE	SHEILA TAORMINA	USA	03-31-96	8:51.18
15:41.81	12-14-97	USA	ALEX KOSTICH	1500 M. FREE	SHEILA TAORMINA	USA	03-31-96	16:36.07
25.43	10-16-94	GBR	MARTIN HARRIS	50 M. BACK	GISELE PEREIRA	BRA	09-05-98	30.32
54.82	11-12-94	GBR	MARTIN HARRIS	100 M. BACK	BERIT PUGGAARD	DEN	11-01-97	1:04.50
2:01.78	10-16-94	GBR	MARTIN HARRIS	200 M. BACK	JOLANDA DE ROVER	NED	- -92	2:17.86
28.81	- -90	AUS	GUY FARROW	50 M. BRST	RIA WILLEMSE	NED	- -90	33.60
1:03.23	11-03-97	JPN	HIDEAKI TOGO	100 M. BRST	MANUELA NAECHEL	GER	10-17-98	1:10.71
2:20.43	12-14-96	USA	ABRAHAM SOLANO	200 M. BRST	HELEN GORMAN	GBR	10-23-98	2:37.35
25.20	03-16-97	SWE	JONAS AKESSON	50 M. FLY	SHEILA TAORMINA	USA	03-31-96	28.68
55.85	09-05-98	BRA	ROBERTO NETO	100 M. FLY	SHEILA TAORMINA	USA	03-31-96	1:01.33
2:05.97	10-17-93	GBR	GAVIN LILLEY	200 M. FLY	S PALMER-WHITE	AUS	- -91	2:17.13
56.90	11-12-94	GBR	MARTIN HARRIS	100 M. I.M.	WENKE HANSEN	USA	12-13-98	1:05.67
2:05.93	12-10-95	USA	JOHN KEPPELER	200 M. I.M.	WENKE HANSEN	USA	12-13-98	2:21.79
4:26.79	12-10-95	USA	JOHN KEPPELER	400 M. I.M.	WENKE HANSEN	USA	12-13-98	5:02.54
***** M E N *****				30-34	***** W O M E N *****			
22.82	10-15-89	JPN	ROWDY GAINES	50 M. FREE	ANNA PETTIS-SCOTT	USA	04-17-93	26.46
50.51	10-15-89	JPN	ROWDY GAINES	100 M. FREE	SANDY NEILSON	USA	05-16-88	57.35
1:50.91	10-15-89	JPN	ROWDY GAINES	200 M. FREE	K PIPES-NEILSEN	USA	12-15-96	2:04.64
3:59.83	06-24-94	USA	BRUCE HAYES	400 M. FREE	K PIPES-NEILSEN	USA	12-01-96	4:22.70
8:19.44	06-24-94	USA	BRUCE HAYES	800 M. FREE	K PIPES-NEILSEN	USA	09-22-96	9:08.34
16:21.25	06-24-94	USA	BRUCE HAYES	1500 M. FREE	KAREN BURTON	USA	12-11-94	17:23.60
26.58	04-16-94	USA	JAY YARID	50 M. BACK	D GRANER GALLAS	USA	12-15-96	30.14
56.25	06-20-99	USA	JOHN KEPPELER	100 M. BACK	K PIPES-NEILSEN	USA	12-10-95	1:03.96
2:02.91	06-20-99	USA	JOHN KEPPELER	200 M. BACK	K PIPES-NEILSEN	USA	12-01-96	2:16.62
29.21	10-13-96	USA	DEAN PUTTERMAN	50 M. BRST	SUKI BROWNSDON	GBR	10-28-95	33.13
1:04.23	01-09-94	NED	FRANK VIJVER	100 M. BRST	SUKI BROWNSDON	GBR	10-27-95	1:11.81
2:22.97	10-18-98	USA	ROGUE SANTOS	200 M. BRST	SUKI BROWNSDON	GBR	10-26-97	2:40.08
25.06	04-09-89	USA	MICHAEL BOTTOM	50 M. FLY	D GRANER GALLAS	USA	12-15-96	29.20
54.82	05-19-96	JPN	HIROSHI MIURA	100 M. FLY	K PIPES-NEILSEN	USA	12-01-96	1:03.80
2:05.73	07-20-96	GBR	IAN BECK	200 M. FLY	K PIPES-NEILSEN	USA	12-01-96	2:19.64
57.84	05-19-96	JPN	HIROSHI MIURA	100 M. I.M.	K PIPES-NEILSEN	USA	12-10-95	1:05.16
2:06.69	10-05-96	GBR	PAUL BREW	200 M. I.M.	K PIPES-NEILSEN	USA	12-10-95	2:20.90
4:32.23	06-20-99	USA	JEROME FRENTSOS	400 M. I.M.	K PIPES-NEILSEN	USA	12-15-96	4:53.85
***** M E N *****				35-39	***** W O M E N *****			
23.80	12-11-94	USA	BRUCE STAHL	50 M. FREE	S NEILSON-BELL	USA	11-19-95	26.13
52.64	10-02-94	AUS	MARK MORGAN	100 M. FREE	S NEILSON-BELL	USA	12-03-94	57.71
1:53.66	01-25-98	NED	EDWIN VAN NORDEN	200 M. FREE	K PIPES-NEILSEN	USA	12-14-97	2:03.56
4:07.22	01-10-98	NED	EDWIN VAN NORDEN	400 M. FREE	K PIPES-NEILSEN	USA	12-14-97	4:24.01
8:39.15	11-21-98	USA	BOBBY PATTEN	800 M. FREE	K PIPES-NEILSEN	USA	11-22-98	9:15.40
16:22.20	11-21-98	USA	BOBBY PATTEN	1500 M. FREE	K PIPES-NEILSEN	USA	10-03-99	17:36.24
26.84	03-23-96	USA	CLAY BRITT	50 M. BACK	K PIPES-NEILSEN	USA	09-27-98	30.94
58.25	03-23-96	USA	CLAY BRITT	100 M. BACK	K PIPES-NEILSEN	USA	12-14-97	1:03.56
2:09.92	01-09-99	NED	EDWIN VAN NORDEN	200 M. BACK	K PIPES-NEILSEN	USA	12-14-97	2:14.10
28.82	04-04-98	USA	WALLY DICKS	50 M. BRST	CAROLINE KRATTLI	USA	12-13-98	34.59
1:03.18	04-04-98	USA	WALLY DICKS	100 M. BRST	K PIPES-NEILSEN	USA	12-14-97	1:15.65
2:22.64	04-27-96	CAN	SERGE SCORE	200 M. BRST	CAROLINE KRATTLI	USA	12-13-98	2:43.61
25.89	10-10-93	USA	WILLIAM SPECHT	50 M. FLY	TRACIE MOLL	USA	10-11-98	29.29
57.02	10-10-93	USA	WILLIAM SPECHT	100 M. FLY	K PIPES-NEILSEN	USA	12-14-97	1:03.29
2:06.48	10-09-94	USA	WILLIAM SPECHT	200 M. FLY	K PIPES-NEILSEN	USA	12-14-97	2:18.41
59.28	04-04-98	USA	CLAY BRITT	100 M. I.M.	K PIPES-NEILSEN	USA	12-13-98	1:05.74
2:08.21	01-31-99	NED	EDWIN VAN NORDEN	200 M. I.M.	K PIPES-NEILSEN	USA	12-13-98	2:20.79
4:40.84	10-26-97	GBR	ROBIN BREW	400 M. I.M.	K PIPES-NEILSEN	USA	12-14-97	4:52.85
***** M E N *****				40-44	***** W O M E N *****			
24.09	04-29-99	JPN	BRENT BARNES	50 M. FREE	LAURA VAL	USA	10-15-95	27.74
53.25	12-11-95	USA	RICK ABBOTT	100 M. FREE	BERGER-TALOCHINO	FRA	04-05-99	1:00.47
1:57.83	06-25-95	USA	HESS YNTEMA	200 M. FREE	S HEIM-BOWEN	USA	10-18-98	2:13.58
4:09.31	06-25-95	USA	HESS YNTEMA	400 M. FREE	S HEIM-BOWEN	USA	10-18-98	4:34.83
8:49.83	06-25-95	USA	HESS YNTEMA	800 M. FREE	S HEIM-BOWEN	USA	10-04-98	9:29.90
16:51.71	06-25-95	USA	HESS YNTEMA	1500 M. FREE	S HEIM-BOWEN	USA	10-10-98	18:02.62
27.84	10-11-98	USA	WILLIAM SPECHT	50 M. BACK	LAURA VAL	USA	11-14-93	31.55
59.26	10-11-98	USA	WILLIAM SPECHT	100 M. BACK	LAURA VAL	USA	10-15-95	1:10.45
2:09.61	10-11-98	USA	WILLIAM SPECHT	200 M. BACK	LAURA VAL	USA	12-10-95	2:34.04
29.50	10-02-99	GER	GERHARD AMMER	50 M. BRST	JENNY WHITELEY	AUS	11-07-98	36.13
1:06.50	12-14-97	USA	RON SCHAFER	100 M. BRST	JUDY WOODWARD	CAN	04-04-98	1:18.85
2:25.58	12-14-97	USA	RON SCHAFER	200 M. BRST	DAGMAR HILBIG	GER	05-09-99	2:47.54
25.80	09-06-98	VEN	RAMON GAMBOA	50 M. FLY	LAURA VAL	USA	10-15-95	30.17
56.18	10-11-98	USA	WILLIAM SPECHT	100 M. FLY	LAURA VAL	USA	11-14-93	1:06.86
2:02.97	10-11-98	USA	WILLIAM SPECHT	200 M. FLY	LAURA VAL	USA	11-14-93	2:29.19
1:02.30	10-15-89	USA	RIC COOLEY	100 M. I.M.	JENNY WHITELEY	AUS	06-27-98	1:11.13
2:12.25	11-22-98	USA	JIM SORENSEN	200 M. I.M.	LAURA VAL	USA	11-15-92	2:33.89
4:43.28	06-25-95	USA	HESS YNTEMA	400 M. I.M.	ROBYNN MASTERS	USA	06-20-99	5:22.59



# 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 STAINOFF	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)

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

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

***** RELAY 200 M. FREE - MIXED *****			***** RELAY 200 M. MEDLEY - MIXED *****		
100-119 EL SEGUNDO-USA	12-14-97	1:41.62	100-119 EL SEGUNDO-USA	12-14-97	1:52.80
BERT BERGEN	D GRANER GALLAS		D GRANER GALLAS	DAVE HUSTON	
MARCEL RINZLER	HEIDI HANNENIAN		DEREK ROBINSON	HEIDI HANNENIAN	
120-159 ST.PETE-USA	10-13-96	1:45.78	120-159 LAKESIDE-USA	10-15-89	1:58.28
LISA SUMMERS	WILLIAM SPECHT		WILLIAM TINGLEY	GINA GATTI	
MCKEITHEN-BUSSEY	STUART BARTON		MICHAEL HIGGS	MELINDA SCHMITT	
160-199 SAN DIEGO-USA	11-09-96	1:47.38	160-199 W HOLLYWOOD-USA	06-24-94	2:01.59
BETH KNIGHT	K.PIPES-NEILSEN		ANDREA DEVUONO	KAREN MELICK	
LARRY CARTWRIGHT	LEE MENCH		MICHAEL MEALIFFE	THOMAS REUDY	
200-239 TAMALPAIS-USA	12-13-98	1:55.91	200-239 ST KANSAI-JPN	10-25-98	2:09.37
RICHARD BURNS	ED CAZALET		YOSHIE OSAKI	YOSHIHIKO OSAKI	
LAURA VAL	NANCY RIDOUT		KOJI NAKANO	YOSHIKO OSAKI	
240-279 SAN DIEGO-USA	12-13-98	2:06.22	240-279 SAN DIEGO-USA	12-13-98	2:25.26
MIKE FRESHLEY	BETSY JORDAN		BETSY JORDAN	MIKE FRESHLEY	
JACKIE MARR	DONALD BAKER		JACKIE MARR	DONALD BAKER	
280-319 S100NOKAI-JPN	05-09-99	2:33.07	280-319 100NOKAI-JPN	04-12-98	2:52.77
MAKOTO NISHIURA	CHIE TANI		KAZUKO TAGUCHI	MAKOTO NISHIURA	
KAZUKO TAGUCHI	AKIRA ITO		AKIRA ITO	CHIE TANI	
320-359 IBARAKI-JPN	01-31-99	3:20.78	320-359 IBARAKI-JPN	01-31-99	3:45.23
KENZO UEMURA	HIROKO TSUCHIYA		RYUJI FUJIKAWA	HIROKO TSUCHIYA	
RITSUKO HAYASHIDA	RYUJI FUJIKAWA		Y KAWABATA	RITSUKO HAYASHIDA	

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UNITED STATES MASTERS SWIMMING  
1999 TOP TEN  
LONG COURSE METERS

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