

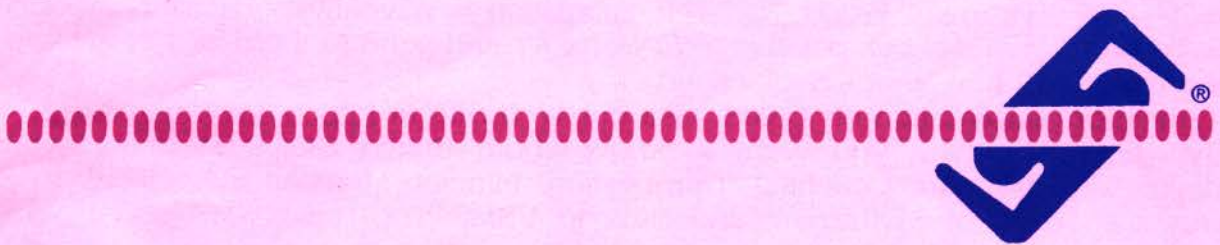
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*United States
Masters Swimming, Inc.*

**1998
Top Ten
Long Course Meters**

and

World Records
as of November 1, 1998
Short Course Meters
Long Course Meters



Published December 1998

UNITED STATES MASTERS SWIMMING

1998 TOP TEN

LONG COURSE METERS

The 1998 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, 1998 and forwarded to the Records and Tabulation Chairman, Pieter Cath, by October 20th, 1998. Each LMSC is responsible for reporting the Top Ten Times, USMS national records, and world records achieved in its LMSC.

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

Each individual and relay person on this list is eligible to purchase a Top Ten Patch with stroke segment. For a patch and one stroke segment, send \$5 to Darlyne Ferguson, 4917 Walden Circle, Orlando, FL 32811. Additional stroke segments are \$1 each.

The first issue in this series is 1997-1998 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 1998 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 1998 All American Roster will be produced. A swimmer/relay who has the Top Ten time in one or more event(s) in any one of the three courses qualifies for All American status. To order an All American Certificate and Patch, send a check for \$5 made out to USMS to: USMS National Office, 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

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | | | | | |
|----------------------------|----|---------------------------|----|---------------------------|----|----------------------------|----|
| WOMEN 19-24 | | | | | | | |
| 50 M. FREESTYLE | | 34.78 Kelli Keiser | 20 | 34.47 Laura Weathersby | 24 | 2:25.35 Gina Kehr | 28 |
| 27.92 SHARON SCOTT | 96 | 35.30 Amy Zemaitis | 19 | 34.55 Kasie Hennessey | 19 | 2:25.83 Ann Hill | 28 |
| 28.15 Linda Gallo | 21 | 35.61 Kari Davis | 23 | 35.21 Kristina Kupanoff | 24 | 2:25.99 Melissa Schramm | 27 |
| 29.47 Gerianne Mikasa | 20 | 35.74 Reb Kupcinkas | 24 | 100 M. BUTTERFLY | | 2:28.94 Natasha Reiss | 28 |
| 30.09 Cara Kadyszewski | 22 | 36.83 Sarah Armstrong | 20 | 1:06.05 BLANCA CASTILLO | 88 | 2:31.48 Michelle McClain | 25 |
| 30.18 Susan Fawcett | 24 | 37.13 Lauriejo Hall | 22 | 1:12.32 Beth Scott | 24 | 400 M. FREESTYLE | |
| 30.75 Lisa Junkermann | 20 | 37.19 Lauren Barnekov | 22 | 1:13.47 Sarah M Kerlin | 23 | 4:13.03 SHEILA TAORMINA | 95 |
| 31.03 Jennifer Brewer | 22 | 37.27 A Bergstrom | 24 | 1:15.56 Mary Ryan | 24 | 4:36.04 Christine Jeffrey | 25 |
| 31.17 Beth Scott | 24 | 37.31 Kendy Radasky | 22 | 1:17.05 Megumi Masuda | 24 | 4:45.93 Jennifer Ridge | 29 |
| 31.23 Lauren Barnekov | 22 | 38.33 Kendra K Krueger | 23 | 1:17.13 Courtney Starrett | 20 | 4:49.29 Lisa Summers | 27 |
| 31.24 Madeleine Lacour | 22 | 100 M. BACKSTROKE | | 1:17.88 Laura Weathersby | 24 | 4:52.30 Ellen Baird | 28 |
| 31.33 Suzanne L Baker | 23 | 1:06.09 DAWN BRACIAK | 87 | 1:18.01 Amy Zemaitis | 19 | 4:59.59 Trish Miranda | 29 |
| 100 M. FREESTYLE | | 1:17.08 Kelli Keiser | 20 | 1:19.45 Susan Fawcett | 24 | 5:00.00 Linda Visser | 28 |
| 1:01.49 ANITA HARRISON | 90 | 1:17.31 Reb Kupcinkas | 24 | 1:20.26 R Schoenbeck | 20 | 5:09.73 Ann Hill | 28 |
| 1:04.09 Cara Kadyszewski | 22 | 1:17.85 Amy Zemaitis | 19 | 1:22.45 Kristina Kupanoff | 24 | 5:11.76 Shelley Birnie | 29 |
| 1:05.26 Carol Leigh-Wood | 24 | 1:19.35 Carrie J Tucker | 23 | 200 M. BUTTERFLY | | 5:13.05 Shauna Simpson | 26 |
| 1:05.59 Sarah Armstrong | 20 | 1:19.66 Lauriejo Hall | 22 | 2:22.59 BLANCA CASTILLO | 88 | 5:13.20 Michelle Giggeri | 29 |
| 1:07.76 Lauriejo Hall | 22 | 1:22.18 Sarah Armstrong | 20 | 2:57.42 R Schoenbeck | 20 | 800 M. FREESTYLE | |
| 1:07.81 Jennifer Brewer | 22 | 1:22.44 Kendy Radasky | 22 | 3:13.77 Kristina Kupanoff | 24 | 9:18.43 SARA SHAND | 89 |
| 1:08.17 Kendy Radasky | 22 | 1:23.30 Heather Niemi | 21 | 3:16.93 Kendra Garrow | 23 | 10:02.16 Ellen Baird | 28 |
| 1:08.40 Kelli Keiser | 20 | 1:24.39 A Bergstrom | 24 | 200 M. INDIVIDUAL MEDLEY | | 10:26.32 Lisa Hjerpe | 29 |
| 1:08.70 Megumi Masuda | 24 | 1:24.45 Emilee Causey | 19 | 2:29.90 MICHELLE DONAHUE | 92 | 10:39.67 Ann Hill | 28 |
| 1:09.25 Laura Weathersby | 24 | 200 M. BACKSTROKE | | 2:43.83 Megumi Masuda | 24 | 10:50.49 Allison Moore | 29 |
| 1:09.53 Suzanne L Baker | 23 | 2:26.62 MICHELLE DONAHUE | 92 | 2:43.88 Sarah Armstrong | 20 | 10:51.99 Jill Murany | 25 |
| 200 M. FREESTYLE | | 2:46.83 Amy Zemaitis | 19 | 2:44.32 Sarah M Kerlin | 23 | 10:55.23 Shauna Simpson | 26 |
| 2:13.43 KATRINA WALTERS | 96 | 2:52.19 Reb Kupcinkas | 24 | 2:47.63 M Rinehold-Armstr | 22 | 11:00.56 Karen Duggan | 28 |
| 2:18.71 Bethanne Schwarz | 22 | 2:52.75 Kendy Radasky | 22 | 2:47.94 Joanne Sonberg | 24 | 11:02.08 Paula Jones | 29 |
| 2:19.67 Cara Kadyszewski | 22 | 2:57.10 Sarah Armstrong | 20 | 2:48.34 Caroline Hamilton | 23 | 11:02.26 Wendy Alcock | 27 |
| 2:25.99 Sarah Armstrong | 20 | 3:06.60 A Bergstrom | 24 | 2:52.43 Lauriejo Hall | 22 | 11:06.53 Julie Moody | 29 |
| 2:26.58 Joanne Sonberg | 24 | 3:08.23 Lauriejo Hall | 22 | 2:52.83 Beth Scott | 24 | 1500 M. FREESTYLE | |
| 2:28.11 Jennifer Brewer | 22 | 3:10.12 Becky R Smith | 19 | 2:54.81 Amy Zemaitis | 19 | 17:27.96 SHEILA TAORMINA | 95 |
| 2:28.49 Carol Leigh-Wood | 24 | 3:10.12 Becky R Smith | 19 | 2:55.20 R Schoenbeck | 20 | 19:16.73 Jennifer Ridge | 29 |
| 2:28.54 Shawna Y O'Leary | 21 | 3:14.58 Jennifer Kroh | 19 | 400 M. INDIVIDUAL MEDLEY | | 19:33.26 Lisa Summers | 27 |
| 2:29.39 Kendy Radasky | 22 | 3:21.58 Amber Storch | 23 | 5:18.36 ALISON ZAMANIAN | 94 | 19:44.31 Kathleen Pisula | 27 |
| 2:29.78 Lauriejo Hall | 22 | 50 M. BREASTSTROKE | | 5:43.18 Linda Gallo | 21 | 20:00.47 Ann Hill | 28 |
| 2:30.74 Gerianne Mikasa | 20 | 33.66 ELIZABETH NELSON | 95 | 5:49.26 Sarah M Kerlin | 23 | 20:10.51 Linda Visser | 28 |
| 400 M. FREESTYLE | | 35.33 Kari Davis | 23 | 5:49.89 Megumi Masuda | 24 | 20:38.43 Michelle Schraer | 27 |
| 4:36.94 KATRINA WALTERS | 96 | 38.06 Maria E Peterson | 22 | 6:11.50 R Schoenbeck | 20 | 20:49.52 Jennifer Jacobs | 29 |
| 4:36.94 Linda Gallo | 21 | 38.10 M Rinehold-Armstr | 22 | 6:27.62 Kendra Garrow | 23 | 21:03.21 Suzanne Dearworth | 26 |
| 4:57.88 Cara Kadyszewski | 22 | 38.41 Caroline Hamilton | 23 | 6:28.20 Kristina Kupanoff | 24 | 21:06.74 Karen Duggan | 28 |
| 5:03.49 Sarah Armstrong | 20 | 38.61 Susan Fawcett | 24 | 6:29.96 Amy Allegretti | 23 | 21:07.93 Shawna Milner | 29 |
| 5:09.86 Jennifer Brewer | 22 | 40.17 Sarah Armstrong | 20 | 6:32.35 Reb Kupcinkas | 24 | 50 M. BACKSTROKE | |
| 5:14.09 Shawna Y O'Leary | 21 | 40.20 Carrie Loehr | 23 | 6:41.38 Victoria Webber | 23 | 30.80 DIANE GRANER | 89 |
| 5:22.70 Lauriejo Hall | 22 | 40.29 Jamie Watkins | 22 | WOMEN 25-29 | | 31.64 Sunny Smiley | 28 |
| 5:32.25 Justine Hansen | 22 | 40.43 R Schoenbeck | 20 | 50 M. FREESTYLE | | 31.88 Tanya Lane | 26 |
| 5:39.26 R Schoenbeck | 20 | 41.13 Amy Zemaitis | 19 | 26.68 SARA SHAND | 91 | 32.22 Susie Geyer | 25 |
| 5:44.09 Madeleine Lacour | 22 | 100 M. BREASTSTROKE | | 27.65 Heather Hageman | 27 | 33.20 Julie Moody | 29 |
| 5:44.99 Anna M Malsch | 24 | 1:13.62 ELIZABETH NELSON | 95 | 28.41 Lisa Summers | 27 | 33.44 Heather Hageman | 27 |
| 800 M. FREESTYLE | | 1:22.45 Bethanne Schwarz | 22 | 28.05 Dori Kauffman | 29 | 34.83 Jan Howell | 26 |
| 9:31.25 ALISON ZAMANIAN | 94 | 1:23.23 M Rinehold-Armstr | 22 | 29.09 Christine Jeffrey | 25 | 34.84 Michelle McClain | 25 |
| 9:39.82 Linda Gallo | 21 | 1:25.13 Carol Leigh-Wood | 24 | 29.44 Wenke Hansen | 29 | 35.56 Cheryl L Attubato | 25 |
| 10:32.66 Sarah Armstrong | 24 | 1:26.32 Caroline Hamilton | 23 | 29.47 Trish Miranda | 29 | 36.03 Elizabeth Irving | 25 |
| 11:04.70 Amy Zemaitis | 19 | 1:27.00 Maria E Peterson | 22 | 29.67 Lisa Hjerpe | 29 | 100 M. BACKSTROKE | |
| 11:15.47 Carrie J Tucker | 23 | 1:27.58 Sarah M Kerlin | 23 | 29.85 Rachel Gunn | 27 | 1:07.32 DIANE GRANER | 89 |
| 11:17.81 Lauriejo Hall | 22 | 1:27.96 R Schoenbeck | 20 | 30.01 Julie Applegate | 27 | 1:09.06 Tanya Lane | 26 |
| 11:23.16 R Schoenbeck | 20 | 1:28.78 Sarah Armstrong | 20 | 30.21 Elizabeth Irving | 25 | 1:09.83 Christine Jeffrey | 25 |
| 11:25.30 Justine Hansen | 22 | 1:30.11 Mary Ryan | 24 | 30.21 Julia Gemeinhardt | 25 | 1:10.60 Sunny Smiley | 28 |
| 11:28.08 Nicole Denomy | 23 | 1:30.39 Megumi Masuda | 24 | 100 M. FREESTYLE | | 1:12.76 Julie Moody | 29 |
| 11:30.68 Kendra Garrow | 23 | 2:51.20 LOUISE KEOGH | 93 | 57.76 SHEILA TAORMINA | 95 | 1:13.89 Shannon Summerlin | 25 |
| 11:46.92 Becky R Smith | 19 | 2:59.99 M Rinehold-Armstr | 22 | 1:00.88 Susie Geyer | 25 | 1:14.49 Jan Howell | 26 |
| 1500 M. FREESTYLE | | 3:02.23 Caroline Hamilton | 23 | 1:02.32 Lisa Summers | 27 | 1:15.03 Laura Lovato | 29 |
| 18:17.40 ALISON ZAMANIAN | 94 | 3:08.49 Sarah Armstrong | 20 | 1:02.56 Heather Hageman | 27 | 1:15.04 Lisa Hjerpe | 29 |
| 18:54.78 Linda Gallo | 21 | 3:08.97 Sarah M Kerlin | 23 | 1:02.74 Jennifer Ridge | 29 | 1:16.78 Martha Towers | 27 |
| 21:07.33 Amy Zemaitis | 19 | 3:10.35 Maria E Peterson | 22 | 1:03.11 Wenke Hansen | 29 | 1:16.79 Michelle McClain | 25 |
| 21:19.88 Jennifer Brewer | 22 | 3:14.15 R Schoenbeck | 20 | 1:03.80 Trish Miranda | 29 | 200 M. BACKSTROKE | |
| 21:41.63 R Schoenbeck | 20 | 3:16.93 Amy Zemaitis | 19 | 1:04.06 Lisa Hjerpe | 29 | 2:19.97 DIANE GRANER | 89 |
| 21:44.09 Kendra Garrow | 23 | 3:24.66 Carrie Loehr | 23 | 1:05.25 Dori Kauffman | 29 | 2:28.54 Tanya Lane | 26 |
| 22:18.82 M Rinehold-Armstr | 22 | 3:28.32 Julie Howard | 24 | 1:05.41 Paula Jones | 29 | 2:29.33 Christine Jeffrey | 25 |
| 22:42.18 Anna M Malsch | 24 | 3:33.85 Kendra Garrow | 23 | 1:05.48 Elizabeth Irving | 25 | 2:38.35 Lisa Hjerpe | 29 |
| 23:13.66 Vicki Ashworth | 24 | 50 M. BUTTERFLY | | 200 M. FREESTYLE | | 2:39.76 Shannon Summerlin | 25 |
| 23:24.84 Jennifer Kroh | 19 | 30.00 KANA SHIBUYA | 95 | 2:02.06 SHEILA TAORMINA | 95 | 2:40.27 Sunny Smiley | 28 |
| 23:47.55 Amanda Braun | 23 | 31.09 Kari Davis | 23 | 2:11.48 Christine Jeffrey | 25 | 2:43.99 Ellen Baird | 28 |
| 50 M. BACKSTROKE | | 32.10 Bethanne Schwarz | 22 | 2:17.16 Lisa Summers | 27 | 2:44.42 Julie Moody | 29 |
| 31.55 TORI SMITH | 90 | 32.16 Gerianne Mikasa | 20 | 2:18.51 Lisa Hjerpe | 29 | 2:47.28 Michelle McClain | 25 |
| | | 32.25 Sarah M Kerlin | 23 | 2:23.65 Elizabeth Irving | 25 | 2:48.19 Laura Lovato | 29 |
| | | 33.83 Amy Zemaitis | 19 | 2:24.76 Trish Miranda | 29 | 2:52.21 Karen Duggan | 28 |
| | | 33.85 Lisa Junkermann | 20 | | | 50 M. BREASTSTROKE | |
| | | 34.23 R Schoenbeck | 20 | | | | |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | |
|-------------------------------|-------------------------------|-------------------------------|------------------------------|
| 34.35 LOUISE MARTIN 98 | 2:32.82 Christine Jeffrey 25 | 10:38.61 Charlot Peterson 33 | 2:59.26 Jennifer Wechsler 31 |
| 34.35 Louise Martin 29 | 2:34.49 Bonnie Fryer 26 | 10:45.46 Lorna Cialdella 34 | 3:00.69 Debbie M Schultz 30 |
| 34.39 Susie Geyer 25 | 2:35.54 Lisa Hjerpe 29 | • 1500 M. FREESTYLE | 3:05.34 CJ Lockman Hall 34 |
| 37.32 Julie Moody 29 | 2:40.47 Ellen Baird 28 | 17:38.70 KAREN BURTON 96 | 3:10.33 Betsy Collins 30 |
| 37.53 Michelle Sutton 29 | 2:40.73 Linda Visser 28 | 18:07.68 Lisa A Hazen 34 | 3:11.84 Mia Costello 30 |
| 37.68 Rachel Gunn 27 | • 400 M. INDIVIDUAL MEDLEY | 18:46.01 Laureen Welting 32 | 3:15.02 Irina Vazhenin 33 |
| 37.77 Lisa Summers 27 | 5:06.34 SARA SHAND 89 | 19:11.63 Donna Johnson 30 | 3:17.80 Janet Harris 32 |
| 38.29 Shannon Summerlin 25 | 5:28.33 Laurel S Hill 29 | 19:39.69 Nancy North 30 | 3:17.97 Robin Barry 31 |
| 39.31 Suzanne Dearworth 26 | 5:30.12 Andrea M Maechler 29 | 19:50.82 Jerri Freimuth 33 | 3:18.20 Lucy Shearn 30 |
| 40.32 Julie Ahrendt 27 | 5:30.15 Lisa Summers 27 | 20:17.90 Angela Fox 32 | • 50 M. BUTTERFLY |
| 41.06 Wendy Patrick 26 | 5:35.06 Lisa Hjerpe 29 | 20:45.54 S McCowan-Batchel 33 | 28.77 TRACIE MOLL 98 |
| • 100 M. BREASTSTROKE | 5:41.52 Ellen Baird 28 | 20:47.85 Cari Fleming 30 | 28.77 Tracie Moll 34 |
| 1:16.60 S MCINTYRE-WOODS 91 | 5:59.42 Karen Duggan 28 | 20:50.51 Anne Welage 32 | 30.42 Jennifer Peasley 33 |
| 1:17.38 Louise Martin 29 | 6:01.68 Paula Jones 29 | 20:54.27 Stacey McCowan 33 | 30.79 Natalie Alvey 32 |
| 1:17.39 Wenke Hansen 29 | 6:03.62 Cynthia J Hertzner 29 | • 50 M. BACKSTROKE | 30.92 Tina Sandlin 30 |
| 1:21.12 Andrea M Maechler 29 | 6:04.54 Michelle Sutton 29 | 30.94 D GRANER GALLAS 96 | 31.54 Michelle Chow 30 |
| 1:21.49 Laurel S Hill 29 | 6:05.56 Natasha Reiss 28 | 33.74 Tina Sandlin 30 | 31.54 Dawn Hewitt 33 |
| 1:22.74 Lisa Hjerpe 29 | | 33.77 Joan Schriger 34 | 31.59 Joan Schriger 34 |
| 1:24.90 Shannon Summerlin 25 | <u>WOMEN 30-34</u> | 34.02 A Luallen-Scholz 33 | 31.62 Molly Dean 32 |
| 1:25.02 Julie Ahrendt 27 | | 34.66 Shelle Marsh 33 | 31.80 Mary Gardner 33 |
| 1:25.03 Rachel Gunn 27 | • 50 M. FREESTYLE | 34.87 Laura McKeever 30 | 31.80 A Luallen-Scholz 33 |
| 1:27.00 Karen Duggan 28 | 26.37 S NEILSON-BELL 88 | 35.00 Cecelia Cokman 32 | • 100 M. BUTTERFLY |
| 1:27.94 Suzanne Dearworth 26 | 26.75 Tracie Moll 34 | 35.13 Lori Terlouw 34 | 1:03.93 TRACIE MOLL 98 |
| • 200 M. BREASTSTROKE | 27.88 Jennifer Peasley 33 | 36.43 Kimberly Smith 34 | 1:03.93 Tracie Moll 34 |
| 2:48.56 LOUISE MARTIN 98 | 28.51 Natalie Alvey 32 | 36.43 Priscilla Bettis 33 | 1:09.81 Michelle Chow 30 |
| 2:48.56 Louise Martin 29 | 29.07 Jamie Herrington 32 | 37.04 Tina Neill 32 | 1:09.94 Natalie Alvey 32 |
| 2:54.09 Tanya Lane 26 | 29.32 Mary Gardner 33 | • 100 M. BACKSTROKE | 1:09.98 Jennifer Peasley 33 |
| 2:58.83 Linda Visser 28 | 29.32 Christi Kanazawa 31 | 1:05.42 D GRANER GALLAS 96 | 1:10.21 Joan Schriger 34 |
| 3:03.58 Suzanne Dearworth 26 | 29.41 Charlot Petersen 34 | 1:12.15 Joan Schriger 34 | 1:11.00 Laureen Welting 32 |
| 3:03.62 Karen Duggan 28 | 29.46 Tina Sandlin 30 | 1:12.21 A Luallen-Scholz 33 | 1:11.91 Lori Terlouw 34 |
| 3:07.01 Julie Moody 29 | 29.84 Jane West 33 | 1:13.00 Dawn Hewitt 33 | 1:12.06 Christena Pazos 30 |
| 3:09.88 Michelle Sutton 29 | 29.88 Kathryn Zubatuk 33 | 1:13.38 Laura McKeever 30 | 1:13.10 Jennifer Wechsler 31 |
| 3:10.14 Cynthia J Hertzner 29 | • 100 M. FREESTYLE | 1:13.57 Mary Gardner 33 | 1:13.65 Sarah Jordan 33 |
| 3:11.21 Virginia Moretto 29 | 58.09 S NEILSON-BELL 88 | 1:15.29 Cecelia Cokman 32 | • 200 M. BUTTERFLY |
| 3:18.08 Tracey Mc Lachlan 26 | 58.38 Tracie Moll 34 | 1:16.04 Jamie Herrington 32 | 2:20.12 K PIPES-NEILSEN 96 |
| • 50 M. BUTTERFLY | 1:01.30 Lisa A Hazen 34 | 1:16.12 Maureen Zawalick 31 | 2:27.00 Tracie Moll 34 |
| 28.79 ROSMARIE SEAMAN 87 | 1:01.67 Jennifer Peasley 33 | 1:16.62 Shelle Marsh 33 | 2:34.37 Nancy North 30 |
| 30.03 Sunny Smiley 28 | 1:02.19 Michelle Chow 30 | 1:17.21 Mary Llew Anders 34 | 2:54.34 Karen Schoenhals 30 |
| 30.39 Susie Geyer 25 | 1:02.50 Natalie Alvey 32 | • 200 M. BACKSTROKE | 2:56.76 Tina Neill 32 |
| 31.18 Heather Hageman 27 | 1:02.74 Laureen Welting 32 | 2:17.73 K PIPES-NEILSEN 96 | 3:04.48 Martina Ralle 32 |
| 31.58 Michelle Sutton 29 | 1:03.15 Mary Gardner 33 | 2:33.89 Dawn Hewitt 33 | 3:08.16 Dana Smith 34 |
| 31.66 Bonnie Fryer 26 | 1:03.76 Charlot Petersen 34 | 2:36.09 Joan Schriger 34 | 3:10.94 Adrienne Seal 33 |
| 31.74 Trish Miranda 29 | 1:03.96 Tina Sandlin 30 | 2:39.63 A Luallen-Scholz 33 | 3:14.01 Priscilla Bettis 33 |
| 32.19 Cindy Pitt 28 | 1:03.96 Margaret Keller 34 | 2:41.45 Laura McKeever 30 | 3:25.01 Lisa Congdon 30 |
| 32.55 Shannon Summerlin 25 | • 200 M. FREESTYLE | 2:43.34 Cecelia Cokman 32 | 3:55.60 Alysia Cowgill 33 |
| 32.60 Linda Visser 28 | 2:06.80 K PIPES-NEILSEN 96 | 2:43.64 Mary Llew Anders 34 | • 200 M. INDIVIDUAL MEDLEY |
| 32.86 Julia Gemeinhardt 25 | 2:09.68 Tracie Moll 34 | 2:44.35 Tina Neill 32 | 2:23.12 K PIPES-NEILSEN 96 |
| • 100 M. BUTTERFLY | 2:13.39 Lisa A Hazen 34 | 2:45.76 Shelle Marsh 33 | 2:34.10 Laureen Welting 32 |
| 1:03.67 SHEILA TAORMINA 95 | 2:14.41 Laureen Welting 32 | 2:46.20 Lori Terlouw 34 | 2:37.17 Lisa A Hazen 34 |
| 1:08.54 Jennifer Ridge 29 | 2:16.80 Nancy North 30 | 2:48.96 Margaret Keller 34 | 2:37.45 Michelle Chow 30 |
| 1:08.84 Andrea M Maechler 29 | 2:18.00 Jane West 33 | • 50 M. BREASTSTROKE | 2:37.77 Laura McKeever 30 |
| 1:09.17 Sunny Smiley 28 | 2:18.13 Charlot Petersen 34 | 35.90 LISA BENNETT 88 | 2:40.37 Dawn Hewitt 33 |
| 1:09.53 Wenke Hansen 29 | 2:18.54 Natalie Alvey 32 | 36.55 Jennifer Wechsler 31 | 2:40.73 Kathryn Zubatuk 33 |
| 1:10.14 Bonnie Fryer 26 | 2:19.63 Laura McKeever 30 | 38.40 Betsy Collins 30 | 2:40.73 A Luallen-Scholz 33 |
| 1:10.86 Linda Visser 28 | 2:21.03 Jennifer Peasley 33 | 38.44 Debbie M Schultz 30 | 2:42.24 Jennifer Peasley 33 |
| 1:12.88 Michelle Sutton 29 | 2:21.27 Heidi Harris 34 | 38.64 Mia Costello 30 | 2:42.71 Lorna Cialdella 34 |
| 1:14.03 Kelly Christensen 26 | • 400 M. FREESTYLE | 39.04 Jill Oviatt 31 | 2:43.04 Jerri Freimuth 33 |
| 1:14.29 Kristi Boettcher 26 | 4:28.76 K PIPES-NEILSEN 96 | 39.71 Janet Harris 32 | • 400 M. INDIVIDUAL MEDLEY |
| 1:14.31 Anne L Oberg 27 | 4:40.23 Lisa A Hazen 34 | 39.90 Robin Paine 34 | 5:03.97 K PIPES-NEILSEN 96 |
| • 200 M. BUTTERFLY | 4:43.45 Laureen Welting 32 | 39.94 A Luallen-Scholz 33 | 5:23.66 Laureen Welting 32 |
| 2:17.51 SHEILA TAORMINA 95 | 4:48.20 Jane West 33 | 40.80 Kelly Knetsch 33 | 5:40.77 Debbie M Schultz 30 |
| 2:33.88 Jennifer Ridge 29 | 4:50.48 Charlot Petersen 34 | 40.91 Gloria Nemet 34 | 5:41.20 Michelle Chow 30 |
| 2:38.70 Bonnie Fryer 26 | 4:50.58 Nancy North 30 | 40.91 Merit Greaves 34 | 5:43.59 Nancy North 30 |
| 2:39.48 Linda Visser 28 | 5:00.20 Laurie Hug 33 | • 100 M. BREASTSTROKE | 5:44.54 Dawn Hewitt 33 |
| 2:42.26 Shauna Simpson 26 | 5:01.30 Heidi Harris 34 | 1:18.80 BETH SCHEIMANN 93 | 5:44.83 A Luallen-Scholz 33 |
| 2:46.58 Ellen Baird 28 | 5:01.31 Donna Johnson 30 | 1:21.55 Jennifer Wechsler 31 | 5:48.26 Lorna Cialdella 34 |
| 2:47.86 Michelle Schraer 27 | 5:07.04 Marion Salopek 33 | 1:22.41 Jerri Freimuth 33 | 5:48.47 Lisa A Ward 34 |
| 2:49.29 Kristi Boettcher 26 | 5:07.09 Dawn Hewitt 33 | 1:23.26 Carol West 34 | 5:48.66 Jerri Freimuth 33 |
| 2:49.31 Ellicia Romo 25 | • 800 M. FREESTYLE | 1:23.92 Debbie M Schultz 30 | 5:50.16 Donna Johnson 30 |
| 2:52.02 Ann Hill 28 | 9:19.96 SUSAN PORTER 94 | 1:24.97 Mia Costello 30 | |
| 2:55.11 Michelle Sutton 29 | 9:29.91 Lisa A Hazen 34 | 1:25.82 Betsy Collins 30 | <u>WOMEN 35-39</u> |
| • 200 M. INDIVIDUAL MEDLEY | 9:51.33 Jane West 33 | 1:26.31 Liesa Benn 33 | • 50 M. FREESTYLE |
| 2:25.45 SARA SHAND 89 | 9:54.97 Nancy North 30 | 1:27.30 Lisa A Ward 34 | 26.68 S NEILSON-BELL 96 |
| 2:26.99 Wenke Hansen 29 | 10:08.73 Donna Johnson 30 | 1:28.26 Jill Oviatt 31 | 27.61 K Pipes-Neilsen 36 |
| 2:29.68 Tanya Lane 26 | 10:14.78 Dawn Hewitt 33 | 1:28.71 A Luallen-Scholz 33 | 28.26 Mary Roebuck 36 |
| 2:30.96 Jennifer Ridge 29 | 10:16.65 Heidi Harris 34 | • 200 M. BREASTSTROKE | 28.52 Cathy Shonkwiler 38 |
| 2:31.37 Andrea M Maechler 29 | 10:24.25 Jerri Freimuth 33 | 2:53.08 KAREN MELICK 87 | 29.01 Maureen O'Toole 37 |
| 2:32.28 Lisa Summers 27 | 10:37.30 Sarah Jordan 33 | 2:56.79 Jerri Freimuth 33 | |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | | | | | |
|----------------------------|----|--------------------------|---------|----------------------------|----|----------------------------|----|
| 29.19 Kathy Garnier | 38 | ▪ 100 M. BACKSTROKE | 1:11.56 | Mary Anders | 35 | 2:32.70 Katherine Branch | 41 |
| 29.22 Karen Andrews | 36 | 1:05.41 K PIPES-NEILSEN | 97 | 1:12.72 Suzan Heim-Bowen | 39 | 2:32.73 Tracy Grilli | 41 |
| 29.77 Beth Baker | 37 | 1:06.29 K Pipes-Neilsen | 36 | 1:12.96 Amy Pope | 37 | 2:33.46 Judy Lambert | 42 |
| 29.99 Melinda Schmitt | 39 | 1:10.43 Karen Andrews | 36 | 1:13.20 Liz Burchett | 35 | ▪ 400 M. FREESTYLE | |
| 30.00 Leissa Mills | 38 | 1:11.72 V Swanson | 36 | 1:14.07 Arlene House | 35 | 4:42.71 S HEIM-BOWEN | 98 |
| 30.19 Beth Scheimann | 36 | 1:11.88 Beth Baker | 37 | 1:14.76 Sally Newland | 38 | 4:42.71 Suz Heim-Bowen | 40 |
| ▪ 100 M. FREESTYLE | | 1:13.48 Mary Anders | 35 | ▪ 200 M. BUTTERFLY | | 5:02.10 Charlene O'Brien | 41 |
| 58.87 S NEILSON-BELL | 95 | 1:16.61 Sharon Wencel | 39 | 2:20.21 K PIPES-NEILSEN | 97 | 5:13.95 Jane K Burks | 41 |
| 1:00.57 K Pipes-Neilsen | 36 | 1:16.71 Cathy Shonkwiler | 38 | 2:22.97 K Pipes-Neilsen | 36 | 5:15.58 Cindy S Lee | 41 |
| 1:02.06 Mary Roebuck | 36 | 1:18.00 Mary Llew Anders | 35 | 2:40.08 Andrea Block | 36 | 5:16.66 Kathryn Bullock | 44 |
| 1:02.87 Cathy Shonkwiler | 38 | 1:18.63 Leissa Mills | 38 | 2:42.34 Nancy J Rose | 36 | 5:17.49 Karlene Wise | 44 |
| 1:03.19 Beth Knight | 38 | 1:20.38 Andrea Nauta | 39 | 2:51.08 Stephanie Porter | 36 | 5:17.71 Pam Martin | 40 |
| 1:03.71 Robynn Masters | 39 | ▪ 200 M. BACKSTROKE | | 2:51.77 Liz Burchett | 36 | 5:18.75 Meg May | 40 |
| 1:03.85 Leissa Mills | 38 | 2:18.20 K PIPES-NEILSEN | 97 | 2:54.21 Penny Bates | 37 | 5:20.77 Patty Landers | 41 |
| 1:04.53 Melinda Schmitt | 39 | 2:18.37 K Pipes-Neilsen | 36 | 3:00.75 Marguerite Meyer | 39 | 5:22.58 Tracy Grilli | 41 |
| 1:04.61 Kathy Garnier | 38 | 2:35.56 Robynn Masters | 39 | 3:00.91 Amy Pope | 37 | ▪ 800 M. FREESTYLE | |
| 1:04.69 Maureen O'Toole | 37 | 2:39.12 Karen Andrews | 36 | 3:27.24 Cynthia Hirst | 35 | 9:37.13 S HEIM-BOWEN | 98 |
| 1:04.76 Mary Anders | 35 | 2:40.01 Mary Anders | 35 | 3:30.16 Rosana Andrade | 37 | 9:37.13 Suz Heim-Bowen | 40 |
| ▪ 200 M. FREESTYLE | | 2:40.50 V Swanson | 36 | ▪ 200 M. INDIVIDUAL MEDLEY | | 10:56.19 Meg May | 40 |
| 2:06.62 K PIPES-NEILSEN | 98 | 2:44.28 Andrea Devuono | 35 | 2:22.42 K PIPES-NEILSEN | 97 | 10:56.62 Charlene O'Brien | 41 |
| 2:06.62 K Pipes-Neilsen | 36 | 2:44.47 Beth Baker | 37 | 2:24.76 K Pipes-Neilsen | 36 | 11:02.87 Tracy Grilli | 41 |
| 2:16.66 Mary Roebuck | 36 | 2:49.45 Pamela Boscovich | 35 | 2:34.44 Mary Roebuck | 36 | 11:03.24 Bridget Vache | 43 |
| 2:17.27 Leissa Mills | 38 | 2:51.25 Penny Bates | 37 | 2:34.99 Jann Girard | 38 | 11:03.57 Jane K Burks | 41 |
| 2:18.26 Margee M Curran | 37 | 2:51.88 Sharon Wencel | 39 | 2:38.34 Beth Baker | 37 | 11:08.09 Karlene Wise | 44 |
| 2:19.42 Cathy Shonkwiler | 38 | ▪ 50 M. BREASTSTROKE | | 2:38.54 V Swanson | 36 | 11:09.52 Judy Lambert | 42 |
| 2:21.10 Marguerite Meyer | 39 | 34.41 L WETZEL-OSBORNE | 89 | 2:44.39 Deborah Zimic | 36 | 11:09.97 N Steadman-Martin | 44 |
| 2:21.58 Amy Pope | 37 | 36.60 Patty Powis | 37 | 2:44.90 Amy Pope | 37 | 11:10.98 Joann Harrelson | 42 |
| 2:22.46 Suzan Heim-Bowen | 39 | 36.64 K Pipes-Neilsen | 36 | 2:46.85 Sally Newland | 38 | ▪ 1500 M. FREESTYLE | |
| 2:22.80 Andrea Nauta | 39 | 38.19 Maud Orlando | 35 | 2:47.72 Andrea Devuono | 35 | 18:14.34 S HEIM-BOWEN | 98 |
| 2:22.93 Arlene House | 35 | 38.25 Beth Scheimann | 36 | 2:48.11 Mary Llew Anders | 35 | 18:14.34 Suz Heim-Bowen | 40 |
| ▪ 400 M. FREESTYLE | | 39.44 Liz Burchett | 36 | ▪ 400 M. INDIVIDUAL MEDLEY | | 20:20.09 Jane K Burks | 41 |
| 4:26.17 K PIPES-NEILSEN | 97 | 39.97 Cokie Lepinski | 39 | 5:02.67 K PIPES-NEILSEN | 98 | 20:32.33 Wanda Brown | 41 |
| 4:27.43 K Pipes-Neilsen | 36 | 40.09 Dara Wilber | 38 | 5:02.67 K Pipes-Neilsen | 36 | 20:52.57 Meg May | 40 |
| 4:46.68 Mary Roebuck | 36 | 40.23 Tonya Berg | 39 | 5:36.85 Robynn Masters | 39 | 21:07.77 Lisa Bennett | 42 |
| 4:51.70 H Vaughan-Edmonds | 36 | 40.56 Barbara Burke | 36 | 5:37.36 Jann Girard | 38 | 21:20.45 Tracy Grilli | 41 |
| 4:52.41 Leissa Mills | 38 | 41.35 Carol Badger | 39 | 5:39.57 Beth Baker | 37 | 21:21.82 Judy Lambert | 42 |
| 4:53.23 Beth Knight | 38 | ▪ 100 M. BREASTSTROKE | | 5:49.91 Suzan Heim-Bowen | 39 | 21:30.92 Karlene Wise | 44 |
| 4:53.87 Robynn Masters | 39 | 1:17.44 L WETZEL-OSBORNE | 90 | 5:51.47 Mary Anders | 35 | 21:35.11 Phyllis E Quinn | 42 |
| 4:56.22 Marguerite Meyer | 39 | 1:20.22 K Pipes-Neilsen | 36 | 5:58.12 Nancy J Rose | 36 | 22:15.16 Lucy Cook | 40 |
| 4:58.48 Cathy Shonkwiler | 38 | 1:23.31 Maureen O'Toole | 37 | 5:59.53 Marguerite Meyer | 39 | ▪ 50 M. BACKSTROKE | |
| 5:00.99 Amy Pope | 37 | 1:23.86 Maud Orlando | 35 | 6:16.12 Eileen Fagan | 36 | 32.25 LAURA VAL | 94 |
| 5:05.46 Beth Scheimann | 36 | 1:24.09 Patty Powis | 37 | 6:16.21 Rene James | 35 | 35.02 Karlene Wise | 44 |
| ▪ 800 M. FREESTYLE | | 1:24.67 Jann Girard | 38 | | | 35.28 Patty Landers | 41 |
| 9:16.20 K PIPES-NEILSEN | 97 | 1:25.82 Tonya Berg | 39 | WOMEN 40-44 | | 36.97 Judy Tibma | 42 |
| 9:20.74 K Pipes-Neilsen | 36 | 1:25.93 Liz Burchett | 36 | ▪ 50 M. FREESTYLE | | 37.03 Carole Shigaki | 43 |
| 9:51.02 Suzan Heim-Bowen | 39 | 1:25.99 Cokie Lepinski | 39 | 27.39 S NEILSON-BELL | 96 | 37.04 Debbie Cavanaugh | 40 |
| 9:52.15 Margee M Curran | 37 | 1:26.08 Dara Wilber | 38 | 28.09 S Neilson-Bell | 42 | 37.10 Cindy S Lee | 41 |
| 9:53.33 Mary Roebuck | 36 | 1:28.75 Beth Scheimann | 36 | 29.32 Karlene Wise | 44 | 37.54 Tracy Grilli | 41 |
| 9:55.92 Marguerite Meyer | 39 | ▪ 200 M. BREASTSTROKE | | 30.05 Debbie Glassman | 44 | 37.83 Marilyn Fink | 43 |
| 9:56.66 H Vaughan-Edmonds | 36 | 2:52.25 K PIPES-NEILSEN | 97 | 30.55 Pam Drafts | 41 | 38.26 Dianne Magiera | 40 |
| 9:58.42 Robynn Masters | 39 | 2:56.28 K Pipes-Neilsen | 36 | 30.59 Linda Buchanan | 41 | 39.02 Lynn Sullivan | 40 |
| 10:18.44 Amy Pope | 37 | 3:00.96 Jann Girard | 38 | 30.84 Pam Martin | 40 | ▪ 100 M. BACKSTROKE | |
| 10:36.97 Nancy J Rose | 36 | 3:01.81 Maud Orlando | 35 | 31.17 Lynn Sullivan | 40 | 1:11.03 LAURA VAL | 92 |
| 10:39.34 Arlene House | 35 | 3:02.59 Patty Powis | 37 | 31.42 Meg May | 40 | 1:14.85 Patty Landers | 41 |
| ▪ 1500 M. FREESTYLE | | 3:03.52 Dara Wilber | 38 | 31.50 Jennifer Luker | 41 | 1:17.94 Karlene Wise | 44 |
| 17:59.12 BETH KNIGHT | 94 | 3:06.71 Cokie Lepinski | 39 | 31.62 Marilyn Fink | 43 | 1:20.22 Marilyn Fink | 43 |
| 18:06.70 K Pipes-Neilsen | 36 | 3:08.61 Tonya Berg | 39 | ▪ 100 M. FREESTYLE | | 1:20.55 Charlene O'Brien | 41 |
| 18:52.00 Robynn Masters | 39 | 3:12.22 Beth Scheimann | 36 | 1:00.63 S NEILSON-BELL | 96 | 1:21.53 Jane K Burks | 41 |
| 19:17.64 Marguerite Meyer | 39 | 3:16.04 Carol Badger | 39 | 1:02.78 S Neilson-Bell | 42 | 1:22.29 Debbie Cavanaugh | 40 |
| 19:30.30 Amy Pope | 37 | 3:16.92 Becky Oblatz | 38 | 1:04.67 Karlene Wise | 44 | 1:22.50 Carole Shigaki | 43 |
| 19:34.04 Nancy J Rose | 36 | ▪ 50 M. BUTTERFLY | | 1:07.80 Debbie Glassman | 44 | 1:25.96 Kelly Bergdoll | 40 |
| 20:26.29 Penny Bates | 37 | 29.27 SUSAN HALFACRE | 88 | 1:08.29 Meg May | 40 | 1:26.12 K Nisley-Black | 42 |
| 20:41.39 Penny Leach | 35 | 29.75 K Pipes-Neilsen | 36 | 1:09.80 Pam Drafts | 41 | 1:26.34 Michele Devitt | 41 |
| 20:55.80 Patty Powis | 37 | 31.15 Beth Baker | 37 | 1:09.81 Marilyn Fink | 43 | ▪ 200 M. BACKSTROKE | |
| 21:10.76 Constance Hallett | 39 | 31.36 Cathy Shonkwiler | 38 | 1:10.00 C Gettelfinger | 40 | 2:37.75 MARYANNE KEEVER | 96 |
| 21:11.49 Laura Kessler | 37 | 31.68 Mary Anders | 35 | 1:11.03 Helen Cane | 42 | 2:44.39 Patty Landers | 41 |
| ▪ 50 M. BACKSTROKE | | 31.91 Andrea Block | 36 | 1:11.03 Bridget Vache | 43 | 2:50.83 Karlene Wise | 44 |
| 31.83 K PIPES-NEILSEN | 97 | 32.02 J Harrington | 37 | 1:11.13 Kelly Bergdoll | 40 | 2:53.88 Charlene O'Brien | 41 |
| 32.07 K Pipes-Neilsen | 36 | 32.34 Beth Scheimann | 36 | ▪ 200 M. FREESTYLE | | 2:54.75 Katherine Branch | 41 |
| 32.57 Karen Andrews | 36 | 32.45 Mary Hughes | 39 | 2:14.97 LAURA VAL | 94 | 2:57.13 Kathryn Bullock | 44 |
| 33.71 Beth Baker | 37 | 32.79 Caren A Mc Namara | 38 | 2:16.00 Suz Heim-Bowen | 40 | 3:00.00 Debbie Cavanaugh | 40 |
| 33.78 V Swanson | 36 | 32.89 Penny Leach | 35 | 2:20.89 S Neilson-Bell | 42 | 3:01.90 Carole Shigaki | 43 |
| 34.22 Cathy Shonkwiler | 38 | ▪ 100 M. BUTTERFLY | | 2:26.44 Karlene Wise | 44 | 3:05.53 K Nisley-Black | 42 |
| 34.85 Zena Courtney | 39 | 1:04.34 K PIPES-NEILSEN | 98 | 2:26.75 Susan Skiff | 43 | 3:06.01 Michele Devitt | 41 |
| 35.06 Pamela Boscovich | 35 | 1:04.34 K Pipes-Neilsen | 36 | 2:27.64 Cindy S Lee | 41 | 3:06.66 Marilyn Early | 40 |
| 35.33 Sharon Wencel | 39 | 1:08.73 Beth Baker | 37 | 2:30.05 Jean Spinelli | 42 | ▪ 50 M. BREASTSTROKE | |
| 35.90 Penny Leach | 35 | 1:09.94 Andrea Block | 36 | 2:30.10 Meg May | 40 | 37.02 A WRIGHT-BELKNAP | 92 |
| 36.67 Diana McDonough | 35 | 1:10.78 Cathy Shonkwiler | 38 | | | 38.15 Lisa Bennett | 42 |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | |
|-----------------------------|--------------------------------|------------------------------|------------------------------|
| 39.09 Judy Tibma 42 | 2:52.71 Lisa Bennett 42 | ▪ 1500 M. FREESTYLE | 3:16.45 Teri Hendryx 45 |
| 39.86 C Gettelfinger 40 | 2:55.75 Carole Shigaki 43 | 19:26.97 LAURA VAL 98 | 3:17.67 Prisc Kawakami 47 |
| 40.07 Bettyann Levine 40 | 2:55.88 Judy Tibma 42 | 19:26.97 Laura B Val 46 | 3:20.26 Meegan Wilson 49 |
| 40.13 Eileen A Wall 40 | ▪ 400 M. INDIVIDUAL MEDLEY | 20:01.55 Danielle Ogier 45 | 3:25.95 Linda Carstens 45 |
| 40.71 Jill Whitney 41 | 5:39.70 LAURA VAL 93 | 20:11.73 Barbara Dunbar 49 | 3:26.43 Diane Rothenberg 45 |
| 40.95 Debbie Cavanaugh 41 | 5:39.98 Suz Heim-Bowen 40 | 21:09.08 Terry Gault 47 | 3:30.04 Jessica Seaton 45 |
| 41.45 Bridget Vache 43 | 5:49.42 Gail Rice 42 | 21:15.70 Prisc Kawakami 47 | ▪ 50 M. BUTTERFLY |
| 41.65 Pam Drafts 41 | 6:01.42 Charlene O'Brien 41 | 21:35.66 Sherry Kittrell 46 | 30.74 ARDETH MUELLER 87 |
| 41.89 Mary Anderson 44 | 6:07.51 Colette Crabbe 41 | 21:43.90 Marcia Barry 49 | 30.78 Laura Val 46 |
| ▪ 100 M. BREASTSTROKE | 6:09.84 Kathryn Bullock 44 | 21:49.38 Mary Ann Stevens 45 | 32.67 Jacki Hirsty 45 |
| 1:21.73 DEBORAH WALKER 91 | 6:11.17 Joann Harrelson 42 | 22:02.66 Mary B Windrath 45 | 33.70 Mary Ann Stevens 45 |
| 1:25.51 Lisa Bennett 42 | 6:13.79 Laura Worden 40 | 22:34.24 Cynthia Jones 48 | 34.25 R Brittingham 47 |
| 1:27.02 Judy Tibma 42 | 6:17.12 Karlene Wise 44 | ▪ 50 M. BACKSTROKE | 34.29 Carol Pflugheber 45 |
| 1:27.19 Melon Dash 43 | 6:17.78 Debbie Flansburg 42 | 32.93 LAURA VAL 97 | 34.35 Jonelle Schmidt 47 |
| 1:27.65 Bettyann Levine 40 | 6:17.88 Eileen A Wall 40 | 33.13 Laura Val 46 | 34.65 Barbara Dunbar 49 |
| 1:27.98 Eileen A Wall 40 | | 35.13 Ann Guins 45 | 34.75 Krissy Mac Curdy 45 |
| 1:28.12 Bridget Vache 43 | <u>WOMEN 45-49</u> | 35.78 Susie Atwood 45 | 34.87 Debra Doman 45 |
| 1:29.36 Jill Whitney 41 | | 36.17 Carol Pflugheber 45 | 35.06 Janet Zann 47 |
| 1:30.98 C Gettelfinger 40 | ▪ 50 M. FREESTYLE | 37.36 Denise Kirwan 46 | ▪ 100 M. BUTTERFLY |
| 1:31.13 Pam Drafts 41 | 28.30 JACKI HIRSTY 98 | 37.72 Teri Hendryx 45 | 1:08.02 LAURA VAL 98 |
| 1:31.97 Linda Buchanan 41 | 28.30 Jacki Hirsty 45 | 38.43 R Brittingham 47 | 1:08.02 Laura Val 46 |
| ▪ 200 M. BREASTSTROKE | 28.91 Laura B Val 46 | 38.68 Mary Ann Stevens 45 | 1:14.43 Mary Ann Stevens 45 |
| 2:59.24 GAYLE BENTY 93 | 31.48 R Brittingham 47 | 38.95 Deb Walker 47 | 1:20.24 Terry Gault 47 |
| 3:05.13 Colette Crabbe 41 | 31.78 Jonelle Schmidt 47 | 39.46 Janet Zann 47 | 1:21.55 Cathy Mancino 48 |
| 3:05.17 Judy Tibma 42 | 32.06 Ann Guins 45 | ▪ 100 M. BACKSTROKE | 1:21.96 R Brittingham 47 |
| 3:06.48 Lisa Bennett 42 | 32.21 Debra Doman 45 | 1:12.70 LAURA VAL 97 | 1:22.71 Janet Zann 47 |
| 3:07.12 Gail Rice 42 | 32.59 Priscilla Kawakami 47 | 1:13.98 Laura B Val 46 | 1:24.19 Susan Tyler 49 |
| 3:09.29 Eileen A Wall 40 | 32.83 Trish Markley 48 | 1:14.70 Susie Atwood 45 | 1:25.28 Dale Williams 45 |
| 3:09.41 Bettyann Levine 40 | 33.02 Barbara Dunbar 49 | 1:20.16 Ann Guins 45 | 1:34.14 Kat Clark 49 |
| 3:12.17 Lo Knapp 43 | 33.38 Carol Pflugheber 45 | 1:20.74 Carol Pflugheber 45 | 1:34.41 Sherry Kittrell 46 |
| 3:14.54 Joann Harrelson 42 | ▪ 100 M. FREESTYLE | 1:22.76 Mary Ann Stevens 45 | ▪ 200 M. BUTTERFLY |
| 3:15.70 C Gettelfinger 40 | 1:02.75 LAURA VAL 98 | 1:22.79 Jonelle Schmidt 47 | 2:31.37 LAURA VAL 98 |
| 3:17.65 Pam Allen 42 | 1:02.75 Laura B Val 46 | 1:23.02 Denise Kirwan 46 | 2:31.37 Laura Val 46 |
| ▪ 50 M. BUTTERFLY | 1:02.86 Jacki Hirsty 45 | 1:23.39 Deb Walker 47 | 2:51.04 Barbara Dunbar 49 |
| 29.89 LAURA VAL 94 | 1:06.03 Danielle Ogier 45 | 1:25.05 Teri Hendryx 45 | 2:57.15 Cathy Mancino 48 |
| 31.72 Charlene O'Brien 41 | 1:09.15 R Brittingham 47 | 1:28.56 Christy Hartman 45 | 3:01.30 Terry Gault 47 |
| 31.89 S Neilson-Bell 42 | 1:10.30 Jonelle Schmidt 47 | ▪ 200 M. BACKSTROKE | 3:25.05 Darlene Staley 48 |
| 32.36 Debbie Glassman 44 | 1:11.15 Debra Doman 45 | 2:42.60 CECILIA MCCLOSKEY 95 | 3:25.81 Regin Brittingham 46 |
| 32.64 Pam Martin 40 | 1:11.93 Priscilla Kawakami 47 | 2:47.64 Susie Atwood 45 | 3:31.34 Kathrine Casey 49 |
| 33.41 Bridget Vache 43 | 1:12.29 Ann Guins 45 | 2:53.68 Denise Kirwan 46 | 3:34.69 Suzanne Rague 48 |
| 33.46 Lynn Sullivan 40 | 1:12.58 Mary B Windrath 45 | 2:56.42 Teri Hendryx 45 | 3:44.04 Cynthia Jones 48 |
| 33.68 Debbie Flansburg 42 | 1:13.14 Diane Rothenberg 45 | 2:58.78 Carol Pflugheber 45 | 3:45.57 Margaret Dodson 47 |
| 33.71 Karlene Wise 44 | ▪ 200 M. FREESTYLE | 3:00.77 Ann Guins 45 | ▪ 200 M. INDIVIDUAL MEDLEY |
| 33.84 Patricia Thomas 40 | 2:17.12 LAURA VAL 98 | 3:02.14 Jonelle Schmidt 47 | 2:40.95 LAURA VAL 97 |
| 33.90 Judy Tibma 42 | 2:17.12 Laura Val 46 | 3:07.71 S Lee-Sheridan 46 | 2:42.67 Danielle Ogier 46 |
| ▪ 100 M. BUTTERFLY | 2:20.59 Danielle Ogier 45 | 3:14.11 Kathrine Casey 49 | 2:45.53 Laura Val 46 |
| 1:06.27 LAURA VAL 92 | 2:20.74 Jacki Hirsty 45 | 3:18.85 Rorie Anderson 47 | 2:48.15 Jacki Hirsty 45 |
| 1:11.97 Suzan Heim-Bowen 40 | 2:32.39 Barbara Dunbar 49 | 3:19.17 Marcia Barry 49 | 2:51.19 Mary Ann Stevens 45 |
| 1:12.11 S Neilson-Bell 42 | 2:35.02 Jonelle Schmidt 47 | ▪ 50 M. BREASTSTROKE | 2:52.87 Deb Walker 47 |
| 1:13.00 Charlene O'Brien 41 | 2:36.02 Marcia Barry 49 | 36.97 SUSAN ROY 94 | 2:54.08 Jonelle Schmidt 47 |
| 1:14.07 Pam Martin 40 | 2:38.12 Debra Doman 45 | 38.97 Deb Walker 47 | 2:56.95 Krissy Mac Curdy 45 |
| 1:14.79 Debbie Flansburg 42 | 2:42.10 Sherry Kittrell 46 | 39.59 Danielle Ogier 45 | 2:59.50 Teri Hendryx 45 |
| 1:14.85 Susan Skiff 43 | 2:43.56 Pam Geiger 45 | 39.63 Christy Hartman 45 | 3:00.90 Prisc Kawakami 47 |
| 1:15.00 Debbie Glassman 44 | 2:44.00 Anne Laborwit 48 | 40.29 A Wright-Belknap 47 | 3:01.94 Debra Doman 45 |
| 1:16.74 Melon Dash 43 | ▪ 400 M. FREESTYLE | 40.94 Elizabeth Cutter 46 | ▪ 400 M. INDIVIDUAL MEDLEY |
| 1:17.05 Laura Worden 40 | 4:56.06 LAURA VAL 97 | 41.23 Meegan Wilson 49 | 5:47.17 DANIELLE OGIER 98 |
| 1:20.64 Beverly Amick 44 | 4:59.29 Jacki Hirsty 45 | 41.25 Krissy Mac Curdy 45 | 5:47.17 Danielle Ogier 45 |
| ▪ 200 M. BUTTERFLY | 4:59.58 Danielle Ogier 45 | 42.74 Jacki Hirsty 45 | 6:11.13 Barbara Dunbar 49 |
| 2:32.59 LAURA VAL 95 | 5:17.88 Barbara Dunbar 49 | 42.90 Mary B Windrath 45 | 6:26.82 Krissy Mac Curdy 45 |
| 2:33.27 Suz Heim-Bowen 40 | 5:19.89 Deb Walker 46 | 43.01 Kathrine Casey 49 | 6:29.63 Prisc Kawakami 47 |
| 2:40.17 Gail Rice 42 | 5:24.24 Prisc Kawakami 47 | ▪ 100 M. BREASTSTROKE | 6:41.39 Cathy Mancino 48 |
| 2:44.79 Debbie Flansburg 42 | 5:26.60 Terry Gault 47 | 1:22.27 SUSAN ROY 94 | 6:41.78 Janet Zann 47 |
| 2:55.24 Laura Worden 40 | 5:32.41 Marcia Barry 49 | 1:25.75 Deb Walker 47 | 6:48.90 Mary Bet Windrath 45 |
| 2:57.88 Melon Dash 43 | 5:39.57 Sherry Kittrell 46 | 1:28.54 Elizabeth Cutter 46 | 6:58.80 Debra A Doman 45 |
| 3:01.66 Debbie Glassman 44 | 5:40.15 Mary B Windrath 45 | 1:28.93 Krissy Mac Curdy 45 | 6:59.53 Pam Geiger 45 |
| 3:03.80 Eileen A Wall 40 | 5:45.30 Diane Rothenberg 45 | 1:29.79 Danielle Ogier 45 | 6:59.90 Kathrine Casey 49 |
| 3:04.33 Joann Harrelson 42 | ▪ 800 M. FREESTYLE | 1:30.53 A Wright-Belknap 47 | |
| 3:05.09 Kathryn Bullock 44 | 10:08.23 LAURA VAL 98 | 1:31.49 Meegan Wilson 49 | <u>WOMEN 50-54</u> |
| 3:07.04 Michele Devitt 41 | 10:08.23 Laura B Val 46 | 1:31.84 Christy Hartman 45 | ▪ 50 M. FREESTYLE |
| ▪ 200 M. INDIVIDUAL MEDLEY | 10:25.87 Danielle Ogier 46 | 1:32.93 Teri Hendryx 45 | 29.33 ARDETH MUELLER 93 |
| 2:38.18 S NEILSON-BELL 96 | 10:40.33 Barbara Dunbar 49 | 1:32.97 Prisc Kawakami 47 | 31.88 Anne Page 50 |
| 2:42.15 S Neilson-Bell 42 | 11:08.52 Terry Gault 47 | 1:34.01 Denise Kirwan 46 | 32.60 F Williamson 50 |
| 2:45.42 Suzan Heim-Bowen 40 | 11:08.54 Jacki Hirsty 45 | ▪ 200 M. BREASTSTROKE | 33.78 Linda McHenry 51 |
| 2:47.76 Charlene O'Brien 41 | 11:13.24 Priscilla Kawakami 49 | 3:01.69 DEB WALKER 97 | 33.84 Mimi Frank 51 |
| 2:48.63 Colette Crabbe 41 | 11:19.26 Marcia Barry 49 | 3:03.28 Deb Walker 47 | 34.29 Lynn Cartee 51 |
| 2:51.70 Bettyann Levine 40 | 11:28.89 Sherry Kittrell 46 | 3:10.45 Danielle Ogier 45 | 34.62 Monika Hunscher 50 |
| 2:51.99 Tracy Grilli 41 | 11:42.67 Mary B Windrath 45 | 3:14.96 A Wright-Belknap 47 | 34.67 Sandi Rousseau 50 |
| 2:52.04 Patty Landers 41 | 12:07.78 Pam Geiger 45 | 3:15.20 Elizabeth Cutter 46 | |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | | | | | |
|---------------------------|----|--------------------------|----|----------------------------|----|----------------------------|----|
| 34.75 Sally Dillon | 51 | 1:31.17 Mary Pohlmann | 53 | 1:38.12 Alice Zabudsky | 53 | * 400 M. FREESTYLE | |
| 34.84 Jan Levinrad | 51 | 1:31.50 Jeannie Mitchell | 51 | 1:46.32 Nancy Kranpitz | 53 | 5:25.59 ARDETH MUELLER | 97 |
| 34.88 Jackie Quattro | 50 | 1:32.46 Andrea Haines | 50 | 1:47.71 Barbara Larsen | 51 | 5:44.56 Nancy Ridout | 56 |
| * 100 M. FREESTYLE | | 1:33.88 Christie Hayes | 50 | * 200 M. BUTTERFLY | | 5:52.99 Jackie Marr | 55 |
| 1:07.42 ARDETH MUELLER | 92 | 1:34.23 Monika Hunscher | 50 | 2:49.53 ARDETH MUELLER | 91 | 6:12.25 Jayne Lambke | 59 |
| 1:10.25 F Williamson | 50 | 1:34.47 Chris S Weber | 50 | 2:59.46 Anne Grams | 51 | 6:14.82 Barbara Frid | 56 |
| 1:13.46 Anne Page | 50 | 1:36.01 Janet Gettling | 50 | 3:14.01 Jean Turner | 50 | 6:33.07 S Calnek-Lillestr | 55 |
| 1:14.25 Jean Turner | 50 | 1:36.60 Alice Adams | 52 | 3:24.90 Ginger Pierson | 52 | 6:40.08 Sue Calnek | 55 |
| 1:16.63 Sally Dillon | 51 | 1:36.91 Sue Yoemans | 50 | 3:31.80 Christine Zimmet | 50 | 6:40.20 Aagje Caron | 57 |
| 1:16.68 Linda McHenry | 51 | * 200 M. BACKSTROKE | | 3:37.05 Margot Pettijohn | 52 | 6:46.17 Joann Leilich | 59 |
| 1:18.21 Sandi Rousseau | 50 | 3:01.07 BETSY JORDAN | 87 | 3:44.55 Barbara Larsen | 51 | 6:46.51 Lynne Lund | 57 |
| 1:18.94 Brigit Edelmaier | 51 | 3:10.44 Mimi Frank | 51 | 3:48.31 Mary Pohlmann | 53 | 6:47.46 Sally Bolar | 59 |
| 1:19.50 Monika Hunscher | 50 | 3:13.23 Mary Pohlmann | 53 | 3:50.46 Marsha Heinig | 52 | * 800 M. FREESTYLE | |
| 1:20.90 Jan Levinrad | 51 | 3:13.88 Christine Zimmet | 50 | 3:52.88 Alice Zabudsky | 53 | 11:15.07 ARDETH MUELLER | 97 |
| 1:21.20 Ruth Bennett | 51 | 3:14.71 Andrea Haines | 50 | 3:59.68 Pamela Himstreet | 54 | 12:24.99 Sarah L Brougner | 56 |
| * 200 M. FREESTYLE | | 3:20.39 Monika Hunscher | 50 | * 200 M. INDIVIDUAL MEDLEY | | 12:49.39 Barbara Frid | 56 |
| 2:29.22 ARDETH MUELLER | 93 | 3:21.21 Chris S Weber | 50 | 2:53.40 CAROLYN BOAK | 95 | 13:32.45 S Calnek-Lillestr | 55 |
| 2:34.74 F Williamson | 50 | 3:21.45 Linda McHenry | 51 | 2:58.52 Anne Grams | 51 | 13:54.42 Lynne Lund | 57 |
| 2:37.47 Anne Grams | 51 | 3:22.09 Jeannie Mitchell | 51 | 3:02.32 Lynn Cartee | 51 | 14:03.34 Joann Leilich | 59 |
| 2:42.71 Jean Turner | 50 | 3:25.77 Ginger Pierson | 52 | 3:06.26 F Williamson | 50 | 14:08.72 Sally Bolar | 59 |
| 2:44.46 Sally Dillon | 51 | 3:30.16 Lynn Cartee | 51 | 3:09.45 Christie Hayes | 50 | 14:36.83 Elizabeth Johnson | 59 |
| 2:46.99 Lynn Cartee | 51 | * 50 M. BREASTSTROKE | | 3:11.00 Mimi Frank | 51 | 15:17.94 Sandy Etnyre | 56 |
| 2:55.16 Brigit Edelmaier | 51 | 39.82 CAROLYN BOAK | 96 | 3:15.50 Chris S Weber | 50 | 15:35.64 Marlee Valderhaug | 56 |
| 2:56.60 Monika Hunscher | 50 | 40.20 Ginger Pierson | 52 | 3:16.73 Ginger Pierson | 52 | 15:54.68 Patricia Arnold | 59 |
| 2:59.19 Ruth Bennett | 51 | 41.42 Margot Pettijohn | 52 | 3:21.48 Alice Zabudsky | 53 | * 1500 M. FREESTYLE | |
| 2:59.95 Sandi Rousseau | 50 | 41.94 Christie Hayes | 50 | 3:25.62 Alice Adams | 51 | 21:09.91 ARDETH MUELLER | 97 |
| 3:00.45 Joanne Menard | 50 | 42.00 Lynn Cartee | 51 | 3:25.71 Daniela Barnea | 54 | 25:00.82 Jayne Lambke | 58 |
| * 400 M. FREESTYLE | | 42.98 Daniela Barnea | 54 | * 400 M. INDIVIDUAL MEDLEY | | 25:59.12 Elaine Bromwich | 55 |
| 5:16.62 ARDETH MUELLER | 91 | 44.09 Hitoko Kerkhof | 50 | 6:12.08 ARDETH MUELLER | 92 | 26:08.81 Lynne Lund | 57 |
| 5:32.69 F Williamson | 50 | 44.36 Janet Gettling | 50 | 6:45.87 Christie Hayes | 50 | 26:45.64 Susan Livingston | 59 |
| 5:40.79 Anne Grams | 51 | 44.81 Chris Clum | 52 | 6:48.24 Lynn Cartee | 51 | 27:02.30 Sally Bolar | 59 |
| 5:47.79 Jean Turner | 50 | 44.83 Rosemarie Green | 50 | 6:54.47 Chris S Weber | 50 | 27:15.96 Elizabeth Johnson | 59 |
| 5:54.02 Sally Dillon | 51 | 46.26 Alice Adams | 51 | 6:55.14 Anne Page | 50 | 28:39.41 Jeannine E Olson | 58 |
| 5:58.46 Christie Hayes | 50 | * 100 M. BREASTSTROKE | | 7:06.62 Ginger Pierson | 52 | 28:40.65 Sandy Etnyre | 56 |
| 6:04.60 Anne Page | 50 | 1:28.83 JOANN LEILICH | 90 | 7:09.40 Mary Pohlmann | 53 | 28:59.65 Marilyn Ramey | 58 |
| 6:05.06 Lynn Cartee | 51 | 1:32.62 Christie Hayes | 50 | 7:10.00 Alice Zabudsky | 53 | 29:32.46 Patricia Arnold | 59 |
| 6:09.60 Mary Pohlmann | 53 | 1:33.39 Ginger Pierson | 52 | 7:12.54 Christine Zimmet | 50 | * 50 M. BACKSTROKE | |
| 6:25.96 Judy Gillies | 50 | 1:34.58 Daniela Barnea | 54 | 7:30.27 Andrea Haines | 50 | 37.30 BETSY JORDAN | 92 |
| 6:26.44 Vicki Buccino | 52 | 1:35.16 Margot Pettijohn | 52 | 7:34.30 Alice Adams | 51 | 39.72 Betty Bennett | 55 |
| * 800 M. FREESTYLE | | 1:36.83 Lynn Cartee | 51 | | | 40.37 Anna Ragaz | 55 |
| 10:58.47 ARDETH MUELLER | 91 | 1:37.65 Hitoko Kerkhof | 50 | WOMEN 55-59 | | 41.30 Barbara Frid | 56 |
| 11:22.29 F Williamson | 50 | 1:39.15 Christine Clum | 52 | | | 42.32 Jackie Marr | 55 |
| 11:48.77 Jean Turner | 50 | 1:39.33 Alice Adams | 52 | * 50 M. FREESTYLE | | 43.91 Pinky Walker | 55 |
| 12:03.84 Sally Dillon | 51 | 1:39.33 F Williamson | 50 | 30.83 ARDETH MUELLER | 97 | 44.46 Phylis Ward | 55 |
| 12:19.86 Christine Zimmet | 50 | 1:40.36 Janet Gettling | 50 | 31.09 Nancy Ridout | 56 | 44.54 Lynne Lund | 57 |
| 12:29.90 Anne Page | 50 | * 200 M. BREASTSTROKE | | 32.59 Jackie Marr | 55 | 45.90 Nancy Brooks | 55 |
| 12:39.10 Mary Pohlmann | 53 | 3:15.41 CAROLYN BOAK | 95 | 34.16 Phylis Ward | 55 | 46.66 Betsy Durrant | 56 |
| 13:07.59 Judy Gillies | 50 | 3:22.76 Margot Pettijohn | 52 | 34.43 Barbara Frid | 56 | 47.57 Susan Livingston | 59 |
| 13:09.60 Monika Hunscher | 50 | 3:23.12 Christie Hayes | 50 | 34.52 Anna Ragaz | 55 | * 100 M. BACKSTROKE | |
| 13:16.14 Susan J Allen | 53 | 3:24.24 Daniela Barnea | 54 | 34.86 Jayne Lambke | 59 | 1:21.42 BETSY JORDAN | 92 |
| 13:27.39 Pamela Himstreet | 54 | 3:27.57 Ginger Pierson | 52 | 35.00 Beth Schreiner | 57 | 1:27.33 Betty Bennett | 55 |
| * 1500 M. FREESTYLE | | 3:28.10 Hitoko Kerkhof | 50 | 36.55 Nancy Brooks | 55 | 1:31.86 Barbara Frid | 56 |
| 21:02.46 ARDETH MUELLER | 91 | 3:36.15 Alice Adams | 51 | 36.66 Susan Meyers | 56 | 1:34.05 Susan Peterson | 55 |
| 22:43.97 Sally Dillon | 51 | 3:38.82 Christine Clum | 52 | 36.66 S Calnek-Lillestr | 55 | 1:35.72 Phylis Ward | 55 |
| 22:48.92 Suzanne Dills | 53 | 3:46.99 Janit Romayko | 53 | * 100 M. FREESTYLE | | 1:38.46 Lynne Lund | 57 |
| 23:29.66 Lynn Cartee | 51 | 3:48.94 Pamela Himstreet | 54 | 1:11.18 ARDETH MUELLER | 97 | 1:38.59 Betsy Durrant | 56 |
| 23:31.06 Anne Page | 50 | 3:49.26 Jackie Quattro | 50 | 1:11.80 Nancy Ridout | 56 | 1:38.71 Pinky Walker | 55 |
| 23:48.34 Christie Hayes | 50 | * 50 M. BUTTERFLY | | 1:11.95 Jackie Marr | 55 | 1:44.08 Susan Livingston | 59 |
| 24:11.43 Mary Pohlmann | 53 | 31.69 ARDETH MUELLER | 93 | 1:17.37 Jayne Lambke | 59 | 1:45.11 Susan Meyers | 56 |
| 24:27.59 Joanne Menard | 50 | 34.24 Anne Grams | 51 | 1:19.77 Barbara Frid | 57 | 1:47.02 Jayne Lambke | 58 |
| 25:02.96 Vicki Buccino | 52 | 36.11 Anne Page | 50 | 1:20.50 Phylis Ward | 55 | * 200 M. BACKSTROKE | |
| 25:29.36 Judy Gillies | 50 | 36.14 Sandi Rousseau | 50 | 1:22.81 Anna Ragaz | 55 | 2:59.18 BETSY JORDAN | 92 |
| 25:31.55 Betty Veater | 52 | 38.47 Alice Zabudsky | 53 | 1:23.95 Susan Meyers | 56 | 3:09.41 Betty Bennett | 55 |
| * 50 M. BACKSTROKE | | 38.88 Margot Pettijohn | 52 | 1:25.15 Lynne Lund | 57 | 3:13.60 Sarah L Brougner | 56 |
| 37.62 BETSY JORDAN | 91 | 38.93 Brigit Edelmaier | 51 | 1:25.20 Beth Schreiner | 57 | 3:25.79 Phylis Ward | 55 |
| 37.88 Mimi Frank | 51 | 40.41 Ginger Pierson | 52 | 1:25.62 S Calnek-Lillestr | 55 | 3:30.56 Barbara Frid | 57 |
| 41.08 Jeannie Mitchell | 51 | 40.44 Daniela Barnea | 54 | * 200 M. FREESTYLE | | 3:31.83 Betsy Durrant | 56 |
| 41.89 Mary Pohlmann | 53 | 40.57 Joanne Menard | 50 | 2:34.88 ARDETH MUELLER | 97 | 3:32.26 Lynne Lund | 58 |
| 42.05 Janet Gettling | 50 | 41.03 Jan Levinrad | 51 | 2:41.63 Nancy Ridout | 56 | 3:42.47 Susan Livingston | 59 |
| 42.14 Andrea Haines | 50 | * 100 M. BUTTERFLY | | 2:44.53 Jackie Marr | 55 | 4:00.63 Roberta Braden | 56 |
| 42.78 Jan Levinrad | 51 | 1:13.86 ARDETH MUELLER | 93 | 2:53.03 Jayne Lambke | 59 | 4:05.74 Marilyn Ramey | 58 |
| 42.81 Alice Adams | 51 | 1:17.18 Anne Grams | 51 | 3:02.84 Betty Bennett | 55 | 4:05.76 Roswita Norris | 56 |
| 42.87 Brigit Edelmaier | 51 | 1:25.31 Jean Turner | 50 | 3:12.75 Lynne Lund | 57 | * 50 M. BREASTSTROKE | |
| 43.47 Carol Adams | 54 | 1:30.63 Sandi Rousseau | 50 | 3:15.06 Sue Calnek | 55 | 39.91 JAYNE BRUNER | 91 |
| 44.21 Linda McHenry | 51 | 1:32.54 Jan Levinrad | 51 | 3:18.97 Beth Schreiner | 57 | 40.98 Joann Leilich | 59 |
| * 100 M. BACKSTROKE | | 1:32.64 Ginger Pierson | 52 | 3:20.35 Susan Meyers | 56 | 44.75 Nancy Brooks | 55 |
| 1:23.29 BETSY JORDAN | 91 | 1:33.35 Margot Pettijohn | 52 | 3:24.78 Marie Mainville | 57 | 46.05 Jackie Marr | 55 |
| 1:27.03 Mimi Frank | 51 | 1:35.54 Chris S Weber | 50 | 3:27.41 Barbara Matorin | 59 | 46.20 Dorothy Burke | 58 |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | |
|------------------------------|-------------------------------|-------------------------------|-----------------------------|
| 46.52 Betsy Durrant 56 | ▪ 400 M. INDIVIDUAL MEDLEY | 25:56.18 Betsy Jordan 61 | 4:07.83 Doris Prokopi 62 |
| 48.20 Elaine Bromwich 55 | 6:42.05 GAIL ROPER 85 | 26:50.47 Ronnie Kamphausen 64 | 4:08.17 Jean Sterling 61 |
| 48.45 Susan Meyers 56 | 6:50.60 Jackie Marr 55 | 26:54.10 Kati Knight-Perry 63 | 4:21.75 Barbara Zaremski 61 |
| 48.98 Betty Bennett 55 | 7:00.39 Betty Bennett 55 | 27:07.00 Barbara Zaremski 61 | ▪ 50 M. BUTTERFLY |
| 49.95 Lynne Lund 57 | 7:23.70 Lynne Lund 58 | 27:50.72 Donna Monroe 64 | 38.10 JAYNE BRUNER 94 |
| 50.32 Carolyn Haefner 58 | 7:32.45 Jayne Lambke 58 | 28:08.57 Shirley Dacey 61 | 40.05 Jayne Bruner 64 |
| ▪ 100 M. BREASTSTROKE | 7:40.58 Dorothy Burke 58 | 28:39.46 Tanako Hagiwara 60 | 41.39 Ann Kay 64 |
| 1:29.88 JAYNE BRUNER 92 | 7:45.27 Susan Livingston 59 | 29:42.34 Sylvia Glenn 60 | 42.56 Jeanne Little 61 |
| 1:34.78 Joann Leilich 59 | 7:46.30 Tita Arnold 56 | 29:45.01 Sandra Kremer 61 | 42.81 Betsy Jordan 61 |
| 1:38.93 Nancy Brooks 55 | 7:49.48 Susan Meyers 56 | ▪ 50 M. BACKSTROKE | 45.38 Margie Heineman 61 |
| 1:39.06 Barbara Frid 56 | 7:53.93 Elizabeth Johnson 59 | 38.76 BETSY JORDAN 97 | 45.89 Beverly Myers 63 |
| 1:40.66 Dorothy Burke 58 | 7:58.98 Sally Bolar 59 | 41.31 Betsy Jordan 61 | 46.44 Ronnie Kamphausen 64 |
| 1:41.21 Jackie Marr 55 | | 45.19 Ann Kay 64 | 47.35 Margit Jebe 60 |
| 1:41.64 Betsy Durrant 56 | <u>WOMEN 60-64</u> | 45.49 Barbara Dillard 60 | 48.17 Norma Powell 64 |
| 1:44.99 Aagje Caron 57 | ▪ 50 M. FREESTYLE | 46.13 Diane Stowell 63 | 48.65 Ernestine Beattie 62 |
| 1:47.57 Elizabeth Johnson 59 | 32.77 JAYNE BRUNER 95 | 46.54 Ann Champ 63 | ▪ 100 M. BUTTERFLY |
| 1:50.13 Lynne Lund 57 | 33.50 Jayne Bruner 64 | 47.23 Susan Livingston 60 | 1:31.34 JAYNE BRUNER 96 |
| 1:51.66 Carolyn Behse 55 | 34.93 Barbara Zaremski 61 | 47.30 Jody Kennedy 61 | 1:37.88 Jayne Bruner 64 |
| ▪ 200 M. BREASTSTROKE | 36.87 Sally Newell 60 | 47.33 Beverly Myers 63 | 1:43.79 Margit Jebe 60 |
| 3:19.16 JOANN LEILICH 98 | 37.75 Ann Kay 64 | 47.37 Suzanne Robbins 64 | 1:46.21 Betsy Jordan 61 |
| 3:19.16 Joann Leilich 59 | 38.23 Laura Walker 60 | 47.44 Margit Jebe 60 | 1:47.07 Norma Powell 64 |
| 3:35.25 Jackie Marr 55 | 38.82 Patricia Tullman 61 | ▪ 100 M. BACKSTROKE | 1:47.81 Susan Livingston 60 |
| 3:36.62 Nancy Brooks 55 | 39.11 Susanne Schumann 60 | 1:24.45 BETSY JORDAN 97 | 1:55.86 Patricia Tullman 61 |
| 3:41.13 Dorothy Burke 58 | 39.21 Beverly Myers 63 | 1:30.69 Betsy Jordan 61 | 2:01.73 Jeanne Little 61 |
| 3:45.41 Betsy Durrant 56 | 39.43 Betsy Jordan 61 | 1:35.70 Susan Livingston 60 | 2:04.20 Janet Moeller 63 |
| 3:48.05 Elizabeth Johnson 59 | 39.86 Jody Kennedy 61 | 1:40.35 Ann Kay 64 | 2:07.53 Barbara Zaremski 61 |
| 3:49.25 Aagje Caron 57 | ▪ 100 M. FREESTYLE | 1:43.74 Beverly Myers 63 | 2:10.12 Barbra Love 61 |
| 3:49.50 Susan Meyers 56 | 1:14.69 JAYNE BRUNER 94 | 1:43.74 Margit Jebe 60 | ▪ 200 M. BUTTERFLY |
| 3:53.53 Carolyn Behse 55 | 1:19.76 Jayne Bruner 64 | 1:44.76 Barbara Dillard 60 | 3:32.87 GAIL ROPER 90 |
| 3:57.71 Sandy Etnyre 56 | 1:22.75 Barbara Zaremski 61 | 1:47.59 Barbara Zaremski 61 | 3:47.58 Susan Livingston 60 |
| ▪ 50 M. BUTTERFLY | 1:23.18 Diane Stowell 63 | 1:47.87 Ronnie Kamphausen 64 | 3:51.40 Janice Miller 60 |
| 35.29 GAIL ROPER 85 | 1:24.95 Ann Kay 64 | 1:48.11 Marian Coakley 60 | 4:23.88 Barbara Zaremski 61 |
| 35.77 Sarah L Brougner 56 | 1:25.04 Betsy Jordan 61 | 1:48.56 Patricia Tullman 61 | 4:27.67 Jeanne Little 61 |
| 36.96 Barbara Frid 56 | 1:26.55 Susanne Schumann 60 | ▪ 200 M. BACKSTROKE | 4:39.05 P Tullman 61 |
| 37.79 Jackie Marr 55 | 1:26.63 Jeanne Little 61 | 3:06.23 BETSY JORDAN 97 | 4:50.54 Barbra Love 61 |
| 39.40 Jayne Lambke 59 | 1:27.32 Sally Newell 60 | 3:22.26 Betsy Jordan 61 | 5:21.44 Doris Prokopi 62 |
| 39.70 Lynne Lund 58 | 1:28.72 Margie Heineman 61 | 3:30.30 Susan Livingston 60 | ▪ 200 M. INDIVIDUAL MEDLEY |
| 39.85 Phyllis Ward 55 | 1:28.81 Barbara Dillard 60 | 3:38.55 Ann Kay 64 | 3:15.48 BETSY JORDAN 97 |
| 43.70 Susan Meyers 56 | ▪ 200 M. FREESTYLE | 3:39.30 Beverly Myers 63 | 3:33.50 Margit Jebe 60 |
| 45.93 Sandy Etnyre 56 | 2:43.83 LAVELLE STOINOFF 93 | 3:42.59 Barbara Zaremski 61 | 3:34.08 Betsy Jordan 61 |
| 46.86 Susan Livingston 59 | 2:59.61 Betsy Jordan 61 | 3:43.84 Barbara Dillard 60 | 3:36.29 Beverly Myers 63 |
| 47.05 Tita Arnold 56 | 3:02.89 Diane Stowell 64 | 3:44.49 Margit Jebe 60 | 3:42.30 Janice Miller 60 |
| ▪ 100 M. BUTTERFLY | 3:05.08 Jayne Bruner 64 | 3:55.44 Shirley Dacey 61 | 3:46.95 Norma Powell 64 |
| 1:21.91 ARDETH MUELLER 97 | 3:08.80 Barbara Zaremski 61 | 4:03.99 Suzanne Robbins 64 | 4:07.97 Ruth Stavis 61 |
| 1:24.32 Nancy Ridout 56 | 3:13.83 Ronnie Kamphausen 64 | 4:10.25 Doris Prokopi 62 | 4:09.00 Jean Sterling 61 |
| 1:35.59 Lynne Lund 58 | 3:14.69 Ann Kay 64 | ▪ 50 M. BREASTSTROKE | 4:12.93 Janet Moeller 63 |
| 1:39.17 Jayne Lambke 59 | 3:17.09 Margie Heineman 61 | 41.43 JAYNE BRUNER 98 | 4:14.61 Jean Garbus 64 |
| 1:40.02 Jackie Marr 55 | 3:17.67 Kati Knight-Perry 63 | 41.43 Jayne Bruner 64 | 4:15.95 Doris Prokopi 62 |
| 1:43.06 Sally Bolar 59 | 3:19.81 Barbara Dillard 60 | 45.46 Sally Newell 60 | ▪ 400 M. INDIVIDUAL MEDLEY |
| 1:46.36 Susan Livingston 59 | 3:21.19 Sally Newell 60 | 48.27 Margit Jebe 60 | 6:59.45 CLARA WALKER 86 |
| 1:51.35 Carolyn Behse 55 | 5:47.52 LAVELLE STOINOFF 93 | 48.43 Jacquelyn Piper 61 | 7:31.48 Susan Livingston 60 |
| 1:51.85 Midge S Kraetzer 59 | 6:17.16 Diane Stowell 63 | 48.61 Margie Heineman 61 | 7:54.81 Barbara Zaremski 61 |
| 1:55.67 Aagje Caron 57 | 6:22.48 Betsy Jordan 61 | 49.25 Beverly Myers 63 | 7:55.99 Janice Miller 60 |
| 2:00.34 Susan Meyers 56 | 6:54.63 Kati Knight-Perry 63 | 49.42 Doris Prokopi 62 | 8:34.94 Jean Sterling 61 |
| ▪ 200 M. BUTTERFLY | 6:58.77 Ann Kay 64 | 49.48 Norma Powell 64 | 8:48.47 Barbra Love 61 |
| 3:19.84 GAIL ROPER 85 | 6:59.27 Margie Heineman 61 | 49.83 Susanne Schumann 60 | 9:16.18 Shirley Dacey 61 |
| 3:44.47 Lynne Lund 57 | 7:08.68 Patricia Tullman 61 | 51.98 Jean Sterling 61 | |
| 3:49.02 Susan Livingston 59 | 7:12.92 Donna Monroe 64 | ▪ 100 M. BREASTSTROKE | <u>WOMEN 65-69</u> |
| 3:50.95 Sally Bolar 59 | 7:18.38 Jody Kennedy 61 | 1:34.12 JAYNE BRUNER 96 | ▪ 50 M. FREESTYLE |
| 4:02.39 Elizabeth Johnson 59 | 7:25.86 Kate Knight 62 | 1:41.68 Sally Newell 60 | 34.17 GAIL ROPER 96 |
| 4:15.75 Roberta Braden 56 | 7:29.70 Sandra Kremer 62 | 1:43.24 Margit Jebe 60 | 38.61 Lida Gaschke 66 |
| 4:16.51 Aagje Caron 57 | ▪ 800 M. FREESTYLE | 1:44.04 Diane Stowell 63 | 40.84 Barbara Jackson 68 |
| 4:24.84 Susan Meyers 56 | 12:01.79 LAVELLE STOINOFF 94 | 1:47.68 Beverly Myers 63 | 40.91 Nancy Macbeth 69 |
| 4:33.54 Ingrid Stine 59 | 13:20.29 Susan Bradley-Cox 60 | 1:48.06 Norma Powell 64 | 41.50 Barbara Callison 65 |
| 4:41.09 Lynne De Victoria 56 | 14:07.41 Kati Knight-Perry 63 | 1:49.73 Jacquelyn Piper 61 | 41.82 Carol Ferguson 66 |
| 4:47.54 Helen Geoffrin 59 | 14:16.90 Janice Miller 60 | 1:50.56 Susanne Schumann 60 | 42.76 Nancy Meissner 65 |
| ▪ 200 M. INDIVIDUAL MEDLEY | 14:25.71 Barbara Zaremski 61 | 1:51.36 Betsy Jordan 61 | 43.42 Gay Collins 68 |
| 3:06.11 JAYNE BRUNER 92 | 14:25.93 Donna Monroe 64 | 1:51.68 Jean Sterling 61 | 43.78 Joan Campbell 67 |
| 3:07.96 Jackie Marr 55 | 14:44.56 Ann Kay 64 | 1:53.02 Margie Heineman 61 | 44.98 Jacqueline Dunlop 67 |
| 3:21.64 Betty Bennett 55 | 15:12.08 Shirley Dacey 61 | ▪ 200 M. BACKSTROKE | 45.59 Anna May Cona 67 |
| 3:26.40 Joann Leilich 59 | 16:33.86 Beverley Tucker 63 | 3:34.21 JAYNE BRUNER 96 | |
| 3:27.92 Lynne Lund 57 | 18:20.28 Judy Davis 63 | 3:43.27 Sally Newell 60 | ▪ 100 M. FREESTYLE |
| 3:33.81 Susan Meyers 56 | 22:44.80 Kay Martin 61 | 3:43.28 Margit Jebe 60 | 1:16.84 CLARA WALKER 92 |
| 3:37.89 Betsy Durrant 56 | ▪ 1500 M. FREESTYLE | 3:49.34 Beverly Myers 63 | 1:20.10 Lavelle Stoinoff 65 |
| 3:39.90 Dorothy Burke 58 | 22:50.81 LAVELLE STOINOFF 95 | 4:02.13 Janice Miller 60 | 1:28.89 Lida Gaschke 66 |
| 3:42.30 Sandy Etnyre 56 | 25:10.66 Susan Bradley-Cox 60 | 4:02.60 Susanne Schumann 60 | 1:32.93 Barbara Callison 65 |
| 3:55.80 Elizabeth Johnson 59 | | 4:03.90 Jacquelyn Piper 61 | 1:35.42 Ann Hirsch 67 |
| 3:56.62 Roberta Braden 56 | | 4:05.83 Margie Heineman 61 | 1:38.48 Malchia Olshan 67 |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

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| 1:39.34 Gay Collins 68 | 3:16.02 LAVELLE STOINOFF 98 | 6:18.59 Mary Williams 66 | 13:28.02 June Krauser 72 |
| 1:40.17 Carol Ferguson 66 | 3:16.02 Lavelle Stoinoff 65 | • 200 M. INDIVIDUAL MEDLEY | 15:26.74 Edie Gruender 70 |
| 1:41.89 Joan Campbell 67 | 3:49.17 Barbara Jackson 68 | 3:19.01 CLARA WALKER 91 | 16:03.60 Lois Nochman 73 |
| 1:42.38 Ardis Bourland 65 | 3:52.46 Nancy Macbeth 69 | 3:42.66 Ann Hirsch 67 | 16:04.72 Betty Russ 71 |
| 1:42.85 Joan E Alexander 66 | 3:56.61 Ann M Hirsch 67 | 3:50.87 Nancy Macbeth 69 | 16:15.36 Grace Altus 74 |
| • 200 M. FREESTYLE | 3:59.34 Caroline Coleman 68 | 3:58.04 Barbara Callison 65 | 16:39.23 Anita L Hazen 70 |
| 2:48.51 CLARA WALKER 92 | 4:00.24 Phillis Wilson 65 | 4:05.68 Edie Gruender 69 | 17:08.35 Florence Carr 72 |
| 2:54.02 Lavelle Stoinoff 65 | 4:05.42 Mary Mullins 67 | 4:09.91 Joan Campbell 68 | 17:52.34 Marian Wolle 70 |
| 3:18.96 Ann M Hirsch 67 | 4:10.26 Jill Coleman 68 | 4:10.48 Nancy Durstein 68 | 18:00.46 Betsy Austen 71 |
| 3:21.30 Lida Gaschke 66 | 4:10.79 Joan Campbell 68 | 4:12.44 Joyce Bahler 68 | 18:03.99 D Winniford 73 |
| 3:27.48 Malchia Olshan 67 | 4:13.58 Barbara Allen 65 | 4:13.26 Barbara Owens 68 | • 1500 M. FREESTYLE |
| 3:31.44 Barbara Callison 65 | • 50 M. BREASTSTROKE | 4:17.13 Malchia Olshan 67 | 25:40.43 CLARA WALKER 96 |
| 3:34.31 Joan Campbell 68 | 46.07 CLARA WALKER 93 | 4:17.88 Jill Coleman 68 | 26:22.14 June Krauser 72 |
| 3:36.00 Nancy Durstein 68 | 48.88 Ann Hirsch 67 | • 400 M. INDIVIDUAL MEDLEY | 30:15.74 Lois Nochman 73 |
| 3:54.33 Gay Collins 68 | 49.97 Lavelle Stoinoff 65 | 7:09.69 CLARA WALKER 92 | 30:43.91 Betty Russ 71 |
| 3:55.50 Ruth Farnham 68 | 50.80 Lilly Kron 66 | 8:08.22 Ann M Hirsch 67 | 31:06.02 Ruth Manfredi 74 |
| 3:55.83 Betty T Mc Millan 69 | 54.17 Joyce Bahler 68 | 8:13.87 Nancy Macbeth 69 | 31:22.10 Grace Altus 74 |
| • 400 M. FREESTYLE | 54.69 Joan E Alexander 66 | 8:40.87 Barbara Callison 65 | 31:58.89 Florence Carr 73 |
| 5:54.90 LAVELLE STOINOFF 98 | 55.32 Carol Ferguson 66 | 8:45.58 Joan Campbell 68 | 32:34.58 Anita L Hazen 70 |
| 5:54.90 Lavelle Stoinoff 65 | 55.62 Nancy Macbeth 69 | 8:58.34 Malchia Olshan 67 | 34:59.92 Clara Sotak 73 |
| 6:57.44 Lida Gaschke 66 | 57.33 Hannelore Snyder 68 | 9:14.38 Joyce Bahler 68 | 35:19.23 Nancy Reed 71 |
| 7:04.69 Ann M Hirsch 67 | 57.79 Jacqueline Dunlop 67 | 9:18.31 Nancy Durstein 68 | 35:20.84 Peggy Sanborn 71 |
| 7:12.48 Diane Reed 67 | 59.45 Jill Coleman 68 | 9:19.26 Caroline Coleman 68 | • 50 M. BACKSTROKE |
| 7:19.32 Malchia Olshan 67 | • 100 M. BREASTSTROKE | 9:41.46 Edie Gruender 69 | 42.29 DORIS STEADMAN 96 |
| 7:21.57 Joan Campbell 68 | 1:42.84 CLARA WALKER 91 | 10:53.17 Joan McIntyre 69 | 42.83 Doris Steadman 73 |
| 7:27.36 Barbara Callison 65 | 1:47.38 Ann Hirsch 67 | | 48.92 Regan Kenner 74 |
| 7:30.93 Edie Gruender 69 | 1:52.42 Lilly Kron 66 | WOMEN 70-74 | 49.66 Della Sehorn 71 |
| 7:44.99 Nancy Durstein 68 | 1:59.02 Joan E Alexander 66 | • 50 M. FREESTYLE | 50.58 Betty Lorenzi 71 |
| 7:49.31 Barbara Owens 68 | 1:59.57 Nancy Macbeth 69 | 36.13 CLARA WALKER 96 | 50.97 June Krauser 72 |
| • 800 M. FREESTYLE | 2:01.01 Barbara Callison 65 | 38.50 Jean Troy 71 | 51.78 Asako Maningo 72 |
| 12:23.32 LAVELLE STOINOFF 98 | 2:01.46 Joyce Bahler 68 | 40.36 Florence Carr 73 | 51.80 Edie Gruender 70 |
| 12:23.32 Lavelle Stoinoff 65 | 2:06.78 Jacqueline Dunlop 67 | 41.12 Della Sehorn 71 | 53.28 Florence Carr 72 |
| 14:17.32 Lida Gaschke 66 | 2:10.55 Barbara Owens 68 | 41.26 June Krauser 72 | 54.17 M J Amsbary 73 |
| 14:39.41 Ann M Hirsch 67 | 2:11.93 Joan Campbell 68 | 41.47 Louise Hepner 73 | 54.53 Lois Nochman 73 |
| 15:08.78 Malchia Olshan 67 | 2:12.04 Hannelore Snyder 68 | 44.58 Lois Nochman 73 | • 100 M. BACKSTROKE |
| 15:08.90 Joan Campbell 68 | • 200 M. BREASTSTROKE | 45.54 Suzanne Graham 71 | 1:35.11 DORIS STEADMAN 95 |
| 15:27.25 Edie Gruender 69 | 3:46.00 ANN HIRSCH 96 | 46.24 Asako Maningo 72 | 1:47.41 Regan Kenner 74 |
| 15:36.90 Barbara Callison 65 | 3:50.23 Ann Hirsch 67 | 47.46 Betty Lorenzi 71 | 1:50.10 June Krauser 72 |
| 16:07.60 Nancy Durstein 68 | 3:51.10 Lavelle Stoinoff 65 | 49.22 Grace Altus 74 | 1:51.23 Della Sehorn 71 |
| 16:24.78 Marty Barry 66 | 4:00.41 Lilly Kron 66 | • 100 M. FREESTYLE | 1:51.71 Betty Lorenzi 71 |
| 16:45.68 Ruth Farnham 68 | 4:20.80 Joyce Bahler 68 | 1:21.57 CLARA WALKER 96 | 1:52.39 Edie Gruender 70 |
| • 1500 M. FREESTYLE | 4:25.01 Carol Ferguson 66 | 1:27.89 Jean Troy 71 | 1:57.45 Lois Nochman 73 |
| 23:42.01 LAVELLE STOINOFF 98 | 4:25.28 Barbara Callison 65 | 1:30.75 June Krauser 72 | 1:58.50 Asako Maningo 72 |
| 23:42.01 Lavelle Stoinoff 65 | 4:30.04 Joan Campbell 68 | 1:30.75 June Krauser 72 | 1:58.67 M J Amsbary 73 |
| 26:57.53 Lida Gaschke 66 | 4:41.07 Hannelore Snyder 68 | 1:34.18 Louise Hepner 73 | 2:06.26 Peggy Sanborn 70 |
| 28:05.14 Malchia Olshan 67 | 4:44.00 Ruth Aaron 69 | 1:35.89 Betty Russ 71 | 2:07.80 Florence Carr 73 |
| 28:51.43 Joan Campbell 68 | 4:54.24 Nancy Durstein 68 | 1:37.87 Florence Carr 73 | • 200 M. BACKSTROKE |
| 30:50.95 Nancy Durstein 68 | • 50 M. BUTTERFLY | 1:40.68 Asako Maningo 72 | 3:28.69 DORIS STEADMAN 95 |
| 31:10.21 Betty T Mc Millan 69 | 39.18 GAIL ROPER 96 | 1:40.85 Lois Nochman 73 | 3:49.58 June Krauser 72 |
| 31:30.95 Marty Barry 65 | 47.05 Barbara Callison 65 | 1:42.34 Suzanne Graham 71 | 3:51.10 Regan Kenner 74 |
| 33:04.84 Ruth Farnham 68 | 48.98 Edie Gruender 69 | 1:42.77 Betty Lorenzi 71 | 4:01.42 Della Sehorn 71 |
| 33:40.17 Barbara Allen 65 | 49.80 Ann Hirsch 67 | 1:50.30 Anita L Hazen 70 | 4:03.57 Betty Lorenzi 71 |
| 33:40.44 Mary Lou Mitchell 67 | 49.94 Nancy Macbeth 69 | • 200 M. FREESTYLE | 4:10.36 Edie Gruender 70 |
| • 50 M. BACKSTROKE | 50.40 Joan E Alexander 66 | 3:04.56 CLARA WALKER 96 | 4:16.15 Florence Carr 73 |
| 39.85 CLARA WALKER 92 | 55.45 Phillis Wilson 65 | 3:09.59 June Krauser 72 | 4:16.88 Asako Maningo 72 |
| 46.03 Lavelle Stoinoff 65 | 56.04 Gay Collins 68 | 3:10.43 Jean Troy 71 | 4:24.21 Lois Nochman 73 |
| 46.43 Barbara Jackson 68 | 57.96 Malchia Olshan 67 | 3:28.24 Edie Gruender 70 | 4:24.30 Peggy Sanborn 71 |
| 48.59 Ann Hirsch 67 | 58.21 Nancy Durstein 68 | 3:36.21 Betty Russ 71 | 4:30.30 Estelle Shuer 71 |
| 49.93 Ardis Bourland 65 | 58.97 Ruth Hoskinson 68 | 3:38.25 Della M Sehorn 71 | • 50 M. BREASTSTROKE |
| 50.94 Carol Taylor 69 | • 100 M. BUTTERFLY | 3:41.78 Betty Lorenzi 71 | 50.08 BETTY CHRISTIAN 92 |
| 51.37 Barbara Allen 65 | 1:36.68 GAIL ROPER 96 | 3:49.36 Ruth Manfredi 74 | 52.03 Regan Kenner 74 |
| 51.57 Phillis Wilson 65 | 1:50.31 Ann Hirsch 67 | 3:50.30 Lois Nochman 73 | 54.08 M J Amsbary 73 |
| 51.70 Nancy Macbeth 69 | 2:01.36 Nancy Macbeth 69 | 3:55.05 Florence Carr 73 | 54.34 June Krauser 72 |
| 52.84 Mary Mullins 67 | 2:02.13 Barbara Callison 65 | 3:56.48 Asako Maningo 72 | 55.68 Louise Hepner 73 |
| 53.10 Jill Coleman 68 | 2:07.09 Caroline Coleman 68 | • 400 M. FREESTYLE | 58.47 Jean Troy 71 |
| • 100 M. BACKSTROKE | 2:09.39 Jill Coleman 68 | 6:33.15 CLARA WALKER 96 | 58.80 Maggie Mors 72 |
| 1:30.97 CLARA WALKER 91 | 2:11.47 Malchia Olshan 67 | 6:36.63 June Krauser 72 | 59.82 Suzanne Graham 71 |
| 1:36.58 Lavelle Stoinoff 65 | 2:13.99 Joan Campbell 68 | 6:55.22 Jean Troy 71 | 1:00.91 Della M Sehorn 71 |
| 1:43.16 Barbara Jackson 68 | 2:31.19 M Hagan 69 | 7:24.44 Maxine Smith 74 | 1:01.00 Lois Nochman 73 |
| 1:49.00 Nancy Macbeth 69 | 2:33.97 Nancy Meissner 65 | 7:32.38 Betty Russ 71 | 1:02.98 Florence Carr 72 |
| 1:50.39 Ann M Hirsch 67 | 2:43.19 Mary Williams 66 | 7:40.33 Edie Gruender 70 | • 100 M. BREASTSTROKE |
| 1:53.96 Mary Mullins 67 | • 200 M. BUTTERFLY | 7:54.58 Lois Nochman 73 | 1:52.88 BETTY CHRISTIAN 92 |
| 1:54.60 Caroline Coleman 68 | 3:36.25 JUNE KRAUSER 94 | 7:55.18 Ruth Manfredi 74 | 1:58.81 Regan Kenner 74 |
| 1:55.45 Nancy Durstein 68 | 4:08.41 Ann M Hirsch 67 | 8:08.61 Grace Altus 74 | 2:00.78 June Krauser 72 |
| 1:56.09 Jill Coleman 68 | 4:37.29 Joan Campbell 68 | 8:19.80 Anita L Hazen 70 | 2:04.98 M J Amsbary 73 |
| 1:56.19 Edie Gruender 69 | 4:45.84 Malchia Olshan 67 | 8:20.83 Fay Beck 71 | 2:08.58 Louise Hepner 73 |
| 1:58.30 Barbara Allen 65 | 5:01.98 Nancy Durstein 68 | • 800 M. FREESTYLE | 2:12.05 Suzanne Graham 71 |
| • 200 M. BACKSTROKE | 5:07.23 Caroline Coleman 68 | 13:15.45 JUNE KRAUSER 96 | 2:15.40 Maggie Mors 72 |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | |
|------------------------------|------------------------------|-----------------------------|------------------------------|
| 2:20.57 Elfriede A Rogers 70 | 41.32 Margery Meyer 75 | 2:14.27 Diana Silva 76 | 5:11.29 Marion Chadwick 76 |
| 2:25.91 Dixie C Germolus 71 | 41.70 Dorothy Donnelly 76 | 2:15.93 June Reynolds 75 | • 200 M. BUTTERFLY |
| 2:26.43 Gladys Olsen 72 | 42.54 Betty Christian 77 | 2:20.24 Norma Bernardi 79 | 4:54.79 MAXINE MERLINO 88 |
| 2:26.62 Estelle Shuer 71 | 42.62 Ruth Baar 75 | 2:20.56 Jean Zulich 78 | 5:12.06 Jae Howell 76 |
| • 200 M. BREASTSTROKE | 45.71 Bunny Cederlund 76 | 2:29.63 A Zydinsky 76 | 5:19.02 Diana Silva 76 |
| 4:04.39 JUNE KRAUSER 96 | 47.37 Marge Bowdon 75 | 2:30.32 Maurine Kornfeld 76 | 5:33.86 June Reynolds 76 |
| 4:06.27 June Krauser 72 | 47.74 Mary Stadig 76 | 2:38.78 Patricia Prevet 77 | 6:15.80 Hildegard Huggins 76 |
| 4:18.18 Regan Kenner 74 | 48.78 J Merryman 75 | 2:40.90 Edith Glusac 79 | 6:52.91 Dorothy Kimmel 77 |
| 4:36.63 Suzanne Graham 71 | 48.86 Diana Silva 76 | • 200 M. BACKSTROKE | 7:53.55 Zada W Taft 79 |
| 4:43.33 Louise Hepner 73 | 48.91 B Burrill 77 | 4:00.78 BUNNY CEDERLUND 97 | 9:00.75 Elfie Stevenin 76 |
| 5:06.87 Gladys Olsen 72 | • 100 M. FREESTYLE | 4:26.54 Bunny Cederlund 76 | • 200 M. INDIVIDUAL MEDLEY |
| 5:06.89 Estelle Shuer 71 | 1:33.25 MARGERY MEYER 98 | 4:27.45 Margery Meyer 75 | 4:25.80 MAXINE MERLINO 87 |
| 5:08.77 Elfriede A Rogers 70 | 1:33.25 Margery Meyer 76 | 4:30.04 Diana Silva 76 | 4:39.30 Dorothy Donnelly 76 |
| 5:08.86 Marian Wolle 70 | 1:38.12 Ruth Baar 75 | 5:03.22 J Merryman 75 | 4:51.98 June Reynolds 75 |
| 5:23.02 Dixie C Germolus 71 | 1:40.33 Dorothy Donnelly 76 | 5:04.39 Jean Zulich 77 | 4:52.55 Muriel Flynn 75 |
| 5:34.43 Pat Dockendorf 71 | 1:44.73 Rita Simonton 79 | 5:04.58 A Zydinsky 76 | 4:57.87 Diana Silva 76 |
| • 50 M. BUTTERFLY | 1:49.06 Bunny Cederlund 76 | 5:22.42 Maurine Kornfeld 76 | 4:58.75 Marge Bowdon 75 |
| 44.11 JUNE KRAUSER 97 | 1:50.86 Marjorie Stone 75 | 5:30.68 Mary Wixted 76 | 4:59.32 Jae Howell 75 |
| 46.73 June Krauser 72 | 1:52.43 B Burrill 77 | 5:36.48 Patricia Prevet 77 | 5:15.96 Mary Wixted 76 |
| 50.07 Jean Troy 71 | 1:56.45 Mary Stadig 76 | 5:40.67 Edith Glusac 79 | 5:22.69 Hildegard Huggins 76 |
| 50.34 Edie Gruender 70 | 2:00.04 Betty Kendall 78 | • 50 M. BREASTSTROKE | 5:40.99 Jean Zulich 78 |
| 50.84 Lois Nochman 73 | 2:01.57 Pauline Stangel 76 | 54.12 BETTY CHRISTIAN 98 | 5:43.92 Doris Peters 75 |
| 52.74 Della M Sehorn 71 | • 200 M. FREESTYLE | 54.12 Betty Christian 77 | • 400 M. INDIVIDUAL MEDLEY |
| 53.07 Florence Carr 73 | 3:24.84 MARGERY MEYER 98 | 59.25 Jae Howell 75 | 9:11.23 MAXINE MERLINO 87 |
| 1:03.31 Dixie C Germolus 71 | 3:24.84 Margery Meyer 76 | 1:00.02 Muriel Flynn 75 | 10:03.45 Jae Howell 75 |
| 1:04.01 Grace Altus 74 | 3:46.29 Ruth Baar 75 | 1:00.51 Marjorie Stone 75 | 10:43.85 June Reynolds 76 |
| 1:05.93 Margaret Wells 72 | 3:47.49 Dorothy Donnelly 76 | 1:03.70 Irene Mannix 75 | 12:56.67 Edith Glusac 79 |
| 1:09.01 Gladys Olsen 72 | 3:50.38 Rita Simonton 79 | 1:03.73 Dorothy Donnelly 76 | 14:50.41 Zada Taft 79 |
| • 100 M. BUTTERFLY | 3:55.80 Marjorie Stone 75 | 1:05.61 Rita Simonton 79 | 16:25.90 Elfie Stevenin 76 |
| 1:40.85 JUNE KRAUSER 96 | 4:06.67 Bunny Cederlund 76 | 1:07.89 Pauline Stangel 76 | |
| 1:46.12 June Krauser 72 | 4:10.39 Mary Stadig 76 | 1:07.96 Marge Bowdon 75 | <u>WOMEN 80-84</u> |
| 1:58.92 Betty Russ 71 | 4:10.50 B Burrill 77 | 1:08.72 June Reynolds 76 | • 50 M. FREESTYLE |
| 2:01.33 Lois Nochman 73 | 4:17.10 Maurine Kornfeld 76 | • 100 M. BREASTSTROKE | 45.65 MARJORIE SHARPE 98 |
| 2:01.58 Jean Troy 70 | 4:27.25 Betty Kendall 78 | 2:04.89 BETTY CHRISTIAN 97 | 45.65 Marjorie W Sharpe 81 |
| 2:02.03 Della M Sehorn 71 | • 400 M. FREESTYLE | 2:07.26 Betty Christian 77 | 47.48 Rita Simonton 80 |
| 2:04.09 Edie Gruender 70 | 7:16.82 MARGERY MEYER 98 | 2:12.33 Marjorie Stone 75 | 48.52 Audrey Etienne 82 |
| 2:26.43 Florence Carr 73 | 7:16.82 Margery Meyer 76 | 2:16.15 Muriel Flynn 75 | 52.42 Anne Walker 82 |
| 2:30.33 Marian Wolle 70 | 7:51.14 Rita Simonton 79 | 2:19.08 Jae Howell 75 | 54.11 Margaret Nagle 81 |
| 2:34.99 Gladys Olsen 72 | 8:22.93 Marjorie Stone 75 | 2:24.58 Irene Mannix 75 | 55.62 Kay Schimpf 80 |
| 2:36.39 Margaret Wells 72 | 8:26.39 Bunny Cederlund 76 | 2:24.65 Rita Simonton 79 | 1:01.09 Mary Jane Reeves 81 |
| • 200 M. BUTTERFLY | 8:41.50 Mary Stadig 76 | 2:28.59 Pauline Stangel 76 | 1:02.56 Beth Hanks 82 |
| 3:39.91 JUNE KRAUSER 96 | 8:42.49 B Burrill 77 | 2:29.81 June Reynolds 76 | 1:03.16 Pat Matthiesen 82 |
| 3:55.37 June Krauser 72 | 8:42.80 Muriel Flynn 75 | 2:45.79 Edith Glusac 79 | 1:04.68 Ivy Browne 83 |
| 4:26.46 Betty Russ 71 | 9:08.05 Maurine Kornfeld 76 | 2:54.31 Doris Peters 75 | • 100 M. FREESTYLE |
| 5:15.98 Gladys Olsen 72 | 9:11.93 Dorothy Donnelly 76 | • 200 M. BREASTSTROKE | 1:43.45 MARJORIE SHARPE 97 |
| 5:16.60 Marian Wolle 70 | 9:19.42 Pauline Stangel 76 | 4:29.87 BETTY CHRISTIAN 97 | 1:43.72 Rita Simonton 80 |
| 5:38.47 Margaret Wells 72 | • 800 M. FREESTYLE | 4:34.16 Betty Christian 77 | 1:48.16 Marjorie W Sharpe 81 |
| 5:46.23 Ruth Manfredi 74 | 14:57.03 MARGERY MEYER 98 | 4:57.73 Muriel Flynn 75 | 1:54.84 Audrey Etienne 82 |
| 6:50.69 Gloria M Stupfel 72 | 14:57.03 Margery Meyer 76 | 5:06.66 Rita Simonton 79 | 2:04.31 Anne Walker 82 |
| • 200 M. INDIVIDUAL MEDLEY | 17:53.77 Maurine Kornfeld 76 | 5:09.54 Jae Howell 75 | 2:08.74 Kay Schimpf 80 |
| 3:35.13 JUNE KRAUSER 96 | 18:52.66 B Burrill 77 | 5:19.27 Irene Mannix 75 | 2:11.95 Margaret Nagle 81 |
| 3:40.92 June Krauser 72 | 20:34.57 Jane Rossell 76 | 5:21.62 Pauline Stangel 76 | 2:12.65 Jean Chenux 84 |
| 4:01.96 Della Sehorn 71 | 21:07.47 Dorothy Kimmel 77 | 5:26.75 June Reynolds 76 | 2:16.44 Mary Jane Reeves 81 |
| 4:05.06 Jean Troy 71 | 23:41.30 Zada W Taft 78 | 5:36.25 Mary Wixted 76 | 2:20.05 Sally Joy 81 |
| 4:14.07 Lois Nochman 73 | 23:58.83 Marion Chadwick 77 | 5:47.12 Edith Glusac 79 | 2:20.62 Pat Matthiesen 82 |
| 4:32.59 Florence Carr 73 | 26:41.72 Elfie Stevenin 76 | 6:27.54 Livia Walker 75 | • 200 M. FREESTYLE |
| 4:41.11 Elfriede A Rogers 70 | • 1500 M. FREESTYLE | • 50 M. BUTTERFLY | 3:44.24 RITA SIMONTON 98 |
| 4:42.54 Marian Wolle 70 | 28:38.34 MARGERY MEYER 98 | 55.38 GERTRUD ZINT 93 | 3:44.24 Rita Simonton 80 |
| 4:42.70 Ruth Manfredi 74 | 28:38.34 Margery Meyer 75 | 1:00.66 Dorothy Donnelly 76 | 4:00.71 Marjorie Sharpe 81 |
| 4:59.10 Grace Altus 74 | 34:52.79 Bunny Cederlund 76 | 1:02.97 June Reynolds 75 | 4:43.00 Jean Chenux 84 |
| 4:59.28 Kathy Dixon 71 | 45:31.05 Zada W Taft 79 | 1:03.87 Diana Silva 76 | 4:46.40 Kay Schimpf 80 |
| • 400 M. INDIVIDUAL MEDLEY | 56:48.08 Elfie Stevenin 76 | 1:07.87 Jae Howell 75 | 4:53.72 Mary Jane Reeves 81 |
| 7:30.91 JUNE KRAUSER 96 | • 50 M. BACKSTROKE | 1:10.50 Jean Zulich 78 | 4:55.74 Margaret Nagle 81 |
| 7:43.32 June Krauser 72 | 46.98 BUNNY CEDERLUND 97 | 1:18.68 Irene Sandahl 77 | 5:25.57 Pat Matthiesen 82 |
| 8:40.71 Betty Russ 71 | 50.06 Bunny Cederlund 76 | 1:24.81 Patricia Prevet 77 | 5:37.82 Mary Lathram 83 |
| 8:43.23 Jean Troy 70 | 51.80 Margery Meyer 75 | 1:27.71 Edith Glusac 79 | 5:51.99 Agnes Romayko 84 |
| 9:00.56 Lois Nochman 73 | 53.60 Betty Christian 77 | 1:27.92 Dorothy Kimmel 77 | 5:56.35 Roberta Sugden 81 |
| 9:06.13 Edie Gruender 70 | 54.67 Marge Bowdon 75 | 1:28.75 Zada W Taft 79 | • 400 M. FREESTYLE |
| 9:43.73 Marian Wolle 70 | 56.06 Dorothy Donnelly 76 | • 100 M. BUTTERFLY | 7:56.31 MARJORIE SHARPE 97 |
| 9:57.22 Elfriede A Rogers 70 | 56.37 J Merryman 75 | 2:19.44 KAY SCHIMPF 92 | 7:57.89 Rita Simonton 80 |
| 10:18.58 Gladys Olsen 72 | 57.88 Diana Silva 76 | 2:26.88 Jae Howell 76 | 8:08.01 Marjorie Sharpe 81 |
| 10:31.36 Margaret Wells 72 | 1:00.64 Jean Zulich 78 | 2:32.03 June Reynolds 76 | 8:58.78 Audrey Etienne 82 |
| 11:07.05 Margaret Menges 72 | 1:01.89 June Reynolds 75 | 2:39.40 Diana Silva 76 | 9:52.25 Anne Walker 82 |
| | 1:04.90 Mary Stadig 76 | 2:51.87 Jean Zulich 77 | 10:05.94 Kay Schimpf 80 |
| | • 100 M. BACKSTROKE | 3:07.41 Edith Glusac 79 | 10:15.27 Jean Chenux 84 |
| | 1:46.70 BUNNY CEDERLUND 97 | 3:13.70 Dorothy Kimmel 77 | 10:36.07 Mary Jane Reeves 81 |
| • 50 M. FREESTYLE | 2:01.64 Bunny Cederlund 76 | 3:52.40 Zada W Taft 79 | 10:43.07 Margaret Nagle 81 |
| 41.32 MARGERY MEYER 98 | 2:02.87 Margery Meyer 75 | 4:08.03 Elfie Stevenin 76 | |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | |
|-------------------------------|------------------------------|-----------------------------|------------------------------|
| 10:59.46 Ivy Browne 83 | 5:30.31 Maria Lenk Zigler 83 | 5:42.32 Eva Muller 85 | 25.81 Kevin Moore 24 |
| 12:09.79 Mary Lathram 83 | 5:58.56 Sally Joy 81 | 6:41.83 Edith Hendry 87 | • 100 M. FREESTYLE |
| • 800 M. FREESTYLE | 6:42.44 Mary Jane Reeves 81 | 7:20.14 Madeleine Miller 87 | 52.88 DAVIS LAWSON 95 |
| 16:05.85 RITA SIMONTON 98 | 7:25.75 Hilda G Buel 84 | • 50 M. BREASTSTROKE | 52.16 Joe Tristan 22NV |
| 16:05.85 Rita Simonton 80 | 9:57.35 Rose Steward 80 | 1:09.85 MARTI GOGNIAT 96 | 54.89 Lee G Wanie 24 |
| 19:44.23 Jean Durston 84 | 10:31.00 Anne Wilder 84 | 1:34.97 Eva Muller 85 | 55.01 Michael Melley 23 |
| 19:58.91 Anne Walker 82 | • 50 M. BUTTERFLY | 1:37.68 Madeleine Miller 87 | 55.86 Toby Wilcox 22 |
| 20:00.12 Kay Schimpf 80 | 1:03.66 MARIA LENK ZIGLER 95 | 1:44.90 Win Kennedy 85 | 56.98 J Armstrong 22 |
| 24:07.38 Mary Lathram 83 | 1:09.20 Maria Lenk Zigler 83 | • 100 M. BREASTSTROKE | 57.35 Marc River 23 |
| 39:30.00 Rose Steward 80 | 1:09.93 Kay Schimpf 80 | 2:39.02 MARTI GOGNIAT 96 | 58.31 Stephen So 23 |
| • 1500 M. FREESTYLE | 1:16.10 Sally Joy 81 | 3:40.87 Madeleine Miller 87 | 58.87 David Hearn 24 |
| 30:54.56 RITA SIMONTON 98 | 1:19.06 Audrey Etienne 82 | 5:09.39 Margot Lenig 86 | 58.96 Tom C Pierce 23 |
| 30:54.56 Rita Simonton 80 | 1:40.08 Roberta Sugden 81 | • 200 M. BREASTSTROKE | 59.01 Timothy Wood 23 |
| 32:12.16 Marjorie W Sharpe 81 | 1:42.72 Pat Matthiesen 82 | 6:08.30 MAXINE MERLINO 97 | • 200 M. FREESTYLE |
| 37:03.23 Maria Lenk Zigler 83 | 2:13.07 Anne Wilder 84 | 8:32.90 Madeleine Miller 87 | 1:56.99 TONY BATIS 89 |
| 45:01.53 Mary Lathram 82 | 2:15.90 Buz Catlin 84 | • 50 M. BUTTERFLY | 1:52.74 Joe Tristan 22NV |
| 67:26.40 Rose Steward 80 | 2:35.49 Rose Steward 80 | 1:13.84 MAXINE MERLINO 97 | 2:00.46 Michael Melley 23 |
| • 50 M. BACKSTROKE | • 100 M. BUTTERFLY | 1:52.09 Win Kennedy 85 | 2:09.26 Alex Fuller 24 |
| 53.84 MARJORIE SHARPE 97 | 2:27.91 JEAN DURSTON 94 | • 100 M. BUTTERFLY | 2:11.56 J Armstrong 22 |
| 57.32 Maria Lenk Zigler 83 | 2:46.96 Jean Durston 84 | 2:59.55 MAXINE MERLINO 97 | 2:12.65 Ryan Ebens 22 |
| 59.15 Anne Walker 82 | • 200 M. BUTTERFLY | 3:24.81 Jewel Cooke 89 | 2:16.96 Chris Connor 23 |
| 1:03.38 Audrey Etienne 82 | 5:24.52 JEAN DURSTON 94 | • 200 M. BUTTERFLY | 2:17.77 David Hughes 23 |
| 1:07.85 Mary Lathram 83 | 6:04.85 Jean Durston 84 | 6:35.26 MAXINE MERLINO 98 | 2:20.49 Chen Cameron 21 |
| 1:11.04 Frances Cichanski 80 | • 200 M. INDIVIDUAL MEDLEY | 6:35.26 Maxine Merlino 86 | 2:20.90 John Diehl 21 |
| 1:14.26 Margaret Nagle 81 | 4:41.09 MARIA LENK ZIGLER 95 | • 200 M. INDIVIDUAL MEDLEY | 2:22.47 John Collins 19 |
| 1:14.29 Kathryn Anson 81 | 5:08.07 Maria Lenk Zigler 83 | 5:27.56 MAXINE MERLINO 97 | • 400 M. FREESTYLE |
| 1:15.99 Ivy V Browne 83 | 5:17.19 Jean Durston 84 | 6:24.76 Jewel Cooke 89 | 4:08.73 BRAD WINSOR 95 |
| 1:16.07 Pat Matthiesen 82 | 5:27.19 Kay Schimpf 80 | 8:04.55 Win Kennedy 85 | 4:17.02 Joe Tristan 22 |
| 1:16.37 Bunny Havlicek 80 | 7:16.44 Hilda G Buel 84 | • 400 M. INDIVIDUAL MEDLEY | 4:19.60 Michael Melley 23 |
| • 100 M. BACKSTROKE | 7:45.43 Roberta Sugden 81 | 11:21.06 MAXINE MERLINO 97 | 4:37.21 Alex Fuller 24 |
| 2:02.15 MARJORIE SHARPE 97 | 9:05.57 Rose Steward 80 | 13:25.03 Jewel Cooke 89 | 4:41.58 Ryan Ebens 22 |
| 2:04.36 Marjorie W Sharpe 81 | • 400 M. INDIVIDUAL MEDLEY | | 4:55.42 Chris Connor 23 |
| 2:11.43 Anne Walker 82 | 10:05.13 MAXINE MERLINO 92 | <u>WOMEN 90-94</u> | 5:03.33 Jason Wening 23 |
| 2:28.42 Audrey Etienne 82 | 11:18.60 Jean Durston 84 | • 50 M. FREESTYLE | 5:14.45 John Collins 19 |
| 2:31.64 Sally Joy 81 | <u>WOMEN 85-89</u> | 55.76 AILEEN SOULE 96 | 5:14.74 Casey Cheung 24 |
| 2:40.53 Mary Lathram 83 | • 50 M. FREESTYLE | NO SWIMMERS | 5:15.68 Jason Disimone 24 |
| 2:46.27 Frances Cichanski 80 | 50.93 JULIA DOLCE 94 | • 100 M. FREESTYLE | 5:23.31 Clinton Fisher 24 |
| 2:49.43 Bunny Havlicek 80 | 1:08.29 Win Kennedy 85 | 2:19.62 AILEEN SOULE 96 | • 800 M. FREESTYLE |
| 2:52.21 Beth Hanks 82 | 1:16.24 Ellen Tait 87 | NO SWIMMERS | 8:47.65 BRAD WINSOR 95 |
| 2:59.01 Ivy Browne 83 | 1:21.01 Edith Hendry 87 | • 200 M. FREESTYLE | 9:02.10 Michael Melley 23 |
| 3:04.51 Mary Brown 80 | 1:26.71 Madeleine Miller 87 | 5:21.55 AILEEN SOULE 96 | 9:48.29 Ryan Ebens 22 |
| • 200 M. BACKSTROKE | 1:35.72 Margot Lenig 86 | NO SWIMMERS | 9:50.47 Alex Fuller 24 |
| 4:30.48 MARJORIE SHARPE 97 | 1:45.65 Betty Dziadus 88 | • 400 M. FREESTYLE | 10:25.53 Chris Connor 23 |
| 4:33.29 Marjorie Sharpe 81 | • 100 M. FREESTYLE | 11:45.66 AILEEN SOULE 97 | 10:30.97 Dalibor Vavra 24 |
| 4:52.82 Anne Walker 82 | 2:00.68 JULIA DOLCE 95 | NO SWIMMERS | 11:32.80 John Argraves 24 |
| 5:17.76 Sally Joy 81 | 2:56.85 Ellen Tait 87 | • 800 M. FREESTYLE | 11:39.60 Andrew C Bozdech 20 |
| 5:38.01 Mary Lathram 83 | 2:59.89 Madeleine Miller 87 | 30:55.09 ANNA BAUSCHER 94 | 15:10.67 Adam Bayliss 22 |
| 6:13.47 Ivy Browne 83 | • 200 M. FREESTYLE | NO SWIMMERS | • 1500 M. FREESTYLE |
| 6:23.58 Bunny Havlicek 80 | 4:44.30 MAXINE MERLINO 97 | 1:03.49 AILEEN SOULE 96 | 17:12.51 JAMES ALLEN 91 |
| 6:34.99 Leola Baumgartner 81 | 6:19.41 Ellen Tait 87 | NO SWIMMERS | 18:39.92 Ryan Ebens 22 |
| 7:11.49 Ada Hebert 82 | 9:07.05 Margot Lenig 86 | • 100 M. BACKSTROKE | 19:35.00 Kevin Moore 24 |
| 8:11.05 Jennie Taylor 80 | • 400 M. FREESTYLE | 2:23.23 AILEEN SOULE 96 | 19:46.96 J Armstrong 22 |
| 8:46.45 Rose Steward 80 | 9:52.14 MAXINE MERLINO 97 | NO SWIMMERS | 19:52.54 Chris Connor 23 |
| • 50 M. BREASTSTROKE | 13:23.02 Ellen Tait 87 | • 200 M. BACKSTROKE | 20:40.22 Clinton Fisher 24 |
| 1:05.10 MAXINE MERLINO 92 | • 800 M. FREESTYLE | 20:45.26 John Collins 19 | 20:45.26 John Collins 19 |
| 1:05.67 Kathryn Anson 81 | 20:11.43 MAXINE MERLINO 97 | 21:02.41 Casey Cheung 24 | 21:02.41 Casey Cheung 24 |
| 1:07.95 Rita Simonton 80 | NO SWIMMERS | 21:26.52 Kakwira Cook 22 | 21:26.52 Kakwira Cook 22 |
| 1:08.22 Sally Joy 81 | • 1500 M. FREESTYLE | 21:44.02 Kelvin Ng 21 | 21:44.02 Kelvin Ng 21 |
| 1:11.50 Kay Schimpf 80 | 38:20.39 MAXINE MERLINO 97 | 22:09.32 John Argraves 24 | 22:09.32 John Argraves 24 |
| 1:22.84 Pat Matthiesen 82 | NO SWIMMERS | • 50 M. BACKSTROKE | 27.43 DAVID LAWSON 95 |
| 1:27.97 Mary Jane Reeves 81 | • 50 M. BACKSTROKE | 30.91 J Armstrong 22 | 30.91 J Armstrong 22 |
| 1:30.62 Hilda G Buel 84 | 58.42 AILEEN SOULE 91 | 30.92 Tom C Pierce 23 | 30.92 Tom C Pierce 23 |
| 1:33.09 Jean Chenaux 84 | 1:14.07 Win Kennedy 85 | 31.18 M Hanneschlager 23 | 31.18 M Hanneschlager 23 |
| 1:44.99 Roberta Sugden 81 | 1:20.19 Edith Hendry 87 | 31.52 Eric Prokopi 23 | 31.52 Eric Prokopi 23 |
| 1:44.99 Anne Wilder 84 | 1:23.46 Madeleine Miller 87 | 31.56 E Schlichenmaier 24 | 31.56 E Schlichenmaier 24 |
| • 100 M. BREASTSTROKE | 1:46.67 Margot Lenig 86 | 31.67 Kenji Sudoh 24 | 31.67 Kenji Sudoh 24 |
| 2:22.79 MAXINE MERLINO 92 | 1:53.09 Betty Dziadus 88 | 31.99 Adam Sagarwala 19 | 31.99 Adam Sagarwala 19 |
| 2:24.06 Rita Simonton 80 | • 100 M. BACKSTROKE | 32.02 Eric Yen 24 | 32.02 Eric Yen 24 |
| 2:36.24 Maria Lenk Zigler 83 | 2:13.13 AILEEN SOULE 91 | 32.58 Chris Horgan 19 | 32.58 Chris Horgan 19 |
| 2:38.47 Sally Joy 81 | 2:37.63 Eva Muller 85 | 33.01 Gregory Croft 19 | 33.01 Gregory Croft 19 |
| 3:04.89 Mary Jane Reeves 81 | 3:10.09 Madeleine Miller 87 | • 100 M. BACKSTROKE | 1:00.37 DAVID LAWSON 95 |
| 3:21.91 Hilda G Buel 84 | 3:11.19 Win Kennedy 85 | 1:02.66 Lee G Wanie 24 | 1:02.66 Lee G Wanie 24 |
| 3:32.98 Jean Chenaux 84 | 3:17.12 Edith Hendry 87 | 1:03.58 Joe Tristan 22 | 1:03.58 Joe Tristan 22 |
| 4:58.36 Rose Steward 80 | 4:14.30 Margot Lenig 86 | 1:05.69 Kevin Moore 24 | 1:05.69 Kevin Moore 24 |
| 6:53.68 Elzena Johnson 83 | • 200 M. BACKSTROKE | 1:07.47 Kenji Sudoh 24 | 1:07.47 Kenji Sudoh 24 |
| • 200 M. BREASTSTROKE | 4:47.82 AILEEN SOULE 91 | 1:09.90 E Schlichenmaier 24 | 1:09.90 E Schlichenmaier 24 |
| 5:06.58 RITA SIMONTON 98 | | | |
| 5:06.58 Rita Simonton 80 | | | |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | | | | | |
|--------------------------|----|----------------------------|----|---------------------------|----|----------------------------|----|
| 1:11.24 Alex Fuller | 24 | 3:22.25 John Argraves | 24 | 9:18.05 Luke Hardy | 28 | 1:12.48 Gregory Latta | 28 |
| 1:13.20 Chris Horgan | 19 | • 200 M. INDIVIDUAL MEDLEY | | 9:19.54 Darren Dutto | 29 | 1:14.09 Scott Tripps | 28 |
| 1:13.42 Travis Jones | 20 | 2:14.08 GREG MACKEM | 92 | 9:28.80 William Smith | 26 | 1:14.31 Mark Harlow | 26 |
| 1:14.97 Mark Schacher | 23 | 2:19.01 Lee G Wanie | 24 | 9:36.20 Stephen Stoneham | 27 | 1:15.73 Scott Thorp | 29 |
| 1:16.03 Ryan Thierbach | 24 | 2:22.49 J Armstrong | 22 | 10:03.77 Craig Dewing | 28 | • 200 M. BREASTSTROKE | |
| • 200 M. BACKSTROKE | | 2:25.79 Timothy Wood | 23 | 10:06.13 Dalibor Vavra | 25 | 2:26.32 ABRAHAM SOLANO | 96 |
| 2:13.60 JOE TRISTAN | 97 | 2:29.69 Eric Prokopi | 23 | 10:12.26 Benjamin Morse | 26 | 2:31.01 Abraham Solano | 28 |
| 2:14.47 Joe Tristan | 22 | 2:30.39 Kenji Sudoh | 24 | 10:14.83 Erik Crankshaw | 26 | 2:31.07 Jonathan Banville | 27 |
| 2:30.40 Kenji Sudoh | 24 | 2:31.54 Alex Fuller | 23 | 10:17.65 Chappie De Haven | 29 | 2:32.10 Rob Butcher | 26 |
| 2:30.43 Alex Fuller | 23 | 2:36.10 Eric Yen | 24 | 10:31.79 Kevin Scott | 28 | 2:33.00 Tony Rezek | 25 |
| 2:53.10 Brad Houston | 23 | 2:38.25 Alexander Reyna | 24 | • 1500 M. FREESTYLE | | 2:33.72 Craig Crawford | 28 |
| 2:54.56 Adam Sagarwala | 19 | 2:38.36 David Hearn | 24 | 16:13.89 ALEX KOSTICH | 97 | 2:49.15 Scott Thorp | 29 |
| 2:59.66 Clinton Fisher | 24 | 2:40.36 Dalibor Vavra | 24 | 18:16.91 Carlos Ochoa | 26 | 2:49.91 Sean West | 29 |
| 3:21.93 Chad Riegle | 23 | • 400 M. INDIVIDUAL MEDLEY | | 18:33.00 Brandon J Carter | 27 | 2:49.97 John Merideth | 27 |
| • 50 M. BREASTSTROKE | | 4:48.56 GREG MACKEM | 92 | 18:59.76 Jeffrey Roddin | 29 | 2:50.44 Brian B Kohlmeier | 29 |
| 30.10 JOSH AMATO | 87 | 5:02.55 Michael Melley | 23 | 19:35.49 Craig Dewing | 28 | 2:50.89 Adam Nehama | 28 |
| 30.54 J Armstrong | 22 | 5:11.44 J Armstrong | 22 | 19:46.82 Ed G Owen | 27 | • 50 M. BUTTERFLY | |
| 31.19 Vladko Drobny | 24 | 5:41.32 Anthony Nardis | 22 | 20:00.85 Stephen Stoneham | 27 | 25.16 DEFORREST/BOTTOM | 84 |
| 32.47 Timothy Wood | 23 | 5:45.73 Patrick Bever | 21 | 20:05.25 Erik Crankshaw | 26 | 25.43 Karney McNear | 28 |
| 33.16 Steven Bergen | 23 | 5:46.01 Dalibor Vavra | 24 | 20:08.01 Kevin Scott | 28 | 26.20 Jeff Murray | 28 |
| 33.61 Nathan Fields | 21 | 5:49.28 Jaron Russon | 23 | 21:25.38 Chris Moss | 29 | 26.26 Curtis Sawin | 26 |
| 33.80 Adam Sagarwala | 19 | 5:49.34 Clinton Fisher | 24 | 21:43.26 Robert Irving | 29 | 26.39 Jason Hansen | 25 |
| 33.84 Shawn Snow | 23 | 6:31.95 Greg Croft | 19 | • 50 M. BACKSTROKE | | 26.86 Marcel Rinzler | 27 |
| 34.74 Stephen So | 23 | 6:35.15 Chris Connor | 22 | 27.42 ROBERT HAUCK | 93 | 26.97 Jeffrey Roddin | 29 |
| 35.79 Alex Fuller | 24 | 7:16.69 John Argraves | 24 | 28.42 Curtis Sawin | 26 | 27.02 J Miller | 25 |
| 35.85 David Hearn | 24 | | | 29.38 Scott Tripps | 28 | 27.18 E Piccinini | 25 |
| • 100 M. BREASTSTROKE | | MEN 25-29 | | 29.40 Jeff Murray | 28 | 27.31 Justin Slade | 25 |
| 1:06.61 JAMES SUROWIEC | 88 | • 50 M. FREESTYLE | | 29.87 Will Lane | 27 | 27.36 Brian August | 27 |
| 1:12.28 Vladko Drobny | 24 | 22.59 KEVIN DEFORREST | 83 | 30.33 Richard Drewelow | 29 | • 100 M. BUTTERFLY | |
| 1:14.94 Steven Bergen | 23 | 23.58 Daniel Summerlin | 26 | 30.45 Corey Carlisle | 27 | 56.34 MICHAEL BOTTOM | 84 |
| 1:14.96 Nathan Fields | 21 | 23.84 Graham Ginn | 26 | 30.58 E Piccinini | 25 | 56.65 Karney McNear | 28 |
| 1:18.38 Anthony Nardis | 22 | 23.93 Jeff Murray | 28 | 30.65 Chappie De Haven | 29 | 57.70 Brian Alderman | 29 |
| 1:18.57 Adam Sagarwala | 19 | 24.77 John Woodworth | 29 | 30.67 Andrew Farrell | 27 | 58.10 Daniel Summerlin | 26 |
| 1:18.92 Jaron Russon | 23 | 24.95 Jason Hansen | 25 | 30.73 Chris Benedict | 27 | 58.24 Curtis Sawin | 26 |
| 1:20.73 Alex Fuller | 23 | 24.96 Scot Raab | 26 | • 100 M. BACKSTROKE | | 58.51 Jeff Murray | 28 |
| 1:20.94 Kenji Sudoh | 24 | 25.41 J Miller | 25 | 58.24 JOHN KEPPELER | 92 | 58.89 William Zolna | 29 |
| 1:21.72 Dalibor Vavra | 24 | 25.66 Brian August | 25 | 1:02.51 Curtis Sawin | 26 | 1:00.57 Kyle Kimball | 27 |
| 1:21.78 Clinton Fisher | 24 | 25.69 Justin Slade | 27 | 1:02.60 Scott Tripps | 28 | 1:00.64 Carlton Devooght | 26 |
| • 200 M. BREASTSTROKE | | 25.71 Corey Carlisle | 27 | 1:03.80 Darren Dutto | 29 | 1:00.94 Eric Mix | 26 |
| 2:29.18 TODD RADEL | 96 | • 100 M. FREESTYLE | | 1:05.42 E Piccinini | 25 | 1:01.19 E Piccinini | 25 |
| 2:51.20 Steven Bergen | 23 | 51.25 JIM MONTGOMERY | 81 | 1:05.50 Chappie De Haven | 29 | • 200 M. BUTTERFLY | |
| 2:55.30 Patrick Bever | 21 | 52.62 Jeff Murray | 28 | 1:05.73 Chris Benedict | 27 | 2:06.88 JIM BELARDI | 82 |
| 2:55.49 Dalibor Vavra | 24 | 54.89 Daniel Summerlin | 26 | 1:05.89 Todd Doherty | 27 | 2:07.56 Karney McNear | 28 |
| 2:55.54 Alex Fuller | 24 | 54.89 Jason Hansen | 25 | 1:06.22 Eric Mix | 26 | 2:11.33 William Zolna | 29 |
| 2:57.22 Adam Sagarwala | 19 | 54.94 Curtis Sawin | 26 | 1:06.24 Will Lane | 27 | 2:13.46 Kyle Kimball | 27 |
| 2:57.78 Clinton Fisher | 24 | 54.98 Graham Ginn | 26 | 1:06.43 Corey Carlisle | 27 | 2:14.56 Carlton Devooght | 26 |
| 3:14.61 Greg Groft | 19 | 55.23 John Woodworth | 29 | • 200 M. BACKSTROKE | | 2:18.33 Daniel Summerlin | 26 |
| 3:29.09 Bobby Anderson | 21 | 55.34 Richard Drewelow | 29 | 2:07.57 JOHN KEPPELER | 92 | 2:22.61 Abraham Solano | 28 |
| 3:33.42 Alex Fernando | 23 | 55.93 Andrew Farrell | 27 | 2:19.16 Marcel Rinzler | 27 | 2:26.21 Stephan Rodiger | 28 |
| • 50 M. BUTTERFLY | | 57.06 Charles Wegner | 27 | 2:22.35 Scott Tripps | 28 | 2:29.08 Erik Hansen | 26 |
| 25.71 DAVID LAWSON | 95 | 57.06 Marcel Rinzler | 27 | 2:23.69 Luke Hardy | 28 | 2:30.63 Bram Tester | 29 |
| 26.12 Soshi Kajiwara | 19 | • 200 M. FREESTYLE | | 2:23.81 Grant Johnston | 25 | 2:30.89 Chad Cummins | 25 |
| 26.58 Toby Wilcox | 22 | 1:51.00 JOHN KEPPELER | 96 | 2:24.52 Eric Mix | 26 | • 200 M. INDIVIDUAL MEDLEY | |
| 27.14 Marc River | 23 | 1:58.55 Jeff Murray | 28 | 2:25.50 Chappie De Haven | 29 | 2:09.21 CAMERON REID | 87 |
| 27.44 Tom C Pierce | 23 | 2:01.36 Richard Drewelow | 29 | 2:26.90 Abraham Solano | 28 | 2:14.21 Daniel Summerlin | 26 |
| 27.59 Vladko Drobny | 24 | 2:04.04 Craig Crawford | 28 | 2:26.95 Andrew Farrell | 27 | 2:16.69 Abraham Solano | 28 |
| 28.08 J Armstrong | 22 | 2:04.09 Bram Tester | 29 | 2:29.48 Carlton Devooght | 26 | 2:16.73 Craig Crawford | 28 |
| 28.38 Cooper Faust | 20 | 2:04.66 Luke Hardy | 28 | 2:30.49 Brian B Kohlmeier | 29 | 2:17.41 William Zolna | 29 |
| 28.47 Eric Yen | 24 | 2:04.76 Andrew Farrell | 27 | • 50 M. BREASTSTROKE | | 2:17.66 Kyle Kimball | 27 |
| 28.78 Stephen So | 23 | 2:05.33 Darren Dutto | 29 | 28.98 SETH VAN NEERDEN | 97 | 2:20.54 Jack Thomas | 26 |
| 28.82 John Diehl | 21 | 2:06.58 Carlos Ochoa | 26 | 30.56 Rob Butcher | 26 | 2:21.82 Carlton Devooght | 26 |
| • 100 M. BUTTERFLY | | 2:07.45 Eric Mix | 26 | 30.64 Tony Rezek | 25 | 2:22.51 Scott Tripps | 28 |
| 57.10 BRAD BUDNEY | 95 | 2:09.09 Brian August | 27 | 30.79 Craig Crawford | 28 | 2:23.48 Darren Dutto | 29 |
| 1:01.28 Toby Wilcox | 22 | • 400 M. FREESTYLE | | 30.83 Jonathan Banville | 27 | 2:23.77 Tony Rezek | 25 |
| 1:03.19 Joe Tristan | 22 | 4:03.63 ALEX KOSTICH | 97 | 31.70 John Kupiec | 28 | • 400 M. INDIVIDUAL MEDLEY | |
| 1:03.87 J Armstrong | 22 | 4:23.04 William Zolna | 29 | 31.93 Todd Doherty | 27 | 4:32.96 ALEX KOSTICH | 97 |
| 1:05.70 Kenji Sudoh | 24 | 4:28.38 Carlos Ochoa | 26 | 32.49 Gregory Latta | 28 | 4:39.97 Alex Kostich | 28 |
| 1:05.84 E Schlichermaier | 24 | 4:28.75 Luke Hardy | 28 | 32.62 Jason Hansen | 25 | 4:54.67 William Zolna | 29 |
| 1:05.99 Alex Fuller | 24 | 4:31.52 Eric Mix | 26 | 32.69 Greg Larson | 29 | 4:59.45 Carlton Devooght | 26 |
| 1:06.05 Shawn Snow | 23 | 4:35.42 Carlton Devooght | 26 | 33.04 Jack Thomas | 26 | 5:00.83 Luke Hardy | 28 |
| 1:07.65 Stephen So | 23 | 4:36.48 Brandon J Carter | 27 | • 100 M. BREASTSTROKE | | 5:02.54 Richard Drewelow | 29 |
| 1:08.09 Steve Brigance | 23 | 4:37.32 Jack Thomas | 26 | 1:04.60 DAVID LUNDBERG | 89 | 5:04.91 Jack Thomas | 26 |
| 1:08.15 John Diehl | 21 | 4:37.69 James L Taschek | 27 | 1:06.56 Rob Butcher | 26 | 5:07.90 Bram Tester | 29 |
| • 200 M. BUTTERFLY | | 4:38.26 William Smith | 26 | 1:08.42 Craig Crawford | 28 | 5:11.12 Craig Crawford | 28 |
| 2:09.39 RY BEVILLE | 95 | 4:39.25 Brian August | 27 | 1:08.54 Tony Rezek | 25 | 5:18.19 Brian B Kohlmeier | 29 |
| 2:31.52 J Armstrong | 22 | • 800 M. FREESTYLE | | 1:09.00 Abraham Solano | 28 | 5:24.60 Sextus Tansinsin | 26 |
| 3:15.33 Clinton Fisher | 24 | 8:24.67 ALEX KOSTICH | 97 | 1:09.97 Jonathan Banville | 27 | | |
| 3:21.24 Chen Cameron | 21 | | | 1:10.61 Todd Doherty | 27 | MEN 30-34 | |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | |
|---|--|--|---|
| <p>• 50 M. FREESTYLE</p> <p>22.80 ROBERT PEEL 96</p> <p>23.27 Todd Pace 30</p> <p>24.20 Keith Kaplan 31</p> <p>24.30 Michael Halfast 32</p> <p>24.70 Keith Anderson 30</p> <p>24.93 Neill Williams 30</p> <p>25.07 Stuart Barton 30</p> <p>25.15 Steve Reed 30</p> <p>25.26 Robert Kabacy 30</p> <p>25.34 Bob Fish 34</p> <p>25.42 Kipp Dye 34</p> <p>• 100 M. FREESTYLE</p> <p>51.50 ROWDY GAINES 91</p> <p>53.96 Keith Kaplan 31</p> <p>54.04 Michael Halfast 32</p> <p>54.19 Keith Anderson 30</p> <p>54.89 Steve Reed 30</p> <p>55.04 Stuart Barton 30</p> <p>55.33 Andrew Edmondson 30</p> <p>55.34 Robert Kabacy 30</p> <p>55.70 Kipp Dye 34</p> <p>56.85 Stuart Cromarty 34</p> <p>57.49 Michael Neal 34</p> <p>• 200 M. FREESTYLE</p> <p>1:50.04 ROWDY GAINES 90</p> <p>2:03.11 Michael Halfast 32</p> <p>2:03.33 Igor Vazhenin 34</p> <p>2:05.18 Andrew Edmondson 30</p> <p>2:06.67 Ted Bockius 31</p> <p>2:07.05 Stuart Barton 30</p> <p>2:07.49 Michael Neal 34</p> <p>2:08.08 Kipp Dye 34</p> <p>2:08.32 Johan Steiner 33</p> <p>2:09.06 Dale Mercker 31</p> <p>2:09.39 Matthew Roth 31</p> <p>• 400 M. FREESTYLE</p> <p>4:07.04 ROWDY GAINES 93</p> <p>4:23.55 Igor Vazhenin 34</p> <p>4:26.46 Douglas Stewart 34</p> <p>4:29.10 Todd Clark 33</p> <p>4:29.97 Stuart Cromarty 34</p> <p>4:32.01 Stephen A Stahl 33</p> <p>4:35.00 Dave Holland 31</p> <p>4:40.02 Ted Bockius 31</p> <p>4:41.78 Dale Mercker 31</p> <p>4:41.90 Michael Hall 31</p> <p>4:44.33 Brian Casey 34</p> <p>• 800 M. FREESTYLE</p> <p>8:40.19 ROWDY GAINES 93</p> <p>9:13.36 Igor Vazhenin 34</p> <p>9:15.86 Douglas Stewart 34</p> <p>9:19.81 Todd Clark 33</p> <p>9:21.32 Stephen A Stahl 33</p> <p>9:36.64 Bruce Hopson 32</p> <p>9:38.03 Kent Johnson 30</p> <p>9:52.26 Brian Casey 34</p> <p>9:53.29 David Kastigar 34</p> <p>9:56.08 Brent Bunnell 34</p> <p>9:56.55 Dave Holland 30</p> <p>• 1500 M. FREESTYLE</p> <p>16:36.06 BOBBY PATTEN 93</p> <p>16:38.24 Jeff Erwin 34</p> <p>17:34.66 Todd Clark 33</p> <p>17:57.47 Stephen A Stahl 33</p> <p>18:19.54 Robert Geise 34</p> <p>18:33.63 Bruce Hopson 32</p> <p>18:38.28 Michael Neal 34</p> <p>18:53.97 Brent Bunnell 34</p> <p>18:58.92 Dale Mercker 31</p> <p>19:12.31 Stuart Cromarty 34</p> <p>19:44.75 Ted Bockius 31</p> <p>• 50 M. BACKSTROKE</p> <p>27.26 SEAN MURPHY 94</p> <p>28.68 Thomas Senn 30</p> <p>29.21 Steve Reed 30</p> <p>29.32 Kipp Dye 34</p> | <p>29.93 Horst Niehaus 30</p> <p>30.22 Robert Kabacy 30</p> <p>30.32 Mike Gonzales 31</p> <p>30.34 Neill Williams 30</p> <p>30.59 Shawn P Jones 31</p> <p>30.69 Michael S Ewalt 33</p> <p>30.87 Jeffrey M Rodgers 31</p> <p>• 100 M. BACKSTROKE</p> <p>58.66 SEAN MURPHY 94</p> <p>1:00.68 Daniel Veatch 33</p> <p>1:02.01 Steve Reed 30</p> <p>1:02.26 Thomas Senn 30</p> <p>1:04.40 Horst Niehaus 30</p> <p>1:04.47 Rob Berry 30</p> <p>1:04.70 Michael S Ewalt 33</p> <p>1:04.74 Mike Gonzales 31</p> <p>1:05.49 Steve Bradshaw 30</p> <p>1:06.18 Tyler Jourdonnais 33</p> <p>1:06.67 Bob Fish 34</p> <p>• 200 M. BACKSTROKE</p> <p>2:05.62 SEAN MURPHY 94</p> <p>2:13.00 Daniel Veatch 33</p> <p>2:19.57 Thomas Senn 30</p> <p>2:22.02 Rob Berry 30</p> <p>2:22.34 Horst Niehaus 30</p> <p>2:26.94 Kurt Dickson 31</p> <p>2:27.35 Bob Fish 34</p> <p>2:29.98 David Kastigar 34</p> <p>2:31.73 Bruce Hopson 32</p> <p>2:32.62 Eric Vahn Wagner 34</p> <p>2:32.81 Brian Hayes 31</p> <p>• 50 M. BREASTSTROKE</p> <p>29.42 DAVID GUTHRIE 92</p> <p>29.54 Seth Van Neerden 30</p> <p>30.27 Todd Pace 30</p> <p>31.85 John Hallman 33</p> <p>31.89 Neill Williams 30</p> <p>32.08 Mark Stori 32</p> <p>32.18 S Van Kuilenburg 33</p> <p>32.22 Sean Frampton 32</p> <p>32.82 Brian Hayes 31</p> <p>32.89 Jason Woo 33</p> <p>33.02 Mike Fitzgerald 32</p> <p>• 100 M. BREASTSTROKE</p> <p>1:05.64 SETH VAN NEERDEN 98</p> <p>1:05.64 Seth Van Neerden 30</p> <p>1:08.79 Neill Williams 30</p> <p>1:11.44 Mark Stori 32</p> <p>1:11.57 S Van Kuilenburg 33</p> <p>1:13.09 Sean Frampton 32</p> <p>1:13.42 Jason Woo 33</p> <p>1:13.89 Brian Hayes 31</p> <p>1:13.91 Dale Mercker 31</p> <p>1:14.23 Mike Fitzgerald 32</p> <p>1:15.00 Mike Perry 31</p> <p>• 200 M. BREASTSTROKE</p> <p>2:24.06 DAVID LUNDBERG 91</p> <p>2:35.56 Mark Stori 32</p> <p>2:37.83 Neill Williams 30</p> <p>2:39.28 S Van Kuilenburg 33</p> <p>2:41.74 Dale Mercker 31</p> <p>2:42.22 Mike Perry 31</p> <p>2:42.37 Brian Hayes 31</p> <p>2:43.94 Jason Woo 33</p> <p>2:45.40 Michael Neal 34</p> <p>2:46.38 Mike Fitzgerald 32</p> <p>2:47.59 John Hallman 33</p> <p>• 50 M. BUTTERFLY</p> <p>25.31 MIKE BOTTOM 88</p> <p>26.22 Keith Anderson 30</p> <p>26.22 Tyler Jourdonnais 33</p> <p>26.38 Keith Kaplan 31</p> <p>26.44 Andrew Edmondson 30</p> <p>26.56 Neill Williams 30</p> <p>26.67 Steve Reed 30</p> <p>26.84 Michael Halfast 32</p> <p>26.85 Robert Kabacy 30</p> <p>26.95 Stuart Barton 30</p> | <p>27.11 Shawn P Jones 31</p> <p>• 100 M. BUTTERFLY</p> <p>56.64 MIKE BOTTOM 88</p> <p>57.65 Steve Reed 30</p> <p>59.53 Stuart Barton 30</p> <p>59.60 Tyler Jourdonnais 33</p> <p>1:00.79 Keith Kaplan 31</p> <p>1:01.25 Igor Vazhenin 34</p> <p>1:01.42 Shawn P Jones 31</p> <p>1:01.69 Dave Holland 31</p> <p>1:02.25 Neill Williams 30</p> <p>1:02.35 Stuart Cromarty 34</p> <p>1:02.66 Thomas Senn 30</p> <p>• 200 M. BUTTERFLY</p> <p>2:03.85 BOBBY PATTEN 95</p> <p>2:17.58 Igor Vazhenin 34</p> <p>2:17.60 Dave Holland 31</p> <p>2:18.03 Bruce Hopson 32</p> <p>2:19.09 Michael Hall 31</p> <p>2:21.12 Todd Clark 33</p> <p>2:21.72 Douglas Stewart 34</p> <p>2:23.44 Johan Steiner 33</p> <p>2:26.27 Gunnar Granquist 33</p> <p>2:27.05 Brian Casey 34</p> <p>2:29.02 Steve Ruiter 33</p> <p>• 200 M. INDIVIDUAL MEDLEY</p> <p>2:09.69 DAVID LUNDBURG 91</p> <p>2:14.19 Daniel Veatch 33</p> <p>2:17.43 Mark Stori 32</p> <p>2:18.84 Michael Halfast 32</p> <p>2:20.39 Neill Williams 30</p> <p>2:21.54 Tyler Jourdonnais 33</p> <p>2:22.10 Johan Steiner 33</p> <p>2:22.68 Rob Berry 30</p> <p>2:24.38 Douglas Stewart 34</p> <p>2:24.38 Ricardo Valdivia 33</p> <p>2:24.44 Horst Niehaus 30</p> <p>• 400 M. INDIVIDUAL MEDLEY</p> <p>4:40.22 SEAN MURPHY 94</p> <p>4:57.20 Mark Stori 32</p> <p>5:00.37 Johan Steiner 33</p> <p>5:04.49 Douglas Stewart 34</p> <p>5:05.31 Todd Clark 33</p> <p>5:08.25 Neill Williams 30</p> <p>5:10.19 Michael Neal 34</p> <p>5:10.99 Michael Hall 31</p> <p>5:15.12 Bruce Hopson 32</p> <p>5:19.71 Steve Ruiter 33</p> <p>5:20.15 Brian Casey 34</p> <p style="text-align: center;">MEN 35-39</p> <p>• 50 M. FREESTYLE</p> <p>24.02 JAMES LILLEY 98</p> <p>24.02 James Lilley 38</p> <p>24.98 James Sorensen 39</p> <p>25.01 Kurt Wienants 36</p> <p>25.06 David Williams 38</p> <p>25.47 Gordon Andrews 38</p> <p>25.53 Alex Bailey 37</p> <p>25.68 Michael Fell 36</p> <p>25.75 Steve George 38</p> <p>25.78 Brian Vaile 36</p> <p>25.78 David Guthrie 38</p> <p>• 100 M. FREESTYLE</p> <p>51.49 ROWDY GAINES 95</p> <p>54.65 James Sorensen 39</p> <p>54.66 James Lilley 38</p> <p>55.62 Kurt Wienants 36</p> <p>55.62 David Williams 38</p> <p>55.81 Michael Fell 36</p> <p>55.94 Andrew O'Hara 39</p> <p>56.33 Gordon Andrews 38</p> <p>56.83 Bruce Hayes 35</p> <p>57.31 Wally Dicks 35</p> <p>57.36 Steve George 38</p> <p>• 200 M. FREESTYLE</p> <p>1:57.68 ROWDY GAINES 94</p> | <p>2:00.32 James Lilley 38</p> <p>2:02.26 Kurt Wienants 36</p> <p>2:02.45 James Sorensen 39</p> <p>2:03.29 David Williams 38</p> <p>2:04.68 Gordon Andrews 38</p> <p>2:05.28 Bobby Patten 35</p> <p>2:06.42 Andrew O'Hara 39</p> <p>2:09.10 Curt La Count 39</p> <p>2:09.23 Jonathan Olsen 35</p> <p>2:09.35 Scott Halliburton 36</p> <p>• 400 M. FREESTYLE</p> <p>4:07.64 ROWDY GAINES 95</p> <p>4:26.48 James Lilley 38</p> <p>4:29.07 Bobby Patten 35</p> <p>4:29.48 Mike Keck 39</p> <p>4:29.91 John Havlik 39</p> <p>4:31.16 Joseph Rhyne 39</p> <p>4:32.52 Gordon Andrews 38</p> <p>4:33.49 Andrew O'Hara 39</p> <p>4:38.41 Christian Rowe 36</p> <p>4:39.83 Mike Reid 37</p> <p>4:39.98 David J Brancamp 36</p> <p>• 800 M. FREESTYLE</p> <p>8:38.73 ROWDY GAINES 95</p> <p>9:25.90 John Havlik 39</p> <p>9:26.77 Joseph Rhyne 39</p> <p>9:33.98 Thomas Mack 39</p> <p>9:37.66 David J Brancamp 36</p> <p>9:50.48 G Butterfield 37</p> <p>10:04.87 Karl Kolb 37</p> <p>10:05.08 Christophe Roth 39</p> <p>10:05.25 Robert Jacobs 35</p> <p>10:09.69 Brian Jackson 35</p> <p>10:14.39 Pat Allender 39</p> <p>• 1500 M. FREESTYLE</p> <p>16:37.34 ROWDY GAINES 94</p> <p>17:32.80 Bob Patten 35</p> <p>18:09.41 Joseph Rhyne 39</p> <p>18:15.35 Thomas Mack 39</p> <p>18:27.21 David J Brancamp 36</p> <p>18:42.98 G Butterfield 37</p> <p>19:06.82 Karl Kolb 37</p> <p>19:07.09 Christian Rowe 36</p> <p>19:09.68 Brian Jackson 35</p> <p>19:11.21 Bill Staebell 36</p> <p>19:11.46 Ron Collins 36</p> <p>• 50 M. BACKSTROKE</p> <p>28.04 THOMPSON MANN 78</p> <p>29.01 David Lundberg 38</p> <p>29.09 Michael Fell 36</p> <p>29.20 Jay Yarid 35</p> <p>29.32 Kipp Dye 35</p> <p>29.33 Curt La Count 39</p> <p>29.48 James Lilley 38</p> <p>30.35 Fritz Lehman 39</p> <p>30.39 Brian Pakkala 36</p> <p>30.42 Kelley Allen 35</p> <p>30.47 Joe Reinhardt 37</p> <p>• 100 M. BACKSTROKE</p> <p>1:00.95 WILLIAM SPECHT 93</p> <p>1:01.52 Jay Yarid 35</p> <p>1:03.00 James Lilley 38</p> <p>1:03.62 Steve George 38</p> <p>1:03.88 Curt La Count 39</p> <p>1:04.73 Michael Fell 36</p> <p>1:04.98 Kelley Allen 35</p> <p>1:05.56 Brian Pakkala 36</p> <p>1:07.31 Fritz Lehman 39</p> <p>1:07.97 Robert Moore 38</p> <p>1:08.15 Courtney Roberts 36</p> <p>• 200 M. BACKSTROKE</p> <p>2:13.83 TOM WOLF 90</p> <p>2:14.47 Jay Yarid 35</p> <p>2:16.03 Peter Berndt 35</p> <p>2:19.61 Steve George 38</p> <p>2:22.21 Michael Fell 36</p> <p>2:23.19 Kelley Allen 35</p> <p>2:24.41 Charlie Johnson 35</p> |
|---|--|--|---|

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | |
|------------------------------|-----------------------------|----------------------------|------------------------------|
| 2:26.15 Gordon Andrews 38 | 2:15.53 James Sorensen 39 | 9:44.36 Neil Wasserman 43 | 1:15.63 Bruce Wencel 43 |
| 2:26.62 Mike Keck 39 | 2:15.84 David Lundberg 37 | 9:45.03 Larry Wood 44 | • 200 M. BREASTSTROKE |
| 2:30.40 Joseph Rhyne 39 | 2:16.62 Peter Berndt 35 | 9:45.58 David Burleson 41 | 2:29.77 RON SCHAFFER 98 |
| 2:32.08 Brian Pakkala 36 | 2:19.54 Kurt Wienants 36 | 9:47.60 Mark Hahn 41 | 2:29.77 Ron Schafer 40 |
| • 50 M. BREASTSTROKE | 2:20.37 Mike Keck 39 | 9:47.97 Larry Black 40 | 2:36.81 David Gray 40 |
| 29.09 WALLY DICKS 98 | 2:21.60 Jay Yarid 35 | 9:52.64 Timothy Kennedy 41 | 2:37.50 Stephen Rode 41 |
| 29.09 Wally Dicks 35 | 2:22.70 Christian Rowe 36 | 9:56.52 Russell Frazier 44 | 2:42.80 William Smiddy 40 |
| 30.05 David Guthrie 38 | 2:22.88 Steve George 38 | • 1500 M. FREESTYLE | 2:45.00 Stuart Corliss 42 |
| 30.47 David Lundberg 38 | 2:23.14 Pat Allender 39 | 16:58.52 HESS YNTEMA 95 | 2:45.68 Bruce Wencel 43 |
| 30.80 Dean Putterman 36 | 2:23.88 Jon Smiley 36 | 17:46.26 Scott Shake 40 | 2:47.85 Mauro Bordovsky 41 |
| 30.93 Robert Jackson 38 | • 400 M. INDIVIDUAL MEDLEY | 18:07.49 Tim Harvey 44 | 2:48.49 Doug Lee 42 |
| 32.25 Plamen Alexandrov 37 | 4:50.27 JEFF STILING 95 | 18:33.87 Neil Wasserman 43 | 2:50.77 John Templin 44 |
| 32.80 Pat Allender 39 | 4:54.32 Peter Berndt 35 | 18:42.08 Larry Wood 44 | 2:52.42 Gennard Lanzara 40 |
| 33.05 Michael Casciato 38 | 5:06.84 Mike Keck 39 | 18:45.66 Jim Stites 40 | • 50 M. BUTTERFLY |
| 33.23 Jan Van Der Sluis 37 | 5:09.97 Christian Rowe 36 | 18:47.16 Jim Callahan 40 | 26.33 WILLIAM SPECHT 98 |
| 33.42 David Holland 39 | 5:11.51 Don Skeoch 35 | 18:56.47 William Hempel 41 | 26.33 William Specht 40 |
| • 100 M. BREASTSTROKE | 5:20.37 Brian Vaile 36 | 19:00.04 Jim Montgomery 43 | 27.07 Tom McCabe 40 |
| 1:05.03 WALLY DICKS 98 | 5:21.27 Jonathan Olsen 35 | 19:00.52 L Meisenheimer 40 | 27.43 Yit Lim 40 |
| 1:05.03 Wally Dicks 35 | 5:23.18 Christophe Roth 39 | 19:01.00 Paul Windrath 44 | 27.53 James Ballard 40 |
| 1:06.21 David Guthrie 38 | 5:26.10 Todd Cooper 35 | • 50 M. BACKSTROKE | 27.83 Scott Findorff 42 |
| 1:07.52 David Lundberg 38 | 5:26.26 Pat Allender 39 | 28.90 WILLIAM SPECHT 98 | 28.11 Bob Buresh 40 |
| 1:11.31 Robert Jackson 38 | 5:26.57 Bill Staebell 36 | 28.90 William Specht 40 | 28.13 Roger Kahn 42 |
| 1:12.22 Pat Allender 39 | | 29.66 James Ballard 40 | 28.13 David Gray 40 |
| 1:12.82 Mark Pohkamp 35 | <u>MEN 40-44</u> | 30.15 Bob Buresh 40 | 28.43 Chris Dixon 40 |
| 1:12.87 Michael Casciato 38 | | 30.23 Scott Shake 40 | 28.50 Casey Smith 40 |
| 1:13.10 Plamen Alexandrov 37 | • 50 M. FREESTYLE | 30.59 Daniel Rogers 40 | • 100 M. BUTTERFLY |
| 1:13.48 David Holland 39 | 24.39 RICK ABBOTT 95 | 30.74 David Burleson 41 | 58.13 WILLIAM SPECHT 98 |
| 1:15.12 Dean Putterman 36 | 24.80 Jack Groselle 44 | 31.47 Peter Metzger 43 | 58.13 William Specht 40 |
| • 200 M. BREASTSTROKE | 25.39 Peter Nunan 40 | 31.52 Scott Findorff 42 | 1:01.41 Stuart Corliss 42 |
| 2:24.37 DAVID GUTHRIE 95 | 25.41 Tom McCabe 40 | 31.77 Casey Clafin 44 | 1:01.43 Bill Glasstetter 40 |
| 2:27.61 David Guthrie 38 | 25.73 John Piecuch 42 | 31.80 Jonathan Klein 40 | 1:02.27 Jack Groselle 44 |
| 2:30.42 David Lundberg 37 | 25.75 Hank Oppenborn 40 | • 100 M. BACKSTROKE | 1:02.28 Tom McCabe 40 |
| 2:36.21 Pat Allender 39 | 25.96 Eric Van Boer 43 | 1:02.48 WILLIAM SPECHT 98 | 1:02.30 Kerry L O'Brien 41 |
| 2:42.84 David Holland 39 | 25.97 Scott Findorff 42 | 1:02.48 William Specht 40 | 1:04.25 Bob Buresh 40 |
| 2:43.33 Dan Rosenthal 38 | 26.02 Yit Lim 40 | 1:04.62 Scott Shake 40 | 1:04.30 Bruce Wencel 43 |
| 2:44.74 Plamen Alexandrov 37 | 26.22 Roger Kahn 42 | 1:05.11 Glenn Patching 40 | 1:04.68 John Craig 44 |
| 2:44.98 Michael Casciato 38 | 26.35 Bob Brown 44 | 1:05.51 Gary Quinn 40 | 1:06.02 Yit Lim 40 |
| 2:45.51 Andrew Brenan 38 | • 100 M. FREESTYLE | 1:05.76 David Burleson 41 | • 200 M. BUTTERFLY |
| 2:46.09 Edmund Gendreau 36 | 53.78 JACK GROSELLE 98 | 1:06.12 Bob Buresh 40 | 2:09.47 WILLIAM SPECHT 98 |
| 2:46.74 Mark Nelson 37 | 53.78 Jack Groselle 44 | 1:07.13 Daniel Rogers 40 | 2:09.47 William Specht 40 |
| • 50 M. BUTTERFLY | 55.42 Peter Nunan 40 | 1:08.24 Andreas Seibt 40 | 2:19.63 Bill Glasstetter 40 |
| 25.93 MICHAEL BOTTOM 93 | 57.16 Tom McCabe 40 | 1:08.62 Jonathan Klein 40 | 2:23.21 Kerry L O'Brien 41 |
| 26.67 Curt La Count 39 | 57.81 Steve Sussex 43 | 1:08.96 Robert Hartford 40 | 2:28.86 Neil Wasserman 43 |
| 26.75 Bobby Patten 35 | 57.81 L Meisenheimer 40 | • 200 M. BACKSTROKE | 2:30.69 Bart Mc Dermott 42 |
| 27.15 James Sorensen 39 | 57.85 Scott Findorff 42 | 2:16.40 WILLIAM SPECHT 98 | 2:31.06 Jeffrey Krongaard 43 |
| 27.16 Kurt Wienants 36 | 57.89 Michael Scott 40 | 2:16.40 William Specht 40 | 2:31.96 Robert Wright 43 |
| 27.24 Brian Pakkala 36 | 59.19 Hank Oppenborn 40 | 2:19.36 Scott Shake 40 | 2:34.38 Jim Stites 40 |
| 27.38 Robert Placak 39 | 59.20 Jim Callahan 40 | 2:22.78 Gary Quinn 40 | 2:34.79 Mark Hahn 41 |
| 27.44 Brian Starford 35 | 59.49 Andreas Seibt 40 | 2:24.88 David Burleson 41 | 2:34.90 Michael Lemke 41 |
| 27.47 Charlie Johnson 35 | • 200 M. FREESTYLE | 2:25.54 Bob Buresh 40 | • 200 M. INDIVIDUAL MEDLEY |
| 27.56 Hara Andrew 39 | 2:01.16 HESS YNTEMA 95 | 2:27.75 Daniel Rogers 40 | 2:17.64 HESS YNTEMA 95 |
| 27.64 Todd Cooper 35 | 2:04.45 Jack Groselle 44 | 2:29.40 Andreas Seibt 40 | 2:21.44 Spencer C Eldred 41 |
| • 100 M. BUTTERFLY | 2:04.80 Spencer C Eldred 41 | 2:31.59 Lang Meem 44 | 2:22.93 Scott Shake 40 |
| 56.60 JEFF STUART 96 | 2:06.38 Tom McCabe 40 | 2:31.73 Thomas Bliss 44 | 2:24.96 Bill Glasstetter 40 |
| 59.78 Bobby Patten 35 | 2:08.04 Jim Callahan 40 | 2:32.69 Steve Sussex 43 | 2:25.09 Gregory Dozer 40 |
| 1:00.26 Curt La Count 39 | 2:08.07 Steve Sussex 43 | • 50 M. BREASTSTROKE | 2:26.92 Stuart Corliss 42 |
| 1:00.31 Kurt Wienants 36 | 2:08.50 Larry Wood 44 | 30.82 PEDER DAHLBERG 92 | 2:26.95 Andreas Seibt 40 |
| 1:00.68 James Lilley 38 | 2:08.76 Gregory Dozer 40 | 30.94 Doug Malcolm 41 | 2:28.06 Bruce Wencel 43 |
| 1:01.99 Brian Pakkala 36 | 2:09.72 Gary Quinn 40 | 31.10 Mori Paulsen 40 | 2:28.58 William Smiddy 40 |
| 1:02.11 John Havlik 39 | 2:11.39 William Hempel 41 | 31.51 David Gray 40 | 2:28.72 Jeffrey Krongaard 43 |
| 1:02.13 Scott Halliburton 36 | 2:11.60 Russell Frazier 44 | 31.80 Ron Schafer 40 | 2:29.30 Stephen Rode 41 |
| 1:02.76 Doug Christensen 35 | • 400 M. FREESTYLE | 31.96 Stephen Rode 41 | • 400 M. INDIVIDUAL MEDLEY |
| 1:03.05 Christophe Roth 39 | 4:20.37 HESS YNTEMA 96 | 32.23 Jack Groselle 44 | 4:53.03 HESS YNTEMA 95 |
| 1:03.34 Robert Placak 39 | 4:29.55 Scott Shake 40 | 32.46 Spencer C Eldred 41 | 5:13.82 Andreas Seibt 40 |
| • 200 M. BUTTERFLY | 4:35.05 William Specht 40 | 33.14 Jack Malcolm 40 | 5:15.31 Steve Sussex 43 |
| 2:06.74 JEFF STUART 96 | 4:35.89 Steve Sussex 43 | 33.26 Yit Lim 40 | 5:15.60 David Burleson 41 |
| 2:15.62 Bobby Patten 35 | 4:35.95 Jim Callahan 40 | 33.71 Karl Kazmaier 43 | 5:17.17 Gregory Dozer 40 |
| 2:20.21 Scott Halliburton 36 | 4:36.49 Kerry L O'Brien 41 | • 100 M. BREASTSTROKE | 5:17.60 Jim Callahan 40 |
| 2:22.32 Joseph Rhyne 39 | 4:37.01 Hank Oppenborn 40 | 1:08.97 RON SCHAFFER 98 | 5:17.68 Gary Quinn 40 |
| 2:22.94 Christophe Roth 39 | 4:37.37 Larry Wood 44 | 1:08.97 Ron Schafer 40 | 5:18.66 Neil Wasserman 43 |
| 2:23.52 Bill Staebell 36 | 4:38.22 Neil Wasserman 43 | 1:10.08 Stephen Rode 41 | 5:20.10 William Smiddy 40 |
| 2:26.31 Jonathan Olsen 35 | 4:38.81 L Meisenheimer 40 | 1:11.56 David Gray 40 | 5:22.67 Larry Wood 44 |
| 2:27.60 Don Skeoch 35 | 4:38.89 Gregory Dozer 40 | 1:11.91 Stuart Corliss 42 | 5:24.48 Jeffrey Krongaard 43 |
| 2:29.19 Mark Booth 38 | • 800 M. FREESTYLE | 1:12.50 Jack Groselle 44 | |
| 2:29.88 Ron Collins 36 | 8:57.66 HESS YNTEMA 95 | 1:14.27 William Smiddy 40 | <u>MEN 45-49</u> |
| 2:32.82 James Boswell 37 | 9:31.70 Scott Shake 40 | 1:14.74 Jack Malcolm 40 | • 50 M. FREESTYLE |
| • 200 M. INDIVIDUAL MEDLEY | 9:37.87 Jim Callahan 40 | 1:15.41 Gregory Dozer 40 | 25.30 RICHARD ABRAHAMS 90 |
| 2:15.53 JAMES SORENSEN 98 | 9:42.88 Gregory Dozer 40 | 1:15.59 Mori Paulsen 40 | |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | |
|------------------------------|------------------------------|------------------------------|------------------------------|
| 25.45 Tom Whatley 46 | 32.39 Rich Dorney 46 | 1:03.85 Craig Burns 45 | 2:15.04 Keith Bell 50 |
| 25.75 Craig Burns 45 | 32.50 Casey Claflin 45 | 1:04.31 Kevin McCormack 45 | 2:16.49 Richard Kittel 50 |
| 25.89 John Spire 46 | 32.87 Tom Whatley 46 | 1:06.05 Jim Osborn 46 | 2:17.81 Donald Galine 52 |
| 26.06 C Miltenberger 46 | 32.94 Richard Garrett 45 | 1:06.11 David Tanner 48 | 2:18.56 William Abbott 52 |
| 26.08 Robert Puels 47 | 100 M. BACKSTROKE | 1:07.13 Steve Heck 48 | 2:18.79 Hugh T Wilder 51 |
| 26.52 Steve Heck 48 | 1:05.64 PETER O'KEEFFE 95 | 1:07.14 John McCall 46 | 2:19.17 Bill Darby 51 |
| 26.62 Joel Stager 45 | 1:05.90 Eddie Riach 45 | 1:08.07 Rudy Vazmina 48 | 2:19.72 Stephen Johnson 50 |
| 26.62 Roger Hawkins 49 | 1:07.14 John Spire 46 | 1:08.32 Richard Garrett 45 | 400 M. FREESTYLE |
| 26.68 Richard Garrett 45 | 1:07.47 Richard Bober 47 | 1:08.61 Gary Bastie 48 | 4:32.51 R TOD SPIEKER 98 |
| 26.69 Richard Peterson 47 | 1:08.54 Jack Courtney 45 | 1:09.02 David Levinson 48 | 4:32.51 Tod Spieker 50 |
| 100 M. FREESTYLE | 1:09.03 Casey Claflin 45 | 200 M. BUTTERFLY | 4:33.78 Fred Schlicher 50 |
| 56.73 TIM BRODERICK 96 | 1:09.13 Mark Pugliese 45 | 2:21.84 BOO GRANER GALLAS 96 | 4:48.69 Gregory Charlton 50 |
| 57.55 Craig Burns 45 | 1:09.55 Louis Krupnick 49 | 2:29.28 David Tanner 48 | 4:52.50 Keith Bell 50 |
| 57.59 C Miltenberger 46 | 1:09.90 Richard Garrett 45 | 2:30.23 Fred Schlicher 49 | 4:53.92 Stephen Johnson 50 |
| 57.74 Richard Garrett 45 | 1:10.74 Lou Horwitz 45 | 2:31.79 Randy B Williams 46 | 4:55.04 Bill Darby 51 |
| 58.08 Lee Mench 45 | 1:10.90 Frank Thompson 46 | 2:37.08 Will Reeves 45 | 5:02.46 Brett Sorge 50 |
| 58.31 John Spire 46 | 200 M. BACKSTROKE | 2:40.38 David Levinson 48 | 5:04.67 Gary Brenner 50 |
| 59.43 Richard Peterson 47 | 2:23.84 PETER O'KEEFFE 95 | 2:44.78 Gary Bastie 48 | 5:09.60 Bob Couch 51 |
| 59.46 Larry Krauser 45 | 2:24.73 Eddie Riach 45 | 2:45.47 Keith Bell 49 | 5:10.09 Hugh Wilder 51 |
| 59.53 Tom Whatley 46 | 2:28.36 Paul Feters 45 | 2:48.27 Marvin Schwartz 49 | 800 M. FREESTYLE |
| 1:00.30 William Drulias 46 | 2:30.61 Richard Bober 47 | 2:50.55 John McCall 46 | 9:27.52 R TOD SPIEKER 98 |
| 1:00.38 Joel Stager 45 | 2:31.18 Todd Bryan 47 | 2:51.99 Edward Strack 46 | 9:27.52 Tod Spieker 50 |
| 200 M. FREESTYLE | 2:31.62 Mark Pugliese 45 | 200 M. INDIVIDUAL MEDLEY | 10:08.64 Gregory Charlton 50 |
| 2:03.71 TIM BRODERICK 96 | 2:31.74 Jack Courtney 45 | 2:22.06 TIM BRODERICK 96 | 10:09.63 Bill Darby 51 |
| 2:08.49 Todd Bryan 47 | 2:32.39 John Spire 46 | 2:26.11 Eddie Riach 45 | 10:13.93 Stephen Johnson 50 |
| 2:10.58 Richard Garrett 45 | 2:34.54 Frank Thompson 46 | 2:30.78 Richard Garrett 45 | 10:20.20 Keith Bell 50 |
| 2:10.84 Lee Mench 45 | 2:35.70 Casey Claflin 45 | 2:32.11 Steve Heck 48 | 10:28.91 Hugh T Wilder 51 |
| 2:11.62 Craig Burns 45 | 2:36.13 David Bright 45 | 2:33.89 Paul Feters 45 | 10:29.22 Jim McCleery 52 |
| 2:12.31 John Spire 46 | 50 M. BREASTSTROKE | 2:34.74 Craig Burns 45 | 10:35.51 Brett Sorge 50 |
| 2:14.63 Mike Sherrill 48 | 31.54 C MILTENBERGER 98 | 2:35.96 Frank Thompson 46 | 10:38.64 Gary Brenner 50 |
| 2:15.03 Frank Thompson 46 | 31.54 C Miltenberger 46 | 2:36.34 Richard Haas 48 | 10:50.67 Dennis Manrique 52 |
| 2:17.52 Rick Walker 47 | 32.85 Richard Bohan 47 | 2:39.00 Lee Mench 45 | 1500 M. FREESTYLE |
| 2:18.39 Casey Claflin 45 | 32.99 Dale Korner 46 | 2:40.62 John Derr 49 | 18:04.63 R TOD SPIEKER 98 |
| 2:18.45 Larry Krauser 45 | 33.79 Robert Puels 47 | 2:42.01 Will Reeves 45 | 18:04.63 R Tod Spieker 50 |
| 400 M. FREESTYLE | 33.89 Tom Whatley 46 | 400 M. INDIVIDUAL MEDLEY | 19:22.09 Keith Bell 50 |
| 4:24.37 TIM BRODERICK 96 | 34.48 Allen Stark 49 | 5:10.08 TIM BRODERICK 96 | 19:34.99 Bill Darby 51 |
| 4:30.29 Todd Bryan 47 | 35.00 Steve Heck 48 | 5:24.67 Paul Feters 45 | 20:26.15 Brett Sorge 50 |
| 4:38.97 Eddie Riach 45 | 35.02 Wayne Pearce 45 | 5:32.81 Richard Garrett 45 | 20:39.82 Bob Couch 51 |
| 4:42.42 Lee Mench 45 | 35.09 Clay Kolar 49 | 5:38.95 Fred Schlicher 49 | 21:12.25 John R Selmer 53 |
| 4:46.83 Richard S Garrett 45 | 35.23 Dana Cox 46 | 5:39.02 Frank Thompson 46 | 21:17.29 Hop Bailey 51 |
| 4:47.80 Rick Walker 47 | 100 M. BREASTSTROKE | 5:40.80 Mark Pugliese 45 | 21:25.49 Jack Pyhel 54 |
| 4:48.41 Frank Thompson 46 | 1:12.44 C MILTENBERGER 97 | 5:42.27 Joel R Wilson 49 | 22:13.99 Robert Shaw 50 |
| 4:50.00 Larry Krauser 45 | 1:13.79 C Miltenberger 46 | 5:47.02 Will Reeves 45 | 22:16.18 Nick Olmos-Lau 52 |
| 4:53.72 Fred Schlicher 49 | 1:13.99 Jay Olson 48 | 5:51.03 David Levinson 48 | 50 M. BACKSTROKE |
| 4:56.48 Marvin Schwartz 49 | 1:14.48 Dale Korner 46 | 5:52.23 Gary Bastie 48 | 30.63 HUGH WILDER 97 |
| 5:01.53 John Edwards 49 | 1:15.29 Richard Bohan 47 | 5:54.71 Rich Dorney 46 | 31.02 Hugh Wilder 51 |
| 800 M. FREESTYLE | 1:15.88 Robert Puels 47 | | 31.06 Dick Thomas 50 |
| 9:13.29 TODD BRYAN 98 | 1:16.60 Allen Stark 49 | MEN 50-54 | 32.03 Bryan Bateman 50 |
| 9:13.29 Todd Bryan 47 | 1:17.09 Gregory Harrison 46 | 50 M. FREESTYLE | 32.09 Bob Kolonowski 50 |
| 9:36.85 Eddie Riach 45 | 1:17.90 Wayne Pearce 45 | 24.60 RICHARD ABRAHAMS 98 | 32.86 Tim A Birnie 52 |
| 9:52.02 Lee Mench 45 | 1:18.18 Steve Heck 48 | 24.60 Richard Abrahams 53 | 33.45 R Tod Spieker 50 |
| 9:59.02 Frank Thompson 46 | 1:18.36 Richard Peterson 47 | 26.36 Robert Strand 52 | 34.11 John Enterline 51 |
| 9:59.61 Rick Walker 47 | 200 M. BREASTSTROKE | 26.46 Steve Borowski 50 | 34.45 Duke Dahlin 50 |
| 10:10.35 Larry Krauser 45 | 2:41.13 GREG HARRISON 97 | 26.55 Bryan Bateman 50 | 34.81 Donald Galine 52 |
| 10:20.95 Peter Brunson 46 | 2:41.92 Dale Korner 46 | 26.80 Dick Thomas 50 | 35.01 Richard Kittel 50 |
| 10:27.01 Marvin Schwartz 49 | 2:44.01 Gregory Harrison 46 | 27.12 David Padgett 51 | 100 M. BACKSTROKE |
| 10:31.43 Robert Strauss 46 | 2:47.39 Richard Bohan 47 | 27.14 Gregory Charlton 50 | 1:07.16 HUGH WILDER 97 |
| 10:33.19 Will Reeves 45 | 2:51.04 Allen Stark 49 | 27.17 John Enterline 51 | 1:07.67 Hugh Wilder 51 |
| 1500 M. FREESTYLE | 2:54.56 Robert Puels 47 | 27.38 Daniel Rogacki 51 | 1:09.58 Bob Kolonowski 50 |
| 17:31.23 TODD BRYAN 98 | 2:58.66 Rick Walker 47 | 27.51 Douglas Prentice 50 | 1:09.83 Tod Spieker 50 |
| 17:31.23 Todd Bryan 47 | 3:03.06 Robert Liotta 47 | 100 M. FREESTYLE | 1:11.05 Dick Thomas 50 |
| 18:05.68 Randy B Williams 47 | 3:03.15 Richard Kopec 45 | 56.98 RICHARD ABRAHAMS 98 | 1:11.98 Daniel Rogacki 51 |
| 18:51.31 Mike Sherrill 48 | 3:03.37 Grant M Inman 46 | 56.98 Richard Abrahams 53 | 1:15.36 Richard Kittel 50 |
| 19:06.74 Rick Walker 47 | 3:05.22 Ralph Bovard 45 | 58.48 Bryan Bateman 50 | 1:15.67 Duke Dahlin 50 |
| 19:10.36 Paul Feters 45 | 50 M. BUTTERFLY | 1:00.27 Gregory Charlton 50 | 1:18.88 Jim E Kauffman 50 |
| 19:10.98 Dick Stone 46 | 27.12 DAN THOMPSON 92 | 1:00.41 Robert Strand 52 | 1:20.31 Bill Pillmore 50 |
| 19:27.41 Frank Thompson 46 | 27.61 Craig Burns 45 | 1:01.24 Daniel Rogacki 51 | 1:20.42 Jon Stout 51 |
| 19:43.19 David Owen 46 | 28.01 Kevin McCormack 45 | 1:01.31 Richard Kittel 50 | 200 M. BACKSTROKE |
| 19:44.28 Joel R Wilson 49 | 28.47 Don Mehl 47 | 1:01.61 Dave Quiggin 53 | 2:27.01 R TOD SPIEKER 98 |
| 19:58.75 Marvin Schwartz 49 | 28.56 Mark Pugliese 45 | 1:01.74 Donald Galine 52 | 2:27.01 R Tod Spieker 50 |
| 50 M. BACKSTROKE | 28.74 Tom Whatley 46 | 1:01.87 Tod Spieker 50 | 2:33.54 Hugh T Wilder 51 |
| 30.30 RICHARD BOBER 96 | 28.91 Steve Heck 48 | 1:01.94 Hugh T Wilder 51 | 2:40.21 Bob Kolonowski 50 |
| 30.91 Eddie Riach 45 | 29.07 John McCall 46 | 200 M. FREESTYLE | 2:50.20 Richard Kittel 50 |
| 31.14 Richard Bober 47 | 29.36 Robert Puels 47 | 2:07.17 FRED SCHLICHER 98 | 2:50.77 Donald Galine 52 |
| 31.34 John Spire 46 | 29.44 David Tanner 48 | 2:07.17 Fred Schlicher 50 | 2:52.67 Duke Dahlin 50 |
| 31.66 Mark Pugliese 45 | 29.53 David Levinson 48 | 2:08.31 R Tod Spieker 50 | 2:53.72 Doug Rawn 51 |
| 31.82 Gene E Hart 45 | 100 M. BUTTERFLY | 2:15.04 Gregory Charlton 50 | 2:57.17 John R Sultan 51 |
| 31.95 Jack Courtney 45 | 1:02.47 BOO GRANER GALLAS 96 | | 2:59.48 Dick W Thomas 50 |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | |
|-----------------------------|------------------------------|-----------------------------|------------------------------|
| 3:00.95 Richard Smith 52 | 2:38.08 Daniel Rogacki 51 | 11:45.46 Robert Tesch 57 | 2:54.08 Tegze Haraszti 57 |
| • 50 M. BREASTSTROKE | 2:41.23 Robert Poiletman 54 | 11:47.28 Mike Freshley 57 | 2:56.02 Timothy Garton 56 |
| 32.16 ROBERT STRAND 98 | 2:42.58 William Abbott 52 | 12:06.02 William Quayle 57 | 3:05.27 David R Gildea 55 |
| 32.16 Robert Strand 52 | 2:44.41 Donald Galine 52 | 12:09.41 Vince Herring 55 | 3:07.70 Peter Betzer 56 |
| 33.11 Don McKenzie 51 | 2:44.61 Gary Langendoen 52 | • 1500 M. FREESTYLE | 3:08.42 Mike Freshley 57 |
| 34.72 Kenneth Frost 53 | 2:44.77 Kenneth Frost 53 | 19:54.72 BURWELL JONES 90 | 3:19.75 William Crowley 59 |
| 35.06 G Menyharth 52 | 2:46.22 Bob Couch 51 | 21:22.15 Mel Goldstein 59 | 3:21.79 Vince Herring 55 |
| 35.41 Jim Dragon 54 | • 400 M. INDIVIDUAL MEDLEY | 21:52.90 Steven Kovary 56 | 3:23.32 Eric Jensen 56 |
| 35.60 John Enterline 51 | 5:20.78 JOHN CLAVERT 96 | 22:09.32 Robert Tesch 57 | 3:24.03 Ben Wright 55 |
| 36.07 Bill Griffith 52 | 5:22.72 R Tod Spieker 50 | 22:30.62 Patrick Schlup 58 | 3:24.97 Patrick Madden 57 |
| 36.73 Michael Merrell 50 | 5:38.78 Bob Kolonkowski 50 | 22:35.08 Vince Herring 55 | • 50 M. BUTTERFLY |
| 36.75 Jim Redic 51 | 5:55.84 Brett Sorge 50 | 22:39.42 Mike Freshley 57 | 28.22 KEEFE LODWIG 98 |
| 36.80 William Abbott 52 | 5:59.91 Dennis Manrique 52 | 22:47.94 Billy Sulzby 56 | 28.22 Keefe Lodwig 55 |
| • 100 M. BREASTSTROKE | 6:00.49 Bob Couch 51 | 23:19.16 William Quayle 57 | 28.89 Steve Clark 55 |
| 1:11.90 ROBERT STRAND 98 | 6:05.15 Hop Bailey 51 | 23:29.87 Eric Jensen 56 | 29.58 James Elder 55 |
| 1:11.90 Robert Strand 52 | 6:09.66 Conner Bailey 51 | 23:57.53 Alan Becker 55 | 29.84 Robert Smith 55 |
| 1:16.10 Don McKenzie 51 | 6:09.71 David Ugarkovich 50 | • 50 M. BACKSTROKE | 30.09 Richard Bassi 57 |
| 1:16.88 Daniel Rogacki 51 | 6:14.91 Bill Pillmore 50 | 31.52 ROBERT SMITH 98 | 30.75 William Muter 55 |
| 1:19.06 Kenneth Frost 53 | 6:15.18 Richard Smith 52 | 31.52 Robert Smith 55 | 30.85 Bert Petersen 59 |
| 1:19.95 Bill Griffith 52 | | 32.43 Richard Burns 55 | 31.35 Mike Freshley 57 |
| 1:20.85 Michael Merrell 50 | MEN 55-59 | 33.25 Steve Clark 55 | 31.71 Thomas Olander 56 |
| 1:21.01 G Paul Menyharth 51 | | 33.99 Richard Bassi 57 | 31.90 Ronald Nakata 59 |
| 1:21.26 William Abbott 52 | • 50 M. FREESTYLE | 34.85 Steve Thrasher 56 | • 100 M. BUTTERFLY |
| 1:21.83 Dennis Manrique 52 | 26.33 STEVE CLARK 98 | 35.58 Tony Cherrington 55 | 1:09.27 ROBERT PROEBSTING 94 |
| 1:22.29 Edward Nessel 53 | 26.33 Steve Clark 55 | 36.05 Peter Betzer 56 | 1:10.69 C William Muter 56 |
| • 200 M. BREASTSTROKE | 26.57 Keefe Lodwig 55 | 36.28 Michael McKinlay 55 | 1:12.31 James Elder 55 |
| 2:40.57 ROBERT STRAND 96 | 26.78 James Elder 55 | 37.13 C William Muter 55 | 1:12.33 Steve Clark 55 |
| 2:43.37 Robert Strand 52 | 27.14 Robert Smith 55 | 37.62 F Wendelken 59 | 1:14.25 Bert Petersen 59 |
| 2:52.78 Don McKenzie 51 | 27.39 Jerry Greenberg 56 | • 100 M. BACKSTROKE | 1:16.41 Hugh Roddin 56 |
| 2:54.30 Kenneth Frost 53 | 27.94 Richard Bassi 57 | 1:11.39 RICHARD BURNS 98 | 1:16.90 William Timken 59 |
| 2:55.60 Michael Merrell 50 | 28.32 Tom Winters 57 | 1:11.39 Richard Burns 55 | 1:20.37 Mel Goldstein 59 |
| 2:58.82 Bill Griffith 52 | 28.65 Mike Freshley 57 | 1:11.75 Robert Smith 55 | 1:23.84 Jim Perilman 59 |
| 3:00.36 Dennis Manrique 52 | 28.73 Thomas Olander 56 | 1:15.55 Edward G Cazalet 56 | 1:28.49 Alan Becker 55 |
| 3:00.42 David Ugarkovich 50 | 29.05 James Krueger 59 | 1:16.20 Richard Bassi 57 | 1:32.20 Thomas Olander 56 |
| 3:02.55 Phillip Whitten 54 | • 100 M. FREESTYLE | 1:16.51 Steve Thrasher 56 | • 200 M. BUTTERFLY |
| 3:05.89 G Menyharth 52 | 58.41 TIMOTHY GARTON 98 | 1:17.56 Peter Betzer 56 | 2:48.05 ROBERT PROEBSTING 94 |
| 3:09.26 Conner Bailey 51 | 58.41 Timothy Garton 56 | 1:20.58 Tony Cherrington 55 | 3:01.47 Hugh Roddin 56 |
| • 50 M. BUTTERFLY | 58.52 Keefe Lodwig 55 | 1:21.61 Gordon Demeester 55 | 3:01.91 James Elder 55 |
| 27.13 RICHARD ABRAHAMS 98 | 1:01.04 Steve Clark 55 | 1:22.36 Hugh Roddin 56 | 3:04.47 William Muter 55 |
| 27.13 Richard Abrahams 53 | 1:01.12 James Elder 55 | 1:23.49 Eric Jensen 56 | 3:05.53 William Timken 59 |
| 27.69 Steve Borowski 50 | 1:02.69 Richard Burns 55 | • 200 M. BACKSTROKE | 3:07.74 Mel Goldstein 59 |
| 28.12 Joel Burns 52 | 1:03.48 Robert Smith 55 | 2:37.51 RICHARD BURNS 98 | 3:21.56 Patrick Madden 57 |
| 28.53 Fred Schlicher 50 | 1:04.20 Mike Freshley 57 | 2:37.51 Richard Burns 55 | 3:22.27 Alan Becker 55 |
| 29.42 Dick Thomas 50 | 1:04.30 Edward G Cazalet 56 | 2:39.30 Edward Cazalet 56 | 3:22.34 Vince Herring 55 |
| 30.10 Randy Simons 50 | 1:05.14 Tony Cherrington 55 | 2:47.06 Tegze Haraszti 57 | 3:25.19 Jim Perilman 59 |
| 30.19 Stephen Warner 50 | 1:05.28 William Van Horn 59 | 2:50.41 Richard Bassi 57 | 3:38.67 Peter Ronay 55 |
| 30.49 Rick Goeden 51 | • 200 M. FREESTYLE | 2:51.67 Steve Thrasher 56 | • 200 M. INDIVIDUAL MEDLEY |
| 30.74 Dennis Hamilton 51 | 2:15.35 KEEFE LODWIG 98 | 2:51.72 Bruce Clark 55 | 2:32.96 TIMOTHY GARTON 98 |
| 30.80 Gary Langendoen 52 | 2:15.35 Keefe Lodwig 55 | 2:55.34 Eric Jensen 56 | 2:32.96 Timothy Garton 56 |
| • 100 M. BUTTERFLY | 2:18.04 Edward Cazalet 56 | 2:56.54 Tony Cherrington 55 | 2:38.16 Edward Cazalet 56 |
| 1:02.25 RICHARD ABRAHAMS 98 | 2:23.14 Richard Burns 55 | 2:58.46 George Quigley 58 | 2:41.35 Tegze Haraszti 57 |
| 1:02.25 Richard Abrahams 53 | 2:26.10 William Van Horn 59 | 3:00.21 Peter Betzer 56 | 2:44.64 Richard Burns 55 |
| 1:02.81 Fred Schlicher 50 | 2:29.80 Richard Bassi 57 | • 50 M. BREASTSTROKE | 2:45.92 William Muter 55 |
| 1:03.70 Joel Burns 52 | 2:32.13 Alan Somers 56 | 34.20 JOHN KORTHEUER 88 | 2:49.88 Mike Freshley 57 |
| 1:06.53 Bob Kolonkowski 50 | 2:34.97 Mike Freshley 57 | 36.21 Robert Smith 55 | 2:53.57 Eric Jensen 56 |
| 1:06.88 Robert Poiletman 54 | 2:40.37 Steven Kovary 56 | 37.10 Tom Winters 57 | 2:56.20 Ronald Nakata 59 |
| 1:08.07 William Abbott 52 | 2:40.50 Alan Becker 55 | 37.25 Peter Betzer 56 | 2:57.44 Steve Thrasher 56 |
| 1:09.00 Dick Thomas 50 | 2:41.52 William Quayle 57 | 37.78 David R Gildea 55 | 2:58.16 William Timken 59 |
| 1:09.80 Hugh Wilder 51 | • 400 M. FREESTYLE | 38.40 James Krueger 59 | • 400 M. INDIVIDUAL MEDLEY |
| 1:09.81 Keith Bell 50 | 4:53.53 JACK GEOGHEGAN 97 | 38.71 Mike Freshley 57 | 5:43.33 TIMOTHY GARTON 98 |
| 1:10.86 Gary Langendoen 52 | 4:58.12 Timothy Garton 56 | 38.99 Jim E Perilman 59 | 5:43.33 Timothy Garton 56 |
| • 200 M. BUTTERFLY | 4:59.59 Edward Cazalet 56 | 39.04 Irv Betrock 57 | 6:02.74 William Muter 55 |
| 2:26.34 FRED SCHLICHER 98 | 5:01.87 Keefe Lodwig 55 | 39.09 Patrick Madden 57 | 6:22.35 Mike Freshley 57 |
| 2:26.34 Fred Schlicher 50 | 5:12.36 William Van Horn 59 | 39.33 Walt Reid 58 | 6:31.96 William Timken 59 |
| 2:32.71 Bob Kolonkowski 50 | 5:20.74 C William Muter 56 | • 100 M. BREASTSTROKE | 6:35.77 Mel Goldstein 59 |
| 2:33.48 Robert Poiletman 54 | 5:30.52 Jack Geoghegan 56 | 1:17.87 JOHN KORTHEUER 88 | 6:41.34 William Crowley 59 |
| 2:36.56 Keith Bell 50 | 5:35.22 Steven Kovary 56 | 1:19.05 Tegze Haraszti 57 | 6:44.22 William Quayle 57 |
| 2:43.93 Leland H Faust 51 | 5:35.30 Jody Grant 59 | 1:22.44 David R Gildea 55 | 6:49.06 Peter Betzer 56 |
| 2:56.96 Michael Merrell 50 | 5:40.31 Robert Tesch 57 | 1:22.63 Robert Smith 55 | 6:50.57 Vince Herring 55 |
| 3:01.32 Duke Dahlin 50 | 5:42.34 Eric Jensen 56 | 1:25.19 Peter Betzer 56 | 6:52.70 Murray McLachlan 57 |
| 3:02.74 Julius Young 51 | • 800 M. FREESTYLE | 1:25.57 Mike Freshley 57 | |
| 3:06.76 Dick Pitman 54 | 10:25.67 DRURY GALLAGHER 96 | 1:26.54 Bruce Clark 55 | MEN 60-64 |
| 3:09.67 Phillip Whitten 54 | 10:27.50 Edward Cazalet 56 | 1:28.31 Ben Wright 55 | • 50 M. FREESTYLE |
| • 200 M. INDIVIDUAL MEDLEY | 10:35.36 Tegze Haraszti 57 | 1:29.21 Jim Perilman 59 | 26.70 JEFF FARRELL 98 |
| 2:28.70 TIMOTHY GARTON 93 | 10:55.21 William Van Horn 59 | 1:29.38 William Crowley 59 | 26.70 Jeff Farrell 61 |
| 2:31.45 Robert Strand 52 | 11:12.65 Mel Goldstein 59 | 1:30.28 Irv Betrock 57 | 27.70 Cav Cavanaugh 62 |
| 2:34.56 R Tod Spieker 50 | 11:13.69 C William Muter 56 | • 200 M. BREASTSTROKE | 27.88 Jerry Clark 60 |
| 2:34.76 Fred Schlicher 50 | 11:23.96 Steven Kovary 56 | 2:54.08 TEGZE HARASZTI 98 | |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | | | | | |
|----------------------------|----|-------------------------|----|----------------------------|----|---------------------------|----|
| 28.62 John Smith | 60 | 40.47 George L Gfroerer | 64 | 1:25.87 Barry A Fasbender | 61 | 2:55.84 Clarke Mitchell | 66 |
| 29.67 Bill Earley | 62 | • 100 M. BACKSTROKE | | 1:27.06 A Emory Haworth | 62 | 2:57.20 Roger C Campbell | 68 |
| 29.94 David Radcliff | 64 | 1:14.72 YOSHI OYAKAWA | 94 | 1:28.98 Dren Geer | 64 | 2:58.07 Robert Herittier | 69 |
| 30.08 George Thayer | 62 | 1:17.44 John Smith | 60 | 1:35.13 Amar Lathi | 62 | 3:00.39 Donald Baker | 67 |
| 30.39 David McIntyre | 61 | 1:18.73 Yoshi Oyakawa | 64 | 1:36.14 Dick A Peterson | 61 | • 400 M. FREESTYLE | |
| 31.31 M Stollmeyer | 60 | 1:19.21 Jack Beattie | 63 | 1:37.61 Dick Slawson | 62 | 5:03.36 GRAHAM JOHNSTON | 96 |
| 31.45 Sid Hall | 62 | 1:20.62 Bill Earley | 62 | 1:38.24 John Fleming | 63 | 5:07.95 Graham Johnston | 67 |
| • 100 M. FREESTYLE | | 1:21.61 Jerry Glancy | 60 | • 200 M. BUTTERFLY | | 5:48.58 Bill King | 65 |
| 1:00.11 JEFF FARRELL | 98 | 1:26.21 John Weiser | 63 | 3:00.99 JOHN MASTERS | 90 | 6:14.96 Roger C Campbell | 68 |
| 1:00.11 Jeff Farrell | 61 | 1:26.97 Alan Rapperport | 64 | 3:17.29 William Lauer | 63 | 6:15.08 Ken Kimball | 68 |
| 1:02.94 Cav Cavanaugh | 62 | 1:27.33 Robert F Norris | 60 | 3:22.63 Dren Geer | 64 | 6:20.51 Stephen Mullins | 66 |
| 1:03.90 Jerry Clark | 60 | 1:27.55 Dren Geer | 64 | 3:25.33 A Emory Haworth | 62 | 6:21.25 Robert Herittier | 69 |
| 1:04.36 John Smith | 60 | 1:28.10 George Thayer | 62 | 3:25.93 Barry A Fasbender | 61 | 6:24.66 Tom Taylor | 67 |
| 1:05.03 David Radcliff | 64 | • 200 M. BACKSTROKE | | 3:41.10 Ray Bellem | 61 | 6:26.18 B Hungerford | 65 |
| 1:07.04 Ernie Leskovitz | 61 | 2:45.93 DON BROWN | 93 | 3:41.65 Dick Slawson | 62 | 6:29.60 Clarke Mitchell | 66 |
| 1:08.22 Dren Geer | 64 | 2:50.31 John Smith | 60 | 3:47.22 Larry Good | 64 | 6:29.62 John Bleck | 65 |
| 1:08.56 David Harrison | 60 | 2:54.79 Jerry Glancy | 60 | 3:49.15 Sam Chilton | 64 | • 800 M. FREESTYLE | |
| 1:08.67 Bill Earley | 61 | 2:59.15 Jack Beattie | 63 | 4:03.84 Leon Silverstein | 64 | 10:29.26 GRAHAM JOHNSTON | 97 |
| 1:08.86 Steve Moseley | 60 | 3:08.25 Bill Earley | 61 | 4:12.45 Larry Dunham | 60 | 10:45.90 Graham Johnston | 67 |
| • 200 M. FREESTYLE | | 3:08.95 Robert F Norris | 60 | • 200 M. INDIVIDUAL MEDLEY | | 12:23.60 Bill King | 65 |
| 2:20.54 JEFF FARRELL | 98 | 3:08.98 Larry Good | 64 | 2:46.41 JEFF FARRELL | 98 | 12:43.10 Dave Anderson | 66 |
| 2:20.54 Jeff Farrell | 61 | 3:14.90 Alan Rapperport | 64 | 2:46.41 Jeff Farrell | 61 | 12:48.23 Ken Kimball | 68 |
| 2:24.89 Ernie Leskovitz | 61 | 3:15.68 Dren Geer | 64 | 2:54.37 Ernie Leskovitz | 61 | 12:53.43 Roger C Campbell | 68 |
| 2:25.76 David Harrison | 60 | 3:16.61 John Weiser | 63 | 3:01.99 Cav Cavanaugh | 62 | 12:56.18 Stephen Mullins | 66 |
| 2:27.03 David Radcliff | 64 | 3:18.44 Mike Milliman | 63 | 3:02.87 Dick A Peterson | 61 | 13:09.43 Ronald Johnson | 66 |
| 2:27.37 Cav Cavanaugh | 62 | • 50 M. BREASTSTROKE | | 3:03.32 Bill Earley | 62 | 13:12.17 Robert Herittier | 69 |
| 2:29.65 Jerry Clark | 60 | 35.91 JOHN KORTHEUER | 91 | 3:04.82 Jack Beattie | 63 | 13:34.55 Charles Kohnken | 66 |
| 2:37.21 Dren Geer | 64 | 38.09 Bob Patten | 64 | 3:10.62 William Lauer | 63 | 13:37.74 John Bleck | 65 |
| 2:38.23 Jerry Glancy | 60 | 38.24 Karl Wiedemann | 60 | 3:10.98 A Emory Haworth | 62 | • 1500 M. FREESTYLE | |
| 2:43.41 Lawrence Cohen | 63 | 38.94 Milton Gee | 61 | 3:11.65 Dick Slawson | 62 | 20:16.54 GRAHAM JOHNSTON | 96 |
| 2:44.13 John Medici | 60 | 41.59 Sherrill Martin | 61 | 3:20.03 Joel Jacobs | 62 | 20:17.61 Graham Johnston | 67 |
| • 400 M. FREESTYLE | | 41.66 Ray Bellem | 61 | • 400 M. INDIVIDUAL MEDLEY | | 24:23.15 Dave Anderson | 66 |
| 5:02.70 GRAHAM JOHNSTON | 91 | 41.74 Joel Jacobs | 62 | 6:04.99 GRAHAM JOHNSTON | 91 | 24:24.23 Roger C Campbell | 68 |
| 5:08.22 Ernie Leskovitz | 61 | 41.93 Jerry Clark | 60 | 6:41.32 William Lauer | 63 | 24:31.70 Thomas Taylor | 67 |
| 5:14.63 David Harrison | 60 | 42.82 George Thayer | 62 | 6:50.78 Dick A Peterson | 61 | 24:52.27 Ken Kimball | 67 |
| 5:16.33 David Radcliff | 64 | 42.93 John Fleming | 63 | 6:52.82 Larry Good | 64 | 25:52.31 John Bleck | 65 |
| 5:23.72 Jerry Clark | 60 | 42.96 Bruce Williams | 63 | 6:59.28 Dick Slawson | 62 | 26:13.43 Robert Beach | 68 |
| 5:40.63 Cav Cavanaugh | 62 | • 100 M. BREASTSTROKE | | 7:01.57 A Emory Haworth | 62 | 26:35.89 Charles Kohnken | 66 |
| 5:40.64 William Lauer | 63 | 1:21.58 JOHN KORTHEUER | 91 | 7:05.26 Landon Kirchner | 60 | 26:51.65 Myron Lockey | 66 |
| 5:42.10 Jerry Glancy | 60 | 1:24.74 Bob Patten | 64 | 7:06.54 John Medici | 60 | 26:56.69 Artur Welch | 65 |
| 5:47.13 A Emory Haworth | 62 | 1:29.73 Karl Wiedemann | 60 | 7:08.55 Ray Bellem | 61 | • 50 M. BACKSTROKE | |
| 5:51.11 John Medici | 60 | 1:29.95 Milton Gee | 61 | 7:09.66 Barry A Fasbender | 61 | 35.28 YOSHI OYAKAWA | 98 |
| 5:57.71 John Weiser | 63 | 1:32.18 Dick A Peterson | 61 | 7:13.07 Joel Jacobs | 62 | 35.28 Yoshi Oyakawa | 65 |
| • 800 M. FREESTYLE | | 1:32.40 Ray Bellem | 61 | MEN 65-69 | | 35.36 Ronald Johnson | 67 |
| 10:34.02 GRAHAM JOHNSTON | 95 | 1:33.09 John Medici | 60 | • 50 M. FREESTYLE | | 37.43 Clarke Mitchell | 65 |
| 10:46.37 David Harrison | 60 | 1:33.16 Joel Jacobs | 62 | 28.04 RONALD JOHNSON | 98 | 37.55 Donald L Brown | 65 |
| 10:49.11 Ernie Leskovitz | 61 | 1:34.21 A Emory Haworth | 62 | 28.04 Ronald Johnson | 66 | 39.18 Horace Knowlton | 69 |
| 11:08.61 David Radcliff | 64 | 1:34.66 Landon Kirchner | 60 | 29.49 Yoshi Oyakawa | 65 | 39.26 Chuck Baldwin | 68 |
| 11:32.56 Jerry Clark | 60 | 1:35.49 Sherrill Marin | 61 | 29.77 Chuck Baldwin | 68 | 39.30 Peter van Dijk | 69 |
| 12:16.62 Lawrence Cohen | 63 | • 200 M. BREASTSTROKE | | 30.68 Graham Johnston | 67 | 40.07 Graham Johnston | 67 |
| 12:31.54 A Emory Haworth | 62 | 3:06.87 BOB PATTEN | 95 | 31.15 Peter van Dijk | 69 | 40.39 Richard L Bennett | 67 |
| 12:33.25 John Weiser | 63 | 3:13.30 Bob Patten | 64 | 31.51 Bob Congelliere | 69 | 40.73 William B Peckham | 69 |
| 12:39.13 Barry A Fasbender | 60 | 3:19.45 Dick A Peterson | 61 | 31.70 Dick Webber | 69 | • 100 M. BACKSTROKE | |
| 13:00.03 M Stollmeyer | 60 | 3:22.31 Ray Bellem | 61 | 31.70 Donald Baker | 67 | 1:17.68 YOSHI OYAKAWA | 98 |
| 13:00.17 Landon Kirchner | 60 | 3:25.59 Joel Jacobs | 62 | 31.82 Bob Best | 65 | 1:17.68 Yoshi Oyakawa | 65 |
| • 1500 M. FREESTYLE | | 3:26.73 Karl Wiedemann | 60 | 31.93 Norman E Stupfel | 65 | 1:23.82 Graham Johnston | 67 |
| 20:04.73 GRAHAM JOHNSTON | 95 | 3:26.82 Milton Gee | 61 | • 100 M. FREESTYLE | | 1:23.94 Clarke Mitchell | 66 |
| 20:59.46 David Harrison | 60 | 3:27.03 John Medici | 60 | 1:05.09 GRAHAM JOHNSTON | 97 | 1:25.95 Peter van Dijk | 69 |
| 22:26.80 Ernie Leskovitz | 60 | 3:29.78 Landon Kirchner | 60 | 1:10.04 Chuck Baldwin | 68 | 1:26.08 Horace Knowlton | 69 |
| 22:49.26 David Radcliff | 64 | 3:30.20 Sherrill Martin | 61 | 1:10.20 Yoshi Oyakawa | 65 | 1:28.03 Ronald Johnson | 66 |
| 22:52.97 Kent M Price | 60 | 3:34.28 A Emory Haworth | 62 | 1:10.34 Graham Johnston | 67 | 1:28.58 Richard L Bennett | 67 |
| 23:24.23 A Emory Haworth | 62 | • 50 M. BUTTERFLY | | 1:10.57 Mike Kraeuter | 68 | 1:29.91 Ken Kimball | 68 |
| 23:35.51 Larry Good | 64 | 31.01 JEFF FARRELL | 98 | 1:11.62 Peter van Dijk | 69 | 1:33.35 Thomas Koenig | 66 |
| 23:36.61 Lawrence Cohen | 63 | 31.01 Jeff Farrell | 61 | 1:11.83 Bill King | 65 | 1:35.79 Stan Mc Connell | 66 |
| 23:49.49 Barry Fasbender | 61 | 31.19 John Smith | 60 | 1:13.04 Herb Kern | 66 | • 200 M. BACKSTROKE | |
| 24:15.40 Mike Milliman | 63 | 32.12 Cav Cavanaugh | 62 | 1:13.23 Donald Baker | 67 | 2:55.46 ROGER FRANKS | 92 |
| 24:37.63 Landon Kirchner | 60 | 34.93 A Emory Haworth | 62 | 1:13.63 Bob Best | 65 | 2:56.36 Donald L Brown | 65 |
| • 50 M. BACKSTROKE | | 35.91 Jack Beattie | 63 | 1:13.75 Ken Kimball | 67 | 2:57.55 Graham Johnston | 67 |
| 33.13 YOSHI OYAKAWA | 94 | 36.02 Larry Dunham | 60 | • 200 M. FREESTYLE | | 3:08.84 Clarke Mitchell | 66 |
| 33.68 John Smith | 60 | 36.15 Bill Earley | 61 | 2:22.18 GRAHAM JOHNSTON | 96 | 3:14.08 Horace Knowlton | 69 |
| 34.96 Yoshi Oyakawa | 64 | 36.70 Dren Geer | 64 | 2:26.70 Graham Johnston | 67 | 3:18.50 Richard L Bennett | 67 |
| 34.97 Bill Earley | 61 | 37.00 Ernie Leskovitz | 61 | 2:41.58 Bill King | 65 | 3:22.72 Peter van Dijk | 69 |
| 35.72 David McIntyre | 61 | 37.14 Bob Patten | 64 | 2:44.19 Herb Kern | 66 | 3:24.46 Ken Kimball | 67 |
| 36.56 Jack Beattie | 63 | • 100 M. BUTTERFLY | | 2:47.14 Peter van Dijk | 69 | 3:27.37 Stan Mc Connell | 66 |
| 37.74 Jerry Glancy | 60 | 1:14.98 WALLY DOBLER | 94 | 2:49.74 Ken Kimball | 68 | 3:31.58 John Bleck | 65 |
| 38.99 John Weiser | 63 | 1:15.38 Ernie Leskovitz | 61 | 2:51.35 Dave Anderson | 66 | 3:37.64 Gordon Gillin | 67 |
| 39.77 George Thayer | 62 | 1:21.10 William Lauer | 63 | | | • 50 M. BREASTSTROKE | |
| 40.41 Alan Rapperport | 64 | 1:23.50 Bob Patten | 64 | | | 36.42 MANUEL SANGUILY | 98 |

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| | | | |
|-----------------------------|------------------------------|-----------------------------|------------------------------|
| 36.42 Manuel Sanguily 65 | 3:21.66 John Bleck 65 | 14:39.81 Doug Strong 73 | 3:52.82 Paul Hutinger 73 |
| 36.75 Ronald Johnson 67 | 3:24.63 Robert MacDonald 69 | ▪ 1500 M. FREESTYLE | 4:00.65 Lee Arth 73 |
| 39.40 Bob Best 65 | 3:29.66 Donald Baker 67 | 22:59.14 ROGER FRANKS 98 | 4:00.83 August Motmans 70 |
| 39.99 Myron Lockey 66 | 3:32.81 Gordon Gillin 67 | 22:59.14 Roger Franks 71 | 4:01.05 Luman Sutton 71 |
| 40.23 John Kortheuer 67 | ▪ 400 M. INDIVIDUAL MEDLEY | 25:30.62 Robert Heritier 70 | 4:04.53 Norman Garsoe 74 |
| 40.78 Chuck Baldwin 68 | 6:08.44 GRAHAM JOHNSTON 96 | 26:40.57 Lee Arth 73 | 4:05.52 Tom Maine 72 |
| 41.28 Norman Stupfel 65 | 6:21.18 Graham Johnston 67 | 27:01.13 Elmer Luke 72 | 4:05.56 Roger Franks 71 |
| 41.86 Thomas Koenig 66 | 7:07.42 Herb Kern 66 | 27:08.76 Tom Maine 72 | ▪ 50 M. BUTTERFLY |
| 42.57 Robert MacDonald 69 | 7:09.40 Horace Knowlton 69 | 27:22.29 Fred W Trask 70 | 33.79 FRANK PIEMME 96 |
| 43.10 Tom Taylor 67 | 7:24.38 John Bleck 65 | 27:30.94 William Irwin 70 | 37.50 Joseph Kurtzman 72 |
| ▪ 100 M. BREASTSTROKE | 7:39.37 Gordon Gillin 67 | 27:54.45 Jordan Wolle 70 | 37.71 Frank Piemme 73 |
| 1:24.16 MANUEL SANGUILY 98 | 7:48.68 Charles Kohnken 66 | 27:59.93 Robert Blake 73 | 37.78 Winthrop Wilson 71 |
| 1:24.16 Manuel Sanguily 65 | 8:02.94 Norman E Stupfel 65 | 28:26.50 John Daily 70 | 38.34 Thomas Smith 71 |
| 1:25.46 Ronald Johnson 66 | 8:03.25 Stephen Mullins 66 | ▪ 50 M. BACKSTROKE | 38.95 Donald Hubbard 71 |
| 1:28.16 John Kortheuer 67 | 8:13.32 Nicholas Berenyi 65 | 37.10 PAUL HUTINGER 95 | 39.95 Paul Hutinger 73 |
| 1:31.93 Bob Best 65 | 8:30.03 Bob Danielson 68 | 39.46 Paul Hutinger 73 | 41.02 Matthew Flanagan 72 |
| 1:33.94 Myron Lockey 66 | | 40.35 Thomas Smith 71 | 42.06 Luman Sutton 71 |
| 1:35.67 Robert MacDonald 69 | MEN 70-74 | 41.72 Frank Campbell 72 | 44.46 Jack Mitchell 71 |
| 1:35.88 Norman Stupfel 65 | | 42.04 Dale Webster 72 | 44.68 Ted Haartz 70 |
| 1:40.21 Tom Taylor 67 | ▪ 50 M. FREESTYLE | 43.44 Adin Merrow 74 | ▪ 100 M. BUTTERFLY |
| 1:40.31 John Bleck 65 | 29.35 KELLEY LEMMON 84 | 44.29 William Phillips 70 | 1:24.84 JOSEPH KURTZMAN 96 |
| 1:40.39 Nicholas Berenyi 65 | 31.88 Frank Piemme 73 | 45.05 Matthew Flanagan 72 | 1:30.12 Winthrop Wilson 71 |
| ▪ 200 M. BREASTSTROKE | 32.39 Al Craig 70 | 45.14 George Erswell 71 | 1:33.53 Joseph Kurtzman 72 |
| 3:10.23 RONALD JOHNSON 98 | 32.67 Robert Blake 73 | 45.22 Tom Flynn 70 | 1:43.04 Thomas Smith 71 |
| 3:10.23 Ronald Johnson 66 | 33.31 Bob Heritier 70 | 46.40 Don L Stupfel 70 | 1:47.14 Roger Franks 71 |
| 3:14.51 Manuel Sanguily 65 | 33.58 Paul Hutinger 73 | ▪ 100 M. BACKSTROKE | 1:49.97 Lee Arth 73 |
| 3:29.80 Bob Best 65 | 33.82 William Phillips 70 | 1:24.14 PAUL HUTINGER 95 | 1:56.47 Donald Hubbard 71 |
| 3:35.61 Graham Johnston 67 | 33.91 Donald Hubbard 71 | 1:24.50 Roger Franks 71 | 2:04.78 Bruno Weber 71 |
| 3:36.05 Myron Lockey 66 | 34.35 William Irwin 70 | 1:27.89 Paul Hutinger 73 | 2:18.92 Warren Foster 73 |
| 3:37.10 Robert MacDonald 69 | 34.51 Frank Campbell 72 | 1:30.44 Thomas Smith 71 | 2:20.43 Alex McIntosh 74 |
| 3:38.31 John Bleck 65 | 35.69 Fred W Trask 70 | 1:33.12 Frank Campbell 72 | 2:24.18 Paul Hudek 71 |
| 3:39.44 Tom Taylor 67 | ▪ 100 M. FREESTYLE | 1:35.45 Dale Webster 72 | ▪ 200 M. BUTTERFLY |
| 3:40.83 Norman Stupfel 65 | 1:10.16 FRANK PIEMME 95 | 1:37.02 Adin Merrow 74 | 3:26.05 JOSEPH KURTZMAN 96 |
| 3:43.14 Alan Maloney 69 | 1:11.71 William Phillips 70 | 1:41.78 John Murphy 73 | 3:41.96 Joseph Kurtzman 72 |
| ▪ 50 M. BUTTERFLY | 1:16.39 Al Craig 70 | 1:41.93 Luman Sutton 71 | 3:45.92 Roger Franks 71 |
| 30.81 RONALD JOHNSON 98 | 1:17.00 Robert Blake 73 | 1:44.10 Matthew Flanagan 72 | 3:57.24 Tom Maine 72 |
| 30.81 Ronald Johnson 67 | 1:17.68 Frank Piemme 73 | 1:44.42 Lee Arth 73 | 4:23.71 Bruno Weber 71 |
| 33.05 Herb Kern 66 | 1:18.32 William Irwin 70 | ▪ 200 M. BACKSTROKE | 4:52.47 Art Kelley 72 |
| 34.49 John Kortheuer 67 | 1:19.17 George Erswell 71 | 3:04.42 ROGER FRANKS 97 | 4:57.37 Doug Strong 73 |
| 35.19 Chuck Baldwin 68 | 1:19.65 Fred W Trask 70 | 3:25.83 Paul Hutinger 73 | 5:19.84 Alex McIntosh 74 |
| 35.52 Clarke Mitchell 66 | 1:19.88 Robert Heritier 70 | 3:30.74 Adin Merrow 74 | 5:35.13 Warren Foster 73 |
| 36.94 Norman E Stupfel 65 | 1:21.48 Thomas Smith 71 | 3:35.30 Frank Campbell 72 | 7:46.53 Vladimir Ouchakof 74 |
| 36.95 Parry O'Brien 66 | 1:24.73 Jordan Wolle 70 | 3:35.50 Ted Haartz 70 | ▪ 200 M. INDIVIDUAL MEDLEY |
| 37.00 Bob Best 65 | ▪ 200 M. FREESTYLE | 3:37.03 Ralph Coxhead 70 | 3:08.99 FRANK PIEMME 96 |
| 37.68 Myron Lockey 66 | 2:37.00 WILLIAM PHILLIPS 98 | 3:38.59 Dale Webster 72 | 3:16.72 Roger Franks 71 |
| 37.74 Donald Baker 67 | 2:37.00 William Phillips 70 | 3:40.15 Elmer Luke 72 | 3:26.25 Frank Piemme 73 |
| ▪ 100 M. BUTTERFLY | 2:52.68 Winthrop Wilson 71 | 3:44.50 Lee Arth 73 | 3:30.56 William Phillips 70 |
| 1:16.85 RONALD JOHNSON 98 | 2:58.07 Bob Heritier 70 | 3:44.76 Luman Sutton 71 | 3:32.19 Paul Hutinger 73 |
| 1:16.85 Ronald Johnson 67 | 2:58.12 William Irwin 70 | 3:51.18 Tom Maine 72 | 3:32.88 Thomas Smith 71 |
| 1:28.87 Herb Kern 66 | 2:58.97 Frank Piemme 73 | ▪ 50 M. BREASTSTROKE | 3:38.16 Luman Sutton 71 |
| 1:31.45 Graham Johnston 67 | 3:07.51 Robert Blake 73 | 40.77 BARTON GREENBERG 95 | 3:41.30 Lee Arth 73 |
| 1:33.05 Clarke Mitchell 66 | 3:10.64 Elmer Luke 72 | 43.54 Ted Haartz 70 | 3:58.89 Dale Webster 72 |
| 1:37.25 Bob Best 65 | 3:11.04 Jordan Wolle 70 | 44.04 William Irwin 70 | 4:03.40 Bruno Weber 71 |
| 1:37.27 Norman E Stupfel 65 | 3:12.03 Fred W Trask 70 | 44.15 Frank Piemme 73 | 4:03.95 Donald Hubbard 71 |
| 1:42.54 John Bleck 65 | 3:12.21 Lee Arth 73 | 44.28 Joseph Kurtzman 72 | ▪ 400 M. INDIVIDUAL MEDLEY |
| 1:43.31 Gordon Gillin 67 | ▪ 400 M. FREESTYLE | 44.64 Al Craig 70 | 6:52.07 FRANK PIEMME 95 |
| 1:45.82 Parry O'Brien 66 | 5:40.41 WILLIAM PHILLIPS 98 | 44.72 Paul Hutinger 73 | 7:09.14 Roger Franks 71 |
| 1:47.13 Art Tebbens 68 | 5:40.41 William Phillips 70 | 44.96 Matthew Flanagan 72 | 7:59.49 Luman Sutton 71 |
| ▪ 200 M. BUTTERFLY | 5:50.28 Roger Franks 71 | 47.86 August Motmans 70 | 7:59.53 Tom Maine 72 |
| 3:08.79 JOSEPH KURTZMAN 91 | 6:04.22 Winthrop Wilson 71 | 48.38 John Reese 72 | 8:30.91 Dale Webster 72 |
| 3:24.25 Herb Kern 66 | 6:21.25 Bob Heritier 70 | 48.91 John Emanuel 73 | 8:34.82 Bruno Weber 71 |
| 3:41.69 Manuel Sanguily 65 | 6:24.53 Frank Piemme 73 | ▪ 100 M. BREASTSTROKE | 8:56.22 Elmer Luke 72 |
| 3:56.43 Gordon Gillin 67 | 6:40.41 William Irwin 70 | 1:33.20 BENNETT ALLEN 84 | 9:27.02 Doug Strong 73 |
| 4:02.89 Parry O'Brien 66 | 6:52.78 Elmer Luke 72 | 1:36.14 Al Craig 70 | 9:29.19 Lawrence Gallaher 73 |
| 4:04.96 Norman E Stupfel 65 | 6:53.80 Robert Blake 73 | 1:37.95 Ted Haartz 70 | 10:00.43 Art Kelley 72 |
| 4:05.51 Charles Kohnken 66 | 6:54.57 Jordan Wolle 70 | 1:42.29 Frank Piemme 73 | 10:01.13 Warren Foster 73 |
| 4:06.67 Art Tebbens 68 | 6:58.31 Doug Strong 73 | 1:44.91 Joseph Kurtzman 72 | |
| 4:14.77 Bill Rodgers 66 | ▪ 800 M. FREESTYLE | 1:47.08 August Motmans 70 | MEN 75-79 |
| 4:17.74 Larry Svane 68 | 12:03.73 FRANK PIEMME 95 | 1:49.76 Matthew Flanagan 72 | |
| 4:34.88 William Cannon 68 | 12:06.30 William Phillips 70 | 1:49.99 Norman Garsoe 74 | ▪ 50 M. FREESTYLE |
| ▪ 200 M. INDIVIDUAL MEDLEY | 12:08.92 Roger Franks 71 | 1:51.23 Luman Sutton 71 | 32.50 LYLE COLLET 83 |
| 2:50.18 RONALD JOHNSON 98 | 13:07.91 Robert Heritier 70 | 1:51.49 Lee Arth 73 | 32.77 John Florance 75 |
| 2:50.18 Ronald Johnson 67 | 13:44.68 William Irwin 70 | 1:54.16 Roger Franks 71 | 33.14 John Daru 76 |
| 2:56.44 Graham Johnston 67 | 14:10.49 Fred W Trask 70 | ▪ 200 M. BACKSTROKE | 34.32 Rogers Holmes 76 |
| 3:06.31 Herb Kern 66 | 14:16.39 Elmer Luke 72 | 3:30.82 FRANK PIEMME 95 | 34.33 Jurgen Schmidt 75 |
| 3:09.02 Bob Best 65 | 14:23.93 Robert Blake 73 | 3:32.60 Al Craig 70 | 34.60 Andrew Holden 79 |
| 3:17.01 Horace Knowlton 69 | 14:25.14 John Daily 70 | 3:39.55 Ted Haartz 70 | 36.77 Douglas Shook 75 |
| 3:18.11 Clarke Mitchell 66 | 14:32.54 Jordan Wolle 70 | 3:44.34 Frank Piemme 73 | 37.46 Louis Giberson 77 |

1998 LONG-COURSE METERS - TOP-TEN INDIVIDUALS

| | | | | | | | |
|----------------------------|----|---------------------------|----|----------------------------|----|---------------------------|----|
| 37.76 Herb McAuley | 75 | 1:47.11 Earl Walter | 77 | 3:02.62 Jay Charles | 75 | 9:21.81 Maurice Stern | 82 |
| 37.96 Earl Walter | 77 | 1:47.22 Bob Merrick | 78 | 3:58.86 T R Johnson | 76 | 10:14.35 Fred Wright | 82 |
| 38.14 Robert Mosard | 77 | 1:50.20 John Bricker | 77 | 4:18.52 Robert R Hall | 76 | • 800 M. FREESTYLE | |
| • 100 M. FREESTYLE | | 1:54.26 Raymond Hakomaki | 77 | • 200 M. BUTTERFLY | | 14:57.66 ALDO DA ROSA | 98 |
| 1:13.84 RAY TAFT | 95 | 1:58.80 Allen Hellman | 76 | 3:43.56 ANTON CERER | 92 | 14:57.66 Aldo V Da Rosa | 80 |
| 1:17.70 John Florance | 75 | 2:00.55 John Cranch | 76 | 4:31.84 Richard Smith | 78 | 18:10.34 Dexter Woodford | 84 |
| 1:20.11 Jurgen Schmidt | 75 | 2:01.93 Tom A Mc Call | 75 | 5:33.68 William Johnston | 79 | 18:18.24 Jim Triolo | 84 |
| 1:20.71 Andrew Holden | 79 | 2:03.46 Elliott Schofield | 75 | 8:09.78 T R Johnson | 76 | 18:29.56 John Woods | 80 |
| 1:25.51 Gilbert Young | 76 | 2:04.42 James Worrel | 76 | 10:15.15 Dan McNeil | 75 | 19:03.14 Des Sessinghaus | 83 |
| 1:26.53 Bob Merrick | 77 | • 200 M. BACKSTROKE | | • 200 M. INDIVIDUAL MEDLEY | | 19:55.69 Gary Weisenthal | 84 |
| 1:26.61 James Edwards | 75 | 3:15.00 RAY TAFT | 94 | 3:24.38 RAY TAFT | 94 | 21:13.44 Robert E Freeman | 82 |
| 1:27.24 Raymond F Taft | 79 | 3:30.07 Raymond Taft | 79 | 3:39.84 Jurgen Schmidt | 75 | • 1500 M. FREESTYLE | |
| 1:29.38 Louis Giberson | 77 | 3:35.65 Rogers Holmes | 76 | 3:41.48 Raymond Taft | 79 | 28:13.09 Aldo V Da Rosa | 98 |
| 1:30.83 Robert Mosard | 77 | 3:55.55 James Edwards | 75 | 3:49.33 Bob Merrick | 77 | 28:13.09 Aldo V Da Rosa | 80 |
| 1:33.12 Herb McAuley | 75 | 3:55.60 John Bricker | 77 | 4:00.73 Earl Walter | 77 | 32:47.30 John Merrill | 81 |
| • 200 M. FREESTYLE | | 3:56.48 Bob Merrick | 77 | 4:04.91 Richard Smith | 78 | 34:18.43 Dexter Woodford | 84 |
| 2:51.62 RAY TAFT | 95 | 3:56.72 Earl Walter | 77 | 4:17.49 Tom A Mc Call | 75 | 35:37.98 Des Sessinghaus | 83 |
| 3:02.91 Jurgen Schmidt | 75 | 4:02.87 Jurgen Schmidt | 75 | 4:28.49 Dan Miles | 77 | 35:46.72 John Woods | 80 |
| 3:08.04 Raymond Taft | 79 | 4:09.04 Raymond Hakomaki | 77 | 4:43.55 Bob Acker | 77 | 36:45.56 Gary Weisenthal | 84 |
| 3:10.87 James Edwards | 75 | 4:22.04 John Cranch | 76 | 5:07.38 Ted Simon | 76 | • 50 M. BACKSTROKE | |
| 3:17.45 John Florance | 75 | 4:32.89 Elliott Schofield | 75 | 5:18.88 Herb McAuley | 75 | 44.76 ALDO DA ROSA | 98 |
| 3:18.50 Gilbert Young | 76 | • 50 M. BREASTSTROKE | | • 400 M. INDIVIDUAL MEDLEY | | 44.76 Aldo V Da Rosa | 80 |
| 3:22.02 Bob Merrick | 77 | 43.61 BENNETT ALLEN | 89 | 7:21.75 RAY TAFT | 95 | 49.44 Jerry Siefert | 80 |
| 3:28.99 Fred Taioli | 77 | 46.23 Max Von Isser | 78 | 8:08.05 Raymond Taft | 79 | 49.48 John Merrill | 81 |
| 3:31.50 Robert Mosard | 77 | 47.67 Bob Merrick | 78 | 9:00.99 Dan Miles | 77 | 50.67 Bob Christians | 82 |
| 3:33.53 Louis Giberson | 77 | 49.04 Abrasha Brainin | 75 | 9:03.26 Richard Smith | 78 | 50.97 Al Vande Weghe | 80 |
| 3:36.74 Richard T Smith | 78 | 51.42 Raymond Hakomaki | 77 | 10:18.50 Bob Acker | 77 | 53.55 C Edward Johnson | 80 |
| • 400 M. FREESTYLE | | 52.26 John Florance | 75 | 10:30.35 William Johnston | 79 | 55.05 William Johnston | 80 |
| 6:20.87 RAY TAFT | 94 | 53.29 Bob Morrison | 77 | 14:15.30 Dan McNeil | 75 | 58.20 Gary Weisenthal | 84 |
| 6:30.36 Jurgen Schmidt | 75 | 53.41 Raymond F Taft | 78 | <u>MEN 80-84</u> | | | |
| 6:50.36 James Edwards | 76 | 54.85 Bob Acker | 77 | • 50 M. FREESTYLE | | 58.26 Jim Triolo | 84 |
| 6:56.08 Gilbert Young | 76 | 55.00 Bud Jackson | 79 | 33.88 WOODROW BOWERSOCK | 93 | 58.40 William Grant | 84 |
| 7:18.02 Fred Taioli | 77 | 55.05 Robert Lavanture | 76 | 36.21 Jerry Siefert | 80 | • 100 M. BACKSTROKE | |
| 7:27.64 Raymond F Taft | 78 | • 100 M. BREASTSTROKE | | 36.37 Aldo V Da Rosa | 80 | 1:41.52 EDWARD SHEA | 95 |
| 7:29.71 Richard Smith | 78 | 1:39.62 ALDO DA ROSA | 93 | 36.80 Jim Eubank | 82 | 1:42.54 Aldo V Da Rosa | 80 |
| 7:32.14 Bob Merrick | 78 | 1:48.09 Bob Merrick | 78 | 38.32 Brud Cleaveland | 80 | 1:49.75 John Merrill | 81 |
| 8:05.92 Alfredo Utrilla | 78 | 1:50.82 Max Von Isser | 78 | 38.95 Bob Christians | 82 | 1:55.00 Jerry Siefert | 80 |
| 8:09.47 Dan Miles | 77 | 1:54.04 Raymond Hakomaki | 77 | 39.98 Barnet Phillips | 80 | 1:56.85 Bob Christians | 82 |
| 8:10.20 Elliott Schofield | 75 | 1:54.24 Abrasha Brainin | 75 | 40.87 Lynn Surles | 81 | 2:04.78 Al Vande Weghe | 80 |
| • 800 M. FREESTYLE | | 1:55.56 James Worrel | 76 | 41.21 C Edward Johnson | 80 | 2:12.25 Jim Triolo | 84 |
| 12:58.14 RAY TAFT | 95 | 1:59.42 Raymond F Taft | 79 | 41.42 Jim Welch | 80 | 2:13.71 Frank Tillotson | 83 |
| 13:29.15 Jurgen Schmidt | 75 | 2:03.60 Tom A Mc Call | 75 | 41.79 Allan Delay | 83 | 2:14.45 Albert Fisher | 82 |
| 14:12.65 James Edwards | 75 | 2:06.29 Jurgen Schmidt | 75 | • 100 M. FREESTYLE | | 2:20.17 William Grant | 84 |
| 14:20.18 Raymond F Taft | 79 | 2:07.52 Bud Jackson | 79 | 1:22.50 WOODROW BOWERSOCK | 93 | 2:23.64 Walter Sompayrac | 84 |
| 14:40.19 Gilbert Young | 76 | 2:16.55 Ted Simon | 76 | 1:31.12 Jerry Siefert | 80 | • 200 M. BACKSTROKE | |
| 14:55.37 Fred Taioli | 77 | • 200 M. BREASTSTROKE | | 1:34.00 Bob Christians | 82 | 3:42.95 EDWARD SHEA | 95 |
| 15:18.59 Richard Smith | 78 | 3:42.85 ALDO DA ROSA | 94 | 1:34.38 Brud Cleaveland | 80 | 3:58.18 John Merrill | 81 |
| 15:57.45 Bob Merrick | 78 | 4:00.04 Bob Merrick | 78 | 1:40.18 Barnet Phillips | 80 | 4:22.03 Al Vande Weghe | 82 |
| 16:20.93 Dan Miles | 77 | 4:26.48 Dan Miles | 77 | 1:40.45 Jim Welch | 80 | 4:25.74 Bob Christians | 82 |
| 16:32.15 Elliott Schofield | 75 | 4:29.10 Abrasha Brainin | 75 | 1:40.57 Lynn Surles | 81 | 4:36.29 Jim Triolo | 84 |
| 16:59.66 Bob Acker | 77 | 4:31.16 Bud Jackson | 79 | 1:47.51 Allan Delay | 83 | 4:56.03 Albert Fisher | 82 |
| • 1500 M. FREESTYLE | | 4:31.49 Tom A Mc Call | 75 | 1:48.35 Des Sessinghaus | 83 | 4:56.83 Frank Tillotson | 83 |
| 24:53.76 RAY TAFT | 95 | 4:45.36 Raymond F Taft | 79 | 1:50.22 Dexter Woodford | 84 | 5:42.37 Roy Erlandson | 84 |
| 26:00.48 Jurgen Schmidt | 75 | 5:20.24 Ted Simon | 76 | 1:51.98 Harry Bartlett | 82 | 6:44.70 Fred Wright | 82 |
| 27:35.07 James Edwards | 75 | 5:37.24 Herb McAuley | 75 | • 200 M. FREESTYLE | | 8:47.28 George Meffan | 82 |
| 27:46.81 Raymond F Taft | 79 | 6:07.76 Jay Charles | 75 | 3:09.91 ALDO DA ROSA | 98 | • 50 M. BREASTSTROKE | |
| 28:07.23 Gilbert Young | 76 | 6:18.64 Dan McNeil | 75 | 3:09.91 Aldo Da Rosa | 80 | 46.99 BENNETT ALLEN | 94 |
| 28:16.42 Fred Taioli | 77 | • 50 M. BUTTERFLY | | 3:23.95 Jim Eubank | 82 | 48.47 Paul Krup | 80 |
| 29:31.45 Richard Smith | 78 | 37.57 RAY TAFT | 94 | 3:38.43 Jerry Siefert | 80 | 48.48 Bob Christians | 82 |
| 30:28.90 Bob Merrick | 78 | 39.75 Andrew Holden | 79 | 3:39.41 Barnet Phillips | 80 | 49.01 Aldo Da Rosa | 80 |
| 32:29.02 Elliott Schofield | 75 | 39.86 Jurgen Schmidt | 75 | 3:40.37 Jim Welch | 80 | 49.89 Brud Cleaveland | 80 |
| 33:38.50 Alfredo Utrilla | 78 | 40.35 Rogers Holmes | 76 | 3:49.00 Brud Cleaveland | 80 | 52.55 Bennett Allen | 84 |
| 34:38.57 Zygmond Kasner | 75 | 43.33 Max Von Isser | 78 | 3:58.12 Bob Christians | 82 | 56.04 Murray Eager | 81 |
| • 50 M. BACKSTROKE | | 45.34 Raymond F Taft | 79 | 4:00.36 Lynn Surles | 81 | 56.82 Russ Witte | 81 |
| 39.49 RAY TAFT | 94 | 48.94 Louis Giberson | 77 | 4:06.92 Des Sessinghaus | 83 | 57.46 Jopaul Steiner | 82 |
| 41.95 Rogers Holmes | 76 | 50.82 Earl Walter | 77 | 4:08.54 Gary Weisenthal | 84 | 1:07.35 Allan Delay | 83 |
| 42.60 Raymond Taft | 79 | 51.64 Abrasha Brainin | 75 | • 400 M. FREESTYLE | | 1:09.18 Dick Bradford | 81 |
| 46.58 Earl Walter | 77 | 54.25 Tom A Mc Call | 75 | 7:04.71 ALDO DA ROSA | 98 | • 100 M. BREASTSTROKE | |
| 46.64 Bob Merrick | 78 | 1:00.65 Herb McAuley | 75 | 7:04.71 Aldo Da Rosa | 80 | 1:47.10 ALDO DA ROSA | 98 |
| 48.23 Jurgen Schmidt | 75 | • 100 M. BUTTERFLY | | 7:39.01 Jim Eubank | 82 | 1:47.10 Aldo Da Rosa | 80 |
| 49.59 Richard Avery | 75 | 1:39.80 ANTON CERER | 92 | 8:35.73 Lynn Surles | 81 | 1:57.68 Paul Krup | 80 |
| 49.79 Raymond Hakomaki | 77 | 1:43.58 Andrew Holden | 79 | 8:43.04 Dexter Woodford | 84 | 2:01.40 Brud Cleaveland | 80 |
| 49.99 Gilbert Young | 76 | 1:58.78 Jurgen Schmidt | 75 | 8:52.39 Jim Triolo | 84 | 2:09.69 Murray Eager | 81 |
| 50.36 Elliott Schofield | 75 | 2:01.54 Bob Merrick | 77 | 9:03.30 John Woods | 80 | 2:11.66 Russ Witte | 81 |
| 52.10 John Bricker | 77 | 2:03.73 Earl Walter | 77 | 9:03.95 Harry Bartlett | 82 | 2:15.28 Bob Christians | 82 |
| • 100 M. BACKSTROKE | | 2:04.97 Richard T Smith | 78 | 9:18.24 Des Sessinghaus | 83 | 2:15.51 Walter Pfeiffer | 84 |
| 1:29.52 RAY TAFT | 95 | 2:11.97 Louis Giberson | 77 | | | 2:50.10 Frank Havlicek | 80 |
| 1:36.44 Raymond Taft | 79 | 2:18.65 Raymond F Taft | 79 | | | 2:52.10 William Grant | 84 |
| | | | | | | 8:47.28 George Meffan | 82 |

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| | | | |
|---|--|---|---|
| <ul style="list-style-type: none"> • 200 M. BREASTSTROKE 4:00.64 ALDO DA ROSA 98 4:00.64 Aldo Da Rosa 80 4:14.75 Paul Krup 80 4:27.49 E Don McCullough 82 4:28.56 Brud Cleaveland 80 4:43.29 Russ Witte 81 4:43.74 Walter Pfeiffer 84 4:46.30 Murray Eager 81 6:09.67 Frank Tillotson 84 • 50 M. BUTTERFLY 48.70 PAUL KRUP 98 48.70 Paul Krup 80 51.27 Aldo V Da Rosa 80 52.28 William Johnston 80 52.81 Bob Christians 82 55.12 Walter Pfeiffer 84 56.85 E Don McCullough 82 1:19.26 Albert Fisher 82 • 100 M. BUTTERFLY 1:55.39 ANTON CERER 97 1:58.01 Aldo Da Rosa 80 2:04.58 Paul Krup 80 2:09.82 Walter Pfeiffer 84 2:15.17 William Johnston 80 2:32.85 E Don McCullough 82 2:54.71 George Rafter 81 • 200 M. BUTTERFLY 4:11.09 ANTON CERER 98 4:11.09 Anton Cerer 81 4:31.44 Aldo Da Rosa 80 4:41.28 Paul Krup 80 4:54.40 Walter Pfeiffer 84 5:25.53 E Don McCullough 82 5:48.02 William Johnston 80 6:05.63 George Rafter 81 • 200 M. INDIVIDUAL MEDLEY 3:43.82 ALDO DA ROSA 98 3:43.82 Aldo Da Rosa 80 3:54.57 Anton Cerer 81 4:22.36 Walter Pfeiffer 84 4:23.96 Bob Christians 82 4:46.14 William Johnston 80 4:50.16 E Don McCullough 82 4:55.05 Al Vande Weghe 82 5:18.56 George Rafter 81 • 400 M. INDIVIDUAL MEDLEY 8:13.49 ANTON CERER 97 8:14.86 Aldo Da Rosa 80 9:32.41 Walter Pfeiffer 84 10:17.57 E Don McCullough 82 10:32.47 William Johnston 80 11:03.37 George Rafter 81 | <ul style="list-style-type: none"> 3:10.69 Roy Bodine 87 3:19.63 Don Neefe 89 • 200 M. FREESTYLE 3:48.91 GUS LANGNER 88 3:45.35 Woodrow Bowersock 85NV 4:27.16 Dave Malbrough 85 4:27.97 Fred Walbolt 85 4:55.84 Tex Robertson 89 6:01.20 Boyd Campbell 88 11:43.93 Stacy Van Petten 86 • 400 M. FREESTYLE 8:14.50 GUS LANGNER 88 8:58.07 Woodrow Bowersock 85 9:24.56 Fred Walbolt 85 10:00.78 Dave Malbrough 85 10:52.86 Tex Robertson 89 12:22.30 Boyd Campbell 88 23:47.75 Stacy Van Petten 86 • 800 M. FREESTYLE 17:11.21 GUS LANGNER 88 18:57.97 Woodrow Bowersock 85 20:12.13 Herbert Howe 86 • 1500 M. FREESTYLE 33:08.42 GUS LANGNER 89 37:57.02 Dave Malbrough 85 38:33.30 Herbert Howe 86 39:04.53 Fred Walbolt 85 • 50 M. BACKSTROKE 53.24 DAVE MALBROUGH 98 53.24 Dave Malbrough 85 56.00 Woodrow Bowersock 85 59.21 Raymond Edelhoff 85 1:14.21 Tex Robertson 89 1:19.33 Fred Walbolt 85 1:19.99 William Kirar 87 1:28.40 Boyd Campbell 88 1:30.13 Joseph L Trammell 85 1:37.91 Roy Bodine 87 1:43.89 Don Neefe 89 • 100 M. BACKSTROKE 2:05.27 DAVE MALBROUGH 98 2:05.27 Dave Malbrough 85 2:22.86 Woodrow Bowersock 85 2:51.63 Don Neefe 89 2:54.52 Fred Walbolt 85 2:55.97 Boyd Campbell 88 3:11.66 Tex Robertson 89 3:17.90 Otto Hahn 85 3:28.28 Roy Bodine 87 3:40.83 Joseph L Trammell 85 4:19.21 Ruben Berg 85 • 200 M. BACKSTROKE 4:43.49 JIM PENFIELD 93 4:44.27 Dave Malbrough 85 5:59.55 Fred Walbolt 85 6:03.34 Tex Robertson 89 9:27.48 Ruben Berg 85 10:50.32 Stacy Van Petten 86 • 50 M. BREASTSTROKE 1:01.47 AL KALLUNKI 89 1:13.93 Dave Malbrough 85 1:23.45 Larry Hart 86 • 100 M. BREASTSTROKE 2:20.99 WILLIAM MOLLOY 95 2:56.85 Jesse Coon 87 3:15.75 Larry Hart 86 • 200 M. BREASTSTROKE 4:36.86 HAROLD PERRY 96 6:36.25 Jesse Coon 87 7:42.18 Larry Hart 86 • 50 M. BUTTERFLY 58.13 JESSE COON 96 1:10.67 Jesse Coon 87 • 100 M. BUTTERFLY 2:30.73 JESSE COON 96 3:30.85 Jesse Coon 87 • 200 M. BUTTERFLY 6:11.68 JESSE COON 96 | <ul style="list-style-type: none"> 7:49.71 Jesse Coon 87 • 200 M. INDIVIDUAL MEDLEY 5:16.84 JESSE COON 96 6:21.89 Jesse Coon 87 • 400 M. INDIVIDUAL MEDLEY 11:59.54 JESSE COON 97 NO SWIMMERS <p style="text-align: center; margin: 10px 0;">MEN 90-94</p> <ul style="list-style-type: none"> • 50 M. FREESTYLE 48.70 GUS LANGNER 93 1:37.87 Harold Hoffman 90 • 100 M. FREESTYLE 1:57.91 GUS LANGNER 93 2:55.31 Jim Penfield 90 3:53.41 Harold Hoffman 90 • 200 M. FREESTYLE 4:28.34 GUS LANGNER 93 NO SWIMMERS • 400 M. FREESTYLE 9:44.11 GUS LANGNER 93 NO SWIMMERS • 800 M. FREESTYLE 20:13.74 GUS LANGNER 93 NO SWIMMERS • 1500 M. FREESTYLE 36:47.02 GUS LANGNER 93 NO SWIMMERS • 50 M. BACKSTROKE 1:03.20 JIM PENFIELD 98 1:03.20 Jim Penfield 90 • 100 M. BACKSTROKE 2:30.11 JIM PENFIELD 98 2:30.11 Jim Penfield 90 • 200 M. BACKSTROKE 5:43.96 JOE KAUFMAN 95 NO SWIMMERS • 50 M. BREASTSTROKE 1:09.80 JIM PENFIELD 98 1:09.80 Jim Penfield 90 • 100 M. BREASTSTROKE 3:09.64 GUS LANGNER 93 NO SWIMMERS • 200 M. BREASTSTROKE 6:24.54 GUS LANGNER 93 NO SWIMMERS • 50 M. BUTTERFLY 1:26.07 JIM PENFIELD 98 1:26.07 Jim Penfield 90 • 200 M. INDIVIDUAL MEDLEY 7:02.80 JIM PENFIELD 98 7:02.80 Jim Penfield 90 | <ul style="list-style-type: none"> 1:26.61 GUS LANGNER 98 1:26.61 Gus Langner 95 • 100 M. BREASTSTROKE 3:38.45 GUS LANGNER 98 3:38.45 Gus Langner 95 • 200 M. BREASTSTROKE 7:37.17 GUS LANGNER 98 7:37.17 Gus Langner 95 <p style="text-align: center; margin: 10px 0;">MEN 100-104</p> <ul style="list-style-type: none"> • 50 M. FREESTYLE 1:40.46 TOM LANE 94 NO SWIMMERS • 100 M. FREESTYLE 4:05.98 TOM LANE 94 NO SWIMMERS • 50 M. BACKSTROKE 1:50.73 TOM LANE 94 NO SWIMMERS • 100 M. BACKSTROKE 4:13.84 TOM LANE 94 NO SWIMMERS • 200 M. BACKSTROKE 9:04.31 TOM LANE 94 NO SWIMMERS |
| <p>MEN 85-89</p> <ul style="list-style-type: none"> • 50 M. FREESTYLE 35.77 WOODROW BOWERSOCK 98 35.77 Woodrow Bowersock 85 50.64 Dave Malbrough 85 52.80 Fred Walbolt 85 55.96 Raymond Edelhoff 85 56.56 Joseph L Trammell 85 1:08.75 Boyd Campbell 88 1:23.56 Roy Bodine 87 1:24.94 Don Neefe 89 1:30.47 Ruben Berg 85 1:37.71 Larry Hart 86 • 100 M. FREESTYLE 1:33.49 WOODROW BOWERSOCK 98 1:27.61 Woodrow Bowersock 85NV 1:57.20 Herbert Howe 86 1:58.56 Dave Malbrough 85 2:00.85 Fred Walbolt 85 2:08.89 Tex Robertson 89 2:13.88 Joseph L Trammell 85 2:32.75 William Kirar 87 2:38.00 Boyd Campbell 88 | <p>MEN 95-99</p> <ul style="list-style-type: none"> • 50 M. FREESTYLE 55.88 GUS LANGNER 98 55.88 Gus Langner 95 • 100 M. FREESTYLE 2:29.32 GUS LANGNER 98 2:29.32 Gus Langner 95 • 200 M. FREESTYLE 5:13.23 GUS LANGNER 98 5:13.23 Gus Langner 95 • 400 M. FREESTYLE 11:30.53 GUS LANGNER 98 11:30.53 Gus Langner 95 • 800 M. FREESTYLE 22:28.28 GUS LANGNER 98 22:28.28 Gus Langner 95 • 50 M. BACKSTROKE 1:18.91 TOM LANE 89 1:56.25 Gus Langner 95 • 100 M. BACKSTROKE 3:19.14 TOM LANE 92 NO SWIMMERS • 50 M. BREASTSTROKE | | |

1998 LONG-COURSE METERS - TOP-TEN RELAYS

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| <p><HTML> <BODY></p> <p style="text-align: center;"><u>WOMEN'S RELAYS</u></p> <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>LYTA 2:01.78 Elizabeth Irving 25 Suzan Dearworth 26 Gillian Spiller 26 Car Kadyszewski 22</p> <p>CRESCENT HILL 2:15.41 Jennifer Kroh 19 F Bader 25 Emilee Causey 19 Julie Howard 24</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>SDM 1:58.24 Jennifer Brewer 22 Christine Jeffrey 25 Karen Andrews 36 Susan Fawcett 24</p> <p>PSC 2:02.44 Michele Booth 34 Debra Capponi 30 Amy Zemaitis 19 Linda Gallo 21</p> <p>GOLD 2:02.58 Linda Haus 30 Brenda Tomtan 25 Michell Schraer 27 Mary Gardner 33</p> <p>SPM 2:04.03 Val Niedermeyer 29 Tanya Lane 26 Jamie Watkins 22 Caroli Hamilton 23</p> <p>VMST 2:07.03 Shann Summerlin 25 Rebecca Miller 19 Paula Jones 29 Kitten Braaten 43</p> <p>ART 2:12.15 Rae Riley 34 Jill Vanauken 29 Mary Murphy 31 Jill Burgtorf 25</p> <p>OREG 2:13.80 Lindsay Sovde 28 Cathy Law 30 Emilie Torretta 30 Christy Grafton 28</p> <p>INLAND MASTERS 2:14.24 Mary Danapilis 25 Lisa Breed 30 Lisa Good 35 Virginia Moretto 29</p> <p>ALL ACADIANA AQ 2:14.30 Amber Storch 23 R Schoenbeck 20 Holli Guidry 29 Julie Gurzi 29</p> <p>CRESCENT HILL 2:16.18 Bridget Nastasi 31</p> | <p>Kristi Berg 24 Donna Johnson 30 Beth Blincoe 27</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>GOLD 1:53.10 Jami Herrington 32 Christena Pazos 30 Susie Geyer 25 Tracie Moll 34</p> <p>SPM 1:55.70 Lisa Summers 27 Andrea Nauta 39 Cath Shonkwiler 38 Charlo Petersen 34</p> <p>RMM 1:58.23 Kathy Garnier 38 aura Mckeever 30 Jennifer Rocke 33 Laureen Welting 32</p> <p>SWIM 2:04.91 Michelle Sutton 29 Martha Liggett 28 Adrienne Seal 33 Liz Burchett 36</p> <p>CRAWFISH MASTER 2:06.24 Karlene Wise 44 Leslie Stanley 36 Thesia Krajewski 42 Ann Hill 28</p> <p>SDM 2:06.43 Jonelle Schmidt 47 Ellen Baird 28 Kim Dever 36 Karen West 27</p> <p>NCMS 2:08.44 Heather Hageman 27 Mary Sansbury 45 Karen Tallmadge 36 Rachel Gunn 27</p> <p>SPM 2:10.13 Mindy Harvard 32 Maud Orlando 35 Kim Stott 39 Kelly Knetsch 33</p> <p>MICH 2:12.72 Julie Moody 29 Jill Oviatt 31 Shirley Dacey 61 Dawn Hewitt 33</p> <p>OREG 2:13.88 Jeanne Thimm 34 Liz Cheney 41 Dion Patterson 40 Martina Ralle 32</p> <p>200 M. FREE REL WOMEN 160+</p> <p>TTEX 1:58.76 98 S NEILSON-BELL JUDY LAMBERT JANN GIRARD SHARON WENCEL</p> <p>TTEX 1:58.76 Sa Neilson-Bell 42 Judy Lambert 42 Jann Girard 38 Sharon Wencel 39</p> <p>NEM 2:02.56 Constan Hallett 39 Ka Nisley-Black 42 Tracy Grilli 41</p> | <p>Jacki Hirsty 45 VMST 2:03.39 Terry Gault 47 Lisa Bennett 42 Patty Powis 37 Beth Baker 37</p> <p>LAKESIDE MASTER 2:06.27 Amy Pope 37 Pam Martin 40 Melinda Schmitt 39 A Wright-Belknap 47</p> <p>SPM 2:09.66 Judy Tibma 42 Melissa Dipple 38 Joann Harrelson 42 Tricia Moses 38</p> <p>ARIZ 2:14.44 Sally Bolar 59 Rane Stites 34 Paula Lessard 35 Kerry Lutzker 32</p> <p>GOLD 2:17.58 Michell Hammons 27 Anne Laborwit 48 Rorie Anderson 47 Cathy Mancino 48</p> <p>OREG 2:18.52 Kathryn Bullock 44 Christine Clum 52 Robin Young 43 Christy Hartman 45</p> <p>TBAC 2:19.98 Caryl Albergo 35 Susan Curtin 44 Janet Thompson 52 Becky Nelson 34</p> <p>EMPIRE 2:21.63 Laurie Cotter 42 Catherine Lynch 37 Eileen Fagan 36 Kathleen Romano 52</p> <p>200 M. FREE REL WOMEN 200+</p> <p>LOS ALTOS 2:08.96 94 LAURA VAL SUSAN ROY DELLA SEHORN CAROLYN BOAK</p> <p>SWIM 2:16.84 Deb Walker 47 Jean Garbus 64 Lynn Cartee 51 Martha Dodd 40</p> <p>GOLD 2:17.71 Janet Zann 47 Debbi Cavanaugh 40 June Krauser 72 Gail Rice 42</p> <p>GOLD 2:18.85 Marcia Barry 49 Jean Turner 50 Margaret Dwyer 62 Meg May 40</p> <p>OREG 2:22.64 Monika Hunscher 50 Jachie Quattro 50 Alice Zabudsky 53 Sandi Rousseau 50</p> <p>SPM 2:25.36 Lindsay Powell 49 Pam Geiger 45 Leslie Treat 49 Jayne Lambke 59</p> <p>IM 2:38.46 Mary Pohlmann 53 Hannelor Snyder 68 Betty Bennett 55</p> | <p>Jennifer Ridge 29 NEM 2:40.94 Susa Livingston 60 Carol Adams 54 Marian Coakley 60 Jennifer Cullen 27</p> <p>OREG 3:00.17 Kaleo Schroder 62 Nancy Milner 47 Kaye Cushing 47 Kristi Riddle 49</p> <p>RAINBOW AM 3:10.84 Puanani Eppard 48 Terrie Monfore 40 Diana Duff 54 Shay Bintliff 63</p> <p>OREG 3:29.01 Peggy Whiter 54 Connie Guist 51 Judy Melcher 78 Pamela Himstreet 54</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>DCM 2:18.70 Barbara Frid 56 Joann Leilich 59 Barbar Zaremski 61 Jayne Bruner 64</p> <p>CONN 2:39.11 Christie Hayes 50 Margit Jebe 60 Ann Louise Onton 54 Doroth Donnelly 76</p> <p>TAM 2:47.94 Bea Heim 72 Marty Barry 66 Nancy Ridout 56 Laura Val 46</p> <p>SPM 2:58.50 Ka Knight-Perry 63 Beverley Tucker 63 Elaine Bromwich 55 Sandy Steer 59</p> <p>LAKESIDE MASTER 3:07.98 Carol Ferguson 66 Mary Jane Mullins 67 Sue Jewell 55 Mary Ann Haragan 64</p> <p>VMST 3:11.02 Roberta Sugden 81 Laura Walker 60 Betsy Durrant 56 Nancy Miller 48</p> <p>HEARTLAND 3:18.94 Marilyn Ramey 58 Marlee Valderhaug 56 Nancy Reed 51 Bernie Pollett 61</p> <p>OJAI-SANTA BARB 3:31.78 Maggie Mors 72 Malchia Olshan 67 Ruth Farnham 68 Gay Collins 68</p> <p>SDM 4:22.11 Rose Steward 80 Peggy Finch 50 Margaret Nagle 81 M Chaisson-Stewart 59</p> <p>200 M. FREE REL WOMEN 280+</p> <p>NEW ENGLAND 2:38.52 96</p> |
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1998 LONG-COURSE METERS - TOP-TEN RELAYS

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|----------------------------|------------|----------------------------|------------|----------------------------|------------|----------------------------|------------|
| CLARA WALKER | | Jennifer Kroh | 19 | RMM | 2:17.38 | MENLO PARK MAS | 2:34.53 |
| BILLIE BURRILL | | Kasie Hennessey | 19 | Jennifer Rocke | 33 | June Burks | 41 |
| PETEY SMITH | | ALL ACADIANA AQ | 2:34.56 | Laureen Welting | 32 | Katherine Bass | 46 |
| DIANE REED | | Amber Storch | 23 | Laura McKeever | 30 | Judy Strauss | 43 |
| OREG | 3:04.01 | Holli Guidry | 29 | Kathy Garnier | 38 | Ginny Langmuir | 45 |
| Louise Hepner | 73 | R Schoenbeck | 20 | OREG | 2:19.41 | CONN | 2:35.71 |
| Margaret Wells | 72 | Joylynn Pitre | 26 | Martina Ralle | 32 | Rae A Rutkowski | 36 |
| Pauline Stangel | 76 | CRAWFISH MASTER | 2:51.27 | Christy Hartman | 45 | Christie Hayes | 50 |
| Susanne Schumann | 60 | Laurie McKnight | 26 | Jeanne Thimm | 34 | Jennif Wechsler | 31 |
| OJAI-SANTA BARB | 3:22.70 | Janet Huang | 19 | Lisa Hjerpe | 29 | Janit Romayko | 53 |
| Ruth Baar | 75 | Ariane Generes | 20 | SDM | 2:19.52 | SPM | 2:36.04 |
| Grace Altus | 74 | Ruth Davis | 23 | Kristina Kupanoff | 24 | Kim Stott | 39 |
| Malchia Olshan | 67 | 200 M. MEDLEY R WOMEN 100+ | | Laura Winslow | 38 | Joann Harrelson | 42 |
| Gay Collins | 68 | HOLMES | 2:06.67 88 | Jonelle Schmidt | 47 | Tricia Moses | 38 |
| SPM | 3:35.46 | BETH MAUER | | Liz Tucker | 39 | Pam Geiger | 45 |
| Florence Carr | 73 | DEB WALKER | | SPM | 2:21.54 | NCMS | 2:37.15 |
| Win Kennedy | 85 | TISH BUCHER | | Andrea Nauta | 39 | Sandra Cathey | 49 |
| June Reynolds | 76 | MARY HOLMES | | Juy Tibma | 42 | Sally Newell | 60 |
| Barbara Allen | 65 | VMST | 2:18.55 | Cathy Shonkwiler | 38 | Beverly Amick | 44 |
| COAST MASTERS A | 4:09.84 | Shann Summerlin | 25 | Lisa Flanagan | 35 | Heather Hageman | 27 |
| Kathy Dixon | 71 | Patty Powis | 37 | TBAC | 2:25.35 | 200 M. MEDLEY R WOMEN 200+ | |
| Louise Bogaards | 76 | Rebecca Miller | 19 | Maureen Jones | 34 | SAN DIEGO | 2:23.07 98 |
| Madeleine Miller | 87 | Paula Jones | 29 | Merit Greaves | 34 | BETSY JORDAN | |
| Maurine Kornfeld | 76 | SPM | 2:20.44 | Becky Nelson | 34 | CAROLINE KRATTLI | |
| OREG | 4:28.49 | Tanya Lane | 26 | Carol Carter | 34 | BARBARA DUNBAR | |
| Elfie Stevenin | 76 | Lisa Summers | 27 | MICH | 2:26.47 | JACKIE MARR | |
| Ada Hebert | 82 | Mindy Harvard | 32 | Julie Moody | 29 | SAN DIEGO SWIM | 2:23.07 |
| Kathy Hughes | 71 | Kelly Knetsch | 32 | Jill Oviatt | 31 | Betsy Jordan | 61 |
| Peny Deiro | 51 | HOT | 2:29.63 | Dawn Hewitt | 33 | Caroline Krattli | 36 |
| 200 M. FREE REL WOMEN 320+ | | Kendy Radasky | 22 | Shirley Dacey | 61 | Barbara Dunbar | 49 |
| WALNUT CREEK | 3:49.73 98 | Kerry Lutzker | 32 | SWIM | 2:26.71 | Jackie Marr | 55 |
| SALLY JOY | | Lisa Sartori | 33 | Martha Liggett | 28 | VMST | 2:32.94 |
| JAE HOWELL | | Nichole Denomy | 23 | Liz Burchett | 36 | Beth Baker | 37 |
| JEAN DURSTON | | INLAND MASTERS | 2:30.76 | Michelle Sutton | 29 | Betsy Durrant | 56 |
| MARY JANE REEVES | | Karen Feld | 31 | Adrienne Seal | 33 | Terry Gault | 47 |
| WCM | 3:49.73 | Virginia Moretto | 29 | WALNUT CREEK MA | 2:27.12 | Laura Walker | 60 |
| Sally Joy | 81 | Mary Danapolis | 25 | Penny Leach | 35 | SPM | 2:38.05 |
| Jae Howell | 75 | Lisa Breed | 30 | B J Henry | 34 | Lindsay Powell | 49 |
| Jean Durston | 84 | OREG | 2:32.56 | Kathy Woehrl | 35 | Leslie Treat | 49 |
| Mary Jane Reeves | 81 | Heather McClellan | 25 | Michelle Ghiggeri | 29 | Anne Page | 50 |
| DCM | 4:08.47 | Sandi Bahler | 30 | 200 M. MEDLEY R WOMEN 160+ | | Jayne Lambke | 59 |
| Ruth Thorsen | 78 | Cathy Law | 30 | LOS ALTOS | 2:12.91 94 | THE OLYMPIC CL | 2:40.31 |
| Jean Chenaux | 84 | Christy Grafton | 28 | CHRIS BREEDY | | Margery Meyer | 75 |
| Mary Lathram | 83 | CRESCENT HILL | 2:35.28 | SUSAN ROY | | Danielle Ogier | 45 |
| Anne Walker | 82 | F Bader | 25 | LAURA VAL | | Phyllis Quinn | 42 |
| 200 M. MEDLEY R WOMEN 76+ | | Julie Howard | 24 | CAROLYN BOAK | | Marguerite Meyer | 39 |
| UNIV SAN FRAN | 2:12.59 92 | Beth Blincoe | 27 | TTEX | 2:16.25 | SWIM | 2:40.93 |
| CYNTHIA HINSHAW | | Margaret Phillips | 24 | Sharon Wencil | 39 | Martha Dodd | 40 |
| JANET HAUER | | NEM | 2:35.49 | Jann Girard | 38 | Deb Walker | 47 |
| NATALIE EFFA | | Rebe Kupcinskis | 24 | Judy Lambert | 42 | Lynn Cartee | 51 |
| BRENDA WICKLUND | | Kendra Garrow | 23 | Sa Neilson-Bell | 42 | Jean Garbus | 64 |
| SDM | 2:13.06 | Jennifer Cullen | 27 | LAKESIDE MASTER | 2:19.87 | OREG | 2:43.60 |
| Christine Jeffrey | 25 | Carolyn Apovian | 40 | Amy Pope | 37 | Monika Hunscher | 50 |
| Kari Davis | 23 | SAN FRANCISCO R | 2:40.08 | A Wright-Belknap | 47 | Jackie Quattro | 50 |
| Karen West | 27 | Tara Jepsen | 25 | Pam Martin | 40 | Alice Zabudsky | 53 |
| Kari Davis | 23 | Cara Spirack | 28 | Melinda Schmitt | 39 | Sandi Rousseau | 50 |
| LYTA | 2:21.80 | Mary Denardo | 23 | NEM | 2:23.34 | IM | 2:46.23 |
| Gillian Spiller | 26 | Lisa Congdon | 30 | Tracy Grilli | 41 | Mary Pohlmann | 53 |
| Suzan Dearworth | 26 | 200 M. MEDLEY R WOMEN 120+ | | Ka Nisley-Black | 42 | Hannelor Snyder | 68 |
| Elizabeth Irving | 25 | GOLD | 2:04.19 98 | Jacki Hirsty | 45 | Andrea Block | 36 |
| Car Kadszowski | 22 | BETH GARDNER | | Constan Hallett | 39 | Betty Bennett | 55 |
| MINNESOTA MAST | 2:25.40 | SUSIE GEYER | | GOLD | 2:25.88 | MACO | 2:49.42 |
| Joselyn Skovgard | 23 | TRACIE MOLL | | Janet Zann | 47 | Ginger Pierson | 52 |
| Nicki Phillips | 28 | JAMIE HERRINGTON | | Debbi Cavanaugh | 40 | Evelyn Sinai | 58 |
| Laura A Smith | 27 | GOLD | 2:04.19 | Gail Rice | 42 | Teri Hendryx | 45 |
| Heather Niemi | 21 | Mary Gardner | 33 | Meg May | 40 | Lavelle Stoinoff | 65 |
| WALNUT CREEK MA | 2:26.01 | Susie Geyer | 25 | WALNUT CREEK MA | 2:27.12 | NEM | 3:01.99 |
| Suzanne Baker | 23 | Tracie Moll | 34 | Patty Landers | 41 | Carol Adams | 54 |
| Kelly Christensen | 26 | Jami Herrington | 32 | Charlene O'Brien | 41 | Marian Coakley | 60 |
| Ann Oberg | 27 | SPM | 2:08.97 | Debbie Flansburg | 42 | Susa Livingston | 60 |
| Kendra Kruefer | 23 | Tanya Lane | 26 | Caren McNamara | 38 | Linda Carstens | 45 |
| CRESCENT HILL | 2:31.79 | Maud Orlando | 35 | ARIZ | 2:33.46 | UNIV. SAN FRAN | 3:37.82 |
| Emilee Causey | 19 | Lisa Summers | 27 | Paula Lessard | 35 | Erin Pashelinsky | 50 |
| Diane Allen | 20 | Charlo Petersen | 34 | Kerry Lutzker | 32 | Kate Earlix | 47 |
| | | | | Rane Stites | 34 | Lauren Chaitkin | 53 |
| | | | | Sally Bolan | 59 | Tanako Hagiwara | 60 |

1998 LONG-COURSE METERS - TOP-TEN RELAYS

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| <p>200 M. MEDLEY R WOMEN 240+</p> <p>DC MASTERS 2:37.68 98 BARBARA FRID JOANN LEILICH JAYNE BRUNER BARBARA ZAREMSKI</p> <p>DCM 2:37.68 Barbara Frid 56 Joann Leilich 59 Jayne Bruner 64 Barbara Zaremski 61</p> <p>LAKESIDE MASTER 3:12.00 Mary Jane Mullins 67 Carol Ferguson 66 Debbie Utz 45 Mary Ann Haragan 64</p> <p>WALNUT CREEK MA 3:19.76 Betty McMillan 69 Ann Hirsch 67 Midge Kraetzer 59 Donna Monroe 64</p> <p>SPM 3:38.08 Barbara Allen 65 Beverley Tucker 63 Florence Carr 73 Ka Knight-Perry 63</p> <p>WIS MASTERS 3:40.28 Betty Lorenzi 71 Carol Smollen 54 Ingrid Stine 59 Judy Davis 63</p> <p>OJAI-SANTA BARB 3:50.14 Ruth Farnham 68 Maggie Mors 72 Malchia Olshan 67 Gay Collins 68</p> <p>200 M. MEDLEY R WOMEN 280+</p> <p>O**H*I*O 3:32.20 98 MJ AMSBARY LILLY KRON PHILLIS WILSON H HUGGINS</p> <p>O**H*I*O MASTERS 3:32.20 M J Amsbary 73 Lilly Kron 66 Phillis Wilson 65 Hildegard Huggins 76</p> <p>OJAI-SANTA BARB 3:54.49 Gay Collins 68 Malchia Olshan 67 Grace Altus 74 Ruth Baar 75</p> <p>SPM 3:56.00 Barbara Allen 64 June Reynolds 76 Florence Carr 73 Mary Lou Mitchell 67</p> <p>WALNUT CREEK MA 4:03.36 Pat Prevetz 77 Jae Howell 75 Joan Alexander 65 Sally Joy 81</p> <p>DCM 4:05.27 Anne Walker 82 Jean Chenaux 84 Mary Anderson 84 Ruth Thorsen 78</p> <p>OREG 4:06.79 Pauline Stangel 76 Louise Hepner 73 Margaret Wells 72 Kathy Hughes 71</p> <p>FMM 4:13.12 Bunny Havlicek 80</p> | <p>Regan Kenner 74 Gladys Olsen 72 Doris Prokopi 62</p> <p>SDM 4:43.20 Rose Steward 80 Peggy Finch 50 Nancy MacBeth 69 Margaret Nagle 81</p> <p>OREG 5:35.83 Ada Hebert 82 Nancy Milner 47 Elfie Stevenin 76 Leola Baumgartner 81</p> <p>200 M. MEDLEY R WOMEN 320+</p> <p>WALNUT CREEK 4:19.11 98 SALLY JOY JAE HOWELL JEAN DURSTON MARY JANE REEVE</p> <p>WCM 4:19.11 Sally Joy 81 Jae Howell 75 Jean Durston 84 Mary Jane Reeves 81</p> <p>400 M. FREE REL WOMEN 76+</p> <p>SANTA CLARA 4:31.84 95 JO MILLARD ANNE WATKINS LAURA VIALE KATHRIN LAMMERS</p> <p>NO RELAYS</p> <p>400 M. FREE REL WOMEN 100+</p> <p>DAVIS AQUATIC 4:27.84 92 C.CHICHESTER MELISSA BEATY KIM MCCORD JENNIFER NORRIS</p> <p>WALNUT CREEK MA 4:41.34 Kendra Krueger 23 Kelly Christensen 26 Suzanna Baker 28 Ann Oberg 27</p> <p>MINNESOTA MAST 4:47.00 Laura A Smith 27 Joselyn Skovgard 23 Nicki Phillips 28 Jane Hansen 37</p> <p>LAKE LYTAL 5:04.16 Gloria Nemet 34 Danielle Brewer 29 Gillian Spiller 26 Suzanne Dearworth 25</p> <p>SIMI VALLEY MAS 5:13.06 Helan Bang 28 Pamela Heckel 33 A Bergstrom 24 Leilani Tedeski 33</p> <p>400 M. FREE REL WOMEN 120+</p> <p>STANFORD 4:17.94 94 MARTIE MCKINNEY C CHICHESTER DANIELLE OGIER KANA SHIBUYA</p> <p>WALNUT CREEK MA 4:43.99 Kathy Woehrlle 35 Pam Boscovich 35 Penny Leach 35 Michelle Ghiggeri 27</p> <p>EMPIRE MASTERS 4:50.43 Marie-H Charlap 37</p> | <p>Eileen Fagan 36 Laurie Cotter 42 Marcy Yeisley 29</p> <p>MENLO PARK MAS 5:14.15 Jane Bailie 36 Tracey McLachan 26 Lorie Sinnott 43 Anna Malsh 24</p> <p>SFRP MASTERS 5:23.76 Falk Camin 38 Jan Powers 48 Laura Burrus 33 Lisa Congdon 30</p> <p>CRAWFISH MASTER 5:30.27 Ann Hill 28 Amy Mielke Wright 38 Meg Haviland 40 Susan Bartol 36</p> <p>VENICE MASTERS 5:53.29 Nihal Sarikaya 27 Lucy Cook 40 Carole Shigaki 43 Margaret Pantoinin 29</p> <p>OJAI-SANTA BARB 6:53.66 Linda Swader 40 Donna Lechman 40 Alysia Cowgill 33 Tamara York 40</p> <p>400 M. FREE REL WOMEN 160+</p> <p>SAN DIEGO 4:37.01 93 BETSY JORDAN BARBARA DUNBAR KARLY PIPES BETH KNIGHT</p> <p>GOLD COAST 4:57.12 Meg May 40 Debbie Cavanaugh 40 Celia Devanney 40 Marcia Barry 49</p> <p>MENLO PARK MAS 5:07.04 June Burks 41 Katherine Bass 46 Judy Strauss 43 Rebecca Pinto 43</p> <p>ROLLING HILLS M 5:16.75 Debbie Schultz 30 Susie Virta 43 Maggie Tevis 50 Cokie Lepinski 39</p> <p>OREG 5:27.39 Jackie Quattro 50 Liz Cheney 41 Robin Young 43 Mary Jackson 42</p> <p>NORTH CAROLINA 5:31.07 Debbie Wilson 44 Patti Adams 40 Ingrid Friesen 44 Peggy Speight 37</p> <p>DCAC 5:52.64 Carol Galbraith 48 Ellyn Vail 49 Carol Krueger 45 Barbara Hill 38</p> <p>HEARTLAND 6:38.88 Rebecca Jackman 35 Stephanie Clark 39 Marlee Valderhaug 56 Betty Courtney 45</p> <p>CRAWFISH MASTER 6:57.60 Becky Nash 46 Diana Tucker 51 Allison Roark 30 Donna Rogers 34</p> <p>400 M. FREE REL WOMEN 200+</p> | <p>ST PETE 5:13.92 97 ANNE PAGE ELAINE BROMWICH JAYNE LAMBKE CHRIS KELLEY</p> <p>OREG 5:41.80 Monika Hunscher 50 Jackie Quattro 50 Pam Himstreet 54 Sandi Rouseau 50</p> <p>EMPIRE MASTERS 6:14.00 Kathleen Romano 52 Lisa Springer 41 Barbra Love 61 Karen Sauvigne 50</p> <p>UNIV. SAN FRANC 7:17.55 Tanako Hagiwara 60 Marg Passanisi 54 Erin Pashelinsky 50 Kate Earlix 47</p> <p>RAINBOW AM 7:39.93 Shay Bintliff 63 Barbara Forman 49 Puanani Eppard 48 Terrie Monfore 40</p> <p>400 M. FREE REL WOMEN 240+</p> <p>WALNUT CREEK 6:15.17 92 BETTY BARABASH JOAN ALEXANDER ANN PISCIOTTA BARBARA JORDAN</p> <p>WALNUT CREEK MA 6:37.82 Ann Hirsch 67 Joan Alexander 66 Donna Monroe 64 Midge Kraetzer 59</p> <p>WIS MASTERS 7:27.34 Ingrid Stine 59 Carol Smollen 54 Judy Davis 63 Betty Lorenzi 71</p> <p>MICHIGAN MASTER 7:41.16 Joyce Kowalski 56 Edith Glusac 79 Mary Williams 66 Beverly Myers 63</p> <p>OJAI-SANTA BARB 7:46.75 Ruth Farnham 68 Maggie Mors 72 Malchia Olshan 67 Gay Collins 68</p> <p>400 M. FREE REL WOMEN 280+</p> <p>WALNUT CREEK 7:22.22 96 ELFRIEDE ROGERS JAE HOWELL JEAN DURSTON ANN HIRSCH</p> <p>WALNUT CREEK MA 8:47.80 Pat Prevetz 77 Jae Howell 76 Sally Joy 81 Jean Duncan 65</p> <p>400 M. FREE REL WOMEN 320+</p> <p>ST PETE 10:13.80 94 MARIAN MCKECHNIE FRANCES CICHANSKI WIN KENNEDY KAY SCHIMPF</p> <p>NO RELAYS</p> <p>400 M. MEDLEY R WOMEN 76+</p> |
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1998 LONG-COURSE METERS - TOP-TEN RELAYS

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| <p>SACRAMENTO 5:07.42 92 MINDY WRIGHT LISA CHRISTO SUE LOWREI DONNA NICHOLAS</p> <p>NO RELAYS</p> <p>400 M. MEDLEY R WOMEN 100+ WALNUT CREEK 4:55.59 92 PAM BOSCOVICH LISA TALLMAN DEBBIE FLANSBURG WENDY INGRAHAM</p> <p>LAKE LYAL 5:39.25 Diana Rodriguez 30 Suzanne Dearworth 25 Gloria Nemet 34 Gillian Spiller 26</p> <p>400 M. MEDLEY R WOMEN 120+ TEAM ORLANDO 4:53.42 97 MARGARET KELLER BEVERLY LENSE ROSEMARY SEAMAN CATHY SHONKWILER</p> <p>PNA 5:46.04 Tracy Larson 36 Gigi Baker 32 Cynthia Hirst 35 Sharon Filipowski 32</p> <p>SIMI VALLEY MAS 5:49.95 A Bergstrom 24 Pamela Heckel 34 Deanna Koehler 29 Leilani Tedeski 34</p> <p>NORTH CAROLINA 6:00.57 Peggy Speight 37 Ruth McNair 35 Jennifer Meunch 27 Patti Adams 40</p> <p>PNA 6:19.68 Debbie Glassman 44 Wendy Hoffman 35 Lani Doely 42 Laura Lovato 29</p> <p>SFRP MASTERS 6:24.09 Jan Powers 48 Laura Burrus 33 Lisa Congdon 30 Falk Camin 38</p> <p>400 M. MEDLEY R WOMEN 160+ SAN DIEGO 5:00.73 98 MARILYN FINK CAROLINE KRATTLI BARBARA DUNBAR BETH KNIGHT</p> <p>SAN DIEGO SWIM 5:00.73 Marilyn Fink 43 Caroline Krattli 36 Barbara Dunbar 49 Beth Knight 38</p> <p>GOLD COAST 6:18.32 Rorie Anderson 47 Susan Ludwig 40 Celia Devanney 40 Anne Laborwit 47</p> <p>400 M. MEDLEY R WOMEN 200+ D C MASTERS 5:48.73 91 BARBARA FRID JOANN LEILICH ANN SVANSON</p> | <p>JAYNE BRUNNER OREG 6:27.81 Monika Hunscher 50 Pamela Himstreet 54 Suzanne Rague 47 Sandi Rousseau 50</p> <p>400 M. MEDLEY R WOMEN 240+ WALNUT CREEK 6:50.38 92 BARBARA JORDAN ANN PISCIOTTA JOAN ALEXANDER BETTY BARABASH</p> <p>WIS MASTERS 7:56.03 Betty Lorenzi 71 Carol Smollen 54 Ingrid Stine 59 Judy Davis 63</p> <p>MICHIGAN MASTER 8:44.94 Beverly Myers 63 Kathy Beckley 51 Edith Glusac 79 Joyce Kowalski 56</p> <p>400 M. MEDLEY R WOMEN 280+ WALNUT CREEK 8:32.38 93 PAT PREVETZ JAE HOWELL ANN PISCIOTTA MARY JANE REEVES</p> <p>NO RELAYS</p> <p>400 M. MEDLEY R WOMEN 320+ SAN MATEO 12:14.90 97 AUDREY ETIENNE HILDA BUEL ZADA TAFT EDIE GOLDMAN</p> <p>NO RELAYS</p> <p>800 M. FREE REL WOMEN 76+ MINNESOTA 10:28.09 98 NICKI PHILLIPS JOSELYN SKOVGARD LAURA SMITH HEATHER NIEMI</p> <p>MINNESOTA MAST 10:28.09 Nicki Phillips 28 Joselyn Skovgard 23 Laura A Smith 27 Heather Niemi 21</p> <p>800 M. FREE REL WOMEN 100+ WALNUT CREEK 9:50.91 89 CAROL LEE-HELTZEL CATHEY COOLEY DEBBIE FLANSBURG AMY REIGER</p> <p>LAKE LYAL 10:50.04 Gloria Nemet 34 Danielle Brewer 29 Suzanne Dearworth 25 Gillian Spiller 26</p> <p>800 M. FREE REL WOMEN 120+ WALNUT CREEK 9:43.49 97 DENISE THOMPSON LAURIE VIDAL LISA WARD PENNY LEACH</p> <p>CRESCENT HILL 10:34.05 Bridget Nastasi 31</p> | <p>Donna Johnson 30 Janet Zeller 35 Gina Marie Gatti 35</p> <p>VENICE MASTERS 12:45.42 Corby Arthur 40 Lucy Cook 40 Carole Shigaki 43 Margaret Pantoinin 29</p> <p>PNA 13:25.47 Julie Bruno 43 Jane Moore 47 Linda Sullivan 42 Kareena King 24</p> <p>800 M. FREE REL WOMEN 160+ SAN DIEGO 9:57.27 98 BARBARA DUNBAR MARILYN FINK CAROLINE KRATTLI BETH KNIGHT</p> <p>SAN DIEGO SWIM 9:57.27 Barbara Dunbar 49 Marilyn Fink 43 Caroline Krattli 36 Beth Knight 38</p> <p>GOLD COAST 10:34.97 Marcia Barry 49 Debbie Cavanaugh 40 Celia Devanney 40 Meg May 40</p> <p>LAKESIDE MASTER 12:28.09 Wendy Medley 44 Debbie Utz 45 Lisa Stearns 40 Amy Peterson 40</p> <p>WIS MASTERS 14:48.85 Candy Christenson 51 Nancy Kranpitz 53 Ann Meneau 38 Edith Jacobsen 50</p> <p>800 M. FREE REL WOMEN 200+ TAMALPAIS 11:24.23 95 R. BRITTINGHAM CHARLOTTE JENKINS SPERRY RADEMAKER NANCY RIDOUT</p> <p>LAKESIDE MASTER 14:32.11 Mary Ann Haragan 64 Joyce Voit 63 A Wright-Belknap 47 Bobbi Sipes 31</p> <p>800 M. FREE REL WOMEN 240+ ST PETE 13:12.45 97 ELAINE BRGMWICH SANDY STEER FLORENCE CARR JAYNE LAMBKE</p> <p>WIS MASTERS 15:48.06 Ingrid Stine 59 Betty Lorenzi 71 Judy Davis 63 Carol Smollen 54</p> <p>OJAI-SANTA BARB 15:56.59 Kitty Johnston 56 Malchia Olshan 67 Ruth Farnham 68 Gay Collins 68</p> <p>HEARTLAND 17:15.50 Marilyn Ramey 58 Marlee Valderhaug 56 Nancy Reed 71 Trish Hunter 64</p> | <p>800 M. FREE REL WOMEN 280+ WALNUT CREEK 16:17.09 92 JEAN DURSTON MARY JANE REEVES JAE HOWELL DONNA MONROE</p> <p>NO RELAYS</p> <p>800 M. FREE REL WOMEN 320+ ST PETE 22:37.07 94 MARIAN MCKECHNIE FRANCES CICHANSKI WIN KENNEDY KAY SCHIMPF</p> <p>NO RELAYS</p> <p style="text-align: center;">MEN'S RELAYS</p> <p>200 M. FREE REL MEN 76+ OLYMPIC CLUB 1:41.14 93 GARY ANTONICK ERIC TARBELL STEPHEN GOTH JIM MURRAY</p> <p>SDM 1:41.79 Soshi Kajiwara 19 Toby Wilcox 22 Justin Slade 25 Michael Melley 23</p> <p>GOLD 1:46.95 Nathan Fields 21 Edward Ames 28 Chris Horgan 19 Cooper Faust 20</p> <p>ART 2:06.60 John Merideth 27 Clinton Fisher 24 Jassen Lanfair 24 Jason Smith 23</p> <p>200 M. FREE REL MEN 100+ HOUSTONIAN CLUB 1:36.15 90 JAMES PRUNGLE STUART KNOWLES JEFF FREY JOHN SMITH</p> <p>GOLD 1:39.28 Craig Crawford 28 Terry Lage 30 Karney McNear 28 Todd Pace 30</p> <p>PSC 1:44.12 Stephen So 23 Will Johnson 26 Troy Dalbey 29 Dale McDonald 29</p> <p>SDM 1:45.91 Brian August 27 Eric Mix 26 E Piccinini 25 Edwin Longwell 29</p> <p>SPM 1:46.95 Will Lane 27 Rich Bjorkquist 20 Edwar McElhiney 32 Stuart Barton 30</p> <p>NEM 1:47.38 Bill Volckening 32 Jonath Banville 27 Robert Sczapak 29 Rob Berry 30</p> <p>CRESCENT HILL 1:49.56 Brad Schmied 26</p> |
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1998 LONG-COURSE METERS - TOP-TEN RELAYS

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|--------------------------|--------------------------|--------------------------|--------------------------|
| William Polk 29 | Douglas Long 54 | James Lilley 38 | Donald Galine 52 |
| Steve Brigance 23 | John Stewart 32 | SPM 1:53.40 | NEM 2:13.88 |
| Eric Fors 27 | Mark Oviatt 30 | Ton Cherrington 55 | Larry Dunham 60 |
| ART 1:51.54 | | Jack Pyhel 54 | Ted Haartz 70 |
| Jack Mackenroth 29 | 200 M. FREE REL MEN 160+ | Gary Bastie 48 | James Edwards 75 |
| Mark Reeves 29 | | Russell Frazier 44 | Fred Schlicher 50 |
| Stephen Stark 26 | HOLMES 1:39.27 90 | SWIM 1:54.05 | GSM 2:14.09 |
| Counse Broders 33 | JAMES DILLEY | Rick Walker 47 | Alex McIntosh 74 |
| CRAWFISH MASTER 1:52.48 | C. MILTENBERGER | Dren Geer 64 | Nickolas Demas 68 |
| Tim Guglielmello 30 | RICHARD ABRAHAMS | Casey Clafin 45 | Edward Nessel 53 |
| Val Generes 22 | TIMOTHY GARTON | Robert Davie 47 | Richard Bohan 47 |
| Selim Alparslan 32 | TTEX 1:44.52 | GOLD 1:54.75 | SPM 2:15.67 |
| Adam Werth 28 | Jon Smiley 36 | Joel Burns 52 | Harold Ferris 67 |
| SWIM 1:53.88 | David Guthrie 38 | Jerry Greenberg 56 | Peter Arnold 59 |
| Chris Connor 23 | Bruce Wencel 43 | Brian Keeney 51 | Peter Betzer 56 |
| Dean Mitchinson 29 | Larry Wood 44 | George Schmidt 48 | John Cox 63 |
| Robert Irving 29 | GOLD 1:45.12 | GOLD 1:55.18 | EMP 2:15.98 |
| Michael Barry 30 | Craig Burns 45 | Peter Galvich 47 | Bob Kolonkowski 50 |
| ALL ACADIANA AQ 1:55.44 | Robert Strauss 46 | Pete Lonctaux 48 | James Johnsen 63 |
| Darrin Anderson 28 | John Spire 46 | William Quayle 57 | Richard Ellis 65 |
| Chris Hadden 27 | Kurt Wienants 36 | Michael Koonin 48 | Robert Mosard 77 |
| Alex Romero 32 | MACO 1:45.86 | OREG 1:55.62 | |
| Kelly Chadick 29 | David Burseson 41 | Douglas Prentice 50 | 200 M. FREE REL MEN 280+ |
| | Robert Moore 38 | Daniel Gray 53 | |
| 200 M. FREE REL MEN 120+ | Karl Von Tagen 54 | Jed Cronin 49 | LAM 2:10.75 92 |
| | Robert Kabacy 30 | Jon Stout 51 | JOHN RICHARDS |
| LONE STAR 1:37.43 86 | NCMS 1:47.15 | HLJ 1:57.72 | JAY CRADDOCK |
| DAVID HAGUE | Jeff Murray 28 | Graham Ginn 26 | JACK MCCANN |
| TRIP HEDRICK | Hill Carrow 43 | Bill Pillmore 50 | HUGH RICHARDS |
| BUCK SMITH | Doug Lee 42 | John Smith 60 | SAN DIEGO SWIM 2:18.04 |
| JIM MONTGOMERY | Richard Bober 47 | Rogers Holmes 76 | Donald Hubbard 71 |
| SCAQ 1:39.84 | SPM 1:48.17 | MICH 2:01.15 | William Phillips 70 |
| Richard Drewelow 29 | William Hempel 41 | Frank Thompson 46 | Jerry Siefert 80 |
| Keith Kaplan 31 | Michae Milligan 41 | Steven Seligson 51 | Bill Earley 61 |
| Jerry Shandrew 32 | William Specht 40 | ennis Mcmanus 50 | OREG 2:23.22 |
| Bram Tester 29 | Eddie Riach 45 | Donald Kroeger 54 | Gilbert Young 76 |
| OREG 1:41.13 | OREG 1:48.45 | SWIM 2:01.87 | Eric Guest 68 |
| Scott Findorff 42 | Pat Allender 39 | James Redic 51 | Earl Walter 77 |
| Curt La Count 39 | Christophe Roth 39 | Mich Stollmeyer 60 | Ronald Nakata 59 |
| James Sorensen 39 | Robert Voll 40 | Richard Brewer 53 | GOLD 2:26.64 |
| David Holland 39 | Peter Metzger 43 | Richard Degalan 37 | Alan Rapperport 64 |
| OREG 1:43.23 | PSC 1:48.49 | 200 M. FREE REL MEN 240+ | Loring Holmes 69 |
| Darren Dutto 29 | Peter Nunan 40 | OREGON 1:56.05 98 | Des Sessinghaus 83 |
| Steve George 38 | Gregory Dozer 40 | GEORGE THAYER | William Dolan 69 |
| Matthew Roth 31 | Jim Harrs 40 | BERT PETERSEN | SPM 2:29.20 |
| Loren Chin 36 | Bob Beardsley 40 | ROBERT SMITH | Richard Avery 75 |
| PLAN 1:43.77 | PNA 1:48.55 | DAVID RADCLIFF | Charles Kohnken 66 |
| Carlos Ochoa 26 | Blair Elander 37 | OREG 1:56.05 | Robert Beach 68 |
| Bill Staebell 36 | Frank Warner 49 | George Thayer 62 | Thomas Smith 71 |
| Brad Bernkrant 43 | Michael Schaeffer 41 | Bert Petersen 59 | ORLM 2:39.36 |
| Raimun Mazuolis 26 | Steve Sussex 43 | Robert Smith 55 | Brud Cleaveland 80 |
| VMST 1:44.30 | EMPIRE 1:48.83 | David Radcliff 64 | E D McCullough 82 |
| Stephen Porter 31 | Brad Cole 40 | GOLD 1:56.24 | Jerry Glancy 60 |
| Danie Summerlin 26 | Charles Carson 44 | Douglas Buchan 54 | Jack Beattie 63 |
| Dave Holland 31 | Fernando Granzow 38 | David McIntyre 61 | COAST MASTERS A 2:41.18 |
| Lang Meem 44 | Christian Granzow 44 | Herb Kern 66 | Emile Achee 71 |
| ART 1:44.50 | RMM 1:49.59 | Cav Cavanaugh 62 | Bob Christians 82 |
| Bruce Hayes 35 | David Gray 40 | GOST 2:03.14 | Bob Merrick 78 |
| Alex Bailey 37 | Roger Knight 34 | John Florance 75 | Louis Giberson 77 |
| Jeff Bakehorn 33 | William Abbott 52 | John Medici 60 | OREG 3:10.83 |
| Robert Harms 28 | Andre Levasseur 34 | Yoshi Oyakawa 65 | Charles Bushey 76 |
| GAJA 1:44.76 | 200 M. FREE REL MEN 200+ | Thomas Olander 56 | Mike Popovich 71 |
| Carlto Devooght 26 | OLYMPIC CLUB 1:45.19 97 | Graham Johnston 67 | David Bernstein 76 |
| Brian Pakkala 36 | STEVE CLARK | Frank Campbell 72 | Dick Slawson 62 |
| Doug Malcolm 41 | ROBERT STRAND | Chuck Baldwin 68 | SPM 3:26.73 |
| Igor Vazhenin 34 | TIM BIRNIE | Bob Seagraves 42 | Ned Allen 67 |
| CHMS 1:45.07 | JAMES ELDER | SDSM 2:05.54 | Art Tebbens 68 |
| Abraham Solano 28 | O*H*I 1:48.95 | Mike Freshley 57 | Robert Atwood 78 |
| Michael Neal 34 | Jack Groselle 44 | Parry O'Brien 66 | Fred Walbolt 85 |
| Brad Schmied 26 | Lou Horwitz 45 | Donald Baker 67 | 200 M. FREE REL MEN 320+ |
| Jeffrey Hogg 33 | Peter van Dijk 69 | Bill Earley 61 | COAST MASTERS 2:35.13 96 |
| SUN 1:45.82 | Karl Kazmaier 43 | SMMM 2:06.87 | LOUIS GIBERSON |
| Brian Vaile 36 | RMM 1:49.36 | Mike Milliman 63 | WOODROW BOWERSOCK |
| Ryan Forrestel 44 | Richar Abrahams 53 | Raymond Taft 79 | WALTER PFEIFFER |
| Don Darling 42 | Bob Patten 64 | Gary Brenner 50 | ROBERT CHRISTIANS |
| Michael Halfast 32 | Tom Whatley 46 | | TTEX 3:23.45 |
| LYTA 1:45.96 | | | |
| Gordon Andrews 38 | | | |

1998 LONG-COURSE METERS - TOP-TEN RELAYS

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|-------------------|------------|------------------|------------|------------------|------------|-----------------|------------|
| Jesse Coon | 87 | Mike Sheek | 26 | ANCM | 1:55.97 | SPM | 2:13.55 |
| Allen Hellman | 76 | Mark Reeves | 29 | Michael Fell | 36 | Ton Cherrington | 55 |
| Bennett Allen | 84 | ALL ACADIANA AQ | 2:25.39 | Wally Dicks | 35 | Peter Betzer | 56 |
| Tex Robertson | 89 | Darrin Anderson | 28 | John Feinstein | 43 | Stephan Freeman | 42 |
| FMM | 3:24.94 | Ryan North | 23 | David Harmon | 48 | Jack Pyhel | 54 |
| Frank Tillotson | 83 | Chris Hadden | 27 | TTEX | 1:56.35 | WALNUT CREEK MA | 2:16.49 |
| Frank Havlicek | 80 | Alex Romero | 32 | Jon Smiley | 36 | Don Brown | 65 |
| Elmer Luke | 72 | | | David Guthrie | 38 | Don Davis | 53 |
| Dave Malbrough | 85 | 200 M. MEDLEY R | MEN 120+ | Bruce Wencel | 43 | Steve Stahl | 33 |
| | | | | Larry Wood | 44 | Tom Flickinger | 50 |
| 200 M. MEDLEY R | MEN 76+ | GOLD | 1:50.05 98 | RMM | 1:58.68 | LAKESIDE MASTER | 2:16.93 |
| OLYMPIC CLUB | 1:49.35 95 | CRAIG CRAWFORD | | Mike Gonzales | 31 | William Tingley | 48 |
| MIKE COLLEY | | SETH VAN NEERDEN | | David Gray | 40 | Tony Ambrose | 53 |
| JAMIE PATRICK | | KARNEY MCNEAR | | William Abbott | 52 | John Nolan | 49 |
| BRAD BUDNEY | | KURT WIENANTS | | Todd Bryan | 47 | Thomas Finnegan | 52 |
| GREG LARSON | | GOLD | 1:50.05 | SPM | 1:59.79 | ROLLING HILLS M | 2:17.09 |
| OJAI-SANTA BARB | 2:01.36 | Craig Crawford | 28 | Eddie Riach | 45 | Don Pierce | 53 |
| Kelvin Ng | 21 | Set Van Neerden | 30 | Gary Bastie | 48 | Eric Vanboer | 43 |
| Kristoffer Widger | 26 | Karney McNear | 28 | William Specht | 40 | Michael Booth | 50 |
| Kevin Moore | 24 | Kurt Wienants | 36 | Stuart Barton | 30 | George Viguie | 54 |
| Robert Krhoun | 24 | OREG | 1:53.92 | GOLD | 2:01.20 | GOLD | 2:18.24 |
| GOLD | 2:07.06 | Curt La Count | 39 | Marty Hendrick | 40 | William Quayle | 57 |
| Chris Horgan | 19 | David Holland | 39 | Dan Rosenthal | 38 | Jorge Gonzalez | 49 |
| Nathan Fields | 21 | James Sorensen | 39 | Craig Burns | 45 | David Morrill | 50 |
| Donald Stefani | 20 | Scott Findorff | 42 | Hank Oppenborn | 40 | Peter Galvich | 47 |
| Cooper Faust | 20 | BLS | 1:54.41 | NCMS | 2:01.80 | 200 M. MEDLEY R | MEN 240+ |
| ART | 2:19.78 | Jay Yarid | 35 | Richard Bober | 47 | GOLD | 2:15.93 98 |
| Jassen Lanfair | 24 | Christian Rowe | 36 | Doug Lee | 42 | DAVID MCINTYRE | |
| Clinton Fisher | 24 | Bil Glasstetter | 40 | Hill Carrow | 43 | HERB KERN | |
| Jason Smith | 23 | Steve Reed | 30 | Jeff Murray | 28 | JOEL BURNS | |
| John Merideth | 27 | IM | 1:57.03 | WALNUT CREEK MA | 2:05.74 | CAV CAVANAUGH | |
| 200 M. MEDLEY R | MEN 100+ | Andreas Seibt | 40 | Gene Hart | 45 | GOLD | 2:15.93 |
| HOUSTONION CLUB | 1:48.46 90 | Plam Alexandrov | 37 | Tom Dugan | 40 | David McIntyre | 61 |
| CLAY BRITT | | Tom McCabe | 40 | Kerry O'Brien | 41 | Herb Kern | 66 |
| DEAN PUTTERMAN | | Bob Young | 33 | John Baker | 35 | Joel Burns | 52 |
| ROBERT KILLEEN | | GOLD | 1:57.13 | ARIZ | 2:06.51 | Cav Cavanaugh | 62 |
| JAMES PRINGLE | | Kenneth Shields | 34 | Scott Shake | 40 | OREG | 2:17.22 |
| CRESCENT HILL | 1:57.95 | Sean Frampton | 32 | Tom Winters | 57 | Robert Smith | 55 |
| Brad Schmied | 26 | Jonathan Olsen | 35 | Jeffr Krongaard | 43 | George Thayer | 62 |
| Abraham Solano | 28 | Dwight Kennedy | 35 | Jim Stites | 40 | Ronald Nakata | 59 |
| Jeff Hogg | 33 | CHMS | 1:57.50 | OREG | 2:07.51 | David Radcliff | 64 |
| Paul Widman | 25 | Brad Schmied | 26 | Jon Stout | 51 | GOST | 2:17.65 |
| OREG | 1:59.40 | Abraham Solano | 28 | Allen Stark | 49 | Yoshi Oyakawa | 65 |
| Horst Niehaus | 30 | Jeffrey Hogg | 33 | Jed Cronin | 49 | Karl Wiedemann | 60 |
| David Rice | 31 | Michael Neal | 34 | Douglas Prentice | 50 | Thomas Olander | 56 |
| Kyle Kimball | 27 | OREG | 1:57.87 | 200 M. MEDLEY R | MEN 200+ | John Florance | 75 |
| Matthew Roth | 31 | Peter Metzger | 43 | OLYMPIC CLUB | 1:58.50 94 | NCMS | 2:20.70 |
| NEM | 1:59.54 | Pat Allender | 39 | TIM BIRNIE | | Rolf Pinkerton | 59 |
| Rob Berry | 30 | Christophe Roth | 39 | ROBERT STRAND | | Milton Gee | 61 |
| Jonath Banville | 27 | Steve George | 38 | RICHARD BASSI | | Clarke Mitchell | 66 |
| Robert Sczupak | 29 | LYTA | 1:59.98 | JAMES ELDER | | Jerry Clark | 60 |
| Bill Volckening | 32 | Mark Oviatt | 30 | RMM | 1:59.12 | SDSM | 2:21.40 |
| DOLPHIN MASTERS | 2:04.04 | Alvin Rodriguez | 32 | James Lilley | 38 | Bill Earley | 61 |
| Chuck Greenwell | 21 | John Stewart | 32 | Bob Patten | 64 | Mike Freshley | 57 |
| Patrick Bever | 21 | Gordon Andrews | 38 | Richar Abrahams | 53 | Lee Mench | 45 |
| Jeremy McGrew | 25 | VMST | 2:00.59 | Tom Whatley | 46 | Jerry Siefert | 80 |
| Larry Kress | 43 | Stephen Porter | 31 | SWIM | 2:04.02 | TTEX | 2:27.17 |
| ART | 2:09.78 | Gennard Lanzara | 40 | Casey Claflin | 45 | Frank Campbell | 72 |
| Bradley Akerberg | 28 | Dave Holland | 31 | Rick Walker | 47 | Chuck Baldwin | 68 |
| David Holan | 30 | Danie Summerlin | 26 | Kevin McCormack | 45 | Keith Bell | 50 |
| Enrique Erosa | 33 | OREG | 2:00.60 | Dren Geer | 64 | Graham Johnston | 67 |
| Stephen Stark | 26 | Douglas Stewart | 34 | O**I | 2:05.44 | NEM | 2:31.79 |
| SWIM | 2:16.21 | Mike Perry | 31 | Lou Horwitz | 45 | David Bright | 45 |
| Robert Irving | 29 | Loren Chin | 36 | Karl Kazmaier | 43 | Ted Haartz | 70 |
| Michael Barry | 30 | Doug Christensen | 35 | Jack Groselle | 44 | Larry Dunham | 60 |
| Chris Connor | 23 | 200 M. MEDLEY R | MEN 160+ | Peter van Dijk | 69 | James Edwards | 75 |
| Dean Mitchinson | 29 | BAYLOR/L STAR | 1:53.79 94 | GOLD | 2:10.26 | SHMM | 2:33.25 |
| CRAWFISH MASTER | 2:16.21 | MEL NASH | | John Spire | 46 | Mike Milliman | 63 |
| Val Generes | 22 | BERRY HAMILTON | | Irvin Betrock | 57 | Raymond Taft | 79 |
| Alan Braaten | 40 | TRIPP HEDRICK | | Michael Koonin | 48 | Donald Galine | 52 |
| Tim Guglielmello | 30 | DAVID HAGUE | | Douglas Buchan | 54 | Gary Brenner | 50 |
| Steve Levins | 26 | GAJA | 1:54.60 | TAM | 2:13.44 | SWIM | 2:36.43 |
| ART | 2:18.34 | Brian Pakkala | 36 | Richard Burns | 55 | Robert Coulter | 65 |
| Lee Golusinski | 34 | Doug Malcolm | 41 | Kenneth J Frost | 53 | James Redic | 51 |
| F Duplessis | 30 | Randy Randolph | 39 | Ben Wright | 55 | Doug Messineo | 57 |
| | | Bob Brown | 44 | Mark Stoker | 41 | Farrell Devlin | 70 |

1998 LONG-COURSE METERS - TOP-TEN RELAYS

| | | | | | | |
|--------------------------|------------|--------------------------|--------------------------|------------|--------------------------|------------|
| SPM | 2:49.77 | NO RELAYS | Charles Carson | 44 | Lynn Surles | 81 |
| John Risher | 62 | | Richmond Curtiss | 35 | John White | 47 |
| William Ballard | 60 | 400 M. FREE REL MEN 120+ | Buck Broker | 42 | John Maniaci | 47 |
| Peter Arnold | 59 | | Michael Eade | 41 | Joseph Mueller | 32 |
| John Cox | 63 | | GOLD COAST | 4:10.50 | SFRP MASTERS | 5:57.73 |
| | | THE OLYMPIC CLB | Peter Galvich | 47 | Kristian Nergaard | 50 |
| | | 3:47.83 94 | Marty Hendrick | 40 | Vernon Smith | 61 |
| | | ROBERT PLACAK | Craig Burns | 45 | Guy Decker | 51 |
| | | KURT VANDERBOGART | Jonathan Olsen | 35 | Richard Fabian | 55 |
| | | SEAN MURPHY | USF MASTERS | 4:11.79 | | |
| | | DAVE LUNDBURG | Richard Atondo | 48 | 400 M. FREE REL MEN 240+ | |
| 200 M. MEDLEY R MEN 280+ | | SO.CAL. AC | David Ahlman | 47 | OREGON | 4:36.23 98 |
| | | 3:42.74NV | Duke Dahlin | 50 | GEORGE THAYER | |
| OREGON | 2:34.57 92 | | Richard Garrett | 45 | BERT PETERSEN | |
| FLOYD ELIOTT | | EMPIRE | TXAM | 4:14.84 | DAVID RADCLIFF | |
| BOB MORRISON | | 3:54.38 | Brad Levinson | 42 | ROBERT SMITH | |
| ANDREW HOLDEN | | | Rex Toltschin | 46 | OREG | 4:36.23 |
| GERALD HUESTIS | | | William Baker | 45 | George Thayer | 62 |
| OREG | 2:44.96 | | Mark Stori | 32 | Bert Petersen | 59 |
| Earl Walter | 77 | | COLONIALS 1776 | 4:15.60 | David Radcliff | 64 |
| Eric Guest | 68 | | Bob Hartford | 41 | Robert Smith | 55 |
| Bert Petersen | 59 | | John Culhane | 42 | GOLD COAST | 4:43.80 |
| Gilbert Young | 76 | | Jim Senior | 35 | Herb Kern | 66 |
| SPM | 2:55.18 | | Keith Robinson | 44 | David McIntyre | 61 |
| Richard Avery | 75 | | W. HOLLYWOOD | 4:25.15 | Joel Burns | 52 |
| Abrasha Brainin | 75 | | Matt Knight | 37 | Cav Cavanaugh | 62 |
| Thomas Smith | 71 | | Paulo Figueirdo | 52 | WALNUT CREEK MA | 5:18.81 |
| Harold Ferris | 67 | | Neil Fenn | 45 | Stan Morner | 63 |
| WALNUT CREEK MA | 2:56.48 | | Don Skeoch | 35 | Stan Pedder | 63 |
| Bill Peckham | 69 | | DCAC | 4:26.10 | Dan Bronn | 64 |
| Frank Nieman | 65 | | Rob Bigelow | 45 | Bob Mayo | 64 |
| Bill Johnston | 80 | | James Ridout | 36 | OJAI-SANTA BARB | 6:29.95 |
| Fred Trask | 70 | | Jack Markey | 45 | Richard Weirick | 70 |
| ORLM | 3:05.40 | | Jay Fiset | 42 | John Bleck | 65 |
| Jack Beattie | 63 | | SANTA CRUZ MAST | 4:39.25 | Robert May | 64 |
| Brud Cleaveland | 80 | | Joseph Robb | 48 | Peter Lawrence | 52 |
| E D McCullough | 82 | | Butch Johnson | 48 | GAJA | 6:32.94 |
| Jerry Glancy | 60 | | Bruce Stewart | 50 | William Lotz | 49 |
| GOLD | 3:05.52 | | Robert Cook | 50 | Edward Saltzman | 47 |
| Alan Rapperport | 64 | | 400 M. FREE REL MEN 200+ | | Herb McAuley | 75 |
| Agus De La Vega | 73 | | LOS ALTOS | 4:05.72 94 | John Taylor | 77 |
| Loring Holmes | 69 | | DAVE GRAY | | GOLD COAST | 6:47.36 |
| Alfredo Utrilla | 78 | | ED CAZALET | | Agustin Delavega | 73 |
| GOLD | 3:16.95 | | DICK JAMES | | L Silverstein | 64 |
| Joagui Silverio | 71 | | BOB PROEBSTING | | George Busse | 66 |
| Murray Eager | 81 | | ROLLING HILLS M | 4:28.25 | William Quayle | 56 |
| Leon Silverstein | 64 | | George Viguie | 54 | 400 M. FREE REL MEN 280+ | |
| William Dolan | 69 | | Don Pierce | 53 | OREGON | 5:41.34 93 |
| 200 M. MEDLEY R MEN 320+ | | | Ron Bryant | 50 | EARL WALTER | |
| COAST MASTERS | 3:17.51 96 | | Bill Adkison | 43 | FLOYD ELIOTT | |
| BRION WINSHIP | | | SAN MATEO MAST | 4:30.47 | GIL YOUNG | |
| WALTER PFEIFFER | | | Joel Swartz | 40 | ANDREW HOLDEN | |
| ROBERT CHRISTIANS | | | Garry Brenner | 50 | NO RELAYS | |
| WOODROW BOWERSOCK | | | Dick Peterson | 61 | 400 M. FREE REL MEN 320+ | |
| TTEX | 4:01.18 | | Don Galine | 52 | COAST MASTERS | 6:12.12 98 |
| Allen Hellman | 76 | | EMPIRE | 4:38.15 | BOB CHRISTIANS | |
| Bennett Allen | 84 | | Richard Merritt | 51 | LOUIS GIBERSON | |
| Jesse Coon | 87 | | Edward Dunne | 55 | BOB MERRICK | |
| Tex Robertson | 89 | | Jack Alexander | 51 | WOODROW BOWERSOCK | |
| FMM | 4:20.87 | | Henry Quaritius | 43 | COAST MASTERS | 6:12.12 |
| Frank Tillotson | 83 | | LONG BEACH | 4:43.03 | Bob Christians | 82 |
| Frank Havlicek | 80 | | Philip Bias | 44 | Louis Giberson | 77 |
| Elmer Luke | 72 | | Richard Ammon | 57 | Bob Merrick | 78 |
| Dave Malbrough | 85 | | Michael Jarvis | 50 | Woodrow Bowersock | 85 |
| 400 M. FREE REL MEN 76+ | | | Craig Coffin | 50 | 400 M. MEDLEY R MEN 76+ | |
| DAVIS AQUATIC | 3:53.22 94 | | GOST | 5:10.81 | THE OLYMPIC CLB | 4:24.89 94 |
| ERNIE HOFTYZER | | | Ray Witte | 48 | JIM MURRAY | |
| BRIAN NABETH | | | Allen Lloyd | 50 | ERIC TARBELL | |
| MICHAEL COLLINS | | | Dick Chisholm | 63 | JOHN WITCHEL | |
| DARREN MOUNTS | | | Randy Simmons | 50 | STEPHEN GOTH | |
| NO RELAYS | | | OJAI-SANTA BARB | 5:13.40 | NO RELAYS | |
| 400 M. FREE REL MEN 100+ | | | Glenn Wharton | 44 | | |
| SANTA CLARA | 3:39.63 94 | | Harry Delatre | 52 | | |
| SERGEY MARINIUK | | | Rick Goeden | 51 | | |
| JAMES PARRACK | | | John Johnston | 55 | | |
| MIKE MOORE | | | WIS MASTERS | 5:44.83 | | |
| FRANZ MORTENSEN | | | | | | |
| | | MINNESOTA | | | | |
| | | 3:55.72 98 | | | | |
| | | PAUL WINDRATH | | | | |
| | | NATHAN LEIGH | | | | |
| | | MIKE BURNS | | | | |
| | | TOM EMISON | | | | |
| | | MINN | | | | |
| | | 3:55.72 | | | | |
| | | Michael Burns | | | | |
| | | Thomas Emison | | | | |
| | | Paul Windrath | | | | |
| | | Nate Leigh | | | | |
| | | 42 | | | | |
| | | W. HOLLYWOOD | | | | |
| | | 3:57.03 | | | | |
| | | James Ballard | | | | |
| | | 40 | | | | |
| | | Jon Bauer | | | | |
| | | 46 | | | | |
| | | Kurt Smith | | | | |
| | | 37 | | | | |
| | | Gary Quinn | | | | |
| | | 40 | | | | |
| | | EMPIRE | | | | |
| | | 4:10.07 | | | | |

1998 LONG-COURSE METERS - TOP-TEN RELAYS

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| <p>400 M. MEDLEY R MEN 100+</p> <p>NEW ENGLAND 4:12.04 96 ROBERT BERRY S VANKUILENBURG EDMUND GENDREAU CHRIS BARRETT</p> <p>EMPIRE 4:47.56 Scott Hirose 32 Alexander Hall 26 Theodore Stark 33 Andrew Willet 27</p> <p>DCAC 5:22.97 David McNear 29 Kei Koizumi 29 Mark Le Goff 34 A Fernando 24</p> <p>400 M. MEDLEY R MEN 120+</p> <p>THE OLYMPIC CLB 4:04.49 94 SEAN MURPHY STUART CORLISS DAVID LUNDBERG MIKE KECK</p> <p>DCAC 4:16.88 Cory Carlisle 27 Neill Williams 30 Paul Frentsos 37 Stanford Young 33</p> <p>EMPIRE 4:22.22 Michael S Ewalt 33 Mark Larson 35 Todd Cooper 35 Mark Houston 31</p> <p>MINNESOTA 4:35.36 Thomas Senn 30 Stephen Nelson 37 Scott Winter 37 Hans Gaedeke 32</p> <p>GOLD COAST 4:41.61 Kenneth Shields 33 Craig Crawford 28 Craig Burns 45 Chuck Reller 46</p> <p>VENICE MASTERS 4:45.24 David Kastigar 34 Bryan Weaver 44 Chappie De Haven 29 Bob Eberwine 38</p> <p>COLONIALS 1776 4:56.63 Mike Dowhy 35 Robert Ryan 33 Jim Senior 35 Jason Klugman 27</p> <p>SFRP MASTERS 4:57.32 Walter Hellmuth 38 Wayne Rogers 39 Douglas Lee 31 Bart McDermott 42</p> <p>DCAC 5:08.32 Scott Brinitzer 35 Jack Markey 45 Jay Fiset 42 James Ridout 36</p> <p>SDSM 5:11.47 Dan MacGregor 48 David Cowan 25 Robert Andrews 31 Ryan Bennett 25</p> <p>OREGON MASTERS 5:36.31 William Kline 36 Todd Guenzburger 37 John Tegzes 36 Eric Miller 32</p> <p>400 M. MEDLEY R MEN 160+</p> | <p>MINNESOTA 4:35.87 94 PAUL WINDRATH JOHN EVERS JOHN MCCALL LARRY NYMAN</p> <p>W. HOLLYWOOD 4:26.81NV James Ballard 40 Mauro Bordovsky 41 Kurt Smith 37 Jon Bauer 46</p> <p>GOLD COAST 4:40.11 Marty Hendrick 40 Sean Frampton 32 Jonathan Olsen 35 Douglas Buchan 54</p> <p>EMPIRE 4:41.70 Scott Creighton 42 Edward Wilson 39 Charles Carson 44 Brad Cole 40</p> <p>USF MASTERS 4:47.96 Duke Dahlin 50 Richard Atondo 48 Richard Garrett 45 David Ahlman 47</p> <p>MINNESOTA 4:57.12 Chris Anderson 45 Lindsey Kopp 41 Mark Trampf 40 D Biemesderfer 38</p> <p>COLONIALS 1776 5:02.47 John Culhane 42 David Topel 45 Keith Robinson 44 Brian Cahill 33</p> <p>TXAM 5:19.87 Rex Toltschin 46 Mark Stori 32 Brad Levinson 42 William Baker 45</p> <p>LONG BEACH 5:28.58 Philip Bias 44 Michael Jarvis 50 Chuck Rainey 34 Craig Coffin 50</p> <p>W. HOLLYWOOD 5:31.34 Paulo Figueirdo 52 David Hay 47 Neil Fenn 45 Neal Wiener 54</p> <p>WIS MASTERS 5:45.71 T G Meehan 51 John Maniaci 47 C Ehlenbach 37 Kenneth Wehr 47</p> <p>400 M. MEDLEY R MEN 200+</p> <p>THE OLYMPIC CLB 4:38.46 94 TIM BIRNIE ROBERT STRAND RICHARD BASSI JAMES ELDER</p> <p>GARDEN STATE MA 5:11.44 Jack Zakim 52 Ed Nessel 53 Richard Bohan 47 Jim Dragon 54</p> <p>400 M. MEDLEY R MEN 240+</p> <p>GOLD COAST 5:21.05 98 DAVID MCINTYRE HERB KERN JOEL BURNS CAV CAVANAUGH</p> <p>GOLD COAST 5:21.05</p> | <p>David McIntyre 61 Herb Kern 66 Joel Burns 52 Cav Cavanaugh 62</p> <p>OREG 5:31.45 George Thayer 62 Robert Smith 55 Bert Petersen 59 David Radcliff 64</p> <p>GAJA 8:06.06 Bruce Schappell 40 Herb McAuley 75 John Zeigler 52 John Taylor 77</p> <p>GOLD COAST 8:39.07 William Quayle 56 L Silverstein 64 George Lustig 69 Agustin Delavega 73</p> <p>400 M. MEDLEY R MEN 280+</p> <p>COLONIALS 6:30.60 90 ROGER FRANKS NORMAN GARSOE BIRCH DAVIDSON FRANK BELLAIRE</p> <p>NO RELAYS</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>COAST MASTERS 7:34.79 Bob Christians 82 Bob Merrick 78 Louis Giberson 77 Woodrow Bowersock 85</p> <p>800 M. FREE REL MEN 76+</p> <p>DAVIS 9:11.58 89 MIKE COLLINS JEFF BAILEY JEFF HICKS TOM MCNAMARA</p> <p>LAKESIDE MASTER 9:26.66 Josh Hamilton 23 Matthew Reinhart 19 Chad Cummins 25 Dale Mercker 31</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>NO RELAYS</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>VENICE MASTERS 9:35.03 Chappie De Haven 29 Dan Borton 30 David Kastigar 34 Bob Eberwine 38</p> <p>CRESCENT HILL 9:39.49 Jeff Hogg 33</p> | <p>William Polk 29 Paul Widman 25 Norman Schippert 35</p> <p>LAKESIDE MASTER 10:15.13 Jim Luebbe 30 Jimbo Martin 40 Sam Blythe 38 David Buttery 39</p> <p>PNA 11:12.83 Dan Frost 30 Jamie Sherman 26 Paul Ikeda 39 Eric Dybdahl 38</p> <p>VENICE MASTERS 15:23.75 Nihal Sarikaya 27 Kedrin Mc Kenzie 33 Antonio Salcedo 27 John Kocker 43</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>MINN 8:47.08 Nate Leigh 42 James Stewart 41 Paul Windrath 44 Thomas Emison 40</p> <p>GOLD COAST 9:33.03 John Andrews 39 Marty Hendrick 40 Douglas Buchan 54 Jonathan Olsen 35</p> <p>CRESCENT HILL 9:46.25 Michael Johmann 36 James Huguenard 44 Jim Grubbs 43 John Voorhees 39</p> <p>WIS MASTERS 10:36.11 Kenneth Wehr 47 S Justinger 45 Eric Jernberg 39 C Ehlenbach 37</p> <p>LAKESIDE MASTER 12:55.91 Charles Carter 46 Steve Auden 42 James Goodwin 50 William Wittig 48</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>GOLD COAST 9:26.39 Cav Cavanaugh 62 Craig Burns 45 John Spire 46 Peter Galvich 47</p> <p>LAKESIDE MASTER 11:48.12 Woody Turrentine 49 Theodore Wathen 51 Glenn Hubbuch 53 Tom Grant 47</p> <p>800 M. FREE REL MEN 240+</p> <p>RINCONADA 10:55.42 94 ALDO DA ROSA RICHARD BENNETT JAMES SHAW JOHN SELMER</p> <p>GOLD COAST 12:58.55</p> |
|---|--|--|---|

1998 LONG-COURSE METERS - TOP-TEN RELAYS

| | | | | | | | |
|-------------------|-------------|-------------------|------------|------------------|------------|-------------------|------------|
| David McIntyre | 61 | Elizabet Irving | 25 | Kirk Buese | 38 | | |
| George Busse | 66 | Car Kadyszewski | 22 | Melinda Schmitt | 39 | LOS ALTOS | 1:55.50 94 |
| L Silverstein | 64 | Gordon Andrews | 38 | Pam Martin | 40 | EDWARD CAZALET | |
| William Quayle | 56 | GOLD | 1:50.93 | CRAWFISH MASTER | 1:55.67 | LAURA VAL | |
| 800 M. FREE REL | MEN 280+ | Craig Crawford | 28 | Adam Werth | 28 | ARLENE PROEBSTING | |
| SAN MATEO | 12:22.64 94 | Christena Pazos | 30 | Karlene Wise | 44 | ROBERT PROEBSTING | |
| RAY TAFT | | Linda Haus | 30 | Ann Hill | 28 | GOLD | 1:58.45 |
| FRED TAIOLI | | Terry Lage | 30 | Peter Schuyten | 29 | Cav Cavanaugh | 62 |
| ED MORAN | | OREG | 1:54.11 | CRESCENT HILL | 1:56.16 | Janet Zann | 47 |
| BILL STEUART | | Horst Niehaus | 30 | Norman Schippert | 35 | Meg May | 40 |
| NO RELAYS | | Christy Grafton | 28 | Janet Zeller | 35 | Douglas Buchan | 54 |
| 800 M. FREE REL | MEN 320+ | Cathy Law | 30 | Donna Johnson | 30 | SPM | 2:01.86 |
| COAST MASTERS | 17:33.86 95 | David Rice | 31 | Michael Neal | 34 | Gary Bastie | 48 |
| JOHN GLENN | | ROLLING HILLS M | 1:55.29 | SPM | 1:57.62 | Lindsay Powell | 49 |
| ROBERT CHRISTIANS | | Debbie Schultz | 30 | Bob Buresh | 40 | Anne Page | 50 |
| WALTER PFEIFFER | | Jim Larson | 20 | Maud Orlando | 35 | Ton Cherrington | 55 |
| WOODROW BOWERSOCK | | Cokie Lepinski | 39 | Tanya Lane | 26 | SWIM | 2:02.00 |
| NO RELAYS | | Tom Pierce | 23 | Jack Pyhel | 54 | Larry Black | 40 |
| MIXED RELAYS | | EMPIRE | 1:56.00 | 200 M. FREE REL | MIXED 160+ | Deb Walker | 47 |
| 200 M. FREE REL | MIXED 76+ | Rob Ripp | 36 | RMM | 1:45.83 98 | Lynn Cartee | 51 |
| UNIV SAN FRAN | 1:48.50 92 | Catherine Liang | 23 | KATHY GARNIER | | Dren Geer | 64 |
| CYNTHIA HINSHAW | | Marcy Yeisley | 29 | LAUREN WELTING | | OREG | 2:03.48 |
| GARY YANG | | Dake Gonzales | 27 | RICHARD ABRAHAMS | | Douglas Prentice | 50 |
| JANET HAUER | | OREG | 1:58.13 | JAMES LILLEY | | Jackie Quattro | 50 |
| ANDREW GELLER | | Doug Christensen | 35 | RMM | 1:45.83 | Robert Smith | 55 |
| GOLD | 1:58.35 | Heather McClellan | 25 | Kathy Garnier | 38 | Sandi Rousseau | 50 |
| Nathan Fields | 21 | Lindsay Sovde | 28 | Lauren Welting | 32 | TTEX | 2:04.24 |
| Brenda Tomtan | 25 | Kyle Kimball | 27 | Richar Abrahams | 53 | Sharon Wencel | 39 |
| Ann Coccagnia | 26 | MCM | 1:58.59 | James Lilley | 38 | Judy Lambert | 42 |
| Cooper Faust | 20 | Dana Smith | 34 | TTEX | 1:48.55 | Graham Johnston | 67 |
| CRESCENT HILL | 1:58.57 | Adam Sagarwala | 19 | Sa Neilson-Bell | 42 | Chuck Baldwin | 68 |
| Brad Schmied | 26 | Julia Wood | 25 | Bruce Wencel | 43 | GOLD | 2:04.77 |
| Julie Howard | 24 | Robert Carter | 34 | David Guthrie | 38 | Joel Burns | 52 |
| Diane Allen | 20 | GOLD | 1:58.81 | Jann Girard | 38 | Anne Laborwit | 48 |
| Paul Widman | 25 | Sean Frampton | 32 | THE OLYMPIC CLU | 1:50.46 | Rorie Anderson | 47 |
| CRESCENT HILL | 2:00.13 | Michell Schraer | 27 | Joan Schriger | 33 | Jerry Greenberg | 56 |
| Eric Fors | 27 | Michell Hammons | 27 | Stephene Clark | 55 | NCMS | 2:07.68 |
| Jennifer Kroh | 19 | Donald Stefani | 20 | Marguerite Meyer | 39 | Jerry Clark | 60 |
| Emilee Causey | 19 | 200 M. FREE REL | MIXED 120+ | David Lundberg | 37 | Sally Newell | 60 |
| Steve Brigrance | 23 | GOLD | 1:42.65 98 | SPM | 1:50.95 | Mary Sansbury | 45 |
| DAVIS AQUATIC | 2:02.66 | TODD PACE | | Eddie Riach | 45 | Rolf Pinkerton | 59 |
| Becky Smith | 19 | TRACIE MOLL | | Cath Shonkwiler | 38 | THE OLYMPIC CLU | 2:07.86 |
| Cheryl Attubato | 25 | JAMIE HERRINGTON | | Andrea Nauta | 39 | Danielle Ogier | 45 |
| Homa Gharavi-Nour | 29 | KURT WIENANTS | | William Specht | 40 | Margery Meyer | 75 |
| Andyen Bozdech | 20 | GOLD | 1:42.65 | SDSM | 1:54.46 | William Van Horn | 59 |
| WRAM | 2:14.79 | Todd Pace | 30 | Mike Freshley | 57 | James Krueger | 59 |
| Bobby Anderson | 21 | Tracie Moll | 34 | Nancy North | 30 | MACO | 2:08.24 |
| Kimberly Mazzola | 27 | Jami Herrington | 32 | Trish Miranda | 29 | Karl Vontagen | 54 |
| Krista Hall | 25 | Kurt Wienants | 36 | Lee Mench | 45 | Lavelle Stoinoff | 65 |
| Jamison Drees | 23 | GOLD | 1:52.52 | NEM | 1:54.57 | Robert Maestre | 48 |
| 200 M. FREE REL | MIXED 100+ | Dan Rosenthal | 38 | Jacki Hirsty | 45 | Becky Oblatz | 38 |
| MICHIGAN | 1:44.84 96 | Mary Gardner | 33 | David Bright | 45 | SPM | 2:09.39 |
| DYNE BURRELL | | Tanya Hanson | 37 | Tracy Grilli | 41 | Stephan Freeman | 42 |
| SUSIE DEVLIN | | Marty Hendrick | 40 | Rob Berry | 30 | Jayne Lambke | 59 |
| TODD MERCER | | MICH | 1:53.51 | OREG | 1:57.36 | Pam Geiger | 45 |
| MICHAEL GREEN | | Algernon Keith | 38 | James Sorensen | 39 | Peter Betzer | 56 |
| NCMS | 1:45.97 | Jill Oviatt | 31 | Liz Cheney | 41 | 200 M. FREE REL | MIXED 240+ |
| Rachel Gunn | 27 | Dawn Hewitt | 33 | Christy Hartman | 45 | SAN DIEGO | 2:07.26 97 |
| Heather Hageman | 27 | Eric Nordlund | 34 | Scott Findorff | 42 | DONALD BAKER | |
| Jeff Murray | 28 | IM | 1:53.62 | GOLD | 1:57.85 | JEANNE LITTLE | |
| Grant Johnston | 25 | Bob Young | 33 | Craig Burns | 45 | JACKIE MARR | |
| SPM | 1:48.39 | Tom McCabe | 40 | Debbi Cavanaugh | 40 | BILL EARLEY | |
| Lisa Summers | 27 | Jennifer Ridge | 29 | Marcia Barry | 49 | GOLD | 2:13.64 |
| Will Lane | 27 | Betty Bennett | 55 | Hank Oppenborn | 40 | Herb Kern | 66 |
| Stuart Barton | 30 | VMST | 1:54.68 | SPM | 1:58.51 | Susan Peterson | 55 |
| Charlo Petersen | 34 | Paula Jones | 29 | Judy Tibma | 42 | Jean Turner | 50 |
| LYTA | 1:49.36 | Dave Holland | 31 | William Hempel | 41 | William Dolan | 69 |
| Mark Oviatt | 30 | Patty Powis | 37 | Michae Milligan | 41 | OREG | 2:16.57 |
| | | Lang Meem | 44 | Tricia Moses | 38 | George Thayer | 62 |
| | | WALNUT CREEK MA | 1:54.99 | NEM | 2:01.56 | Pamela Himstreet | 54 |
| | | Paula Roemer | 37 | Karl Kolb | 37 | Susanne Schumann | 60 |
| | | Kerry O'Brien | 40 | Constan Hallett | 39 | David Radcliff | 64 |
| | | Kathy Woehrle | 35 | Ka Nisley-Black | 42 | ARIZ | 2:28.39 |
| | | Steve Stahl | 33 | Kevin Fisher | 43 | Tom Winters | 57 |
| | | LAKESIDE MASTER | 1:55.38 | 200 M. FREE REL | MIXED 200+ | Daniel Gruender | 68 |
| | | Jim Luebbe | 31 | | | Edie Gruender | 70 |

1998 LONG-COURSE METERS - TOP-TEN RELAYS

| | | | | | |
|----------------------------|------------|----------------------------|------------|----------------------------|------------|
| Sally Bolar | 59 | Jean Duncan | 65 | STUART KNOWLES | 45 |
| SAN DIEGO SWIM | 2:32.10 | OREG | 3:19.92 | REBECCA WETZEL | 42 |
| Ken Kimball | 67 | Ada Hebert | 82 | GOLD | 2:03.54 |
| Lynne Lune | 57 | Mike Popovich | 71 | Kurt Wienants | 36 |
| Bill W Earley | 61 | Margaret Wells | 72 | Susie Geyer | 25 |
| Marian Wolle | 70 | Bert Petersen | 59 | Sean Frampton | 32 |
| SPM | 2:33.48 | UNIV. SAN FRAN | 3:36.99 | Bethann Schwarz | 22 |
| John Risher | 62 | Anna-Lisa Recchia | 76 | OJAI-SANTA BARB | 2:04.74 |
| Jayne Lambke | 58 | Rich Schomberg | 72 | Scott Reed | 27 |
| Jacquelyn Piper | 61 | Fred Rogers | 75 | Wenke Hansen | 29 |
| Peter Arnold | 59 | Sarah Davis | 74 | Brian Alderman | 29 |
| WALNUT CREEK MA | 2:36.05 | OREG | 3:44.48 | Katrina Carson | 25 |
| Rob Mayo | 64 | Elfie Stevenin | 76 | SPM | 2:04.81 |
| Donna Monroe | 64 | William Holman | 67 | Will Lane | 27 |
| John Alexander | 66 | Kathy Hughes | 71 | Tanya Lane | 26 |
| Jess Sawyer | 50 | Zygmund Kasner | 75 | Stuart Barton | 30 |
| SPM | 2:36.86 | | | Lisa Summers | 27 |
| Charles Kohnken | 66 | 200 M. FREE REL MIXED 320+ | | LYTA | 2:08.38 |
| Elaine Bromwich | 55 | | | Gordon Andrews | 38 |
| Sandy Steer | 59 | D C MASTERS | 3:03.15 93 | Alvin Rodriguez | 32 |
| Harold Ferris | 67 | NANCY CLARK | | Elizabeth Irving | 25 |
| LAKESIDE MASTER | 2:43.31 | ANNE WALKER | | Car Kadszewski | 22 |
| Richard Scheu | 57 | KELLY LEMMON | | EMPIRE | 2:10.63 |
| Gary Weisenthal | 84 | DAVID MCAFFEE | | Scott Hirose | 32 |
| Wendy Medley | 44 | WIS MASTERS | 3:32.14 | Theodore Stark | 33 |
| Sue Jewell | 55 | Lynn Surlis | 81 | Catherine Liang | 23 |
| MACO | 2:45.44 | Fran Zeumer | 78 | Marcy Yeisley | 29 |
| Jim Bigler | 62 | Betty Kendall | 78 | NEM | 2:10.77 |
| Clark Austen | 70 | Herbert Howe | 86 | Rebe Kupcinkas | 24 |
| Joyce Bahler | 68 | SPM | 3:35.78 | S Van Kuilenburg | 33 |
| Lavelle Stoinoff | 65 | Kermit Hotvedt | 83 | Jennifer Cullen | 27 |
| LAKESIDE MASTER | 2:46.24 | Win Kennedy | 85 | Rob Berry | 30 |
| Mary Ann Haragan | 64 | June Reynolds | 76 | LYTA | 2:11.48 |
| Mary Jane Mullins | 67 | Robert Atwood | 78 | Mark Oviatt | 30 |
| Martin O'Toole | 58 | CONN | 3:36.40 | Suzan Dearworth | 26 |
| Randall Dufour | 51 | Ellio Schofield | 75 | John Stewart | 32 |
| 200 M. FREE REL MIXED 280+ | | Agnes Romayko | 84 | Gillian Spiller | 26 |
| OREGON | 2:31.29 92 | Gus Langner | 95 | CRESCENT HILL | 2:12.04 |
| GERALD HUESTIS | | Doroth Donnelly | 76 | Kristi Berg | 24 |
| ANDREW HOLDEN | | FMM | 4:16.96 | Abraham Solano | 28 |
| PETEY SMITH | | Bunny Havlicek | 80 | Jeff Hogg | 33 |
| PAULINE STANGEL | | Regan Kenner | 74 | Beth Blincoe | 27 |
| GOLD | 2:39.50 | Frank Tillotson | 83 | OREG | 2:13.78 |
| Alfredo Utrilla | 78 | Dave Malbrough | 85 | Kyle Kimball | 27 |
| June Krauser | 72 | 200 M. MEDLEY R MIXED 76+ | | William Zolna | 29 |
| Margaret Dwyer | 62 | UNIV SAN FRAN | 2:02.31 92 | Jeanne Thimm | 34 |
| Loring Holmes | 69 | GARY YANG | | Teresa Macaluso | 28 |
| SPM | 2:40.82 | JANET HAUER | | VMST | 2:14.02 |
| Abrasha Brainin | 75 | GREG MACKEM | | Gennard Lanzara | 40 |
| Florence Carr | 73 | CYNTHIA HINSHAW | | Shann Summerlin | 25 |
| Thomas Smith | 71 | GOLD | 2:15.72 | Dave Holland | 31 |
| Ka Knight-Perry | 63 | Chris Horgan | 19 | Rebecca Miller | 19 |
| OREG | 2:51.11 | Brenda Tomtan | 25 | 200 M. MEDLEY R MIXED 120+ | |
| Earl Walter | 77 | Nathan Fields | 21 | GOLD | 1:57.30 98 |
| Louise Hepner | 73 | Ann Coccagnia | 26 | CRAIG CRAWFORD | |
| Pauline Stangel | 76 | CRESCENT HILL | 2:17.95 | SETH VAN NEERDEN | |
| Gilbert Young | 76 | Emilee Causey | 19 | TRACIE MOLL | |
| OJAI-SANTA BARB | 3:04.61 | Eric Fors | 27 | JAMIE HERRINGTON | |
| Malchia Olshan | 67 | Steve Brigance | 23 | GOLD | 1:57.30 |
| Grace Altus | 74 | F Bader | 25 | Craig Crawford | 28 |
| Jurgen Schmidt | 75 | CRESCENT HILL | 2:18.41 | Set Van Neerden | 30 |
| John Stern | 74 | Brad Schmied | 26 | Tracie Moll | 34 |
| WALNUT CREEK MA | 3:09.40 | Julie Howard | 24 | Jami Herrington | 32 |
| Fred Trask | 77 | Jennifer Kroh | 19 | SPM | 2:04.45 |
| Sally Joy | 81 | Paul Widman | 25 | Bob Buresh | 40 |
| Jae Howell | 76 | WRAM | 2:38.74 | Caroli Hamilton | 23 |
| Harold Boscovich | 56 | Jamison Drees | 23 | Stuart Barton | 30 |
| COAST MASTERS A | 3:12.02 | Bobby Anderson | 21 | Charlo Petersen | 34 |
| Bob Christians | 82 | Kimberly Mazzola | 27 | OREG | 2:04.71 |
| Louise Bogaards | 76 | Krista Hall | 25 | Steve George | 38 |
| Maurine Kornfeld | 76 | 200 M. MEDLEY R MIXED 100+ | | Pat Allender | 39 |
| Bob Merrick | 78 | HOUSTONIAN CLUB | 1:56.50 90 | Laura Worden | 40 |
| WALNUT CREEK MA | 3:13.99 | CLAY BRITT | | Lisa Hjerpe | 29 |
| Bill Johnston | 80 | L WETZEL-OSBORNE | | GOLD | 2:05.86 |
| Pat Prevetz | 77 | | | Mary Gardner | 33 |
| Frank Nieman | 65 | | | Jan Van DerSluis | 37 |
| | | | | Craig Burns | 45 |
| | | | | Jean Spinelli | 42 |
| | | | | MICH | 2:06.67 |
| | | | | Dawn Hewitt | 33 |
| | | | | Algernon Keith | 38 |
| | | | | Jill Oviatt | 31 |
| | | | | Eric Nordlund | 34 |
| | | | | NCMS | 2:06.69 |
| | | | | Heather Hageman | 27 |
| | | | | Rachel Gunn | 27 |
| | | | | Jeff Murray | 28 |
| | | | | Hill Carrow | 43 |
| | | | | LAKESIDE MASTER | 2:06.86 |
| | | | | John Gleason | 38 |
| | | | | Dale Mercker | 31 |
| | | | | Pam Martin | 40 |
| | | | | Melinda Schmitt | 39 |
| | | | | SPM | 2:09.42 |
| | | | | Cathy Shonkwiler | 38 |
| | | | | Lisa Flanagan | 35 |
| | | | | William Specht | 40 |
| | | | | Timothy Kennedy | 41 |
| | | | | OREG | 2:10.25 |
| | | | | Martina Ralle | 32 |
| | | | | James Sorensen | 39 |
| | | | | Matthew Roth | 31 |
| | | | | Lindsay Sovde | 28 |
| | | | | GAJA | 2:12.87 |
| | | | | Michell McClain | 25 |
| | | | | Irina Vazhenin | 33 |
| | | | | Igor Vazhenin | 34 |
| | | | | Brian Pakkala | 36 |
| | | | | 200 M. MEDLEY R MIXED 160+ | |
| | | | | TTEX | 2:01.22 98 |
| | | | | SHARON WENCEL | |
| | | | | DAVID GUTHRIE | |
| | | | | BRUCE WENCEL | |
| | | | | S NEILSON-BELL | |
| | | | | TTEX | 2:01.22 |
| | | | | Sharon Wencel | 39 |
| | | | | David Guthrie | 38 |
| | | | | Bruce Wencel | 43 |
| | | | | Sa Neilson-Bell | 42 |
| | | | | THE OLYMPIC CLU | 2:02.11 |
| | | | | Joan Schriger | 33 |
| | | | | Robert Strand | 52 |
| | | | | David Lundberg | 37 |
| | | | | Marguerite Meyer | 39 |
| | | | | SPM | 2:04.39 |
| | | | | Eddie Riach | 45 |
| | | | | Judy Tibma | 42 |
| | | | | William Specht | 40 |
| | | | | Cath Shonkwiler | 38 |
| | | | | NEM | 2:04.56 |
| | | | | Tracy Grilli | 41 |
| | | | | Jonath Banville | 27 |
| | | | | Fred Schlicher | 50 |
| | | | | Jacki Hirsty | 45 |
| | | | | IM | 2:10.68 |
| | | | | Betty Bennett | 55 |
| | | | | Plam Alexandrov | 37 |
| | | | | Andrea Block | 36 |
| | | | | Tom McCabe | 40 |
| | | | | OREG | 2:11.41 |
| | | | | Peter Metzger | 43 |
| | | | | Christy Hartman | 45 |
| | | | | Christophe Roth | 39 |
| | | | | Liz Cheney | 41 |
| | | | | ANCM | 2:11.56 |
| | | | | Michael Fell | 36 |
| | | | | Margo Pettijohn | 52 |
| | | | | John Feinstein | 43 |
| | | | | Penny Bates | 37 |
| | | | | TEAM BERKELEY | 2:12.25 |
| | | | | Ralph Elder | 45 |
| | | | | Melon Dash | 43 |

1998 LONG-COURSE METERS - TOP-TEN RELAYS

| | | | | | | | | | |
|----------------------------|---------|----------------------------|-----------------|----------------------------|----------------------------|----------------------------|-------------------|----|--|
| Steve Czekala | 38 | SAN DIEGO SWIM | 2:33.51 | OREG | 3:42.81 | WALNUT CREEK | 4:01.94 | 91 | |
| Linda Buchanan | 41 | Bill W Earley | 61 | Margaret Wells | 72 | CAREN LEWIS | | | |
| VMT | 2:13.07 | Jackie Marr | 55 | Leon Garrison | 69 | PAULA ROEMER | | | |
| Beth Baker | 37 | Lynne Lune | 57 | Eric Guest | 68 | TOM FRISTOE | | | |
| Lisa Bennett | 42 | Ken Kimball | 67 | Kathy Hughes | 71 | GREG REMMERT | | | |
| Eric Miller | 51 | DCM | 2:36.49 | OJAI-SANTA BARB | 3:47.12 | GOST | 4:26.14 | | |
| Jim Miller | 48 | Raymond Chen | 64 | Grace Altus | 74 | Bradley Burget | 34 | | |
| LAKESIDE MASTER | 2:14.80 | Jayne Bruner | 64 | Maggie Mors | 72 | Rick Edwards | 32 | | |
| William Tingley | 48 | Barbara Frid | 56 | John Stern | 74 | Melissa Schramm | 27 | | |
| A Wright-Belknap | 47 | Lawrence Cohen | 63 | Richard Weirick | 70 | Julie Applegate | 27 | | |
| Kirk Buese | 38 | NEW ENGLAND MAS | 2:44.32 | ST LOUIS MASTER | 3:54.66 | EMPIRE | 4:26.88 | | |
| Amy Pope | 37 | James K Edwards | 75 | Edith Hendry | 87 | Alexander Hall | 26 | | |
| 200 M. MEDLEY R MIXED 200+ | | Aagje A Caron | 56 | Mary Sibbers | 52 | Catherine Liang | 23 | | |
| TAM | 2:08.56 | 98 | Winthrop Wilson | 71 | Robert Blake | 73 | Laurie Cotter | 42 | |
| RICHARD BURNS | | E Macbride-Mack | 39 | Jack Huber | 75 | Rolf Sjorgen | 35 | | |
| KENNETH FROST | | NEM | 2:45.29 | COAST MASTERS A | 3:59.04 | EMPIRE | 4:35.06 | | |
| LAURA VAL | | Carol Adams | 54 | Maurine Kornfeld | 76 | Richmond Curtiss | 34 | | |
| NANCY RIDOUT | | Ted Haartz | 70 | Kathy Dixon | 71 | Catherine Lynch | 37 | | |
| TAM | 2:08.56 | Susa Livingston | 60 | Louis Giberson | 77 | Marie-H Charlap | 37 | | |
| Richard Burns | 55 | Larry Dunham | 60 | Bob Merrick | 78 | Michael Eade | 41 | | |
| Kenneth J Frost | 53 | ARIZ | 2:46.98 | SPM | 3:59.88 | SFRP MASTERS | 4:37.80 | | |
| Laura Val | 46 | Edie Gruender | 70 | Robert Atwood | 78 | Lisa Congdon | 30 | | |
| Nancy Ridout | 56 | Daniel Gruender | 68 | June Reynolds | 76 | Falk Cammin | 38 | | |
| GOLD | 2:16.97 | Tom Winters | 57 | John Cox | 63 | Douglas Lee | 31 | | |
| Janet Zann | 47 | Sally Bolar | 59 | Mary Lou Mitchell | 67 | Bart McDermott | 42 | | |
| Debbi Cavanaugh | 40 | GOLD | 2:47.42 | OREG | 4:32.67 | GOLD COAST | 4:48.25 | | |
| Joel Burns | 52 | Alan Rapperport | 64 | Judy Melcher | 78 | Brenda Tomtan | 25 | | |
| Cav Cavanaugh | 62 | Leon Silverstein | 64 | Khosrow Shadbeh | 77 | John Andrews | 39 | | |
| GSM | 2:18.25 | Brigi Edelmaier | 51 | Dick Slawson | 62 | Anne Laborwit | 47 | | |
| Doris Steadman | 73 | Margaret Dwyer | 62 | Elfie Stevenin | 76 | Chuck Reller | 46 | | |
| Richard Bohan | 47 | OREG | 2:48.33 | 200 M. MEDLEY R MIXED 320+ | | LAKE LYTAL | 4:51.22 | | |
| Luallen-Scholz | 33 | Kaleo Schroder | 62 | SAN MATEO | 3:57.45 | 94 | John Stewart | 31 | |
| Edward Nessel | 53 | George Thayer | 62 | JOE KAUFMAN | | Suzanne Dearworth | 25 | | |
| OREG | 2:19.00 | Alice Zabudsky | 53 | HELEN ROUMASSET | | Gillian Spiller | 26 | | |
| Robert Smith | 55 | David Radcliff | 64 | RAY TAFT | | Mark Braun | 40 | | |
| Douglas Prentice | 50 | LAKESIDE MASTER | 3:02.42 | AUDREY ETIENNE | | INLAND MASTERS | 4:58.47 | | |
| Sandi Rousseau | 50 | Mary Jane Mullins | 67 | COAST MASTERS A | 4:27.01 | Mary Danapolis | 25 | | |
| Jackie Quattro | 50 | Martin O'Toole | 58 | Madeleine Miller | 87 | Kinney Hardin | 36 | | |
| TTEX | 2:20.92 | James Goodwin | 51 | Walter Pfeiffer | 84 | Lisa Good | 35 | | |
| Graham Johnston | 67 | Mary Ann Haragan | 64 | Bob Christians | 82 | Mike Murphy | 37 | | |
| Jann Girard | 38 | Charles Kohnken | 66 | Louise Bogaards | 76 | TEAM BERKELEY | 4:59.99 | | |
| Judy Lambert | 42 | Beverley Tucker | 63 | SPM | 4:44.26 | Laurie Cole | 42 | | |
| Chuck Baldwin | 68 | Art Tebbens | 68 | Kermit Hotvedt | 83 | Evan Kerr | 34 | | |
| SWIM | 2:22.20 | Ka Knight-Perry | 63 | Win Kennedy | 85 | Melon Dash | 43 | | |
| Dren Geer | 64 | Richard Avery | 75 | June Reynolds | 76 | Johan Steiner | 33 | | |
| Deb Walker | 47 | Leslie Treat | 49 | Robert Atwood | 78 | BRYB | 5:01.96 | | |
| Kevin McCormack | 45 | John Cox | 63 | FMM | 5:00.89 | Elizabeth Carlson | 21 | | |
| Lynn Cartee | 51 | Sandy Steer | 59 | Dave Malbrough | 85 | Mark Veater | 41 | | |
| SWIM | 2:24.08 | 200 M. MEDLEY R MIXED 280+ | | Frank Tillotson | 83 | Betty Veater | 51 | | |
| Liz Burchett | 36 | O*H*I*O | 2:56.33 | 93 | Gladys Olsen | 72 | Carlton Devooght | 26 | |
| Rick Walker | 47 | BETTY RUSS | | Bunny Havlicek | 80 | MINNESOTA MAST | 5:07.67 | | |
| John Wagner | 55 | LILLY KRON | | 400 M. FREE REL MIXED 76+ | | Thomas Emison | 40 | | |
| Jean Garbus | 64 | PAUL KRUP | | OLYMPIC CLUB | 4:04.97 | 95 | Jacquelin Kellner | 27 | |
| OREG | 2:25.48 | DEXTER WOODFORD | | BRAD BUDNEY | | Colleen McDonald | 38 | | |
| Monika Hunscher | 50 | SPM | 3:04.84 | MICHAEL COOLEY | | Rick Dushaw | 34 | | |
| Allen Stark | 49 | Barbara Allen | 65 | ELAINE WEIGAND | | 400 M. FREE REL MIXED 160+ | | | |
| Bert Petersen | 59 | Abrasha Brainin | 75 | ALICIA ROWELL | | TEAM ORLANDO | 4:02.04 | 97 | |
| Christine Clum | 52 | Thomas Smith | 71 | NO RELAYS | | ROSEMARY SEAMAN | | | |
| MACO | 2:26.10 | Florence Carr | 73 | 400 M. FREE REL MIXED 100+ | | C MILTENBERGER | | | |
| David Burleson | 41 | GOLD | 3:05.47 | WALNUT CREEK | 4:07.44 | 93 | CATHY SHONKWILER | | |
| Evelyn Sinai | 58 | Ardis Bourland | 65 | JEFF RODGERS | | L MEISENHEIMER | | | |
| Robert Moore | 38 | Herb Kern | 66 | SUZANNE HEIM | | GAJA | 4:44.06 | | |
| Lavelle Stoinoff | 65 | June Krauser | 72 | M. GHIGGERFI | | John Zeigler | 52 | | |
| SPM | 2:26.26 | Des Sessinghaus | 83 | TOM ORTEGA | | Beth McGee | 36 | | |
| Lindsay Powell | 49 | OREG | 3:11.63 | LA MESA MASTERS | 5:40.71 | Amy Grossman | 37 | | |
| Pat Marzulli | 49 | Gilbert Young | 76 | Wendy Alcock | 27 | Brian Pakkala | 35 | | |
| Jack Pyhel | 54 | Louise Hepner | 73 | Timothy Madigan | 33 | SFRP MASTERS | 5:08.55 | | |
| Anne Page | 50 | Earl Walter | 77 | Tricia Smith | 29 | Laura Burrus | 33 | | |
| 200 M. MEDLEY R MIXED 240+ | | S Calnek-Lillestr | 55 | Joel Hull | 28 | Jan Powers | 48 | | |
| N CAROLINA | 2:28.04 | 97 | FMM | 3:15.38 | 400 M. FREE REL MIXED 120+ | | Richard Fabian | 55 | |
| JEANNIE MITCHELL | | Regan Kenner | 74 | | | Wayne Rogers | 39 | | |
| SALLY NEWELL | | Doris Prokopi | 62 | | | TEAM BERKELEY | 5:18.28 | | |
| JOHN KORTHEUER | | Elmer Luke | 72 | | | Catherine Lee | 43 | | |
| DICK WEBBER | | Paul Hutinger | 73 | | | Kit Mariah | 44 | | |
| | | | | | | Michael Morford | 43 | | |
| | | | | | | Scott Callaway | 42 | | |

1998 LONG-COURSE METERS - TOP-TEN RELAYS

| | | |
|--|---|---|
| <p>GARDEN STATE MA 5:21.18 Greg Blessing 51 Patty Anderson 46 Rob Copeland 41 Judy Ramirez 40</p> <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>WIS MASTERS 5:40.35 Nancy Kranpitz 53 Dick Pitman 54 Candy Christenson 51 T G Meehan 51</p> <p>INLAND MASTERS 5:49.03 Bob Best 65 P Maglasang 46 Stephanie Avant 49 George Bruggeman 62</p> <p>HEARTLAND 6:00.03 Ron Schafer 40 Mac Hall 39 Marilyn Ramey 58 Nancy Reed 71</p> <p>MICHIGAN 6:40.61 Jean Bails 53 Donald Kroeger 54 Mary Williams 66 Frank Thompson 46</p> <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>O*H*I*O MASTERS 6:52.10 Lilly Kron 66 Phillis Wilson 65 Pieter Cath 68 Julio Aponte 53</p> <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>COAST MASTERS A 7:20.56 Bob Merrick 78 Louis Giberson 77 Kathy Dixon 71 Louise Bogaards 76</p> <p>GOST 8:41.29 Russ Witte 81 Ken Heuck 54 Pat Poire 76 Marge Bowdon 75</p> <p>400 M. FREE REL MIXED 320+</p> <p>SAN MATEO 7:40.34 95 JOE KAUFMAN ZADA TAFT RAY TAFT ADNREY ETIENNE</p> <p>COAST MASTERS A 8:10.15 Walter Pfeiffer 84 Bob Christians 82 Maxine Merlino 86 Maurine Kornfeld 76</p> | <p>400 M. MEDLEY R MIXED 76+</p> <p>UNIV SAN FRAN 4:36.72 91 CYNTHIA HINSHAW JOHN DEARBORN DEAN PANZICA JANET HAUER</p> <p>NO RELAYS</p> <p>400 M. MEDLEY R MIXED 100+</p> <p>WALNUT CREEK 4:36.14 90 PAM BOSCOVICH JON JAQUES KERRY O'BRIEN PAULA ROEMER</p> <p>GOST 5:17.26 Julie Applegate 27 Bradley Burget 34 Melissa Schramm 27 John Denny 30</p> <p>400 M. MEDLEY R MIXED 120+</p> <p>HEARTLAND 4:35.74 93 VICKY DAVIDSON PATTY STARKS RON SCHAFFEE LEE MENCH</p> <p>EMPIRE 4:55.19 Michael S Ewalt 33 Mark Larson 35 Marie-H Charlap 37 Marcy Yeisley 29</p> <p>MENLO PARK MAS 5:10.73 John Moore 34 Lisa Sheeper 34 Brian Kohlmeier 29 Anna Malsch 24</p> <p>LAKE LYTAL 5:18.30 Gillian Spiller 26 Mark Braun 40 John Stewart 31 Suzanne Dearworth 25</p> <p>GARDEN STATE MA 5:19.69 Darek Hahn 31 Wendy Patrick 26 Pete Rahko 32 Lorna Cialdella 34</p> <p>MENLO PARK MAS 5:40.15 Jane Burks 41 Burt Lang 36 Shaun Samuels 37 Judy Strauss 43</p> <p>SFRP MASTERS 5:44.43 Dale Zink 35 Laura Burns 34 Douglas Lee 31 Falk Cammin 38</p> <p>LA MESA MASTERS 5:53.75 Toby Shipley 35 Rosemary Hutzley 44 Joel Hull 28 Cathy Ruff 30</p> <p>BRYB 5:55.06 Jeff Jones 35 Betty Veater 51 Carlton Devooight 26 Elizabeth Carlson 21</p> <p>O*H*I*O MASTERS 5:58.44 Todd Wiemers 30 Diane Rothenberg 45 Steve Horsfield 46 Katherine Pomykal 27</p> <p>INLAND MASTERS 6:03.55 Mike Murphy 37 Charlie Potts 62 Virginia Moretto 29</p> | <p>Lisa Breed 30</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>TEAM BERKELEY 4:52.24 Ralph Elder 45 Melon Dash 43 Steve Czekala 38 Linda Buchanan 41</p> <p>ROLLING HILLS M 5:07.96 Debbie Schultz 30 Cokie Lepinski 39 Bill Adkison 43 Ron Bryant 50</p> <p>W. HOLLYWOOD 5:20.74 Jan Levinrad 51 Matt Knight 37 Don Skeoch 35 Cathryn Chicola 45</p> <p>SAC MASTERS 5:20.94 David Ugarkovich 50 Maggie Redmon 42 Scott Reuss 36 Theresa Muth 40</p> <p>MENLO PARK MAS 5:48.43 Jeff Saunders 34 Katherine Bass 46 Rebecca Pinto 43 Rick Peterson 51</p> <p>UNIV. SAN FRAN 6:22.19 Brian Andrews 46 Paul Henryharth 52 Gayle Bondurant 40 Susan Allen 53</p> <p>EMPIRE 6:29.88 Kathleen Romano 52 Catherine Lynch 37 Richard Merritt 51 Marcus Edward 41</p> <p>GMKW 6:36.96 Lisa Watson 44 Amy Grossman 37 Winifred Prall 50 Beth McGee 36</p> <p>DCAC 7:16.15 James Ridout 36 Marilyn Redman 42 Robert Stofferson 37 Carol Krueger 45</p> <p>SFRP MASTERS 7:54.38 Richard Fabian 55 Selisse Berry 42 Steve Murray 43 Mary Merryman 34</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>TAMALPAIS AQUAT 4:51.55 Richard Burns 55 Phil Jonckheer 46 Laura Val 46 Nancy Ridout 56</p> <p>WIS MASTERS 6:21.70 Edith Jacobsen 50 Candy Christenson 51 Dick Pitman 54 S Justinger 45</p> <p>WALNUT CREEK MA 6:22.29</p> <p>Bob Mayo 64 Joan Alexander 66 James Martin 40 Donna Monroe 64</p> <p>HEARTLAND 6:25.99 Marlee Valderhaug 56 Ron Schafer 40 Marilyn Ramey 58 James Patzold 50</p> <p>CONNECTICUT M 6:35.11 Margit Jebe 60 Meredith Moore 48 Ray Porter 47 Ray Thornberg 58</p> <p>ROLLING HILLS M 6:40.29 Don Pierce 53 Susan Atamaniuk 49 George Viguie 54 Marcie Tevis 50</p> <p>MICHIGAN 7:28.64 Jean Bails 53 Frank Thompson 46 Donald Kroeger 54 Mary Williams 66</p> <p>DCAC 7:39.65 Ellyn Vail 49 John Vail 50 Constance Meck 47 Robert Abramson 55</p> <p>OJAI-SANTA BARB 8:02.75 Kitty Johnston 56 Harry Delatre 52 Donna Lechman 40 John Johnston 55</p> <p>MENLO PARK MAS 10:38.13 Heidi Renner 41 Charlie Ammann 67 John Nolte 48 Vivian Johsens 67</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>SAN MATEO MARL 8:26.51 Zada Taft 79 Roy Taft 51 Ray Taft 79 L Taft Devictori 56</p> <p>400 M. MEDLEY R MIXED 280+</p> <p>ST.PETE 7:16.12 95 PAUL HUTINGER ALAN MALONEY FLORENCE CARR KAY SCHIMPF</p> <p>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>NO RELAYS</p> <p>800 M. FREE REL MIXED 76+</p> <p>DAVIS AQUATIC 9:13.51 94 DARREN MOUNTS CHRISTINE SCHULTZ ERICA WOODS BRIAN NABETA</p> |
|--|---|---|

1998 LONG-COURSE METERS - TOP-TEN RELAYS

NO RELAYS

800 M. FREE REL MIXED 100+

SANTA CLARA 8:45.64 95
 ANNE WATKINS
 LISA HAZEN
 MIKE MOORE
 GREG SCHAFFER

SANTA CRUZ MAST 9:43.73
 Andrea Maechler 29
 Brandon Carter 27
 Sarah Kerlin 23
 John Parker 35

MENLO PARK MAS 10:05.90
 Ed Owen 27
 Brian Kohlmeier 29
 Anna Malsch 24
 Tracey McLachlun 26

LA MESA MASTERS 10:53.19
 Wendy Alcock 27
 Timothy Madigan 33
 Tricia Smith 29
 Joel Hull 28

800 M. FREE REL MIXED 120+

TEAM ORLANDO 9:03.87 97
 ROSEMARY SEAMAN
 CATHY SHONKWILER
 RICK SCRAY
 L MEISENHEIMER

MICH 10:08.83
 Jill Murany 25
 Mark Hesskamp 38
 Dawn Hewitt 33
 Eric Nordlund 34

LAKESIDE MASTER 10:23.77
 Lucy Shearn 30
 Caroline Donnelly 36
 Chuck Lambert 41
 Kevin Scarborough 42

GOLD COAST 10:54.41
 David Ellman 36
 Brenda Tomtan 25
 Anne Laborwit 47
 Laurence Rubel 37

HEARTLAND 11:08.25
 Ron Schafer 40
 Mac Hall 39
 Rebecca Jackman 35
 Shawna Milner 29

LOUISVILLE Y 11:38.53
 Carlton Arnold 45
 Tracy Gillilan 27
 Richard Jones 21
 Gaylee Gillim 44

MICH 14:13.46
 Thomas Schardt 30
 Elmer Sperry 44
 Victoria Webber 23
 Kathy Beckly 51

800 M. FREE REL MIXED 160+

TEAM TEXAS 9:07.41 97
 LARRY WOOD
 S NEILSON-BELL
 KARLENE WISE
 KEITH BELL

LAKESIDE MASTER 9:47.90
 Amy Pope 37
 Melinda Schmitt 39
 Kirk Buese 38
 William Tingley 47

MENLO PARK MAST 11:41.99
 Rick Peterson 51
 Rebecca Pinto 43

Judy Strauss 43
 Darius Paczuski 32
 INLAND MASTERS 12:13.59
 Mary Danapilis 25
 Kinney Hardin 36
 Mark Krakower 55
 P Maglasang 46
 LAKESIDE MASTER 13:42.40
 Gail Kamenish 37
 Marisa Ford 38
 Randall Dufour 51
 Frank Diebold 50

800 M. FREE REL MIXED 200+

SAN DIEGO 10:30.93 97
 BARBARA DUNBAR
 BILL EARLEY
 BETSY JORDAN
 JAMES BOSWELL

MICH 12:02.50
 Donald Kroeger 54
 Jennifer Parks 54
 Beverly Myers 63
 Frank Thompson 46

OJAI-SANTA BARB 17:29.55
 Donna Lechman 40
 Rita May 62
 John Johnston 55
 Robert May 64

800 M. FREE REL MIXED 240+

GOLD COAST 11:35.20 94
 ANNE MCGUIRE
 JUNE KRAUSER
 HERB KERN
 ERNIE LESKOVITZ

WALNUT CREEK MA 13:48.99
 Betty McMillan 69
 Donna Monroe 64
 Fred Trask 64
 Bob Mayo 64

LAKESIDE MASTER 15:25.03
 Gary Weisenthal 84
 Larry Isom 57
 Linda Hubbuch 53
 Sue Jewell 55

MICH 16:18.04
 Robert Golden 72
 Steven Seligson 51
 Jean Bails 53
 Lois Nochman 73

800 M. FREE REL MIXED 280+

ST.PETE 14:06.13 95
 PAUL HUTINGER
 ALAN MALONEY
 FLORENCE CARR
 KAY SCHIMPF

NO RELAYS

800 M. FREE REL MIXED 320+

SAN MATEO 17:09.50 94
 AUDREY ETIENNE
 JOSEPH KAUFMAN
 HELEN ROUMASSET
 RAYMOND TAFT

WIS MASTERS 17:35.63
 Lynn Surles 81
 Fran Zeumer 78
 Betty Kendall 78
 Herbert Howe 86

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ERRATA FOR 1997/1998 TOP-TEN SHORT-COURSE YARDS

| | | | |
|---|--|--|---|
| <p>WOMEN 19-24</p> <ul style="list-style-type: none"> • 50 YD FREESTYLE 23.89 JANET MAYVILLE 24 24.36 JESSICA A TONG 23 24.71 ALISON TERRY 24 24.76 ELLEN LESSIG 23 25.08 J MCEACHERN 24 25.22 KARI DAVIS 23 25.24 JESSICA SANTO 24 25.46 J GEMEINHARDT 24 25.74 LEE NESSEL 22 25.94 CLAUDINE TJHIO 22 | <p>WOMEN 50-54</p> <ul style="list-style-type: none"> • 50 YD BUTTERFLY 30.93 DIANA TODD-TAFT 54 31.88 SHERRY L PUTHOFF 50 31.88 JUDY REED 54 32.17 RUTH Y SHAPS 50 32.38 SANDI ROUSSEAU 50 33.11 IRENE DAVID 54 33.27 GINGER L PIERSON 52 33.29 F WILLIAMSON 50 33.80 B EDELMAIER 51 34.25 LYNN CARTEE 50 | <p>33.84 BOB MERRICK 77</p> <p>33.87 RICHARD AVERY 75</p> <p style="text-align: center;">MEN 80-84</p> <ul style="list-style-type: none"> • 200 YD INDIVIDUAL MEDLEY 3:16.31 ALDO V DA ROSA 80NV 3:54.74 BOB CHRISTIANS 82 3:58.06 ROBERT JOHNSTON 81 4:07.09 E DON MCCULLOUGH 82 4:12.69 RUSS WITTE 81 | <p>MARY A BERGEN 27</p> <p>KAREN SING 41</p> <p>LAURA J HAJOST 30</p> <p>SPM 1:42.82</p> <p>CATHY SHONKWILER 38</p> <p>DANICE K EATON 26</p> <p>TANYA N LANE 26</p> <p>ANDREA D NAUTA 38</p> <p>WCM 1:42.99</p> <p>R BRITTINGHAM 46</p> <p>KATHLEEN HARTNETT 26</p> <p>KATHY D WOEHRL 35</p> <p>MICHELLE GHIGGERI 29</p> <p>TOC 1:43.27</p> <p>DANIELL OGIER 45</p> <p>JOAN A SCHRIGER 33</p> <p>CORINNA D SEIBT 37</p> <p>SHARON K PATRICK 26</p> <p>VMST 1:44.91</p> <p>PAULA E JONES 29</p> <p>MOLLY DEAN 32</p> <p>MEREDITH POPE 28</p> <p>ALICE W PHILLIPS 32</p> <p>UT 1:45.98</p> <p>KIMBERLY SMITH 33</p> <p>LO D KNAPP 43</p> <p>LISA KUWAHARA 35</p> <p>ROBYNN MASTERS 39</p> <p>IM 1:46.05</p> <p>JENNIFER L RIDGE 29</p> <p>KERSTEN ANNEGERS 29</p> <p>TERESA R ZURICK 32</p> <p>STEPHANIE MULLINS 32</p> <p>USF MASTERS 1:46.53</p> <p>LORI DELUCA 26</p> <p>BECKY FENSON 30</p> <p>PAMELA FRANKLIN 29</p> <p>SARAH QUICK 34</p> <p>GRIN 1:46.92</p> <p>KATHERINE PINGER 25</p> <p>T CHILDRESS-BROWN 34</p> <p>E MALKEMUS 28</p> <p>LYNNE BIR 26</p> <p>200 YD MEDLEY R WOMEN 19+</p> <p>ARIZ 1:56.80</p> <p>KAREN ANDREWS 35</p> <p>PAULA J POLLARD 34</p> <p>DIANNE L WYGAL 32</p> <p>CARLA A ELDRIDGE 24</p> <p>MICH 1:58.84</p> <p>JULIE MOODY 29</p> <p>REBECCA FRAYNE 26</p> <p>LESLIE BLACKBURN 27</p> <p>JESSICA SANTO 24</p> <p>OREG 2:01.26</p> <p>LISA HJERPE 29</p> <p>JULIE AHRENDT 27</p> <p>KIMBERLY FAWCETT 26</p> <p>SUSAN FISCHER 20</p> <p>OJAI-SANTA BARB 2:02.38</p> <p>JANE CAIRNS 27</p> <p>WENKE HANSEN 28</p> <p>KATRINA CARSON 25</p> <p>CARA HARDT 23</p> <p>NEM 2:03.64</p> <p>REBECCA KUPCINSKA 24</p> <p>KARI S ANDERSON 26</p> <p>BARB B HANDLER 40</p> <p>WENDY S GULLEY 32</p> <p>IM 2:04.00</p> <p>HEATHER INGRAHAM 30</p> <p>JEAN M SMITH 31</p> <p>J GEMEINHARDT 24</p> <p>DOREEN M LEMKE 34</p> <p>GRIN 2:04.35</p> <p>EVA JOHNSON 19</p> |
| <p>WOMEN 30-34</p> <ul style="list-style-type: none"> • 50 YD BACKSTROKE 27.21 D GRANER-GALLAS 34 28.37 AIMEE V LEHR 30 28.48 DAWN M HEWITT 33 28.67 KATHRYN KIRMAYER 34 28.73 MARTIE MC KINNEY 32 28.81 A LUALLEN-SCHOLZ 32 28.90 JOAN A SCHRIGER 33 28.92 TRACIE A MOLL 34 29.41 E SARKAUSKAITE 30 30.12 MARIKA MCCUE 34 • 100 YD BACKSTROKE 57.62 AIMEE V LEHR 30 58.29 D GRANER-GALLAS 34 58.75 MARTIE MCKINNEY 33 1:00.90 DAWN HEWITT 33 1:01.71 A LUALLEN-SCHOLZ 32 1:02.02 E SARKAUSKAITE 30 1:03.25 KATHRYN KIRMAYER 34 1:03.30 JOAN A SCHRIGER 33 1:03.52 VICKY DAVIDSON 32 1:05.19 CHRISTINE VESS 33 | <p>MEN 45-49</p> <ul style="list-style-type: none"> • 50 YD FREESTYLE 22.90 LAWRENCE SHULMAN 48 23.12 JOEL M STAGER 45 23.15 TOM COFFEY 47 23.28 RANDY SIMONS 49 23.29 ROBERT PUELS 46 23.30 ROBERT WHITLEY 48 23.30 LEE MENCH 45 23.46 TOM WHATLEY 46 23.56 RICHARD PETERSON 46 23.62 EDWARD BELL 45 <p style="text-align: center;">MEN 50-54</p> <ul style="list-style-type: none"> • 50 YD BREASTSTROKE 28.00 ROBERT STRAND 52 28.26 DON MC KENZIE 50 30.39 DANIEL ROGACKI 50 30.49 JOHN ENTERLINE 51 30.57 SCOTT GUTHRIE 53 30.72 KENNETH FROST JR 53 30.80 G PAUL MENYHARTH 51 31.04 BOB CAHILL 51 31.06 JIM DRAGON 53 31.20 JR RACHOR 50 • 100 YD BREASTSTROKE 1:01.02 DON MC KENZIE 50 1:01.95 ROBERT STRAND 52 1:06.97 DANIEL ROGACKI 50 1:07.39 KENNETH FROST JR 53 1:07.80 WILLIAM ABBOTT 51 1:08.58 G PAUL MENYHARTH 51 1:09.06 SCOTT GUTHRIE 53 1:09.06 DENNIS SHIPPEY 52 1:09.20 CHRIS OSTROM 52 1:09.69 GEORGE B BROWN 50 | <p style="text-align: center;">WOMEN'S RELAYS</p> <p>200 YD FREE REL WOMEN 19+</p> <p>OLYMPIC CLUB 1:41.73</p> <p>SHARON PATRICK 26</p> <p>DANIELLE OGIER 45</p> <p>JOAN SCHRIGER 33</p> <p>JESSICA TONG 23</p> <p>MICH 1:43.50</p> <p>REBECCA FRAYNE 26</p> <p>LESLIE BLACKBURN 27</p> <p>JESSICA SANTO 24</p> <p>JULIE MOODY 29</p> <p>BAYLOR LONE STA 1:46.26</p> <p>ERICA QUAM 23</p> <p>JOANNA CAIN 30</p> <p>J SHERIDAN 34</p> <p>ANNA PROCIJUS 26</p> <p>ILLINOIS MASTER 1:46.60</p> <p>KATHLEEN PISULA 27</p> <p>NATALIE SEEL 20</p> <p>JENNIFER JACOBS 29</p> <p>JENNIFER RIDGE 29</p> <p>TEXAS AQUATICS 1:47.02</p> <p>C COLEMAN 31</p> <p>BONNIE TROTTER 22</p> <p>LINDA BUTLER 30</p> <p>J BRANNON 28</p> <p>STANFORD 1:47.61</p> <p>AIMEE LEHR 30</p> <p>MARTIE MCKINNEY 33</p> <p>EILEEN WALL 40</p> <p>ELIZABETH BAST 20</p> <p>GARDEN STATE MA 1:47.61</p> <p>M WUNDERLICH 24</p> <p>ANDI GRUMET 23</p> <p>BRIDGET COLL 28</p> <p>MICHELLE DAVIDSON 27</p> <p>IM 1:47.75</p> <p>J GEMEINHARDT 24</p> <p>KATHY A WEBSTER 29</p> <p>DOREEN M LEMKE 34</p> <p>JEAN M SMITH 31</p> <p>USF MASTERS 1:48.02</p> <p>L CLAVADETSCHER 27</p> <p>HOLLY SAWYER 24</p> <p>STACEY WEINTHALER 29</p> <p>JOANNA BELKIN 29</p> <p>MICH 1:48.81</p> <p>DAWN M HEWITT 33</p> <p>DANIELLE SALTON 20</p> <p>KRISTIN T FUSCO 30</p> <p>VICTORIA L WEBBER 23</p> <p>200 YD FREE REL WOMEN 25+</p> <p>RMM 1:40.85</p> <p>CHERYL LONGFELLOW 28</p> <p>TIFFANY A FORBES 31</p> <p>CHRISTY E LIPSON 28</p> <p>LAUREN WELTING 32</p> <p>SLUG 1:42.63</p> <p>HEIDI E HANNENIAN 27</p> | |
| <p>WOMEN 35-39</p> <ul style="list-style-type: none"> • 100 YD BUTTERFLY 57.99 K PIPES-NEILSEN 36 59.04 JILL S HERNANDEZ 37 1:01.85 CATHY SHONKWILER 38 1:02.12 ANDREA BLOCK 36 1:02.15 BETH O BAKER 37 1:02.58 CINDY WATTS 36 1:02.95 V SWANSON 36 1:03.76 TERRY NATALI 38 1:04.03 KATHY FRAZIER 37 1:04.07 LIZ BURCHETT 36 | <p>MEN 50-54</p> <p style="text-align: center;">MEN 70-74</p> <ul style="list-style-type: none"> • 1000 YD FREESTYLE 12:52.98 WILLIAM PHILLIPS 70NV 13:39.39 ROGER FRANKS 71 13:42.19 WIN B WILSON 71 14:04.28 FRANK PIEMME 73 14:35.31 ED KERSWILL 72 15:19.58 FRED W TRASK 70 15:37.33 W MORGAN BYERS 70 15:47.26 JOHN R DAILY 70 16:00.77 FARRELL DEVLIN 70 16:02.96 ROBERT BLAKE 73 <p style="text-align: center;">MEN 75-79</p> <ul style="list-style-type: none"> • 50 YD FREESTYLE 29.81 JOHN R FLORANCE 75 30.59 ANDREW HOLDEN 78 30.90 JURGEN SCHMIDT 75 31.76 RAYMOND F TAFT 78 32.41 HERB MCCAULEY 75 33.34 WILLIAM JOHNSTON 79 33.83 EDWARD BITNER 75 33.84 DON GREETHAM 76 | <p>WOMEN 45-49</p> <ul style="list-style-type: none"> • 100 YD BACKSTROKE 1:03.08 LAURA B VAL 46 1:04.69 NANCY-LEIG FISHER 46 1:07.14 EVELYN LYNCH 45 1:08.00 JOEL T FELDMAN 46 1:09.83 C STONESIFER 45 1:11.49 DENISE KIRWAN 46 1:12.43 BARB GUNDRED 46 1:12.83 CATHERINE KOHN 45 1:13.78 MARTI BETZ 48 1:14.10 BONNIE R JOHNSTON 46 • 200 YD BUTTERFLY 2:27.87 BARBARA DUNBAR 49 2:38.74 DENISE EVERITT 45 2:41.91 R BRITTINGHAM 46 2:45.06 CATHERINE QUILL 48 2:48.90 CHERYL FITZGERALD 45 3:03.00 LAURIE A FINKE 46 3:04.26 H CARLING-SMITH 47 3:06.58 SUZANNE RAGUE 47 3:07.58 CONNIE LINDSEY 46 3:07.70 CAROL REICHERT 46 | |

ERRATA FOR 1997/1998 TOP-TEN SHORT-COURSE YARDS

| | | | | | | | |
|---------------------------|---------|-------------------|---------|-------------------|---------|-------------------|---------|
| ANDREA PARENTEAU | 23 | DREW AROMANDO | 26 | RICHARD R CHANEY | 47 | BOB BOURASSA | 56 |
| DEBI STOUT | 24 | TRISTAN FORMON | 25 | LAWRENCE KIMBALL | 47 | NCMS | 1:47.34 |
| SUSAN PERKINS | 22 | RICHARD SLAWINSKI | 24 | LEONARD BROCKHAHN | 47 | ROLFFS PINKERTON | 59 |
| MARYLAND | 2:05.63 | ILLINOIS MASTER | 1:30.19 | GOLD COAST | 1:38.89 | JOHN D KORTHEUER | 67 |
| SUZIE FISCH | 29 | PETER JUJIRIS | 24 | JOEL BURNS | 51 | JERRY CLARK | 60 |
| JOANNE SONBERG | 23 | RYAN EBENS | 22 | PETER GALVICH | 47 | CLARKE MITCHELL | 65 |
| KRISTEN CORBETT | 32 | PLAMEN ALEXANDROV | 37 | PETER LONCTEAUX | 48 | GOLD COAST | 1:48.11 |
| RACHEL BERKOWITZ | 27 | PATRICK ELDER | 23 | JOHN SPIRE | 46 | DAVID MCINTYRE | 60 |
| IM | 2:05.95 | ARIZ | 1:30.84 | 200 YD FREE REL | MEN 55+ | ALAN RAPPERPORT | 64 |
| TERESA R ZURICK | 32 | STEPHEN S SO | 23 | TOC | 1:37.31 | RAY WELSH | 58 |
| PAULA BEAUMONT | 30 | TIM A TAYLOR | 36 | JAMES E ELDER | 55 | CAV CAVANAUGH | 62 |
| AMANDA BRAUN | 23 | SCOTT D SHAKE | 40 | CHARLES H RAVEN | 59 | GOST | 1:49.03 |
| DIANE MAROLDA | 27 | TROY DALBY | 29 | ED CAZALET | 55 | JOHN S PENN | 55 |
| GARDEN STATE MA | 2:06.96 | CY-FAIR CYCLONE | 1:31.30 | JAMES KRUEGER | 59 | JOHN MEDICI | 60 |
| JEANNE COON | 22 | GARY SCHATZ | 43 | GOST | 1:43.91 | SID HALL | 62 |
| M WUNDERLICH | 24 | MARK WORLEY | 21 | THOMAS J OLANDER | 56 | JOSEPH M LAMMERT | 58 |
| MICHELLE DAVIDSON | 27 | ALEX FULLER | 23 | YOSHI OYAKAWA | 64 | SDSM | 1:50.92 |
| ANDI GRUMET | 23 | J ARMSTRONG | 22 | DAN T WILLERT | 55 | DONALD HUBBARD | 70 |
| 200 YD MEDLEY R WOMEN 65+ | | SLUG | 1:31.33 | ORRIN NORDSTROM | 57 | RICK EVANS | 56 |
| O*H*I*O MASTERS | 2:57.64 | ERIC JONES | 44 | NEM | 1:46.52 | BILL EARLEY | 61 |
| PHILLIS J WILSON | 65 | STEVEN C BERGEN | 23 | MATT CHROSTOWSKI | 56 | DONALD BAKER | 67 |
| LILLY G KRON | 66 | ROBERT WHITLEY | 48 | THOMAS MANFREDI | 55 | VMST | 1:53.46 |
| BETTY J RUSS | 71 | BRIAN K JUDD | 30 | JOHN GORMLY | 57 | WARNER F BRUNDAGE | 55 |
| SYLVIA H HILL | 76 | MICH | 1:31.37 | BOB BOURASSA | 56 | RICHARD CHEADLE | 60 |
| MARYLAND | 3:07.47 | ANDREW BERGER | 33 | NCMS | 1:47.34 | EDWARD H GAULRAPP | 55 |
| SARAH ALLNUTT | 74 | ROBERT ANDERSON | 29 | ROLFFS PINKERTON | 59 | JACK SCHILTZ | 55 |
| JILL COLEMAN | 67 | TODD BRIGGS | 35 | JOHN D KORTHEUER | 67 | GRIN | 1:54.96 |
| C WILLIAMS | 73 | CHRIS ZOLTAK | 23 | JERRY CLARK | 60 | JERRY R MYERS | 60 |
| FRANCES HAYWOOD | 66 | VMST | 1:31.88 | CLARKE MITCHELL | 65 | RONALD N BEAMS | 60 |
| WCM | 3:15.97 | DAVE HOLLAND | 30 | GOLD COAST | 1:48.11 | MEL GOLDSTEIN | 59 |
| ELFRIEDE A ROGERS | 70 | ANDREW JOHNSON | 32 | DAVID MCINTYRE | 60 | GEORGE QUIGLEY | 57 |
| JAЕ HOWELL | 75 | JAMES D WOLFE | 29 | ALAN RAPPERPORT | 64 | USF MASTERS | 1:55.42 |
| JOAN E ALEXANDER | 66 | COREY J RIORDAN | 20 | RAY WELSH | 58 | DANIEL OSBORNE | 64 |
| JEAN D DURSTON | 83 | 200 YD FREE REL | MEN 45+ | CAV CAVANAUGH | 62 | C SAUNDERS | 59 |
| OJAI-SANTA BARB | 3:32.07 | RMM | 1:32.42 | GOST | 1:49.03 | ROBERT FEWSTER | 59 |
| MALCHIA OLSHAN | 67 | TODD A BRYAN | 47 | JOHN S PENN | 55 | JOE ILLICK | 63 |
| RUTH FARNHAM | 68 | WILLIAM ABBOTT | 51 | JOHN MEDICI | 60 | 200 YD FREE REL | MEN 65+ |
| ELEANOR BROWN | 72 | PAUL MC CORMICK | 51 | SID HALL | 62 | TOC | 1:56.75 |
| GRACE ALTUS | 74 | RICHARD ABRAHAMS | 53 | JOSEPH M LAMMERT | 58 | DONALD P HILL | 66 |
| MICH | 4:07.69 | TOC | 1:33.48 | SDSM | 1:50.92 | RALPH F PERRY | 71 |
| LOIS NOCHMAN | 73 | ROBERT STRAND | 52 | DONALD HUBBARD | 70 | FRANK R GRANNIS | 73 |
| EDITH GLUSAC | 79 | TIM A BIRNIE | 52 | RICK EVANS | 56 | PHILIP D CHAPMAN | 67 |
| MARY WILLIAMS | 66 | RANDY B WILLIAMS | 46 | BILL EARLEY | 61 | GAJA | 1:57.22 |
| GLORIA STOWE | 65 | MIKE B SHERRILL | 48 | DONALD BAKER | 67 | IRWIN STOLZ | 68 |
| IM | 4:27.93 | IM | 1:34.82 | SAN DIEGO SWIM | 1:52.56 | JACK MITCHELL | 71 |
| LOUISE DONOVAN | 80 | BRYAN J BATEMAN | 50 | BILL EARLEY | 61 | HERB MCCAULEY | 75 |
| RITA COSTELLO | 75 | JOHN FITZGERALD | 49 | JOHN GOODE | 64 | ELMER SCHNITZER | 69 |
| HANNELORE SNYDER | 67 | STEPHEN ALEXANDER | 45 | RICK EVANS | 56 | IM | 1:58.97 |
| LOIS MADSEN | 65 | GEORGE F WENDT | 50 | MIKE FRESHLEY | 57 | JOHN R MASTERS | 67 |
| MARYLAND | 4:37.38 | WCM | 1:35.32 | VMST | 1:53.46 | STEPHEN MULLINS | 65 |
| BETTY TAYLOR | 82 | CARY E KENT | 46 | WARNER F BRUNDAGE | 55 | FRED O LEHMAN | 67 |
| MARIAN BRENNAN | 66 | GENE E HART | 45 | RICHARD CHEADLE | 60 | WAYNE LEENGRAN | 67 |
| CAROL KNEPP | 72 | MAL JESTER | 49 | EDWARD H GAULRAPP | 55 | SAN DIEGO SWIM | 2:00.82 |
| BETSY ROGAN | 65 | STEVEN E HAUFLE | 45 | JACK SCHILTZ | 55 | DONALD BAKER | 66 |
| MEN'S RELAYS | | GRIN | 1:35.68 | GRIN | 1:54.96 | WILLIAM PHILLIPS | 70 |
| 200 YD FREE REL | MEN 19+ | TOM PERRIN | 47 | JERRY R MYERS | 60 | DONALD HUBBARD | 70 |
| GCMT | 1:28.37 | JOEL M STAGER | 45 | RONALD N BEAMS | 60 | KEN KIMBALL | 67 |
| DAVID C POORBAUGH | 26 | JIM FOX | 45 | MEL GOLDSTEIN | 59 | SPM | 2:06.76 |
| JEFF RIEGLER | 25 | CRAIG BAUER | 45 | GEORGE QUIGLEY | 57 | CHARLES KOHNKEN | 66 |
| JARED WALKENHORST | 23 | IAMA | 1:37.22 | 200 YD FREE REL | MEN 55+ | MIKE TORSNEY | 67 |
| CHRIS L BIRNBRICH | 34 | NICHOLAS GEARHART | 46 | TOC | 1:37.31 | THOMAS SMITH | 70 |
| USF MASTERS | 1:29.12 | ROGER D JORGENSEN | 50 | JAMES E ELDER | 55 | HAROLD FERRIS | 67 |
| JESSE STOVALL | 24 | STEVE SHIPPEY | 47 | CHARLES H RAVEN | 59 | GRIN | 2:07.12 |
| STEVEN SACADALES | 25 | JR ENTWISTLE | 45 | ED CAZALET | 55 | FRANCIS MCAREE | 67 |
| SEAN QUACKENBUSH | 27 | SNM | 1:37.68 | JAMES KRUEGER | 59 | RUSSELL L JUDD | 65 |
| CHRIS HARRIS | 24 | STEVEN P LINTZ | 47 | GOST | 1:43.91 | TIMOTHY A REIMAN | 65 |
| GOST | 1:29.87 | PATRICK L CLASS | 49 | THOMAS J OLANDER | 56 | ROBERT L RISLEY | 70 |
| ERIK L SCOLLON | 26 | DON MC KENZIE | 50 | YOSHI OYAKAWA | 64 | OJAI-SANTA BARB | 2:11.40 |
| J R ANDERSON | 26 | FRANS D NELSON | 55 | DAN T WILLERT | 55 | WOODY GAIR | 67 |
| J TODD RADEL | 25 | GARDEN STATE MA | 1:38.31 | ORRIN NORDSTROM | 57 | JACK SPRACKLIN | 68 |
| BOB W ARNOLD | 20 | PAUL COX | 46 | NEM | 1:46.52 | FRANK PIEMME | 73 |
| GARDEN STATE MA | 1:30.08 | EDWARD NESSEL | 52 | MATT CHROSTOWSKI | 56 | JURGEN SCHMIDT | 75 |
| BRANDON MUFFLEY | 23 | ARTHUR DEFFAA | 49 | THOMAS MANFREDI | 55 | FMM | 2:17.57 |
| | | BRAD GLENN | 49 | JOHN GORMLY | 57 | ELMER LUKE | 71 |
| | | MICH | 1:38.78 | | | RICHARD OLUFS | 73 |
| | | CHUCK A OLSON | 48 | | | ALAN MALONEY | 69 |

ERRATA FOR 1997/1998 TOP-TEN SHORT-COURSE YARDS

| | | | | | | | |
|-------------------|---------|-------------------|---------|-------------------|-----------|-------------------|-----------|
| PAUL HUTINGER | 73 | PETE LOCRIKCHIO | 28 | COLL HADDON | 32 | KERSTEN ANNEGERS | 29 |
| COLONIALS 1776 | 2:19.99 | ROBERT ANDERSON | 29 | JASON TIMMONS | 31 | J GEMEINHARDT | 24 |
| ROGER FRANKS | 71 | CHRIS ZOLTAK | 23 | DEWEY WYATT | 34 | DICK CLARKE | 29 |
| THOMAS FLYNN | 69 | ANDREW BERGER | 33 | ADAM M FERO | 25 | GREG GOOCH | 26 |
| WILLIAM MARINO | 70 | ILLINOIS MASTER | 1:41.59 | UT | 1:40.42 | ARIZ | 1:37.59 |
| JOHN EMANUEL | 73 | GREG GOOCH | 26 | ERIK CRANKSHAW | 25 | STEPHEN S SO | 23 |
| MICH | 2:20.35 | CHRIS LUTZ | 30 | MORI PAULSEN | 40 | DIANNE L WYGAL | 32 |
| JOHN REESE | 72 | SCOTT CARL | 26 | JOE A HUGHES | 26 | PAULA J POLLARD | 34 |
| JOHN ALT | 73 | CHRIS PERNIN | 24 | JON FROLICH | 25 | TROY DALBY | 29 |
| ELMER FROST | 75 | GOST | 1:41.65 | NEM | 1:40.53 | SLUG | 1:37.59 |
| DON KORTEN | 71 | ERIK L SCOLLON | 26 | CHRISTOPHE WOOD | 30 | BERT BERGEN | 31 |
| 200 YD FREE REL | MEN 65+ | J TODD RADEL | 25 | SCOTT VANKUILENBU | 33 | STEVEN C BERGEN | 23 |
| | | BOB W ARNOLD | 20 | MARK S GOLDMAN | 26 | MARY A BERGEN | 27 |
| | | J R ANDERSON | 26 | ROB S BERRY | 30 | KAREN SING | 41 |
| TOC | 1:56.75 | IM | 1:41.92 | 200 YD MEDLEY R | MEN 35+ | ARIZ | 1:39.39 |
| DONALD P HILL | 66 | DICK CLARKE | 29 | | | SCOTT D SHAKE | 40 |
| RALPH F PERRY | 71 | DAVID ACKERMAN | 32 | IM | 1:36.81 | GAIL STARING | 37 |
| FRANK R GRANNIS | 73 | BRIAN CUNNINGHAM | 25 | CHARLES G GROEN | 38 | CARLA A ELDRIDGE | 24 |
| PHILIP D CHAPMAN | 67 | KARL A STEINKE | 23 | PLAMEN ALEXANDROV | 37 | GREGORY DOZER | 40 |
| GAJA | 1:57.22 | MARYLAND | 1:42.04 | DAVE GIBSON | 37 | IM | 1:39.41 |
| IRWIN STOLZ | 68 | JERRY FRENTSOS | 32 | THOMAS MCCABE | 40 | DOREEN M LEMKE | 34 |
| JACK MITCHELL | 71 | CRAIG DEWING | 28 | RMM | 1:37.70 | JENNIFER L JACOBS | 29 |
| HERB MCCAULEY | 75 | JIM O'CONNOR | 44 | JAMES E LILLEY | 38 | FRED L SCHUSTER | 34 |
| ELMER SCHNITZER | 69 | MARK MANGOLD | 23 | HOLDEN J BANK | 38 | KARL A STEINKE | 23 |
| IM | 1:58.97 | RMM | 1:42.25 | RICHARD W HESS | 43 | GCMT | 1:40.42 |
| JOHN R MASTERS | 67 | MIKE S GONZALES | 31 | RICHARD ABRAHAMS | 53 | JEFF RIEGLER | 25 |
| STEPHEN MULLINS | 65 | GEORGE F MILLER | 33 | VMST | 1:39.88 | TIFFANY A MEYER | 29 |
| FRED O LEHMAN | 67 | DAVE M ROSS | 27 | DAVID B MALSBURY | 36 | CAREN L MACLEAN | 27 |
| WAYNE LEENGRAN | 67 | AARON MC CORMICK | 23 | MICHAEL J SLOWEY | 40 | JARED WALKENHORST | 23 |
| SAN DIEGO SWIM | 2:00.82 | GARDEN STATE MA | 1:43.36 | JOHN B TUDOR | 40 | MICH | 1:40.50 |
| DONALD BAKER | 66 | BRANDON MUFFLEY | 23 | LOUIS S TUDOR | 42 | PHIL MC CLURG | 26 |
| WILLIAM PHILLIPS | 70 | RICHARD SLAWINSKI | 24 | BLS | 1:40.29 | JILL MURANY | 24 |
| DONALD HUBBARD | 70 | WALTER BELL | 22 | JAY YARID | 35 | WENDY HUDSON | 21 |
| KEN KIMBALL | 67 | WARREN TOWNS | 32 | JIM CAPERS | 46 | MICHAEL GREEN | 34 |
| SPM | 2:06.76 | NIAG | 1:44.84 | BOBBY PATTEN | 35 | MVM | 1:41.00 |
| CHARLES KOHNKEN | 66 | ERIC W WINKKY | 29 | LAWRENCE ROWE | 35 | ALAN B LIU | 25 |
| MIKE TORSNEY | 67 | RICHARD VANBRUNT | 30 | DC AQUATICS CLU | 1:40.74 | DEBORAH TOPP | 28 |
| THOMAS SMITH | 70 | ERIC M CAPALUPO | 24 | ALAN F GODFREY | 40 | JULIA C DAVIS | 24 |
| HAROLD FERRIS | 67 | STEVEN P TOTHERO | 28 | DEAN PUTTERMAN | 35 | KIRK E KOZLOWSKI | 40 |
| GRIN | 2:07.12 | 200 YD MEDLEY R | MEN 25+ | PAUL FRENTSOS | 36 | MICH | 1:41.07 |
| FRANCIS MCAREE | 67 | ANCM | 1:34.49 | JOSE CUNNINGHAM | 41 | JESSICA SANTO | 24 |
| RUSSELL L JUDD | 65 | CLAY J BRITT | 37 | IM | 1:40.89 | T SOSNOWSKI | 26 |
| TIMOTHY A REIMAN | 65 | WALLY C DICKS | 35 | TIMOTHY P ROURKE | 43 | ERIKA MC KEE | 28 |
| ROBERT L RISLEY | 70 | JEFFREY H RODDIN | 29 | JOHN SULLIVAN | 37 | CHRIS ZOLTAK | 23 |
| OJAI-SANTA BARB | 2:11.40 | MICHAEL A FELL | 36 | JOHN PRATT | 35 | 200 YD FREE REL | MIXED 25+ |
| WOODY GAIR | 67 | GARDEN STATE MA | 1:37.43 | TED J SOLTYS | 37 | | |
| JACK SPRACKLIN | 68 | RICHARD TOOTHILL | 28 | TEAM TEXAS | 1:41.32 | SLUG | 1:31.80 |
| FRANK PIEMME | 73 | BENN DOYLE | 39 | JON SMILEY | 36 | FRANK E WATTLES | 27 |
| JURGEN SCHMIDT | 75 | CURTIS SAWIN | 26 | DAVID GUTHRIE | 37 | MARC V RINZLER | 27 |
| SPM | 2:14.51 | BILLY BARR | 34 | DAVID HAGUE | 44 | D GRANER-GALLAS | 34 |
| THOMAS E SMITH | 70 | SPM | 1:37.69 | M STINCHCOMBE | 41 | HEIDI E HANNENIAN | 27 |
| ROBERT D ATWOOD | 77 | WILLIAM L SPECHT | 40 | ARIZ | 1:41.48 | GRIN | 1:33.82 |
| MIKE J TORSNEY | 68 | ANDREW W EATON | 25 | SCOTT D SHAKE | 40 | COLL HADDON | 32 |
| HAROLD FERRIS | 67 | STUART A BARTON | 30 | GREGORY DOZER | 40 | LYNNE BIR | 26 |
| FMM | 2:17.57 | C MICHAEL HALFAST | 32 | JOHN T PIECUCH | 42 | T CHILDRESS-BROWN | 34 |
| ELMER LUKE | 71 | SLUG | 1:38.28 | PETER D NUNAN | 40 | ADAM M FERO | 25 |
| RICHARD OLUFS | 73 | MARC V RINZLER | 27 | TOC | 1:41.76 | IM | 1:34.82 |
| ALAN MALONEY | 69 | ROBERT WHITLEY | 48 | FRED FERROGGIARO | 44 | JENNIFER L RIDGE | 29 |
| PAUL HUTINGER | 73 | FRANK E WATTLES | 27 | DAVID LUNDBERG | 37 | BECKY E HELLER | 34 |
| COLONIALS 1776 | 2:19.99 | BRIAN K JUDD | 30 | STUART E CORLISS | 42 | BOB YOUNG | 33 |
| ROGER FRANKS | 71 | DC AQUATICS CLU | 1:38.65 | MIKE KECK | 38 | SCOTT A CARL | 26 |
| THOMAS FLYNN | 69 | COREY CARLISLE | 26 | WEST HOLLYWOOD | 1:43.08 | SPM | 1:34.83 |
| WILLIAM MARINO | 70 | MATTHEW KINNEY | 27 | JAMES T BALLARD | 40 | ANDREW W EATON | 25 |
| JOHN EMANUEL | 73 | NEILL WILLIAMS | 29 | MIKE MERE | 39 | DANICE K EATON | 26 |
| 200 YD MEDLEY R | MEN 19+ | MICHAEL S BRAY | 30 | KURT S SMITH | 37 | ANDREA D NAUTA | 38 |
| | | IM | 1:39.27 | GARY H QUINN | 39 | C MICHAEL HALFAST | 32 |
| SLUG | 1:37.56 | GREG GOOCH | 26 | MIXED RELAYS | | WCM | 1:35.33 |
| DEREK P ROBINSON | 28 | DAVID J BROWN | 31 | | | MICHELLE GHIGGERI | 29 |
| STEVEN C BERGEN | 23 | SCOTT A CARL | 26 | 200 YD FREE REL | MIXED 19+ | KATHLEEN HARTNETT | 26 |
| MICHAEL HEATHER | 44 | BOB YOUNG | 33 | | | STEPHEN A STAHL | 33 |
| BERT BERGEN | 31 | ATLANTA RAINBOW | 1:39.91 | GARDEN STATE MA | 1:35.67 | GREG A REMMERT | 35 |
| GCMT | 1:41.02 | MARK KAISER | 33 | LEE NESSEL | 22 | TOC | 1:35.71 |
| CHRIS L BIRNBRICH | 34 | JACK MAC KENROTH | 28 | M WUNDERLICH | 24 | JAMIE T PATRICK | 27 |
| JARED WALKENHORST | 23 | JOHN O'KEEFE | 30 | DREW AROMANDO | 26 | MIKE KECK | 38 |
| JEFF RIEGLER | 25 | LORENZO BENUCCI | 29 | WALTER BELL | 22 | JOAN A SCHRIGER | 33 |
| DAVID C POORBAUGH | 26 | GRIN | 1:40.07 | IM | 1:37.30 | SHARON K PATRICK | 26 |
| MICH | 1:41.48 | | | | | UT | 1:36.14 |

ERRATA FOR 1997/1998 TOP-TEN SHORT-COURSE YARDS

JOE A HUGHES 26
 ROBYNN MASTERS 39
 KIMBERLY SMITH 33
 ERIK CRANKSHAW 25
 OJAI-SANTA BARB 1:36.42
 BILL KUHN 32
 WENKE HANSEN 28
 JANE CAIRNS 27
 BRIAN ALDERMAN 29
 GARDEN STATE MA 1:36.48
 LORNA CIALDELLA 33
 BRIDGET COLL 28
 ED TSUZUKI 39
 GERALD OMARA 28
 VMST 1:36.51
 JOHN B TUDOR 40
 MEREDITH POPE 28
 JAMES D WOLFLE 29
 ALICE W PHILLIPS 32

200 YD FREE REL MIXED 55+

SDSM 1:56.93
 MIKE FRESHLEY 57
 BETSY JORDAN 61
 LYNNE LUND 57
 BILL EARLEY 61
 GRIN 2:01.19
 JERRY R MYERS 60
 ALAN SOMERS 56
 MARGIE HEINEMAN 60
 SUSAN MEYERS 56
 NCMS 2:02.14
 JOHN MURPHY 73
 SALLY NEWELL 60
 BARBARA R SEATON 60
 ROLFFS PINKERTON 59
 VMST 2:03.99
 ROSALYN SCHANZER 55
 JOHN R MCGILL 62
 JACK SCHILTZ 55
 JOHNNIE DETRICK 62
 ARIZ 2:07.69
 RONALD L JOHNSON 66
 GORDON H GILLIN 67
 SALLY A BOLAR 58
 CAROL P TAYLOR 68
 MARYLAND 2:07.85
 CARL CHRRISTENSEN 60
 JOAN LIBBY 56
 NANCY BROWN 62
 TED MURRAY 57
 SPM 2:07.99
 THOMAS E SMITH 70
 FLORENCE E CARR 72
 JAYNE M LAMBKE 58
 HAROLD FERRIS 67
 IM 2:11.46
 NANCY MURPHY 55
 DIANNE SHERWOOD 57
 DICK SPURGIN 67
 DIETER H KULICKE 57
 GOLD COAST 2:12.34
 RAY WELSH 58
 JUNE KRAUSER 71
 ANNE MCGUIRE 63
 WILLIAM DOLAN 69
 MICH 2:13.06
 ALBERT A MORLEY 60
 JOYCE KOWALSKI 56
 BEVERLY J MYERS 62
 PAUL A CHAFFEE 55

200 YD FREE REL MIXED 65+

OH 2:18.95
 BETTY J RUSS 71
 LILLY G KRON 66

JOHN DAILY 70
 PETER VAN DIJK 69
 NEM 2:20.86
 TED HAARTZ 70
 PETEY SMITH 73
 BILLIE BURRILL 77
 WIN B WILSON 71
 MARYLAND 2:25.98
 KEN POLLOCK 65
 BILL RODGERS 65
 LESLEY FRANCIS 66
 FRANCES HAYWOOD 66
 SPM 2:34.50
 KAY SCHIMPF 80
 CHARLES KOHNKEN 66
 FLORENCE CARR 72
 THOMAS SMITH 70
 IM 2:35.70
 CLARA E SOTAK 73
 HANNELORE SNYDER 67
 FRED O LEHMAN 67
 WAYNE LEENGRAN 67

SPCO 2:36.87
 BUNNY CEDERLUND 76
 RICHARD ROBECKI 68
 ANGIE SINACORE 67
 PHIL LINDSLEY 65
 GARDEN STATE MA 2:36.97
 DORIS STEADMAN 73
 JULIA DOLCE 88
 PAUL KIELL 67
 AARON KURTZMAN 68
 OJAI-SANTA BARB 2:37.06
 WOODY GAIR 67
 JACK SPRACKLIN 68
 MALCHIA OLSHAN 67
 DARLENE RAND 69
 SAN DIEGO SWIM 2:37.12
 DIANA SILVA 75
 EDGAR LASSINS 78
 ANN DALLAM 67
 KEN KIMBALL 67
 MARYLAND 2:37.75
 A EREMCHUK 72
 SARAH ALLNUTT 74
 C WILLIAMS 73
 JAMES GRONSETH 71

200 YD MEDLEY R MIXED 45+

IM 1:53.12
 JOHN FITZGERALD 49
 CLAY A KOLAR 49
 C STONESIFER 45
 CYNTHIA JONES 48
 NEM 1:56.01
 JOEL T FELDMAN 46
 ROBERT SELTZER 47
 FRED J SCHLICHER 49
 CONSTANCE SASSER 51
 SNM 1:56.80
 FRANS D NELSON 55
 DON MC KENZIE 50
 SUSAN A TYLER 49
 CELESTE MILLER 48
 GRIN 1:56.87
 BOB THOMAS 45
 SALLY HASBROOK 49
 TOM PERRIN 47
 SHARON WISE 51
 MICH 1:59.24
 EVELYN LYNCH 45
 STEVE HANSEN 46
 SHERRY L PUTHOFF 50
 CHUCK A OLSON 48
 MARYLAND 1:59.36
 MARTI BETZ 48
 CHRIS OSTROM 52

JACK ILIFF 53
 SUSAN MARINZEL 45
 DCM 2:00.75
 DENISE KIRWAN 46
 JOANN LEILICH 59
 LARRY R SLOAN 50
 PAUL GRUENEBERGER 51
 ARIZ 2:02.42
 JONELLE G SCHMIDT 47
 RALPH S BOVARD 45
 JACK SALVATORE 47
 JUDY L GILLIES 50
 RMM 2:02.61
 YVONNE L WRIGHT 45
 WILLIAM ABBOTT 51
 RICHARD ABRAHAMS 53
 CAROLYN M ROCHE 47
 SLAM 2:03.12
 CATHERINE KOHN 45
 HOWARD M HARRIS 53
 DOUGLAS K MILLER 51
 ARDETH R MUELLER 56

FINA MASTERS WORLD RECORDS LONG COURSE METERS (as of 11-1-98)

| ***** 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 | CHARLOTTE MUSTARD | GBR | 06-24-96 1:15.31 |
| 2:26.01 | 03-08-98 | JPN | EITA TSUMURA | 200 M. | BRST | SHARRON DAVIES | GBR | - -90 2:42.02 |
| 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 | M. MOHMANN | GBR | - -88 34.56 |
| 1:05.64 | 08-23-98 | USA | SETH VAN NEERDEN | 100 M. | BRST | M. MOHMANN | GBR | - -88 1:14.52 |
| 2:24.06 | 08-18-91 | USA | DAVID LUNDBERG | 200 M. | BRST | HIDEKA KOSHIMIZU | JPN | 07-16-95 2:46.81 |
| 25.31 | 10-15-88 | USA | MIKE BOTTOM | 50 M. | FLY | TRACIE MOLL | USA | 08-18-97 29.07 |
| 56.64 | 10-15-88 | USA | MIKE BOTTOM | 100 M. | FLY | PASCALE VERBAUWEN | BEL | 06-25-96 1:04.80 |
| 2:03.85 | 08-04-95 | USA | BOBBY PATTEN | 200 M. | FLY | K PIPES-NEILSEN | USA | 08-11-96 2:20.12 |
| | | | | 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 | 08-23-98 26.75 |
| 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 |
| 28.04 | 08-26-78 | USA | THOMPSON MANN | 50 M. | BACK | PASCALE VERBAUWEN | BEL | 08-09-98 31.71 |
| 1:00.95 | 08-22-93 | USA | WILLIAM SPECHT | 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 | L WETZEL-OSBORNE | USA | 08-20-90 1:17.44 |
| 2:24.37 | 08-04-95 | USA | DAVID GUTHRIE | 200 M. | BRST | DAGMAR HILBIG | GER | 04-28-96 2:50.66 |
| 25.93 | 08-01-93 | USA | MICHAEL BOTTOM | 50 M. | FLY | TRACIE MOLL | USA | 08-23-98 28.77 |
| 56.60 | 06-25-96 | USA | JEFF STUART | 100 M. | FLY | TRACIE MOLL | USA | 08-23-98 1:03.93 |
| 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 |
| 2:01.16 | 07-30-95 | USA | HESS YNTEMA | 200 M. | FREE | LAURA VAL | USA | 07-09-94 2:14.97 |
| 4:20.37 | 08-11-96 | USA | HESS YNTEMA | 400 M. | FREE | S HEIM-BOWEN | USA | 08-23-98 4:42.71 |
| 8:57.66 | 07-30-95 | USA | HESS YNTEMA | 800 M. | FREE | S HEIM-BOWEN | USA | 08-23-98 9:37.13 |
| 16:58.52 | 07-30-95 | USA | HESS YNTEMA | 1500 M. | FREE | S HEIM-BOWEN | USA | 08-23-98 18:14.34 |
| 28.90 | 08-23-98 | USA | WILLIAM SPECHT | 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 |
| 2:16.40 | 08-23-98 | USA | WILLIAM SPECHT | 200 M. | BACK | B BAZUREAU | FRA | 03-27-94 2:36.89 |
| 30.56 | 06-22-98 | SWE | GLEN CHRISTIANSEN | 50 M. | BRST | DAGMAR HILBIG | GER | 06-22-98 35.71 |
| 1:08.97 | 08-23-98 | USA | RON SCHAFFER | 100 M. | BRST | DAGMAR HILBIG | GER | 06-21-98 1:18.34 |
| 2:29.77 | 08-23-98 | USA | RON SCHAFFER | 200 M. | BRST | DAGMAR HILBIG | GER | 06-20-98 2:51.96 |
| 26.33 | 08-23-98 | USA | WILLIAM SPECHT | 50 M. | FLY | LAURA VAL | USA | 07-09-94 29.89 |
| 58.13 | 08-23-98 | 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 | LAURA VAL | USA | 07-30-95 2:32.59 |
| | | | | 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 11-1-98)

| ***** M E N ***** | | | 45-49 ***** | | | ***** W O M E N ***** | | |
|-------------------|----------|-----|-------------------|------|---------|-----------------------|-----|-------------------|
| 25.18 | 07-09-94 | RSA | TERRY DOWNES | 50 | M. FREE | JACKI HIRSTY | USA | 08-23-98 28.30 |
| 55.66 | 07-09-94 | RSA | TERRY DOWNES | 100 | M. FREE | LAURA VAL | USA | 05-20-96 1:02.42 |
| 2:03.71 | 05-19-96 | USA | TIM BRODERICK | 200 | M. FREE | LAURA VAL | USA | 08-23-98 2:17.12 |
| 4:24.37 | 07-28-96 | USA | TIM BRODERICK | 400 | M. FREE | LAURA VAL | USA | 08-10-97 4:56.06 |
| 9:13.29 | 08-23-98 | USA | TODD BRYAN | 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 |
| 30.30 | 08-25-96 | USA | RICHARD BOBER | 50 | M. BACK | LAURA VAL | USA | 07-27-97 32.93 |
| 1:04.69 | 06-24-98 | GBR | EDDIE RIACH | 100 | M. BACK | LAURA VAL | USA | 07-27-97 1:12.70 |
| 2:22.45 | 06-22-98 | GBR | EDDIE RIACH | 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 |
| 1:12.38 | 03-28-97 | RSA | TIMOTHY SHEAD | 100 | M. BRST | SUSAN ROY | USA | 05-29-94 1:22.27 |
| 2:41.02 | 07-09-94 | GER | GERHARD PREINER | 200 | M. BRST | ULRIKE URBANIAK | GER | 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 | ARDETH MUELLER | USA | 08-22-93 2:29.22 |
| 4:32.51 | 08-23-98 | USA | R TOD SPIEKER | 400 | M. FREE | DIANNE FOSTER | CAN | 03-01-98 5:12.02 |
| 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 | ARDETH MUELLER | USA | 07-28-91 21:02.46 |
| 30.63 | 07-06-97 | USA | HUGH WILDER | 50 | M. BACK | SATOKO TAKEUJI | JPN | 09-15-92 34.87 |
| 1:07.16 | 07-06-97 | USA | HUGH WILDER | 100 | M. BACK | SATOKO TAKEUJI | JPN | 07-16-95 1:18.86 |
| 2:27.01 | 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 | SHIRLEY TURNER | RSA | 03-07-98 3:09.79 |
| 27.13 | 08-23-98 | USA | RICHARD ABRAHAMS | 50 | M. FLY | ARDETH MUELLER | USA | 08-22-93 31.69 |
| 1:02.94 | 06-29-97 | USA | BOO GRANER-GALLAS | 100 | M. FLY | ARDETH MUELLER | USA | 08-22-93 1:13.86 |
| 2:26.17 | 06-29-97 | USA | BOO GRANER-GALLAS | 200 | M. FLY | ARDETH MUELLER | USA | 08-18-91 2:49.53 |
| | | | | 100 | M. I.M. | | | |
| 2:28.70 | 08-22-93 | USA | TIMOTHY GARTON | 200 | M. I.M. | BRIGITTE MERTEN | GER | 06-24-96 2:52.11 |
| 5:20.78 | 06-22-96 | USA | JOHN CALVERT | 400 | M. I.M. | ARDETH MUELLER | USA | 07-05-92 6:12.08 |
| ***** M E N ***** | | | 55-59 ***** | | | ***** W O M E N ***** | | |
| 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 GALLETLY | 400 | M. FREE | ARDETH MUELLER | USA | 07-19-97 5:25.59 |
| 10:03.22 | 06-25-98 | GBR | SANDY GALLETLY | 800 | M. FREE | ARDETH MUELLER | USA | 08-10-97 11:15.07 |
| 19:09.48 | 06-08-97 | GBR | SANDY GALLETLY | 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 |
| 1:11.39 | 08-23-98 | USA | RICHARD BURNS | 100 | M. BACK | SATOKO TAKEUJI | JPN | 07-21-97 1:19.65 |
| 2:37.16 | 09-03-94 | NZL | BARRY YOUNG | 200 | M. BACK | SATOKO TAKEUJI | JPN | 07-21-97 2:56.13 |
| 33.03 | 07-18-93 | JPN | HIROSHI KOTEGAWA | 50 | M. BRST | MONIKA SENFTLEBEN | GER | 01-10-98 39.43 |
| 1:17.87 | 08-28-88 | USA | JOHN KORTHEUER | 100 | M. BRST | HANNELORE ROESE | GER | 06-21-98 1:29.26 |
| 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 | GAIL ROPER | USA | 08-20-85 35.29 |
| 1:06.88 | 08-23-98 | USA | ROBERT POILETMAN | 100 | M. FLY | ARDETH MUELLER | USA | 08-10-97 1:21.91 |
| 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 | JAYNE BRUNER | USA | 08-28-94 33.11 |
| 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 | LAVELLE STOINOFF | USA | 07-11-93 2:43.83 |
| 5:04.56 | 07-30-95 | USA | GRAHAM JOHNSTON | 400 | M. FREE | YOSHIKO OSAKI | JPN | 07-20-98 5:46.79 |
| 10:34.02 | 07-30-95 | USA | GRAHAM JOHNSTON | 800 | M. FREE | LAVELLE STOINOFF | USA | 05-29-94 12:01.79 |
| 20:04.73 | 07-30-95 | USA | GRAHAM JOHNSTON | 1500 | M. FREE | LAVELLE STOINOFF | USA | 05-28-95 22:50.81 |
| 33.13 | 08-28-94 | USA | YOSHI OYAKAWA | 50 | M. BACK | BETSY JORDAN | USA | 06-29-97 38.76 |
| 1:14.72 | 08-28-94 | USA | YOSHI OYAKAWA | 100 | M. BACK | BETSY JORDAN | USA | 06-29-97 1:24.45 |
| 2:45.93 | 08-22-93 | USA | DONALD BROWN | 200 | M. BACK | BETSY JORDAN | USA | 06-29-97 3:06.23 |
| 34.59 | 09-24-95 | JPN | AKIO SUGIYAMA | 50 | M. BRST | JAYNE BRUNER | USA | 08-23-98 41.43 |
| 1:20.56 | 06-24-96 | GBR | THOMAS WALKER | 100 | M. BRST | JAYNE BRUNER | USA | 08-25-96 1:34.12 |
| 2:58.37 | 06-23-96 | GBR | THOMAS WALKER | 200 | M. BRST | MASAYO AZUMA | JPN | 09-29-96 3:24.38 |
| 30.35 | 07-30-95 | USA | BOB BAILIE | 50 | M. FLY | 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 |
| 2:56.96 | 04-21-97 | BRA | LUIS RICARDO SIMI | 200 | M. FLY | FLORA CONNOLLY | GBR | 06-05-94 3:26.76 |
| | | | | 100 | M. I.M. | | | |
| 2:46.41 | 08-14-98 | USA | JEFF FARRELL | 200 | M. I.M. | YOSHIKO OSAKI | JPN | 09-27-98 3:07.19 |
| 6:04.99 | 08-18-91 | USA | GRAHAM JOHNSTON | 400 | M. I.M. | FLORA CONNOLLY | GBR | 07-09-94 6:57.33 |

FINA MASTERS WORLD RECORDS LONG COURSE METERS (as of 11-1-98)

| ***** 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 |
| 35.13 | 07-20-98 | JPN | S. SEKIKAWA | 50 M. | BACK | CLARA WALKER | USA | 08-23-92 | 39.85 |
| 1:17.68 | 08-23-98 | USA | YOSHI OYANAWA | 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 | A LEENE-RODAHL | NZL | 06-21-98 | 1:39.51 |
| 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 |
| 1:16.85 | 08-14-98 | 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 | CLARA WALKER | USA | 08-11-96 | 36.13 |
| 1:10.16 | 08-13-95 | USA | FRANK PIEMME | 100 M. | FREE | CLARA WALKER | USA | 08-11-96 | 1:21.57 |
| 2:37.00 | 06-23-98 | USA | WILLIAM PHILLIPS | 200 M. | FREE | CLARA WALKER | USA | 08-10-96 | 3:04.56 |
| 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 | 06-22-98 | 45.11 |
| 1:31.05 | 08-25-96 | GER | ROBERT PFERSDORFT | 100 M. | BRST | EDITH BOEHM | GER | 06-21-98 | 1:44.09 |
| 3:26.27 | 06-23-96 | GER | KARL-HEINZ KNOPS | 200 M. | BRST | ERIKA LANGE | GER | 06-20-98 | 3:56.03 |
| 33.79 | 06-22-96 | USA | FRANK PIEMME | 50 M. | FLY | JUNE KRAUSER | USA | 06-08-96 | 43.62 |
| 1:24.84 | 06-25-96 | USA | JOSEPH KURTZMAN | 100 M. | FLY | JUNE KRAUSER | USA | 06-25-96 | 1:40.85 |
| 3:22.01 | 09-04-97 | GER | VALENTIN WEBER | 200 M. | FLY | JUNE KRAUSER | USA | 06-27-96 | 3:39.91 |
| | | | | 100 M. | I.M. | | | | |
| 3:06.43 | 06-24-96 | ESP | JESUS DOMINGUEZ | 200 M. | I.M. | JUNE KRAUSER | USA | 06-08-96 | 3:33.75 |
| 6:52.07 | 07-22-95 | USA | FRANK PIEMME | 400 M. | I.M. | JUNE KRAUSER | USA | 06-22-96 | 7:30.91 |
| ***** M E N ***** | | | ***** 75-79 ***** | | | ***** W O M E N ***** | | | |
| 32.07 | 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 | WILLY VAN RYSEL | GBR | - -91 | 46.64 |
| 1:26.00 | 07-20-98 | JPN | KEIJIRO NAKAMURA | 100 M. | BACK | BUNNY CEDERLUND | USA | 08-18-97 | 1:46.70 |
| 3:10.64 | 09-27-98 | JPN | KEIJIRO NAKAMURA | 200 M. | BACK | J DRAKE-BROCKMAN | AUS | 06-25-96 | 3:57.14 |
| 42.58 | - -90 | JPN | HIROMU YOSHIMOTO | 50 M. | BRST | REGAN KENNER | USA | 08-23-98 | 52.03 |
| 1:37.55 | 09-05-93 | ITA | AUGUSTO ROMANO | 100 M. | BRST | REGAN KENNER | USA | 08-23-98 | 1:58.81 |
| 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 | CATHERINE KERR | CAN | 06-22-96 | 53.84 |
| 1:39.80 | 07-05-92 | USA | ANTON CERER | 100 M. | FLY | KAY SCHIMPF | USA | 08-30-92 | 2:19.44 |
| 3:43.56 | 07-05-92 | USA | ANTON CERER | 200 M. | FLY | MAXINE MERLINO | USA | 05-28-88 | 4:54.79 |
| | | | | 100 M. | I.M. | | | | |
| 3:24.38 | 11-13-94 | USA | RAY TAFT | 200 M. | I.M. | CATHERINE KERR | CAN | 05-18-96 | 4:12.90 |
| 7:21.75 | 05-28-95 | USA | RAY TAFT | 400 M. | I.M. | MAXINE MERLINO | USA | 08-09-87 | 9:11.23 |
| ***** M E N ***** | | | ***** 80-84 ***** | | | ***** W O M E N ***** | | | |
| 33.88 | 08-08-93 | USA | WOODROW BOWERSOCK | 50 M. | FREE | HATSUHO SUGAYA | JPN | 09-25-94 | 41.31 |
| 1:19.28 | 07-16-95 | JPN | HIKOJI UEKI | 100 M. | FREE | UME WADA | JPN | - -91 | 1:39.30 |
| 3:03.45 | 07-16-95 | JPN | HIKOJI UEKI | 200 M. | FREE | UME WADA | JPN | - -92 | 3:44.00 |
| 6:40.63 | 07-16-95 | JPN | HIKOJI UEKI | 400 M. | FREE | MARJORIE SHARPE | USA | 10-11-97 | 7:56.31 |
| 13:50.05 | 07-09-94 | CAN | NORBERT ARTUS | 800 M. | FREE | RITA SIMONTON | USA | 08-15-98 | 16:05.85 |
| 28:13.09 | 07-26-98 | USA | ALDO DA ROSA | 1500 M. | FREE | RITA SIMONTON | USA | 07-11-98 | 30:54.56 |
| 40.71 | 09-27-98 | JPN | SHOICHI SAKOMOTO | 50 M. | BACK | MYRTLE WRIGHT | AUS | - -89 | 53.73 |
| 1:36.95 | 09-27-98 | JPN | GORO KOBAYASHI | 100 M. | BACK | EDITH THEIN | ISR | 08-23-98 | 2:00.39 |
| 3:42.35 | 06-22-98 | JPN | GORO KOBAYASHI | 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 |
| 3:55.37 | 05-01-98 | ITA | AUGUSTO ROMANO | 200 M. | BRST | DOROTHY WESTON | GBR | 06-06-93 | 5:01.36 |
| 42.22 | 07-20-98 | JPN | Y MIYAMOTO | 50 M. | FLY | MARIA LENK | BRA | 04-23-95 | 1:01.41 |
| 1:52.37 | 06-25-96 | USA | ANTON CERER | 100 M. | FLY | JEAN DURSTON | USA | 07-31-94 | 2:27.91 |
| 4:11.09 | 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 |
| 8:10.67 | 07-27-97 | USA | ALDO DA ROSA | 400 M. | I.M. | MAXINE MERLINO | USA | 08-23-92 | 10:05.13 |

FINA MASTERS WORLD RECORDS LONG COURSE METERS (as of 11-1-98)

| ***** 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 |
| 1:33.49 | 08-11-98 | USA | WOODROW BOWERSOCK | 100 M. FREE | UME WADA | JPN | 07-21-97 | 2:00.66 |
| 3:48.91 | 10-01-88 | USA | GUS LANGNER | 200 M. FREE | UME WADA | JPN | 12-01-96 | 4:26.52 |
| 8:14.50 | 08-28-88 | USA | GUS LANGNER | 400 M. FREE | UME WADA | JPN | 06-08-97 | 9:31.21 |
| 17:11.21 | 10-15-88 | USA | GUS LANGNER | 800 M. FREE | MAXINE MERLINO | USA | 08-10-97 | 20:11.43 |
| 33:08.42 | 08-20-89 | USA | GUS LANGNER | 1500 M. FREE | MAXINE MERLINO | USA | 08-10-97 | 38:20.39 |
| 47.70 | 10-25-97 | GER | R REINSTADTLER | 50 M. BACK | AILEEN SOULE | USA | 08-18-91 | 58.42 |
| 1:53.67 | 09-03-97 | GER | R REINSTADTLER | 100 M. BACK | AILEEN SOULE | USA | 06-09-91 | 2:13.13 |
| 4:12.45 | 04-26-97 | GER | R REINSTADTLER | 200 M. BACK | AILEEN SOULE | USA | 06-09-91 | 4:47.82 |
| 51.52 | 08-27-95 | GER | KARL WITTENBERG | 50 M. BRST | MARTI GOGNIAT | USA | 07-27-96 | 1:09.85 |
| 2:10.64 | 07-21-97 | JPN | MITSUO SHIMO | 100 M. BRST | DOROTHY WESTON | GBR | 04-19-98 | 2:34.97 |
| 4:36.86 | 07-28-96 | USA | HAROLD PERRY | 200 M. BRST | EMMI PAULI | GER | 03-29-98 | 5:36.62 |
| 57.93 | 08-27-95 | USA | JESSE COON | 50 M. FLY | MAXINE MERLINO | USA | 07-26-97 | 1:13.84 |
| 2:30.73 | 06-25-96 | USA | JESSE COON | 100 M. FLY | DOROTHY WESTON | GBR | 04-19-98 | 2:45.28 |
| 5:24.28 | 05-07-93 | AUS | FRANK GRIFFITHS | 200 M. FLY | MAXINE MERLINO | USA | 08-09-98 | 6:35.26 |
| | | | | 100 M. I.M. | | | | |
| 4:40.15 | 05-07-93 | AUS | FRANK GRIFFITHS | 200 M. I.M. | MAXINE MERLINO | USA | 08-10-97 | 5:27.56 |
| 10:28.43 | 03-25-94 | AUS | FRANK GRIFFITHS | 400 M. I.M. | MAXINE MERLINO | USA | 07-26-97 | 11:21.06 |
| ***** M E N ***** | | | | 90-94 | ***** W O M E N ***** | | | |
| 48.70 | 08-08-93 | USA | GUS LANGNER | 50 M. FREE | AILEEN SOULE | USA | 08-25-96 | 55.76 |
| 1:57.91 | 08-22-93 | USA | GUS LANGNER | 100 M. FREE | AILEEN SOULE | USA | 08-25-96 | 2:19.62 |
| 4:28.34 | 08-22-93 | USA | GUS LANGNER | 200 M. FREE | AILEEN SOULE | USA | 08-25-96 | 5:21.55 |
| 9:40.04 | 03-27-97 | AUS | ALFREDO CHERCHI | 400 M. FREE | AILEEN SOULE | USA | 08-16-97 | 11:45.66 |
| 20:13.74 | 08-01-93 | USA | GUS LANGNER | 800 M. FREE | ANNA BAUSCHER | USA | 08-28-94 | 30:55.09 |
| 36:47.02 | 08-22-93 | USA | GUS LANGNER | 1500 M. FREE | | | | |
| 1:03.20 | 07-26-98 | USA | JIM PENFIELD | 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 |
| 1:09.65 | 08-29-98 | GER | HANS PAUL | 50 M. BRST | YOSHI KUCHIBA | JPN | 09-27-98 | 1:35.23 |
| 2:39.02 | 08-28-98 | GER | HANS PAUL | 100 M. BRST | DEL ROWLEY | AUS | 03-03-96 | 5:06.09 |
| 6:24.54 | 08-01-93 | USA | GUS LANGNER | 200 M. BRST | DEL ROWLEY | AUS | 10-22-95 | 10:39.50 |
| 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 ***** | | | |
| 56.51 | 08-23-98 | 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 | | | | |
| | | | | 1500 M. FREE | | | | |
| | | | | 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 | | | | |
| | | | | 100 M. BRST | | | | |
| | | | | 200 M. BRST | | | | |
| | | | | 50 M. FLY | | | | |
| | | | | 100 M. FLY | | | | |
| | | | | 200 M. FLY | | | | |
| | | | | 100 M. I.M. | | | | |
| | | | | 200 M. I.M. | | | | |
| | | | | 400 M. I.M. | | | | |
| ***** M E N ***** | | | | 100-104 | ***** W O M E N ***** | | | |
| 2:05.49 | 09-18-94 | USA | TOM LANE | 50 M. FREE | MARY MAINA | AUS | 10-03-94 | 5:10.84 |
| 4:25.98 | 09-10-95 | USA | TOM LANE | 100 M. FREE | | | | |
| | | | | 200 M. FREE | | | | |
| | | | | 400 M. FREE | | | | |
| | | | | 800 M. FREE | | | | |
| | | | | 1500 M. FREE | | | | |
| 2:05.54 | 09-10-95 | USA | TOM LANE | 50 M. BACK | | | | |
| 4:57.01 | 09-18-94 | USA | TOM LANE | 100 M. BACK | | | | |
| | | | | 200 M. BACK | | | | |
| | | | | 50 M. BRST | | | | |
| | | | | 100 M. BRST | | | | |
| | | | | 200 M. BRST | | | | |
| | | | | 50 M. FLY | | | | |
| | | | | 100 M. FLY | | | | |
| | | | | 200 M. FLY | | | | |
| | | | | 100 M. I.M. | | | | |
| | | | | 200 M. I.M. | | | | |
| | | | | 400 M. I.M. | | | | |

FINA MASTERS WORLD RECORDS LONG COURSE METERS (as of 11-1-98)

| ***** RELAY 200 M. FREE - WOMEN ***** | | | ***** RELAY 200 M. MEDLEY - WOMEN ***** | | |
|---------------------------------------|-----------------|---------|---|------------------|---------|
| 100-119 HOLMES-USA | 08-28-88 | 1:53.20 | 100-119 HOLMES - USA | 08-28-88 | 2:06.67 |
| MARY HOLMES | SUSAN HALFACRE | | BETH MAUER | DEB WALKER | |
| BETH MAUER | TISH BUCHER | | TISH BUCHER | MARY HOLMES | |
| 120-159 LONE STAR-USA | 08-24-87 | 1:53.05 | 120-159 GOLD-USA | 08-23-98 | 2:04.19 |
| MONICA BURK | BRIGITTE HEUER | | MARY GARDNER | SUSIE GEYER | |
| L. MORRISON-CASEY | JACKI HIRSTY | | TRACIE MOLL | JAMIE HERRINGTON | |
| 160-199 REGATAS-PER | 11-12-95 | 1:59.32 | 160-199 LOS ALTOS-USA | 05-29-94 | 2:12.91 |
| C CHANGANAQUI | F CHANGANAQUI | | CHRIS BREEDY | SUSAN ROY | |
| ROSARIO VIVANCO | SANDRA CROUSSE | | LAURA VAL | CAROLYN BOAK | |
| 200-239 LOS ALTOS-USA | 05-29-94 | 2:08.96 | 200-239 SAN DIEGO-USA | 05-31-98 | 2:23.07 |
| LAURA VAL | SUSAN ROY | | BETSY JORDAN | CAROLINE KRATTLI | |
| DELLA SEHORN | CAROLYN BOAK | | BARBARA DUNBAR | JACKIE MARR | |
| 240-279 DC MASTERS-USA | 08-23-98 | 2:18.70 | 240-279 DC MASTERS-USA | 08-23-98 | 2:37.68 |
| BARBARA FRID | JOANN LEILICH | | BARBARA FRID | JOANN LEILICH | |
| BARBARA ZAREMSKI | JAYNE BRUNER | | JAYNE BRUNER | BARBARA ZAREMSKI | |
| 280-319 NEW ENGLAND-USA | 08-11-96 | 2:38.52 | 280-319 KAWASAKI-JPN | 07-20-98 | 3:19.17 |
| CLARA WLAKER | BILLIE BURRILL | | MIDORI KINJO | AKIKO HATTORI | |
| PETEY SMITH | DIANE REED | | KIYOKO KOZU | MIEKO KAMOSHITA | |
| 320-359 WALNUT CRK-USA | 08-13-98 | 3:49.73 | 320-359 WALNUT CRK-USA | 08-10-98 | 4:19.11 |
| SALLY JOY | JAE HOWELL | | SALLY JOY | JAE HOWELL | |
| JEAN DURSTON | MARY JANE REEVE | | JEAN DURSTON | MARY JANE REEVE | |

| ***** RELAY 200 M. FREE - M E N ***** | | | ***** RELAY 200 M. MEDLEY - M E N ***** | | |
|---------------------------------------|-------------------|---------|---|-------------------|---------|
| 100-119 JYVASKYLAN-FIN | 06-26-96 | 1:36.39 | 100-119 POWERS-AUS | 04-07-90 | 1:49.84 |
| JANNE VIRTANEN | ARI JAAKKOLA | | BRAD COOPER | NEIL GYNTHNER | |
| JAANE VIRTANEN | TOMMY RUNDGREN | | ANKER BRODERSEN | ANGUS WADDELL | |
| 120-159 LONE STAR-USA | 07-16-86 | 1:37.43 | 120-159 RED FISH-SUI | 07-09-94 | 1:48.75 |
| DAVID HAGUE | JAMES MONTGOMERY | | PATRICK FERLAND | ETIENNE DAGON | |
| TRIP HEDRICK | BUCK SMITH | | THEOPHILE DAVID | STEFAN VOLERY | |
| 160-199 HOLMES - USA | 08-11-90 | 1:39.27 | 160-199 BAYLOR/LSTR-USA | 07-09-94 | 1:53.79 |
| JAMES LILLEY | C. MILTENBERGER | | MEL WASH | BERRY HAMILTON | |
| RICHARD ABRAHAMS | TIMOTHY GARTON | | TRIPP HEDRICK | DAVID HAGUE | |
| 200-239 OLYMPIC CLB-USA | 06-29-97 | 1:45.19 | 200-239 OLYMPIC CLB-USA | 07-09-94 | 1:58.50 |
| STEVE CLARK | ROBERT STRAND | | TIM BIRNIE | ROBERT STRAND | |
| TIM BIRNIE | JAMES ELDER | | RICHARD BASSI | JAMES ELDER | |
| 240-279 OLYMPIC CLUB | 06-29-97 | 1:54.45 | 240-279 GOLD - USA | 08-23-98 | 2:15.93 |
| RICHARD BASSI | JAMES KRUEGER | | DAVID MCINTYRE | HERB KERN | |
| BILL VAN HORN | PHILLIP CHAPMAN | | JOEL BURNS | CAV KAVANAUGH | |
| 280-319 SHUEI-JPN | 09-15-92 | 2:10.18 | 280-319 MAVERICK - USA | 08-18-97 | 2:33.50 |
| SHUICHI MURAYAMA | JUZO TSUBOTA | | PAUL HUTINGER | ROBERT MACDONALD | |
| ISAMU TAMURA | KEIJIRO NAKAMURA | | JOSEPH KURTZMAN | ALAN MALONEY | |
| 320-359 COAST - USA | 08-11-96 | 2:35.13 | 320-359 COAST - USA | 08-13-95 | 3:06.15 |
| LOUIS GIBERSON | WOODROW BOWERSOCK | | BRION WINSHIP | WALTER PFEIFFER | |
| WALTER PFEIFFER | R CHRISTIANS | | ROBERT CHRISTIANS | WOODROW BOWERSOCK | |

| ***** RELAY 200 M. FREE - MIXED ***** | | | ***** RELAY 200 M. MEDLEY - MIXED ***** | | |
|---------------------------------------|-------------------|---------|---|-------------------|---------|
| 100-119 HOLMES - USA | - -88 | 1:43.89 | 100-119 HOLMES - USA | 08-28-88 | 1:56.58 |
| | | | BETH MAUER | BRUCE HOWELL | |
| | | | SAM SEIPLE | MARY HOLMES | |
| 120-159 GOLD - USA | 08-23-98 | 1:42.65 | 120-159 GOLD-USA | 08-23-98 | 1:57.30 |
| TODD PACE | TRACIE MOLL | | CRAIG CRAWFORD | SETH VAN NEERDEN | |
| JAMIE HERRINGTON | KURT WIENANTS | | TRACIE MOLL | JAMIE HERRINGTON | |
| 160-199 ROCKY MT.-USA | 08-23-98 | 1:45.83 | 160-199 TTEX-USA | 08-23-98 | 2:01.22 |
| KATHY GARNIER | LAUREEN WELTING | | SHARON WENCEL | DAVID GUTHRIE | |
| RICHARD ABRAHAMS | JAMES LILLEY | | BRUCE WENCEL | S NEILSON-BELL | |
| 200-239 LOS ALTOS - USA | 07-09-94 | 1:55.50 | 200-239 TAM - USA | 08-23-98 | 2:08.56 |
| EDWARD CAZALET | LAURA VAL | | RICHARD BURNS | KENNETH FROST | |
| ARLENE PROEBSTING | ROBERT PROEBSTING | | LAURA VAL | NANCY RIDOUT | |
| 240-279 SAN DIEGO-USA | 06-29-97 | 2:07.26 | 240-279 OLYMPIC CLUB | 06-29-97 | 2:27.14 |
| DONALD BAKER | JEANNE LITTLE | | MARGERY MEYER | DANIELLE OGIER | |
| JACKIE MARR | BILL EARLEY | | STEVE CLARK | PHILLIP CHAPMAN | |
| 280-319 SOLK HELLAS-SWE | 06-23-98 | 2:27.21 | 280-319 HOLMES - USA | - -88 | 2:37.98 |
| BRITT GRILLI | NILS FERM | | | | |
| PETER BERGENGREN | KERSTIN GJORES | | | | |
| 320-359 DC MASTERS-USA | 08-01-93 | 3:03.15 | 320-359 RIO MASTERS-BRA | 11-26-95 | 3:54.87 |
| NANCY CLARK | ANNE WALKER | | ALBERTO MIBIELLI | LUZIA CARACCIOLLO | |
| KELLEY LEMMON | DAVID MCAFEE | | MARIA LENK | GASTAO FIGUEIREDO | |

FINA MASTERS WORLD RECORDS SHORT COURSE METERS (as of 11-1-98)

| WRL SCM RECORDS AS OF 11-01-98 | | | | | | | | | | |
|--------------------------------|----------|-----|-------------------|------|---------|-----------------------|-----|----------|-----|----------|
| ***** M E N ***** | | | | | 25-29 | ***** W O M E N ***** | | | | |
| 22.48 | 12-04-93 | USA | ROBERT PEEL | 50 | M. FREE | HAGEMAN/SCHUBERT | U/G | 11- | -97 | 26.63 |
| 49.91 | 12-10-95 | USA | BJORN ZIKARSKY | 100 | M. FREE | SHEILA TAORMINA | USA | 03-31-96 | | 56.30 |
| 1:48.81 | 12-10-95 | USA | JOHN KEPPELER | 200 | M. FREE | SHEILA TAORMINA | USA | 03-31-96 | | 1:59.78 |
| 3:58.23 | 12-14-97 | USA | ALEX KOSTICH | 400 | M. FREE | SHEILA TAORMINA | USA | 03-31-96 | | 4:24.18 |
| 8:14.75 | 12-14-97 | USA | ALEX KOSTICH | 800 | M. FREE | SHEILA TAORMINA | USA | 03-31-96 | | 8:51.18 |
| 15:41.81 | 12-14-97 | USA | ALEX KOSTICH | 1500 | M. FREE | SHEILA TAORMINA | USA | 03-31-96 | | 16:36.07 |
| 25.43 | 10-16-94 | GBR | MARTIN HARRIS | 50 | M. BACK | DIANE GRANER | USA | 10-15-89 | | 30.63 |
| 54.82 | 11-12-94 | GBR | MARTIN HARRIS | 100 | M. BACK | BERIT PUGGAARD | DEN | 11-01-97 | | 1:04.50 |
| 2:01.78 | 10-16-94 | GBR | MARTIN HARRIS | 200 | M. BACK | J.DE ROVER | NED | - | -92 | 2:17.86 |
| 28.81 | - | AUS | GUY FARROW | 50 | M. BRST | RIA WILLEMSE | NED | - | -90 | 33.60 |
| 1:03.23 | 11-03-97 | JPN | HIDEAKI TOGO | 100 | M. BRST | RIA WILLEMSE | NED | - | -90 | 1:13.60 |
| 2:20.43 | 12-14-96 | USA | ABRAHAM SOLANO | 200 | M. BRST | HELEN GORMAN | GBR | 10-26-97 | | 2:39.98 |
| 25.20 | 03-16-97 | SWE | JONAS AKESSON | 50 | M. FLY | SHEILA TAORMINA | USA | 03-31-96 | | 28.68 |
| 56.11 | 10-15-95 | USA | MARTIN HERRMANN | 100 | M. FLY | SHEILA TAORMINA | USA | 03-31-96 | | 1:01.33 |
| 2:05.97 | 10-17-93 | GBR | GAVIN LILLEY | 200 | M. FLY | S. PALMER-WHITE | AUS | - | -91 | 2:17.13 |
| 56.90 | 11-12-94 | GBR | MARTIN HARRIS | 100 | M. I.M. | MONIQUE RODAHL | NZL | 06-04-89 | | 1:06.84 |
| 2:05.93 | 12-10-95 | USA | JOHN KEPPELER | 200 | M. I.M. | BIRGIT DEURING | GER | 11-03-96 | | 2:23.47 |
| 4:26.79 | 12-10-95 | USA | JOHN KEPPELER | 400 | M. I.M. | BIRGIT DEURING | GER | 11-03-96 | | 5:04.56 |
| ***** M E N ***** | | | | | 30-34 | ***** W O M E N ***** | | | | |
| 22.82 | 10-15-89 | JPN | ROWDY GAINES | 50 | M. FREE | ANNA PETTIS-SCOTT | USA | 04-17-93 | | 26.46 |
| 50.51 | 10-15-89 | JPN | ROWDY GAINES | 100 | M. FREE | SANDY NEILSON | USA | 05-16-88 | | 57.35 |
| 1:50.91 | 10-15-89 | JPN | ROWDY GAINES | 200 | M. FREE | K PIPES-NEILSEN | USA | 12-15-96 | | 2:04.64 |
| 3:59.83 | 06-24-94 | USA | BRUCE HAYES | 400 | M. FREE | K PIPES-NEILSEN | USA | 12-01-96 | | 4:22.70 |
| 8:19.44 | 06-24-94 | USA | BRUCE HAYES | 800 | M. FREE | K PIPES-NEILSEN | USA | 09-22-96 | | 9:08.34 |
| 16:21.25 | 06-24-94 | USA | BRUCE HAYES | 1500 | M. FREE | KAREN BURTON | USA | 12-11-94 | | 17:23.60 |
| 26.58 | 04-16-94 | USA | JAY YARID | 50 | M. BACK | D GRANER GALLAS | USA | 12-15-96 | | 30.14 |
| 56.83 | 11-27-93 | USA | JAY YARID | 100 | M. BACK | K PIPES-NEILSEN | USA | 12-10-95 | | 1:03.96 |
| 2:04.63 | 11-27-93 | USA | JAY YARID | 200 | M. BACK | K PIPES-NEILSEN | USA | 12-01-96 | | 2:16.62 |
| 29.21 | 10-13-96 | USA | DEAN PUTTERMAN | 50 | M. BRST | SUKI BROWNSDON | GBR | 10-28-95 | | 33.13 |
| 1:04.23 | 01-09-94 | NED | FRANK VIJVER | 100 | M. BRST | SUKI BROWNSDON | GBR | 10-27-95 | | 1:11.81 |
| 2:24.52 | 05-22-95 | CAN | SERGE SCORE | 200 | M. BRST | SUKI BROWNSDON | GBR | 10-26-97 | | 2:40.08 |
| 25.06 | 04-09-89 | USA | MICHAEL BOTTOM | 50 | M. FLY | D GRANER GALLAS | USA | 12-15-96 | | 29.20 |
| 54.82 | 05-19-96 | JPN | HIROSHI MIURA | 100 | M. FLY | K PIPES-NEILSEN | USA | 12-01-96 | | 1:03.80 |
| 2:05.73 | 07-20-96 | GBR | IAN BECK | 200 | M. FLY | K PIPES-NEILSEN | USA | 12-01-96 | | 2:19.64 |
| 57.84 | 05-19-96 | JPN | HIROSHI MIURA | 100 | M. I.M. | K PIPES-NEILSEN | USA | 12-10-95 | | 1:05.16 |
| 2:06.69 | 10-05-96 | GBR | PAUL BREW | 200 | M. I.M. | K PIPES-NEILSEN | USA | 12-10-95 | | 2:20.90 |
| 4:33.17 | 10-22-95 | USA | JEROME FRENTSOS | 400 | M. I.M. | K PIPES-NEILSEN | USA | 12-15-96 | | 4:53.85 |
| ***** M E N ***** | | | | | 35-39 | ***** W O M E N ***** | | | | |
| 23.80 | 12-11-94 | USA | BRUCE STAHL | 50 | M. FREE | S. NEILSON-BELL | USA | 11-19-95 | | 26.13 |
| 52.64 | 10-02-94 | AUS | MARK MORGAN | 100 | M. FREE | S. NEILSON-BELL | USA | 12-03-94 | | 57.71 |
| 1:53.66 | 01-25-98 | NED | EDWIN VAN NORDEN | 200 | M. FREE | K PIPES-NEILSEN | USA | 12-14-97 | | 2:03.56 |
| 4:07.22 | 01-10-98 | NED | EDWIN VAN NORDEN | 400 | M. FREE | K PIPES-NEILSEN | USA | 12-14-97 | | 4:24.01 |
| 8:44.90 | 03-31-96 | SUI | JAMES FURRER | 800 | M. FREE | LYNN MARSHALL | CAN | 10-05-96 | | 9:21.94 |
| 16:47.64 | 09-13-97 | SUI | JAMES FURRER | 1500 | M. FREE | K PIPES-NEILSEN | USA | 09-27-98 | | 17:40.20 |
| 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 |
| 2:10.01 | 10-10-93 | USA | WILLIAM SPECHT | 200 | M. BACK | K PIPES-NEILSEN | USA | 12-14-97 | | 2:14.10 |
| 28.82 | 04-04-98 | USA | WALLY DICKS | 50 | M. BRST | LESLIE OSBORNE | USA | 10-15-89 | | 34.63 |
| 1:03.18 | 04-04-98 | USA | WALLY DICKS | 100 | M. BRST | K PIPES-NEILSEN | USA | 12-14-97 | | 1:15.65 |
| 2:22.64 | 04-27-96 | CAN | SERGE SCORE | 200 | M. BRST | DAGMAR HILBIG | GER | 04-23-95 | | 2:44.81 |
| 25.89 | 10-10-93 | USA | WILLIAM SPECHT | 50 | M. FLY | K PIPES-NEILSEN | USA | 12-14-97 | | 29.87 |
| 57.02 | 10-10-93 | USA | WILLIAM SPECHT | 100 | M. FLY | K PIPES-NEILSEN | USA | 12-14-97 | | 1:03.29 |
| 2:06.48 | 10-09-94 | USA | WILLIAM SPECHT | 200 | M. FLY | K PIPES-NEILSEN | USA | 12-14-97 | | 2:18.41 |
| 59.28 | 04-04-98 | USA | CLAY BRITT | 100 | M. I.M. | K PIPES-NEILSEN | USA | 06-15-97 | | 1:06.57 |
| 2:10.84 | 10-26-97 | GBR | ROBIN BREW | 200 | M. I.M. | K PIPES-NEILSEN | USA | 06-15-97 | | 2:23.15 |
| 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 ***** | | | | |
| 24.37 | 04-29-98 | 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 | LAURA VAL | USA | 11-14-93 | | 1:00.68 |
| 1:57.83 | 06-25-95 | USA | HESS YNTEMA | 200 | M. FREE | JENNY WHITELEY | AUS | 01-24-98 | | 2:13.85 |
| 4:09.31 | 06-25-95 | USA | HESS YNTEMA | 400 | M. FREE | LAURA VAL | USA | 12-10-95 | | 4:42.94 |
| 8:49.83 | 06-25-95 | USA | HESS YNTEMA | 800 | M. FREE | JENNY WHITELEY | AUS | 04-26-98 | | 10:03.79 |
| 16:51.71 | 06-25-95 | USA | HESS YNTEMA | 1500 | M. FREE | KATHERINE BRANCH | USA | 11-02-97 | | 18:59.45 |
| 28.77 | 03-18-95 | GER | LACI PERENYI | 50 | M. BACK | LAURA VAL | USA | 11-14-93 | | 31.55 |
| 1:03.16 | 12-10-95 | USA | CLAY EVANS | 100 | M. BACK | LAURA VAL | USA | 10-15-95 | | 1:10.45 |
| 2:16.72 | 05-22-95 | CAN | JOHN MARCH | 200 | M. BACK | LAURA VAL | USA | 12-10-95 | | 2:34.04 |
| 29.86 | 09-28-97 | SWE | GLEN CHRISTIANSEN | 50 | M. BRST | NAOMI HEIMBACH | JPN | 05-19-96 | | 36.22 |
| 1:06.50 | 12-14-97 | USA | RON SCHAFFER | 100 | M. BRST | JUDY WOODWARD | CAN | 04-04-98 | | 1:18.85 |
| 2:25.58 | 12-14-97 | USA | RON SCHAFFER | 200 | M. BRST | HIROKO ISHII | JPN | 05-24-98 | | 2:51.73 |
| 26.35 | 12-11-95 | USA | RICK ABBOTT | 50 | M. FLY | LAURA VAL | USA | 10-15-95 | | 30.17 |
| 58.61 | 12-14-97 | USA | JAMES BELARDI | 100 | M. FLY | LAURA VAL | USA | 11-14-93 | | 1:06.86 |
| 2:08.46 | 12-14-97 | USA | JAMES BELARDI | 200 | M. FLY | LAURA VAL | USA | 11-14-93 | | 2:29.19 |
| 1:02.30 | 10-15-89 | USA | RIC COOLEY | 100 | M. I.M. | JENNY WHITELEY | AUS | 06-27-98 | | 1:11.13 |
| 2:15.07 | 10-13-96 | USA | SPENCER ELDRED | 200 | M. I.M. | LAURA VAL | USA | 11-15-92 | | 2:33.89 |
| 4:43.28 | 06-25-95 | USA | HESS YNTEMA | 400 | M. I.M. | LAURA VAL | USA | 11-15-92 | | 5:32.53 |

FINA MASTERS WORLD RECORDS SHORT COURSE METERS (as of 11-1-98)

| ***** 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 | 10-13-97 4:51.77 |
| 8:56.08 | 10-13-96 | USA | TIM BRODERICK | 800 | M. FREE | DANIELLE OGIER | USA | 11-23-97 10:08.72 |
| 17:24.70 | 12-14-97 | USA | JIM MCCONICA | 1500 | M. FREE | BARBARA DUNBAR | USA | 10-27-96 19:14.97 |
| 29.33 | 03-12-89 | USA | ROBERT SMITH | 50 | M. BACK | LAURA VAL | USA | 10-13-96 32.39 |
| 1:04.94 | 12-10-95 | USA | PETER O'KEEFFE | 100 | M. BACK | LAURA VAL | USA | 10-13-96 1:10.76 |
| 2:18.98 | 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 | 02-06-98 2:57.70 |
| 27.08 | 04-17-93 | USA | DAN THOMPSON | 50 | M. FLY | LAURA VAL | USA | 10-13-96 30.50 |
| 1:01.13 | 11-03-96 | USA | TOM PERRIN | 100 | M. FLY | LAURA VAL | USA | 10-13-96 1:07.80 |
| 2:19.73 | 12-15-96 | USA | BOO GRANER GALLAS | 200 | M. FLY | LAURA VAL | USA | 10-19-97 2:33.70 |
| 1:04.80 | 11-06-94 | USA | ANDREW MCPHERSON | 100 | M. I.M. | LAURA VAL | USA | 10-19-97 1:11.82 |
| 2:22.79 | 10-19-97 | USA | TIM BRODERICK | 200 | M. I.M. | LAURA VAL | USA | 10-19-97 2:37.59 |
| 4:57.94 | 03-15-98 | ITA | LORENZO MARUGO | 400 | M. I.M. | DANIELLE OGIER | USA | 10-19-97 5:43.48 |
| ***** M E N ***** 50-54 ***** W O M E N ***** | | | | | | | | |
| 25.72 | 12-07-97 | USA | DANIEL ROGACKI | 50 | M. FREE | SUSANA BARKLEY | ESP | 05-14-95 30.30 |
| 56.63 | 10-13-96 | USA | KEEFE LODWIG | 100 | M. FREE | ARDETH MUELLER | USA | 10-06-91 1:06.41 |
| 2:06.76 | 12-15-96 | USA | TIM BIRNIE | 200 | M. FREE | DIANNE FOSTER | CAN | 01-25-98 2:27.70 |
| 4:36.29 | 05-24-96 | BAR | ANGUS EDGHILL | 400 | M. FREE | DIANNE FOSTER | CAN | 01-25-98 5:07.78 |
| 9:28.84 | 05-24-96 | BAR | ANGUS EDGHILL | 800 | M. FREE | CAROLYN BOAK | USA | 10-13-96 11:07.78 |
| 18:18.50 | 05-03-98 | NED | D UYTENBOGAART | 1500 | M. FREE | CAROLYN BOAK | USA | 10-15-95 21:22.26 |
| 29.50 | 12-14-97 | USA | HUGH WILDER | 50 | M. BACK | CAROL FELLOWS | GBR | 11-08-97 34.97 |
| 1:04.17 | 12-14-97 | USA | HUGH WILDER | 100 | M. BACK | SANDRA O'NEIL | GBR | 10-26-97 1:19.16 |
| 2:24.18 | 12-14-97 | USA | TIM BIRNIE | 200 | M. BACK | ARDETH MUELLER | USA | 12-07-91 2:48.88 |
| 31.24 | 12-14-97 | USA | DON MCKENZIE | 50 | M. BRST | JAN MACLEOD | AUS | 09-13-97 38.48 |
| 1:09.96 | 12-15-96 | USA | ROBERT STRAND | 100 | M. BRST | ERNA LOSKAMP | NED | - -92 1:25.73 |
| 2:34.71 | 12-15-96 | USA | ROBERT STRAND | 200 | M. BRST | DIANE FORD | GBR | 10-17-93 3:06.63 |
| 28.35 | 05-11-97 | GER | BERND SCHRODER | 50 | M. FLY | DIANA TODD | USA | 12-11-94 33.85 |
| 1:02.54 | 12-14-97 | USA | BOO GRANER GALLAS | 100 | M. FLY | ARDETH MUELLER | USA | 10-06-91 1:12.66 |
| 2:21.58 | 12-14-97 | USA | BOO GRANER GALLAS | 200 | M. FLY | ARDETH MUELLER | USA | 12-09-95 2:55.91 |
| 1:04.97 | 12-15-96 | USA | ROBERT STRAND | 100 | M. I.M. | CAROL FELLOWS | GBR | 10-27-96 1:17.98 |
| 2:25.01 | 12-14-97 | USA | ROBERT STRAND | 200 | M. I.M. | BRIGITTE MERTEN | GER | 11-02-97 2:48.78 |
| 5:18.19 | 12-14-97 | USA | ANDREW MCPHERSON | 400 | M. I.M. | ARDETH MUELLER | USA | 12-07-91 5:56.24 |
| ***** M E N ***** 55-59 ***** W O M E N ***** | | | | | | | | |
| 26.60 | 10-15-89 | USA | DONALD HILL | 50 | M. FREE | ARDETH MUELLER | USA | 11-03-96 30.37 |
| 59.49 | 11-02-97 | USA | JACK GEOGHEGAN | 100 | M. FREE | YOSHIKO OSAKI | JPN | 11-03-94 1:11.18 |
| 2:13.20 | 12-07-97 | USA | JACK GEOGHEGAN | 200 | M. FREE | ARDETH MUELLER | USA | 11-03-96 2:28.30 |
| 4:47.10 | 06-28-97 | GBR | SANDY GALLETTY | 400 | M. FREE | ARDETH MUELLER | USA | 11-03-96 5:15.91 |
| 9:47.45 | 10-26-97 | GBR | SANDY GALLETTY | 800 | M. FREE | JEN THOMASSON | AUS | 08-29-98 11:04.01 |
| 19:18.99 | 11-02-97 | USA | JACK GEOGHEGAN | 1500 | M. FREE | JEN THOMASSON | AUS | 08-29-98 20:49.11 |
| 31.92 | 03-15-98 | HUN | JOSZEF CSIKANY | 50 | M. BACK | SATOKO TAKEUJI | JPN | 05-18-97 35.88 |
| 1:10.88 | 10-23-94 | NZL | BARRY YOUNG | 100 | M. BACK | SATOKO TAKEUJI | JPN | 05-18-97 1:19.61 |
| 2:33.21 | 10-23-94 | NZL | BARRY YOUNG | 200 | M. BACK | MARGARET WILDING | GBR | 10-26-97 2:58.47 |
| 33.17 | 05-09-93 | JPN | HIROSHI KOTEGAWA | 50 | M. BRST | MONIKA SENFTLEBEN | GER | 11-08-97 38.98 |
| 1:16.32 | 06-04-88 | USA | MANUEL SANGUILY | 100 | M. BRST | BONNIE PRONK | CAN | 11-22-97 1:25.92 |
| 2:49.96 | 12-10-95 | USA | DRURY GALLAGHER | 200 | M. BRST | BONNIE PRONK | CAN | 11-22-97 3:08.87 |
| 29.10 | 03-07-98 | GER | BERND SCHRODER | 50 | M. FLY | ARDETH MUELLER | USA | 11-02-97 33.66 |
| 1:06.66 | 03-15-98 | GER | BERND SCHRODER | 100 | M. FLY | ARDETH MUELLER | USA | 11-02-97 1:18.75 |
| 2:36.72 | 03-15-98 | JPN | KOJI IWAMOTO | 200 | M. FLY | ARDETH MUELLER | USA | 11-03-96 2:55.05 |
| 1:09.59 | 05-09-98 | GER | BERND SCHRODER | 100 | M. I.M. | YOSHIKO OSAKI | JPN | 05-28-95 1:21.25 |
| 2:34.42 | 05-22-95 | CAN | JACK KELSO | 200 | M. I.M. | ARDETH MUELLER | USA | 11-02-97 2:52.43 |
| 5:29.09 | 06-28-97 | GBR | SANDY GALLETTY | 400 | M. I.M. | 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 | 04-12-98 2:38.40 |
| 4:56.69 | 06-25-95 | USA | GRAHAM JOHNSTON | 400 | M. FREE | LAVELLE STOINOFF | USA | 03-14-93 5:38.06 |
| 10:27.62 | 06-25-95 | USA | GRAHAM JOHNSTON | 800 | M. FREE | LAVELLE STOINOFF | USA | 03-14-93 11:30.55 |
| 19:48.44 | 06-25-95 | USA | GRAHAM JOHNSTON | 1500 | M. FREE | YOSHIKO OSAKI | JPN | 05-30-98 21:59.83 |
| 34.05 | 10-09-94 | USA | JACK BEATTIE | 50 | M. BACK | BETSY JORDAN | USA | 06-15-97 38.74 |
| 1:13.55 | 10-09-94 | USA | JACK BEATTIE | 100 | M. BACK | BETSY JORDAN | USA | 06-15-97 1:24.16 |
| 2:40.75 | 10-09-94 | USA | JACK BEATTIE | 200 | M. BACK | BETSY JORDAN | USA | 09-14-97 3:05.27 |
| 34.41 | 05-12-96 | JPN | HIROSHI KOTEGAWA | 50 | M. BRST | JAYNE BRUNER | USA | 03-23-96 41.74 |
| 1:19.82 | 05-28-95 | JPN | AKIO SUGIYAMA | 100 | M. BRST | FLORA CONNOLLY | GBR | 04-23-94 1:32.12 |
| 2:57.08 | 10-28-95 | GBR | THOMAS WALKER | 200 | M. BRST | FLORA CONNOLLY | GBR | 04-23-94 3:19.67 |
| 30.34 | 11-05-95 | USA | BOB BAILIE | 50 | M. FLY | YOSHIKO OSAKI | JPN | 05-10-98 36.05 |
| 1:14.21 | 10-26-97 | BRA | LUIS RICARDO SIMI | 100 | M. FLY | YOSHIKO OSAKI | JPN | 04-26-98 1:27.45 |
| 2:53.49 | 05-17-97 | BRA | LUIS RICARDO SIMI | 200 | M. FLY | FLORA CONNOLLY | GBR | 04-23-94 3:17.00 |
| 1:12.78 | 05-11-97 | JPN | TOSHIHIRO HAYASHI | 100 | M. I.M. | YOSHIKO OSAKI | JPN | 05-10-98 1:23.16 |
| 2:46.69 | 08-11-91 | USA | GRAHAM JOHNSTON | 200 | M. I.M. | YOSHIKO OSAKI | JPN | 01-25-98 2:59.95 |
| 6:02.73 | 07-18-93 | USA | GRAHAM JOHNSTON | 400 | M. I.M. | JUDIE OLIVER | CAN | 05-25-92 6:50.55 |

FINA MASTERS WORLD RECORDS SHORT COURSE METERS (as of 11-1-98)

| ***** M E N ***** | | | 65-69 ***** | | | ***** W O M E N ***** | | |
|-------------------|----------|-----|-------------------|------|---------|-----------------------|-----|-------------------|
| 28.66 | 12-14-98 | 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 | CLARA WALKER | USA | 12-13-92 12:35.26 |
| 19:53.18 | 06-02-96 | USA | GRAHAM JOHNSTON | 1500 | M. FREE | CLARA WALKER | USA | 12-13-92 23:38.44 |
| 34.75 | 03-15-98 | JPN | S SEKIKAWA | 50 | M. BACK | DORIS STEADMAN | USA | 10-15-89 40.48 |
| 1:16.12 | 03-15-98 | JPN | S SEKIKAWA | 100 | M. BACK | DORIS STEADMAN | USA | 10-15-89 1:30.41 |
| 2:47.59 | 01-15-98 | JPN | S SEKIKAWA | 200 | M. BACK | DORIS STEADMAN | USA | 10-15-89 3:15.72 |
| 36.33 | 01-28-96 | CAN | NICK TEMPLEMAN | 50 | M. BRST | ELIANE PELLIS | BEL | 02-28-98 43.27 |
| 1:21.34 | 01-28-96 | CAN | NICK TEMPLEMAN | 100 | M. BRST | 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 |
| 31.87 | 12-15-96 | USA | RON JOHNSON | 50 | M. FLY | GAIL ROPER | USA | 10-15-95 38.44 |
| 1:18.52 | 04-08-95 | USA | HARRY HUNSICKER | 100 | M. FLY | GAIL ROPER | USA | 10-15-95 1:33.10 |
| 3:06.43 | 12-15-96 | USA | RON JOHNSON | 200 | M. FLY | 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. | CLARA WALKER | USA | 12-08-91 3:18.77 |
| 6:04.40 | 11-23-96 | USA | GRAHAM JOHNSTON | 400 | M. I.M. | GAIL ROPER | USA | 12-15-96 7:07.69 |
| ***** M E N ***** | | | 70-74 ***** | | | ***** W O M E N ***** | | |
| 30.21 | 03-15-98 | JPN | TAKAHIKO NOMA | 50 | M. FREE | CLARA WALKER | USA | 06-22-96 36.32 |
| 1:09.00 | 12-10-95 | USA | FRANK PIEMME | 100 | M. FREE | CLARA WALKER | USA | 06-22-96 1:20.77 |
| 2:37.86 | 10-28-95 | USA | FRANK PIEMME | 200 | M. FREE | CLARA WALKER | USA | 06-22-96 3:02.11 |
| 5:35.49 | 09-17-95 | USA | FRANK PIEMME | 400 | M. FREE | JUNE KRAUSER | USA | 10-13-96 6:28.81 |
| 11:38.41 | 10-15-95 | USA | FRANK PIEMME | 800 | M. FREE | JUNE KRAUSER | USA | 09-07-96 13:07.28 |
| 22:44.45 | 11-18-95 | USA | FRANK PIEMME | 1500 | M. FREE | JUNE KRAUSER | USA | 11-02-96 24:57.85 |
| 35.71 | 12-11-94 | USA | PAUL HUTINGER | 50 | M. BACK | DORIS STEADMAN | USA | 10-08-95 42.58 |
| 1:21.74 | 12-11-94 | USA | PAUL HUTINGER | 100 | M. BACK | DORIS STEADMAN | USA | 10-08-95 1:35.66 |
| 2:55.73 | 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 BOHM | GER | 01-24-98 1:42.97 |
| 3:16.44 | 04-23-95 | GER | KARL HAUTER | 200 | M. BRST | ERIKA LANGE | GER | 02-06-98 3:48.92 |
| 34.77 | 12-10-95 | USA | FRANK PIEMME | 50 | M. FLY | MASUMI TANI | JPN | 06-09-96 44.49 |
| 1:26.98 | 10-13-96 | USA | JOSEPH KURTZMAN | 100 | M. FLY | JUNE KRAUSER | USA | 09-07-96 1:40.20 |
| 3:18.59 | 04-23-95 | GER | ROBERT PFERSDORFF | 200 | M. FLY | JUNE KRAUSER | USA | 10-13-96 3:38.39 |
| 1:20.99 | 12-10-95 | USA | FRANK PIEMME | 100 | M. I.M. | JUNE KRAUSER | USA | 10-13-96 1:38.73 |
| 3:00.88 | 01-28-96 | ESP | JESUS DOMINGUEZ | 200 | M. I.M. | JUNE KRAUSER | USA | 10-13-96 3:31.93 |
| 6:38.98 | 12-10-95 | USA | FRANK PIEMME | 400 | M. I.M. | JUNE KRAUSER | USA | 10-13-96 7:24.32 |
| ***** M E N ***** | | | 75-79 ***** | | | ***** W O M E N ***** | | |
| 32.48 | 10-26-97 | GBR | JACK HALE | 50 | M. FREE | OLGA JOHNSON | NZL | 02-03-96 39.73 |
| 1:13.35 | 10-26-97 | GBR | JACK HALE | 100 | M. FREE | MARGERY MEYER | USA | 10-19-97 1:34.19 |
| 2:48.67 | 11-06-94 | USA | RAY TAFT | 200 | M. FREE | MARGERY MEYER | USA | 10-19-97 3:27.92 |
| 6:02.95 | 10-15-95 | USA | RAY TAFT | 400 | M. FREE | MARGERY MEYER | USA | 10-19-97 7:07.37 |
| 12:45.40 | 11-06-94 | USA | RAY TAFT | 800 | M. FREE | MARGERY MEYER | USA | 10-19-97 14:58.24 |
| 24:46.19 | 11-14-93 | USA | ALDO DA ROSA | 1500 | M. FREE | MARGERY MEYER | USA | 10-11-97 28:47.41 |
| 37.47 | 03-15-98 | JPN | KEIJIRO NAKAMURA | 50 | M. BACK | WILLY VAN RYSEL | GBR | - -91 48.06 |
| 1:24.21 | 03-15-98 | JPN | KEIJIRO NAKAMURA | 100 | M. BACK | WILLY VAN RYSEL | GBR | - -91 1:48.13 |
| 3:10.22 | 11-06-94 | USA | RAY TAFT | 200 | M. BACK | WILLY VAN RYSEL | GBR | - -91 4:00.43 |
| 42.33 | 12-08-93 | ITA | AUGUSTO ROMANO | 50 | M. BRST | SATOKO SUZUKI | JPN | 05-24-98 49.57 |
| 1:36.61 | 05-15-94 | ITA | AUGUSTO ROMANO | 100 | M. BRST | HILDEGARD MESSING | GER | 03-04-95 1:59.41 |
| 3:34.29 | 11-14-93 | USA | ALDO DA ROSA | 200 | M. BRST | HILDEGARD MESSING | GER | 04-23-95 4:22.96 |
| 38.00 | 10-26-97 | GBR | JACK HALE | 50 | M. FLY | CATHERINE KERR | CAN | 03-16-96 52.18 |
| 1:36.80 | 11-15-92 | USA | PAUL KRUP | 100 | M. FLY | DIANA SILVA | USA | 09-21-97 2:05.39 |
| 3:49.00 | 11-15-92 | USA | PAUL KRUP | 200 | M. FLY | MAXINE MERLINO | USA | 10-30-88 4:48.50 |
| 1:27.43 | 11-06-94 | USA | RAY TAFT | 100 | M. I.M. | CATHERINE KERR | CAN | 03-16-96 1:51.66 |
| 3:20.35 | 11-06-94 | USA | RAY TAFT | 200 | M. I.M. | CATHERINE KERR | CAN | 01-27-96 4:12.37 |
| 7:08.53 | 11-06-94 | USA | RAY TAFT | 400 | M. I.M. | MAXINE MERLINO | USA | 02-07-88 9:07.66 |
| ***** M E N ***** | | | 80-84 ***** | | | ***** W O M E N ***** | | |
| 35.16 | 12-12-93 | USA | WOODROW BOWERSOCK | 50 | M. FREE | HATSUHO SUGAYA | JPN | 05-26-96 44.57 |
| 1:18.80 | 05-14-95 | JPN | HIKOJI UEKI | 100 | M. FREE | MARJORIE SHARPE | USA | 09-28-97 1:44.57 |
| 3:01.42 | 05-14-95 | JPN | HIKOJI UEKI | 200 | M. FREE | MARJORIE SHARPE | USA | 09-13-97 3:49.19 |
| 6:46.62 | 09-28-97 | USA | ALDO DA ROSA | 400 | M. FREE | RITA SIMONTON | USA | 09-27-98 7:37.84 |
| 14:24.53 | 10-19-97 | USA | ALDO DA ROSA | 800 | M. FREE | MARJORIE SHARPE | USA | 10-11-97 16:18.58 |
| 27:33.01 | 08-03-97 | USA | ROBERT JOHNSTON | 1500 | M. FREE | MARJORIE SHARPE | USA | 10-11-97 30:59.09 |
| 43.71 | 03-05-95 | GER | OTTO CLAUS | 50 | M. BACK | WILLY VAN RYSEL | GBR | 11-02-96 55.58 |
| 1:37.17 | 11-06-94 | USA | EDWARD SHEA | 100 | M. BACK | EDITH THEIN | ISR | 02-21-98 1:57.69 |
| 3:33.91 | 11-06-94 | USA | EDWARD SHEA | 200 | M. BACK | EDITH THEIN | ISR | 02-21-98 4:03.55 |
| 44.56 | 11-16-97 | JPN | Y MIYAMOTO | 50 | M. BRST | KAY SCHIMPF | USA | 10-05-97 1:04.37 |
| 1:43.91 | 11-03-97 | JPN | Y MIYAMOTO | 100 | M. BRST | RITA SIMONTON | USA | 09-27-98 2:19.11 |
| 3:56.61 | 10-19-97 | USA | ALDO DA ROSA | 200 | M. BRST | RITA SIMONTON | USA | 09-27-98 4:53.59 |
| 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 |
| 7:57.13 | 10-19-97 | USA | ALDO DA ROSA | 400 | M. I.M. | MAXINE MERLINO | USA | 10-11-92 9:50.43 |

FINA MASTERS WORLD RECORDS SHORT COURSE METERS (as of 11-1-98)

| ***** M E N ***** | | | | | | | | | | ***** 85-89 ***** | | | | | | | | | | ***** W O M E N ***** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|----------|-----|----------------|-----|----|------|----------------|-----|----------|---------------------|---------|----------|-----|----------------|-----|----|------|---------------|-----|-----------------------|---------|---------|----------|-----|----------------|-----|-----|------|----------------|-----|----------|---------|---------|----------|-----|-------------|-----|----|------|----------------|------|----------|----------|----------|----------|-----|-------------|------|----|------|---------------|-----|----------|----------|----------|----------|-----|-------------|------|----|------|---------------|------|----------|----------|---------|----------|-----|----------------|-----|----|------|----------------|-----|----------|---------|---------|----------------|-----|----------------|---------|----|------|----------------|-----|----------|---------|---------|----------|-----|----------------|-----|----|------|---------------|-----|----------|---------|---------|----------|------|-----------------|-----|----|------|----------------|-----|----------|---------|---------|----------|------|-----------------|-----|----|------|----------------|-----|----------|---------|---------|----------|-----|-----------------|------|----|------|---------------|-----|----------|---------|-------|----------|-----|-----------------|------|------|-----|-------------|-----|----------|---------|---------|----------|-----|-----------------|-----|-----|-----|-------------|-----|----------|---------|---------|----------|-----|-----------------|-----|-----|-----|----------------|-----|----------|---------|---------|----------|-----|-----------------|-----|-----|------|----------------|-----|----------|---------|---------|----------|-----|-----------------|-----|----|------|----------------|------|----------|---------|---------|----------|-----|-----------------|-----|----|------|----------------|-----|----------|----------|--|--|--|--|--|--|--|--|-----|-----|------|------|--|--|--|--|--|
| 38.82 | 03-15-97 | GER | R REINSTADTLER | 50 | M. | FREE | JULIA DOLCE | USA | 10-08-95 | 51.99 | 1:36.18 | 03-16-97 | GER | R REINSTADTLER | 100 | M. | FREE | JULIA DOLCE | USA | 10-08-95 | 2:05.74 | 3:44.09 | 03-14-97 | GER | R REINSTADTLER | 200 | M. | FREE | MAXINE MERLINO | USA | 09-27-98 | 4:37.83 | 7:54.24 | 12-10-88 | USA | GUS LANGNER | 400 | M. | FREE | MAXINE MERLINO | USA | 10-18-98 | 9:34.27 | 16:53.90 | 12-10-88 | USA | GUS LANGNER | 800 | M. | FREE | JULIA DOLCE | USA | 10-08-95 | 22:22.74 | 32:20.20 | 12-11-88 | USA | GUS LANGNER | 1500 | M. | FREE | JULIA DOLCE | USA | 10-08-95 | 42:10.95 | 47.17 | 03-01-97 | GER | R REINSTADTLER | 50 | M. | BACK | DOROTHY WESTON | GBR | 03-29-98 | 1:10.95 | 1:52.03 | 03-16-97 | GER | R REINSTADTLER | 100 | M. | BACK | DOROTHY WESTON | GBR | 03-29-98 | 2:23.91 | 4:11.25 | 01-19-97 | GER | R REINSTADTLER | 200 | M. | BACK | RINA DAVOGLIO | ITA | 02-09-97 | 5:23.00 | 51.17 | 11-25-95 | GER | KARL WITTENBERG | 50 | M. | BRST | EMMI PAULI | GER | 05-09-98 | 1:09.28 | 2:06.08 | 06-14-98 | USA | WALTER PFEIFFER | 100 | M. | BRST | DOROTHY WESTON | GBR | 03-29-98 | 2:38.75 | 4:46.64 | 10-18-98 | USA | WALTER PFEIFFER | 200 | M. | BRST | MARTI GOGNIAT | USA | 12-14-97 | 5:59.36 | 52.84 | 06-14-98 | USA | WALTER PFEIFFER | 50 | M. | FLY | JEWEL COOKE | USA | 02-04-96 | 1:24.22 | 2:05.50 | 06-14-98 | USA | WALTER PFEIFFER | 100 | M. | FLY | JEWEL COOKE | USA | 02-18-96 | 3:20.81 | 4:45.09 | 10-18-98 | USA | WALTER PFEIFFER | 200 | M. | FLY | MAXINE MERLINO | USA | 09-27-98 | 6:01.46 | 1:51.87 | 06-14-98 | USA | WALTER PFEIFFER | 100 | M. | I.M. | DOROTHY WESTON | GBR | 03-29-98 | 2:32.68 | 4:21.19 | 06-14-98 | USA | WALTER PFEIFFER | 200 | M. | I.M. | MAXINE MERLINO | USA | 09-27-98 | 5:12.13 | 9:31.75 | 10-18-98 | USA | WALTER PFEIFFER | 400 | M. | I.M. | MAXINE MERLINO | USA | 10-18-98 | 11:02.02 | | | | | | | | | | | | | | | | | |
| ***** M E N ***** | | | | | | | | | | ***** 90-94 ***** | | | | | | | | | | ***** W O M E N ***** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50.09 | 12-11-93 | USA | GUS LANGNER | 50 | M. | FREE | ANNA BAUSCHER | USA | 10-24-93 | 1:36.77 | 1:58.42 | 12-11-93 | USA | GUS LANGNER | 100 | M. | FREE | ANNA BAUSCHER | USA | 10-24-93 | 3:24.13 | 4:27.70 | 12-11-93 | USA | GUS LANGNER | 200 | M. | FREE | ANNA BAUSCHER | USA | 10-24-93 | 7:01.11 | 8:50.65 | 12-11-93 | USA | GUS LANGNER | 400 | M. | FREE | ANNA BAUSCHER | USA | 10-24-93 | 14:16.35 | 44:48.99 | 11-10-96 | USA | GUS LANGNER | 1500 | M. | FREE | ANNA BAUSCHER | USA | 10-24-93 | 28:45.45 | 1:03.01 | 03-07-98 | GER | HANS PAUL | 50 | M. | BACK | VERA FERNANCE | AUS | - -89 | 1:55.07 | 2:40.88 | 10-08-95 | USA | JOE KAUFMAN | 100 | M. | BACK | VERA FERNANCE | AUS | - -90 | 4:19.46 | 5:44.64 | 10-13-96 | USA | JOE KAUFMAN | 200 | M. | BACK | VERA FERNANCE | AUS | - -90 | 4:19.46 | 1:05.70 | 03-07-98 | GER | HANS PAUL | 50 | M. | BRST | YOSHI KUCHIBA | JPN | 05-10-98 | 1:37.50 | 3:01.95 | 12-17-93 | USA | GUS LANGNER | 100 | M. | BRST | DORRIS VENNING | NZL | - -91 | 4:05.59 | 6:41.56 | 12-03-94 | USA | GUS LANGNER | 200 | M. | BRST | DORRIS VENNING | NZL | - -91 | 4:05.59 | 1:16.38 | 02-22-98 | USA | JIM PENFIELD | 50 | M. | FLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| ***** M E N ***** | | | | | | | | | | ***** 95-99 ***** | | | | | | | | | | ***** W O M E N ***** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 50 | M. | FREE | MARGE ANDERSON | CAN | 04-04-98 | 2:13.55 | | | | | 100 | M. | FREE | | | | | | | | | | 200 | M. | FREE | | | | | | | | | | 400 | M. | FREE | | | | | | | | | | 800 | M. | FREE | | | | | | | | | | 1500 | M. | FREE | | | | | | | | | | 50 | M. | BACK | MARGE ANDERSON | CAN | 04-04-98 | 2:16.48 | | | | | 100 | M. | BACK | | | | | | | | | | 200 | M. | BACK | | | | | | | | | | 50 | M. | BRST | | | | | | | | | | 100 | M. | BRST | | | | | | | | | | 200 | M. | BRST | | | | | | | | | | 50 | M. | FLY | | | | | | | | | | 100 | M. | FLY | | | | | | | | | | 200 | M. | FLY | | | | | | | | | | 100 | M. | I.M. | | | | | | | | | | 200 | M. | I.M. | | | | | | | | | | 400 | M. | I.M. | | | | | | |
| ***** M E N ***** | | | | | | | | | | ***** 100-104 ***** | | | | | | | | | | ***** W O M E N ***** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2:06.66 | 09-30-95 | USA | TOM LANE | 50 | M. | FREE | | | | | 4:32.29 | 09-30-95 | USA | TOM LANE | 100 | M. | FREE | | | | | | | | | | 200 | M. | FREE | | | | | | | | | | 400 | M. | FREE | | | | | | | | | | 800 | M. | FREE | | | | | | | | | | 1500 | M. | FREE | | | | | | | | | | 50 | M. | BACK | | | | | | | | | | 100 | M. | BACK | | | | | | | | | | 200 | M. | BACK | | | | | | | | | | 50 | M. | BRST | | | | | | | | | | 100 | M. | BRST | | | | | | | | | | 200 | M. | BRST | | | | | | | | | | 50 | M. | FLY | | | | | | | | | | 100 | M. | FLY | | | | | | | | | | 200 | M. | FLY | | | | | | | | | | 100 | M. | I.M. | | | | | | | | | | 200 | M. | I.M. | | | | | | | | | | 400 | M. | I.M. | | | | | |

FINA MASTERS WORLD RECORDS SHORT COURSE METERS (as of 11-1-98)

WRL SCM RECORDS AS OF 11-01-98

| ***** 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 SAN DIEGO-USA | 12-11-94 | 2:05.27 |
| K.PIPES-NEILSEN | BETH KNIGHT | | VICKY DAVIDSON | MATHILDE BOUWMA | |
| MATHILDE BOUWMA | NANCY NORTH | | KARLYN PIPES | BETH KNIGHT | |
| 160-199 SAN DIEGO-USA | 10-22-96 | 1:59.23 | 160-199 SAN DIEGO | 11-09-96 | 2:12.54 |
| BARBARA DUNBAR | MARILYN FINK | | MARILYN FINK | K.PIPES-NEILSEN | |
| SALLY KARRASCH | K PIPES-NEILSEN | | BARBARA DUNBAR | BETH KNIGHT | |
| 200-239 SG NEUHOLLN-GER | 09-25-98 | 2:10.33 | 200-239 SG NEUHOLLN-GER | 09-25-98 | 2:24.82 |
| MARGA SCHULZE | MONIKA SENFTLEBEN | | BRIGITTE MERTEN | MONIKA SENFTLEBEN | |
| BRIGITTE MERTEN | ELKE SCHARP | | ELKE SCHARP | MARGA SCHULZE | |
| 240-279 NEW ENGLAND-USA | 12-11-94 | 2:25.52 | 240-279 SOLK HELLAS-SWE | 03-24-96 | 2:45.48 |
| CLARA WALKER | JENNIFER LUKER | | KERSTIN GJORES | BARBRO FLODSTROM | |
| BILLIE A BURRILL | DIANE REED | | HARRIET DEGIORGIO | BRITT GRILLI | |
| 280-319 KAWASAKI-JPN | 03-15-98 | 2:47.76 | 280-319 KOEIKAI-JPN | 04-29-97 | 3:18.15 |
| MIEKO KAMOSHITA | AKIKO HATTORI | | MITSUKO KURASHIGE | TAKAKO NAGATA | |
| MIDORI KINJO | KIYOKO KOZU | | MASAKO HOTEHAMA | KATAMOTO TAEKO | |
| 320-359 ST PETE - USA | 10-31-93 | 4:09.37 | 320-359 SAN MATEO-USA | 10-13-96 | 4:39.75 |
| MARIAN MCKECHNIE | WIN KENNEDY | | HELEN ROUMASSET | HILDA BUEL | |
| FRANCES CICHANSKI | KAY SCHIMPF | | ZADA TAFT | AUDREY ETIENNE | |

| ***** RELAY 200 M. FREE - M E N ***** | | | ***** RELAY 200 M. MEDLEY - M E N ***** | | |
|---------------------------------------|------------------|---------|---|------------------|---------|
| 100-119 EL SEGUNDO-USA | 12-14-97 | 1:35.70 | 100-119 EL SEGUNDO-USA | 12-14-97 | 1:45.73 |
| FRANK WATTLES | DEREK ROBINSON | | DEREK ROBINSON | DAVE HUSTON | |
| MARCEL RINZLER | BERT BERGEN | | MARCEL RINZLER | BERT BERGEN | |
| 120-159 BAYLOR/STAR-USA | 03-21-92 | 1:37.89 | 120-159 BAYLOR/STAR-USA | 04-16-94 | 1:45.01 |
| RICHARD HESS | DOUG MOYSE | | JAY YARID | GREG RHODENBAUGH | |
| M.RHODENBAUGH | BOBBY PATTEN | | BOBBY PATTEN | MOOK RHODENBAUGH | |
| 160-199 COLONIALS-USA | 04-21-96 | 1:40.74 | 160-199 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 OLYMPIC CLB-USA | 10-13-96 | 2:00.35 |
| FRED HUBBELL | FRANK PIEMME | | TIM BIRNIE | ROBERT STRAND | |
| FRANS NELSON | PETER O'KEEFFE | | RICHARD BASSI | JAMES KRUEGER | |
| 240-279 BUCKEYE-USA | 11-06-94 | 1:58.22 | 240-279 GOLD COAST-USA | 09-12-98 | 2:15.19 |
| SID HALL | YOSHI OYAKAWA | | DAVID MCINTYRE | HERB KERN | |
| THOMAS OLANDER | JOHN FLORANCE | | JOEL BURNS | CAV CAVANAUGH | |
| 280-319 SHUEI-JPN | 11-03-93 | 2:11.55 | 280-319 FL MAVERICK-USA | 12-07-97 | 2:31.20 |
| KEIJIRO NAKAMURA | EISAKU HAYASHI | | PAUL HUTINGER | ROBERT MACDONALD | |
| ISAMU TAMURA | SHUICHI MURAYAMA | | JOSEPH KURTZMAN | ALAN MALONEY | |
| 320-359 COAST - USA | 12-14-97 | 2:49.99 | 320-359 YOKYO SS-JPN | 05-04-98 | 3:20.27 |
| LOUIS GIBERSON | WOODY BOWERSOCK | | KISABURO WADA | SABURO WATANABE | |
| BOB CHRISTIANS | WALTER PFEIFFER | | 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 LINCOLN-USA | 10-15-89 | 1:57.25 | 200-239 S CAL AQUAT-USA | 12-01-96 | 2:12.20 |
| PAUL HUTINGER | IRENE DAVID | | BONNIE ADAIR | KAREN MELICK | |
| COLLEEN MALMEN | RAY PADOVAN | | GARY LANGENDOEN | BOB CONGELLIERE | |
| 240-279 SAN DIEGO-USA | 11-02-97 | 2:09.08 | 240-279 N.CAROLINA-USA | 11-10-96 | 2:26.10 |
| DONALD BAKER | BETSY JORDAN | | JEANNIE MITCHELL | SALLY NEWELL | |
| BILL EARLEY | JACKIE MARR | | JOHN KORTHEUER | DICK WEBBER | |
| 280-319 OJAI S BAR-USA | 10-15-95 | 2:35.36 | 280-319 100NOKAI-JPN | 04-12-98 | 2:52.77 |
| FRANK PIEMME | GRACE ALTUS | | KAZUKO TAGUCHI | MAKOTO NISHIURA | |
| RUTH BAAR | JURGEN SCHMIDT | | AKIRA ITO | CHIE TANI | |
| 320-359 IBARAGI SC-JPN | 05-24-98 | 3:23.57 | 320-359 RIO MASTERS-BRA | 11-18-95 | 3:51.75 |
| KENJIRO KAKEI | HIROKO TSUCHIYA | | ALBERTO MIBIELLI | LUZIA CARACCILO | |
| RITSUKO HAYASHIDA | RYUJI FUJIKAWA | | MARIA LENK | GASTAO FIGUEIREDO | |

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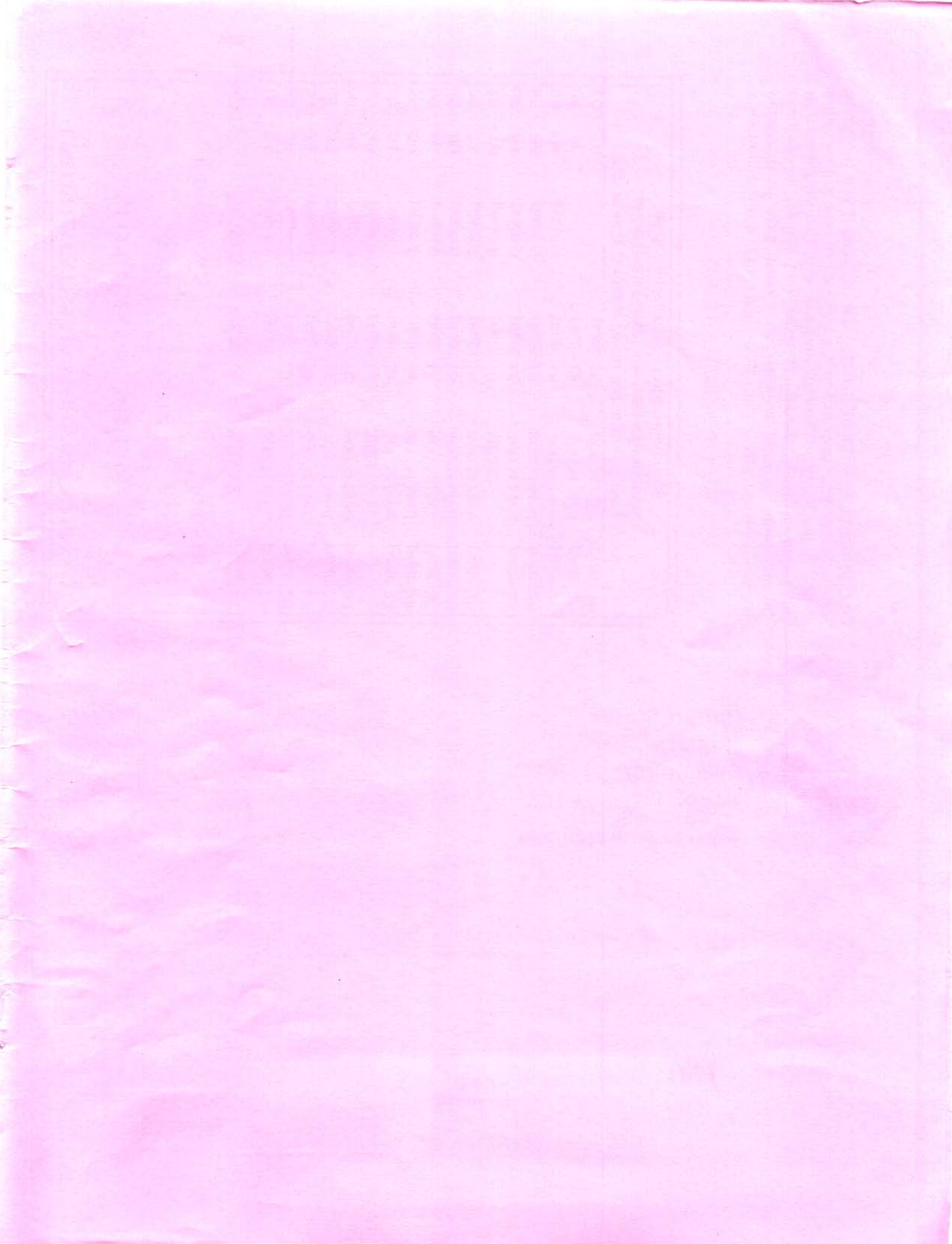
An easy to use USMS prepay telephone card with great rates and easy cash benefits to your club. Once you receive it, activate by calling the toll free number on the back of the card.

GET THIS INFORMATION OUT TO YOUR MEMBERSHIP

A camera ready or electronic copy of this brochure is available for you to copy and distribute to your membership. Please contact the National Office at 603-537-0203 or usms@usms.org if interested.

United States
Masters
Swimming





**UNITED STATES MASTERS SWIMMING
1998 TOP TEN
LONG COURSE METERS**

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Betsy Durrant
211 Sixty-Sixth St.
Virginia Beach, VA 23451-2040

