For the Record

SWIMMING

XXIV OLYMPIC GAMES
SWIMMING EVENTS
Seoul, South Korea
Sept. 18-25, 1988 (50 M)

w World Record
e European Record
c Commonwealth Record
n National Record

WOMEN

50 FREESTYLE
Championship Finals—Sept. 25
25.49e Kristin Otto, GDR
25.64 Wenyi Yang, CHN
25.71 Katrin Meissner, GDR
25.71 Jill Sterkel, USA
25.78 Leigh Ann Fetter, USA
25.80 Tamara Costache, ROM
25.90 Catherine Plewinski, FRA
26.01 Karen Van Wirdum, AUS
Consolation Finals—Sept. 25
26.17 Marion Aizpors, FRG
26.22 Christiane Pielke, FRG
26.34 Marie-T. Armentero, SUI
26.45 Kristin Topham, CAN
26.45 Ayako Nakano, JPN
26.48 Inna Abramova, URS
26.66 Karin Brienesse, HOL
26.80 Diana van der Plaats, HOL
Prelims—Sept. 25
25.67 Wenyi Yang, CHN
25.77 Katrin Meissner, GDR
25.85 Kristin Otto, GDR
25.91 Leigh Ann Fetter, USA
26.01 Catherine Plewinski, FRA
26.02 Jill Sterkel, USA
26.06 Tamara Costache, ROM
26.12 Karen van Wirdum, AUS
26.20 Marion Aizpors, FRG
26.27 Inna Abramova, URS
26.32 Marie-T. Armentero, SUI
26.33 Christiane Pielke, FRG
26.44 Ayako Nakano, JPN
26.49 Diana van der Plaats, HOL
26.50 Kristin Topham, CAN
26.54 Karin Brienesse, HOL
26.56 Adriana Pereira, BRA
26.56 Luminita Dobrescu, ROM
26.60 Andrea Nugent, CAN
26.61 Gitta Jensen, DEN
26.61 Kaori Sasaki, JPN
26.66 Fujie Xia, CHN
26.67 Helena Aberg, SWE
26.85 Karin Furuhed, SWE
27.14 Alison Sheppard, GBR
27.16 Maria Rivera, MEX
27.17 Annabelle Cripps, GBR
27.27 Karen Dieffenthaller, TRI
27.34 Senda Gharbi, TUN
27.43 Akiko Thomson, PHI
27.44 Monica Resende, BRA
27.45 Patricia Kohlmann, MEX
27.96 Carolina Mauri, CRC
28.02 Young-Hee Han, KOR
28.15 Cee Kay Hung, HKG
28.20 Joo-Li Park, KOR
28.38 Bryndis Ollafsdottir, ISL
28.46 Ana Joselina Fortin, HON
28.55 Cina Munch, FIJ
28.66 Catherine Fogarty, ZIM
28.73 Chi Wang, TPE
28.82 Sabrina Lum, TPE
28.94 Veronica Cummings, GUM
29.01 Angela Birch, FIJ
29.14 Wing Sze Tsang, HKG
29.42 Katerine Moreno, BOL
29.54 Elsa Freire, ANG
29.64 Carolina Araujo, MOZ
29.74 Ana Martins, ANG
30.77 Nancy Khalaf, LIB

100 FREESTYLE
Championship Finals—Sept. 19
54.93 Kristin Otto, GDR
55.47 Yong Zhuang, CHN
55.49 Catherine Plewinski, FRA
55.52 Manuela Stellmach, GDR
55.90 Silvia Poll, CRC
56.15 Karin Brienesse, HOL
56.25 Dara Torres, USA
56.54 Conny van Bentum, HOL
Consolation Finals—Sept. 19
56.48 Natalia Trefilova, URS
56.72 Ayako Nakano, JPN
56.79 Luminita Dobrescu, ROM
56.83 Mitzi Kremer, USA
57.02 Gitta Jensen, DEN
57.04 Karen van Wirdum, AUS
57.07 Svetlana Issakova, URS
57.11 Tamara Costache, ROM
Prelims—Sept. 18
55.53 Catherine Plewinski, FRA
55.80 Kristin Otto, GDR
55.84 Yong Zhuang, CHN
56.14 Manuela Stellmach, GDR
56.16 Silvia Poll, CRC
56.29 Karin Brienesse, HOL
56.37 Dara Torres, USA
56.50 Conny van Bentum, HOL
56.66 Natalia Trefilova, URS
56.67 Luminita Dobrescu, ROM
56.79 Tamara Costache, ROM
56.84 Karen van Wirdum, AUS
56.97 Mitzi Kremer, USA
57.17 Svetlana Issakova, URS
57.28 Gitta Jensen, DEN
57.29 Ayako Nakano, JPN
57.33 Andrea Nugent, CAN
57.35 Marie-T. Armentero, SUI
57.47 Christiane Pielke, FRG
57.55 Jane Kerr, CAN
57.57 Eva Nyberg, SWE
57.76 Susie Baumer, AUS
57.79 Yaping Lou, CHN
57.80 Natacha Hristova, BUL
57.81 Annabelle Cripps, GBR
57.82 Pia Sorensen, DEN
57.97 Karin Furuhed, SWE
58.19 June Croft, GBR
58.22 Jacqueline Delord, FRA
58.22 Silvia Persi, ITA
58.39 Katja Ziliox, FRG
58.40 Kaori Sasaki, JPN
58.51 Senda Gharbi, TUN
58.53 Adriana Pereira, BRA
58.64 Karen Dieffenthaller, TRI
59.05 Patricia Kohlmann, MEX
59.15 Isabelle Vieira, BRA
59.32 Maria Rivera, MEX
59.41 Akiko Thomson, PHI
59.56 Bryndis Ollafsdottir, ISL
1:00.14 Carolina Mauri, CRC
1:00.18 Cee Kay Hung, HKG
1:00.39 Eun-Jung Kim, KOR
1:01.11 Ana Joselina Fortin, HON
1:01.27 Fenella Ng, HKG
1:01.55 Young-Hee Han, KOR
1:01.72 Chi Wang, TPE
1:02.11 Sabrina Lum, TPE
1:02.47 Catherine Fogarty, ZIM
1:02.63 Veronica Cummings, GUM
1:02.91 Angela Birch, FIJ
1:03.06 Cina Munch, FIJ
1:05.11 Carolina Araujo, MOZ
1:05.39 Katerine Moreno, BOL
1:05.47 Elsa Freire, ANG
1:06.73 Nancy Khalaf, LIB
1:08.15 Carla Fernandes, ANG

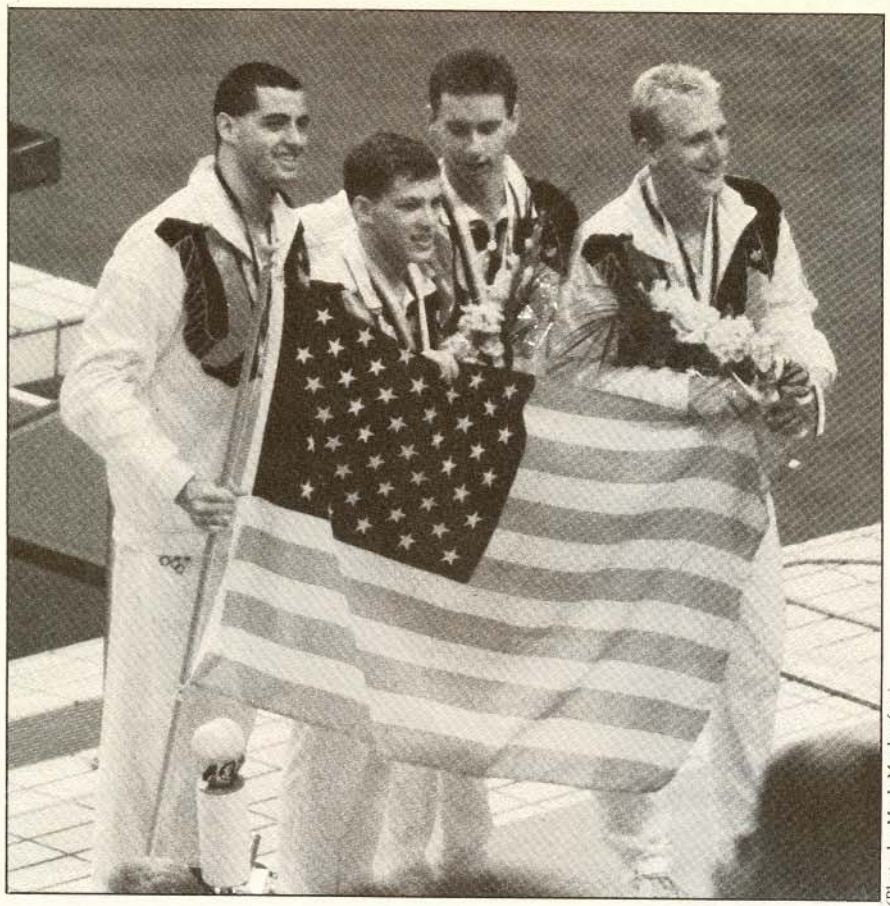
200 FREESTYLE
Championship Finals—Sept. 21
1:57.65o Heike Friedrich, GDR
1:58.67 Silvia Poll, CRC
1:59.01 Manuela Stellmach, GDR
1:59.04 Mary Wayte, USA
1:59.24 Natalia Trefilova, URS
2:00.23 Mitzi Kremer, USA
2:00.73 Stephanie Ortwig, FRG
2:02.88 Cecile Prunier, FRA
Consolation Finals—Sept. 21
2:00.77 Patricia Noall, CAN
2:01.66 Ruth Gilfillan, GBR
2:01.84 Mette Jacobsen, DEN
2:01.98 Luminita Dobrescu, ROM
2:02.30 Stela Pura, ROM
2:02.31 Chikako Nakamori, JPN
2:02.32 Birgit Lohberg-Schulz, FRG
2:14.23 Yong Zhuang, CHN
Prelims—Sept. 20
1:59.02 Heike Friedrich, GDR
1:59.22 Silvia Poll, CRC
1:59.50 Mary Wayte, USA
2:00.30 Manuela Stellmach, GDR
2:00.54 Natalia Trefilova, URS
2:00.66 Stephanie Ortwig, FRG
2:01.45 Mitzi Kremer, USA
2:01.60 Cecile Prunier, FRA
2:01.76 Chikako Nakamori, JPN
2:01.80 Mette Jacobsen, DEN
2:01.93 Luminita Dobrescu, ROM
2:02.11 Ruth Gilfillan, GBR
2:02.26 Stela Pura, ROM
2:02.31 Patricia Noall, CAN
2:02.40 Yong Zhuang, CHN
2:02.77 Birgit Lohberg-Schulz, FRG
2:03.02 Adriana v.d. Plaats, HOL
2:03.32 Isabelle Arnould, BEL
2:03.32 Suzanne Nilsson, SWE
2:03.42 Sheridan Burge-Lopez, AUS
2:03.63 June Croft, GBR
2:04.36 Karin Brienesse, HOL
2:04.40 Silvia Persi, ITA
2:04.71 Annette Jorgensen, DEN
2:04.74 Patricia Amorim, BRA
2:04.82 Susie Baumer, AUS
2:04.85 Huda Abdullah Nurul, MAL
2:04.92 Jane Kerr, CAN
2:06.18 Kaori Sasaki, JPN
2:06.60 Senda Gharbi, TUN
2:07.09 Karen Dieffenthaller, TRI
2:07.11 Bryndis Ollafsdottir, ISL
2:07.44 Ritajean Garay, PUR
2:10.22 Natasha Aguilar, CRC
2:10.36 Patricia Kohlmann, MEX
2:10.43 Fenella Ng, HKG
2:10.85 Eum-Jung Kim, KOR
2:11.50 Hui-Chien Chang, TPE
2:11.53 Joo-Li Park, KOR
2:12.44 Hong Qian, CHN
2:13.44 Catherine Fogarty, ZIM
2:13.61 Cee Kay Hung, HKG
2:16.79 Angela Birch, FIJ
2:18.45 Cina Munch, FIJ

400 FREESTYLE
Championship Finals—Sept. 22
4:03.85w Janet Evans, USA
4:05.94e Heike Friedrich, GDR
4:06.62 Anke Mohring, GDR
4:08.16 Tami Bruce, USA
4:10.64 Janelle Elford, AUS
4:11.73 Isabelle Arnould, BEL
4:13.05 Stephanie Ortwig, FRG
4:13.92 Natalia Trefilova, URS
Consolation Finals—Sept. 22
4:10.21 Sheridan Burge-Lopez, AUS
4:11.88 Noemi Lung, ROM
4:12.14 Stela Pura, ROM
4:13.43 A. Strumenlieva, BUL
4:14.70 Patricia Noall, CAN
4:14.90 Manuela Melchiorri, ITA
4:15.59 Chikako Nakamori, JPN
4:21.03 Cecile Prunier, FRA
Prelims—Sept. 22
4:10.12 Janet Evans, USA
4:10.64 Anke Mohring, GDR
4:10.73 Tami Bruce, USA
4:11.07 Janelle Elford, AUS
4:11.30 Heike Friedrich, GDR
4:11.71 Isabelle Arnould, BEL
4:12.18 Stephanie Ortwig, FRG
4:12.20 Natalia Trefilova, URS
4:12.42 Noemi Lung, ROM
4:12.77 Sheridan Burge-Lopez, AUS
4:13.25 A. Strumenlieva, BUL
4:15.40 Manuela Melchiorri, ITA
4:15.51 Chikako Nakamori, JPN
4:15.63 Cecile Prunier, FRA
4:15.78 Stela Pura, ROM
4:15.90 Patricia Noall, CAN
4:16.22 Irene Dalby, NOR
4:16.66 Ruth Gilfillan, GBR
4:17.30 Tomomi Hosoda, JPN
4:18.06 Eva Mortensen, DEN
4:18.58 Ming Yan, CHN
4:18.67 Alexandra Russ, FRG
4:19.33 Huda Abdullah Nurul, MAL
4:19.64 Patricia Amorim, BRA
4:19.95 Christelle Janssens, BEL
4:20.96 Pernille Jensen, DEN
4:21.98 June Croft, GBR
4:24.84 Ritajean Garay, PUR
4:25.52 Judit Csabai, HUN
4:34.67 Senda Gharbi, TUN

800 FREESTYLE
Championship Finals—Sept. 24
8:20.20o Janet Evans, USA
8:22.09 Astrid Strauss, GDR
8:22.93c Julie McDonald, AUS
8:23.09 Anke Mohring, GDR
8:30.86 Tami Bruce, USA
8:30.94 Janelle Elford, AUS
8:37.47 Isabelle Arnould,
8:41.05 A. Strumenlieva, BUL
Prelims—Spet. 23
8:28.07 Astrid Strauss, GDR
8:28.13 Janet Evans, USA
8:29.68 Julie McDonald, AUS
8:30.95 Anke Mohring, GDR
8:31.57 Tami Bruce, USA
8:32.14 Janelle Elford, AUS
8:34.56 Isabelle Arnould, BEL
8:35.40 A. Strumenlieva, BUL
8:36.24 Debbie Wurzburger, CAN
8:38.33 Irene Dalby, NOR
8:39.55 Tomomi Hosoda, JPN
8:40.63 Manuela Melchiorri, ITA
8:41.64 Karyn Faure, FRA
8:41.95 Stephanie Ortwig, FRG
8:43.19 Natalia Trefilova, URS
8:44.64 Karen Mellor, GBR
8:49.31 Alexandra Russ, FRG
8:50.82 Pernille Jensen, DEN
8:50.84 Huda Abdullah Nurul, MAL
8:51.22 Christelle Janssens, BEL
8:51.95 Patricia Amorim, BRA
8:53.67 Eva Mortensen, DEN
8:56.37 Judit Csabai, HUN
8:57.22 Cecile Prunier, FRA
9:00.04 Tracey Atkin, GBR
9:00.81 Ming Yan, CHN
9:04.62 Ritajean Garay, PUR

100 BACKSTROKE
Championship Finals—Sept. 22
1:00.89 Kristin Otto, GDR
1:01.56 Krisztina Egerszegi, HUN
1:01.57 Cornelia Sirch, GDR
1:02.71 Betsy Mitchell, USA
1:02.78 Beth Barr, USA
1:03.34 Silvia Poll, CRC
1:04.15 Nicole Livingstone, AUS
1:04.19 Marion Aizpors, FRG
Consolation Finals—Sept. 22
1:03.33 Aneta Patrascoiu, ROM
1:03.68 Svenja Schlicht, FRG
1:03.80 Manuela Carosi, ITA
1:03.87 Lori Melien, CAN
1:03.88 Lorenza Vigarani, ITA
1:04.11 Jolanda de Rover, HOL
1:04.17 Sharon Musson, NZL
1:04.27 Katharine Read, GBR
Prelims—Sept. 22
1:01.45 Kristin Otto, GDR
1:01.63 Cornelia Sirch, GDR
1:02.09 Krisztina Egerszegi, HUN
1:02.63 Beth Barr, USA
1:02.85 Betsy Mitchell, USA
1:03.21 Silvia Poll, CRC
1:03.26 Nicole Livingstone, AUS
1:03.27 Marion Aizpors, FRG
1:03.29 Aneta Patrascoiu, ROM
1:03.72 Svenja Schlicht, FRG
1:03.96 Lorenza Vigarani, ITA
1:04.29 Lori Melien, CAN
1:04.39 Jolanda de Rover, HOL
1:04.58 Sharon Musson, NZL
1:04.62 Katharine Read, GBR
1:04.69 Manuela Carosi, ITA
Swim-off: 1:05.05/1:04.62
1:04.69 Karen Lord, AUS
Swim-off: 1:05.05/1:04.75
1:04.75 Sharon Page, GBR
1:04.91 Bistra Gospodinova, BUL
1:05.07 Laurence Guillou, FRA
1:05.07 Eva Gysling, SUI
1:05.10 Johanna Larsson, SWE
1:05.15 Bolin Wang, CHN
1:05.38 Satoko Morishita, JPN
1:05.81 Sylvia Hume, NZL
1:06.14 Tomoko Onogi, JPN
1:06.22 Michelle Smith, IRL
1:06.51 Akiko Thomson, PHI
1:06.73 Aileen Convery, IRL
1:08.33 Ji-Hee Hong, KOR
1:08.58 Ritajean Garay, PUR
1:09.56 Chi Wang, TPE
1:10.10 Ana Joselina Fortin, HON
1:10.37 Tricia Duncan, ISV
1:10.50 Wing Sze Tsang, HKG
1:12.14 Sharon Pickering, FIJ
1:13.48 Angela Birch, FIJ
1:14.42 Katerine Moreno, BOL
1:15.56 Elsa Freire, ANG
1:15.86 Carolina Araujo, MOZ
1:21.58 Carla Fernandes, ANG

200 BACKSTROKE
Championship Finals—Sept. 25
2:09.29eo Krisztina Egerszegi, HUN
2:10.61 Kathrin Zimmermann, GDR
2:11.45 Cornelia Sirch, GDR
2:12.39 Beth Barr, USA
2:13.43 Nicole Livingstone, AUS
2:15.02 Andrea Hayes, USA
2:15.17 Jolanda de Rover, HOL
2:15.94 Svenja Schlicht, FRG
Consolation Finals—Sept. 25
2:15.75 Aneta Patrascoiu, ROM
2:16.06 Sharon Musson, NZL
2:16.68 Li Lin, CHN
2:18.20 Katharine Read, GBR
2:18.69 Lorenza Vigarani, ITA
2:18.78 Karen Lord, AUS
2:18.78 Satoko Morishita, JPN
DQ Johanna Larsson, SWE
Prelims—Sept. 25
2:10.46 Cornelia Sirch, GDR
2:11.01 Krisztina Egerszegi, HUN
2:12.81 Kathrin Zimmermann, GDR
2:13.91 Beth Barr, USA
2:14.77 Andrea Hayes, USA
2:14.81 Nicole Livingstone, AUS
2:16.58 Jolanda de Rover, HOL
2:16.81 Svenja Schlicht, FRG
2:16.94 Karen Lord, AUS
2:17.22 Katharine Read, GBR
2:17.25 Aneta Patrascoiu, ROM
2:17.35 Lorenza Vigarani, ITA
2:17.47 Sharon Musson, NZL
2:18.01 Johanna Larsson, SWE
2:18.11 Li Lin, CHN
2:18.74 Satoko Morishita, JPN
2:19.50 Michelle Smith, IRL
2:19.91 Aileen Convery, IRL
2:20.45 Lori Melien, CAN
2:21.46 Tomoko Onogi, JPN
2:21.55 Sylvia Hume, NZL
2:21.66 Helen Slatter, GBR
2:21.70 Bolin Wang, CHN
2:23.73 Ritajean Garay, PUR
2:24.15 Christine Magnier, FRA
2:24.58 Ji-Hee Hong, KOR
2:24.61 Eva Gysling, SUI
2:26.25 Katja Ziliox, FRG



(Photo by Mark Muckenfuss)

The United States made a clean sweep of the men's relays, setting world records in all three. Biondi, Berkoff, Jacobs and Schroeder (above) won the meet's last event, the medley relay.

2:32.13 Ana Joselina Fortin, HON
2:33.97 Tricia Duncan, ISV
2:36.60 Chi Wang, TPE
2:36.99 Sharon Pickering, FIJ

100 BREASTSTROKE
Championship Finals—Sept. 23
1:07.95o Tania Dangalakova, BUL
1:08.74 Antoaneta Frenkeva, BUL
1:08.83 Silke Horner, GDR
1:08.86c Allison Higson, CAN
1:09.24 Elena Volkova, URS
1:09.60 Tracey McFarlane, USA
1:10.53 Xiaomin Huang, CHN
1:10.67 Annett Rex, GDR
Consolation Finals—Sept. 23
1:10.42 Svetlana Kuzmina, URS
1:10.58 Keltie Duggan, CAN
1:10.86 Ingrid Lempereur, BEL
1:10.95 Manuela Dalla Valle, ITA
1:11.08 Susan Johnson, USA
1:11.24 Gabriella Csepe, HUN
1:11.26 Lara Hooiveld, AUS
1:11.95 Susannah Brownsdon, GBR
Prelims—Sept. 23
1:08.35 Tania Dangalakova, BUL
1:08.35 Silke Horner, GDR
1:09.39 Allison Higson, CAN
1:09.86 Elena Volkova, URS
1:10.09 Antoaneta Frenkeva, BUL
1:10.59 Tracey McFarlane, USA
1:10.61 Annett Rex, GDR
1:10.78 Xiaomin Huang, CHN
1:10.83 Svetlana Kuzmina, URS
1:10.95 Keltie Duggan, CAN
1:11.00 Ingrid Lempereur, BEL
1:11.09 Susan Johnson, USA
1:11.10 Gabriella Csepe, HUN
1:11.25 Manuela Dalla Valle, ITA
1:11.40 Lara Hooiveld, AUS
1:11.66 Susannah Brownsdon, GBR
1:11.84 Linda Moes, HOL
1:12.32 Sung-Won Park, KOR
1:12.38 Dorota Chylak, POL
1:12.67 Margaret Hohmann, GBR
1:12.90 Brigitte Becue, BEL
1:12.98 Britta Dahm, FRG
1:13.01 R. Runnolfsdottir, ISL
1:13.21 Pascaline Louvrier, FRA
1:13.36 Yoshie Nishioka, JPN
1:13.55 Virginie Bojaryn, FRA
1:13.65 Huiling Chen, CHN
1:14.03 Karen Horning, PER
1:14.99 Nancy Arendt, LUX

1:15.00 Patricia Bruelhart, SUI
1:15.41 Kornelia Stawicka, POL
1:15.47 Carwai Seto, TPE
1:15.67 Alicia Boscatto, ARG
1:15.63 Hiroko Nagasaki, JPN
1:16.65 Sigrid Niehaus, CRC
1:18.42 Montserrat Hidalgo, CRC
1:19.60 Valentina Aracil, ARG
1:20.18 Dipika Chanmugam, SRI
1:20.95 Y.F. Kimberly Chen, TPE
1:22.62 Katerine Moreno, BOL
1:24.01 Ana Martins, ANG
1:24.46 Nadia Cruz, ANG

200 BREASTSTROKE
Championship Finals—Sept. 21
2:26.71w Silke Horner, GDR
2:27.49 Xiaomin Huang, CHN
2:28.34 Antoaneta Frenkeva, BUL
2:28.43 Tania Dangalakova, BUL
2:28.54 Julia Bogacheva, URS
2:29.42 Ingrid Lempereur, BEL
2:29.60 Allison Higson, CAN
2:29.86 Manuela Dalla Valle, ITA
Consolation Finals—Sept. 21
2:28.55 Susanne Bornicke, GDR
2:30.03 Svetlana Kuzmina, URS
2:30.83 Linda Moes, HOL
2:31.19 Annalisa Nisiro, ITA
2:32.90 Susan Rapp, USA
2:33.46 Tracey McFarlane, USA
2:33.55 Guylaine Cloutier, CAN
2:34.10 Brigitte Becue, BEL
Prelims—Sept. 20
2:27.63 Silke Horner, GDR
2:28.94 Julia Bogacheva, URS
2:29.57 Antoaneta Frenkeva, BUL
2:29.67 Allison Higson, CAN
2:29.91 Tania Dangalakova, BUL
2:30.03 Xiaomin Huang, CHN
2:30.07 Ingrid Lempereur, BEL
2:30.60 Manuela Dalla Valle, ITA
2:30.71 Susanne Bornicke, GDR
2:30.93 Svetlana Kuzmina, URS
2:31.98 Linda Moes, HOL
2:32.11 Tracey McFarlane, USA
2:32.77 Annalisa Nisiro, ITA
2:33.13 Brigitte Becue, BEL
2:34.21 Susan Rapp, USA
2:34.36 Guylaine Cloutier, CAN
2:35.06 Britta Dahm, FRG
2:35.57 Silvia Parera, ESP
2:35.81 Yoshie Nishioka, JPN
2:36.14 Susannah Brownsdon, GBR

2:36.86 Kornelia Stawicka, POL
2:37.38 Virginie Bojaryn, FRA
2:37.44 Hiroko Nagasaki, JPN
2:37.84 Karen Horning, PER
2:38.49 Pia Sorensen, DEN
2:38.75 Pascaline Louvrier, FRA
2:39.10 R. Runnolfsdottir, ISL
2:39.38 Dorota Chylak, POL
2:39.40 Sung-Won Park, KOR
2:39.97 Lara Hooiveld, AUS
2:40.78 Nancy Arendt, LUX
2:40.80 Anamarija Petricevic, YUG
2:41.12 Helen Frank, GBR
2:41.34 Heike Esser, FRG
2:42.31 Carwai Seto, TPE
2:42.82 Patricia Bruelhart, SUI
2:44.72 Montserrat Hidalgo, CRC
2:45.35 Sigrid Niehaus, CRC
2:45.80 Alicia Boscatto, ARG
2:45.87 Huiling Chen, CHN
2:50.84 Y.F. Kimberly Chen, TPE
2:51.60 Dipika Chanmugam, SRI
DQ Valentina Aracil, ARG

100 BUTTERFLY
Championship Finals—Sept. 23
59.00eo Kristin Otto, GDR
59.45 Birte Weigang, GDR
59.52 Hong Qian, CHN
59.58 Catherine Plewinski, FRA
1:00.48 Janel Jorgensen, USA
1:00.62 Conny van Bentum, HOL
1:00.97 Mary T. Meagher, USA
1:01.15 Xiaohong Wang, CHN
Consolation Finals—Sept. 23
1:01.48 Svetlana Koptchikova, URS
1:01.80 Kiyomi Takahashi, JPN
1:02.45 Jacqueline Delord, FRA
1:02.47 Neviana Miteva, BUL
1:02.51 Fiona Alessandri, AUS
1:02.53 Takayo Kitano, JPN
1:02.63 Gabi Rehaa, FRG
1:02.78 Ilaria Tocchini, ITA
Prelims—Sept. 23
59.34 Catherine Plewinski, FRA
59.97 Birte Weigang, GDR
1:00.40 Kristin Otto, GDR
1:00.66 Hong Qian, CHN
1:00.94 Conny van Bentum, HOL
1:00.97 Janel Jorgensen, USA
1:01.16 Xiaohong Wang, CHN
1:01.48 Mary T. Meagher, USA
1:01.65 Svetlana Koptchikova, URS
1:01.90 Fiona Alessandri, AUS

1:02.01 Neviana Miteva, BUL
1:02.04 Kiyomi Takahashi, JPN
1:02.07 Ilaria Tocchini, ITA
1:02.24 Jacqueline Delord, FRA
1:02.27 Gabi Rehaa, FRG
1:02.35 Takayo Kitano, JPN
1:02.47 Maria L. Fernandez, ESP
1:02.76 Caroline Foot, GBR
1:02.85 Ina Beyermann, FRG
1:02.91 Jane Kerr, CAN
1:03.34 Annabelle Cripps, GBR
1:03.45 Agneta Eriksson, SWE
1:03.69 Andrea Nugent, CAN
1:03.91 Emanuela Viola, ITA
1:03.91 Stela Pura, ROM
1:04.36 Hong-Mi Lee, KOR
1:04.60 Sandra Neves, POR
1:05.02 B. Morales-Massella, GUA
1:05.37 Marlene Bruten, MEX
1:06.14 Soo-Jin Kim, KOR
1:06.94 Cee Kay Hung, HKG
1:07.36 Hui-Chien Chang, TPE
1:07.66 Marcela Cuesta, CRC
1:07.96 Oanh Nguyen Kieu, VIE
1:07.99 Ana Joselina Fortin, HON
1:08.35 Annemarie Munk, HKG
1:10.51 Sharon Pickering, FIJ
1:12.03 Cina Munch, FIJ
1:12.27 Elsa Freire, ANG
1:12.84 Barbara Gayle, GUM

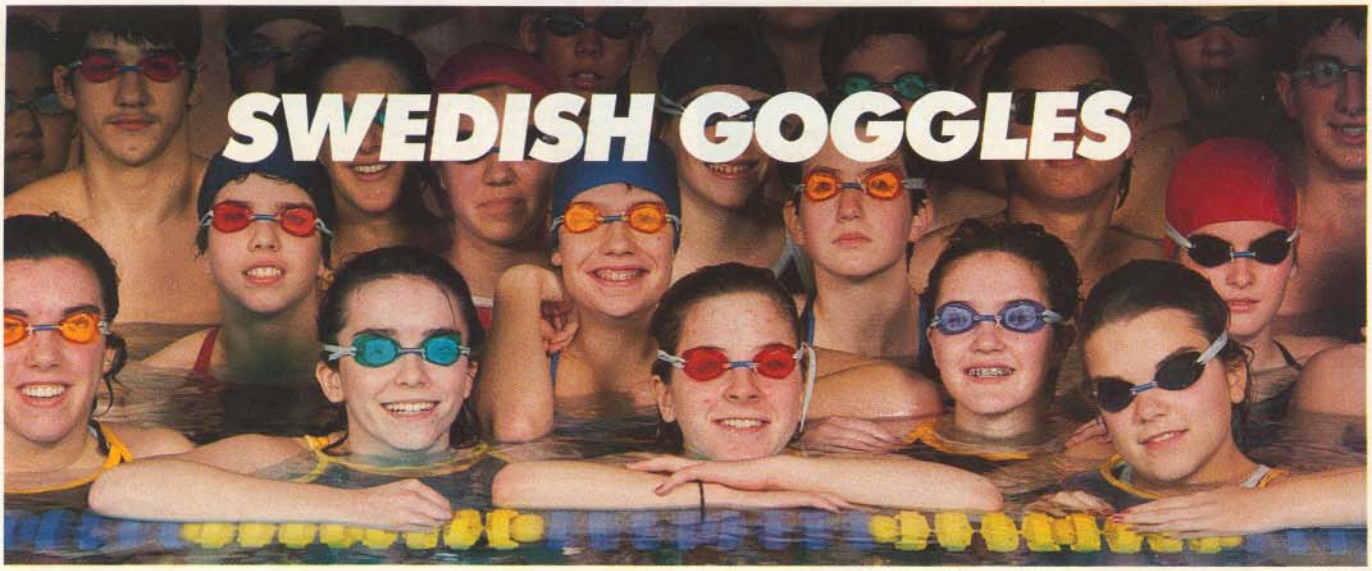
200 BUTTERFLY
Championship Finals—Sept. 25
2:09.51 Kathleen Nord, GDR
2:09.91 Birte Weigang, GDR
2:10.80 Mary T. Meagher, USA
2:11.28 Stela Pura, ROM
2:11.55 Trina Radke, USA
2:11.62 Kiyomi Takahashi, JPN
2:12.34 Xiaohong Wang, CHN
2:13.17 Conny van Bentum, HOL
Consolation Finals—Sept. 25
2:12.66 Mojca Cater, CAN
2:13.74 Ina Beyermann, FRG
2:14.20 Gabi Rehaa, FRG
2:14.43 Svetlana Koptchikova, URS
2:15.60 Mette Jacobsen, DEN
2:15.61 Takayo Kitano, JPN
2:17.11 Helen Bewley, GBR
2:18.66 Lynne Wilson, GBR
Prelims—Sept. 25
2:11.81 Kathleen Nord, GDR
2:11.97 Birte Weigang, GDR
2:12.35 Mary T. Meagher, USA

2:12.41 Conny van Bentum, HOL
2:12.53 Stela Pura, ROM
2:12.68 Kiyomi Takahashi, JPN
2:12.93 Trina Radke, USA
2:13.05 Xiaohong Wang, CHN
2:13.09 Gabi Rehaa, FRG
2:13.21 Mojca Cater, CAN
2:13.56 Ina Beyermann, FRG
2:15.26 Svetlana Koptchikova, URS
2:15.41 Takayo Kitano, JPN
2:15.78 Mette Jacobsen, DEN
2:17.10 Helen Bewley, GBR
2:17.28 Lynne Wilson, GBR
2:18.17 Donna Procter, AUS
2:18.29 Sandra Neves, POR
2:18.44 Neviana Miteva, BUL
2:19.00 Soo-Jin Kim, KOR
2:19.28 B. Morales-Massella, GUA
2:19.56 Wanlan Mo, CHN
2:19.68 Marlene Bruten, MEX
2:20.74 Isabelle Arnould, BEL
2:21.65 Claire Supiot, FRA
2:25.50 Hui-Chien Chang, TPE
2:33.07 Oanh Nguyen Kieu, VIE
DQ Donna McGinnis, CAN

200 INDIVIDUAL MEDLEY
Championship Finals—Sept. 24
2:12.59o Daniela Hunger, GDR
2:13.31 Elena Dendeberova, URS
2:14.85 Noemi Lung, ROM
2:16.31 Jodie Clatworthy, AUS
2:16.40 Marianne Muis, HOL
2:16.70 Aneta Patrascoiu, ROM
2:17.42 Li Lin, CHN
2:17.99 Whitney Hedgepeth, USA
Consolation Finals
2:17.73 Mildred Muis, HOL
2:17.85 Birgit Lohberg-Schulz, FRG
2:19.20 Jean Hill, GBR
2:19.35 Anette Philipsson, SWE
2:19.63 Roberta Felotti, ITA
2:19.63 Anamarija Petricevic, YUG
2:19.91 Julia Bogacheva, URS
2:20.43 Yoshie Nishioka, JPN
Prelims—Sept. 25
2:15.30 Elena Dendeberova, URS
2:15.55 Noemi Lung, ROM
2:16.23 Daniela Hunger, GDR
2:16.60 Marianne Muis, HOL
2:17.09 Li Lin, CHN
2:17.29 Jodie Clatworthy, AUS
2:17.39 Aneta Patrascoiu, ROM
2:17.45 Whitney Hedgepeth, USA

2:17.46 Birgit Schulz-Lohberg, FRG
2:17.57 Jean Hill, GBR
2:18.86 Anette Philipsson, SWE
2:19.07 Julia Bogacheva, URS
2:19.38 Anamarija Petricevic, YUG
2:19.46 Mildred Muis, HOL
2:19.54 Allison Higson, CAN
2:19.62 Roberta Felotti, ITA
2:20.20 Yoshie Nishioka, JPN
2:20.31 Svenja Schlicht, FRG
2:21.79 Donna Procter, AUS
2:21.83 Annette Poulsen, DEN
2:22.20 Silvia Parera, ESP
2:22.59 Hiroyo Harada, JPN
2:22.64 Zara Long, GBR
2:22.65 R. Runnolfsdottir, ISL
2:22.85 Manuela Dalla Valle, ITA
2:25.53 Michelle Smith, IRL
2:26.89 Marlene Bruten, MEX
2:27.72 Carwai Seto, TPE
2:29.61 Patricia Kohlmann, MEX
2:31.53 Valentina Aracil, ARG
2:33.58 Dipika Chanmugam, SRI
2:34.32 Annemarie Munk, HKG
2:35.11 Y.F. Kimberly Chen, TPE
2:35.22 Sharon Pickering, FIJ
2:39.20 Angela Birch, FIJ
DQ Mary Wayte, USA

400 INDIVIDUAL MEDLEY
Championship Finals—Sept. 19
4:37.76n Janet Evans, USA
4:39.46 Noemi Lung, ROM
4:39.76 Daniela Hunger, GDR
4:40.44 Elena Dendeberova, URS
4:41.64 Kathleen Nord, GDR
4:45.86 Jodie Clatworthy, AUS
4:47.05 Li Lin, CHN
4:47.51 Donna Procter, AUS
Consolation Finals—Sept. 19
4:49.53 Roberta Felotti, ITA
4:50.54 Birgit Schulz-Lohberg, FRG
4:51.93 Erika Hansen, USA
4:52.33 A. Strumenlieva, BUL
4:52.77 Anette Philipsson, SWE
4:53.29 Christine Magnier, FRA
4:54.40 Annette Poulsen, DEN
4:55.92 Ming Yan, CHN
Prelims—Sept. 18
4:41.96 Noemi Lung, ROM
4:42.92 Kathleen Nord, GDR
4:43.04 Janet Evans, USA
4:44.26c Jodie Clatworthy, AUS
4:44.85 Daniela Hunger, GDR ►



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4:46.63 Elena Dendeberova, URS
4:47.57 Donna Procter, AUS
4:48.89 Li Lin, CHN
4:49.04 Ming Yan, CHN
4:49.20 Roberta Felotti, ITA
4:50.03 Erika Hansen, USA
4:51.58 A. Strumenlieva, BUL
4:51.91 Christine Magnier, FRA
4:52.05 Birgit Schulz-Lohberg, FRG
4:53.58 Anette Philipsson, SWE
4:54.01 Annette Poulson, DEN
4:54.17 Anamarija Petricevic, YUG
4:54.66 Susannah Brownsdon, GBR
4:55.31 Yoshie Nishioka, JPN
4:56.31 Marianne Muis, HOL
4:56.89 Mildred Muis, HOL
4:58.14 Irene Dalby, NOR
5:00.92 Hiroyo Harada, JPN
5:01.34 Tracey Atkin, GBR
5:01.84 Michelle Smith, IRL
5:03.69 Marlene Bruten, MEX
5:13.20 Hui-Chien Chang, TPE
5:19.17 Valentina Aracil, ARG
5:24.11 Annemarie Munk, HKG
5:28.15 Y.F. Kimberly Chen, TPE

400 MEDLEY RELAY
Championship Finals—Sept. 24
4:03.74o GDR
4:07.90 United States
4:10.49c Canada
4:11.57 Australia
4:12.19 Holland
4:12.36 Bulgaria
4:12.89 West Germany
4:13.85 Italy
Prelims—Sept. 24
4:08.53 GDR
4:10.38 United States
4:11.82 Holland
4:13.19 West Germany
4:14.23 Canada
4:14.32 Australia
4:14.68 Italy
4:15.22 Bulgaria
4:16.18 Great Britain
4:16.21 France
4:17.72 Sweden
4:18.88 Japan
4:21.84 Spain
4:28.90 South Korea
4:31.75 Costa Rica
4:39.49 Taipei
DQ China
DQ Denmark

400 FREESTYLE RELAY
Championship Finals—Sept. 22
3:40.63o GDR
3:43.39 Holland
3:44.25 United States
3:44.69 China
3:44.99 Soviet Union
3:46.75c Canada
3:46.90 West Germany
3:49.25 Denmark
Prelims—Sept. 22
3:43.13 GDR
3:44.12 Holland
3:45.10 United States
3:46.28 Soviet Union
3:46.36 China
3:48.03 West Germany
3:48.83 Denmark
3:49.20 Canada
3:50.50 Sweden
3:50.84 Great Britain
3:56.29 Brazil
3:59.67 Costa Rica
4:03.18 South Korea
4:08.58 Hong Kong
4:09.84 Taipei

MEN

50 FREESTYLE
Championship Finals—Sept. 24
22.14w Matt Biondi, USA
22.36 Tom Jager, USA
22.71 Gennadi Prigoda, URS
22.83 Dano Halsall, SUI
22.84 Stefan Volery, SUI
22.88 Vladimir Tkacenko, URS
23.03 Frank Henter, FRG
23.15 Andrew Baildon, AUS
Consolation Finals—Sept. 24
23.28 Goran Titus, SWE
23.37 Per Johansson, SWE
23.39 Peng Siong Ang, SIN
23.40 Jianqiang Shen, CHN
23.45 Christophe Kalfayan, FRA
23.55 Stephan Guesgen, FRG
23.64 Mark Andrews, CAN
23.65 Hilton Woods, AHO
Prelims—Sept. 24
22.39 Matt Biondi, USA
22.57 Gennadi Prigoda, URS
22.61 Dano Halsall, SUI
22.61 Tom Jager, USA
22.81 Vladimir Tkacenko, URS
22.98 Frank Henter, FRG
22.99 Andrew Baildon, AUS
23.04 Stefan Volery, SUI
23.08 Peng Siong Ang, SIN
23.12 Per Johansson, SWE
23.22 Stephan Caron, FRA
23.22 Stephan Guesgen, FRG
23.41 Tzvetan Golomeev,"BUL
23.41 Jianqiang Shen, CHN
23.44 Mark Andrews, CAN
23.44 Goran Titus, SWE
23.46 Hilton Woods, AHO
23.47 Qiangbiao Feng, CHN
Swim-off: 23.28
23.47 Christophe Kalfayan, FRA
Swim-off: 23.37
23.50 Vagn Hogholm, DEN
23.50 Hans Kroes, HOL
23.51 Mark Foster, GBR
23.53 Petr Kladiva, TCH
23.61 Manuel Guzman, PUR
23.67 Mike Fibbens, GBR
23.70 Peter Rohde, DEN
23.72 Thomas Stachewicz, AUS
23.99 Yves Clausse, LUX
24.01 Rodrigo Gonzalez, MEX
24.02 Paulo Trindade, POR
24.24 Sergio Esteves, POR
24.25 Garvin Ferguson, BAH
24.26 Jose Moreira, BRA
24.26 Joseph Buhain, PHI
24.30 Klai Kam Li, HKG
24.32 Markus Opatril, AUT
24.40 Jorge Fernandes, BRA
24.42 Alexander Pilhatsch, AUT
24.47 Michael Wright, HKG
24.50 Magnus Olafsson, ISL
24.63 Richard Bera, INA
24.64 Mohamed Elazoul, EGY
24.64 Murat Tahir, TUR
24.72 Hans Foerster, ISV
24.86 Urbano Zea, MEX
24.86 Jin Gee Oon, SIN
25.01 Ronald Pickard, ISV
25.11 Mohamed Hassan, EGY
25.15 Paul Yelle, BAR
25.24 Hakan Eskioglu, TUR
25.26 Chi-Li Chiang, TPE
25.29 Vaughan Smith, ZIM
25.38 Graham Thompson, ZIM
25.40 Kwang-Sun Song, KOR
25.55 Wirmandi Sugriat, INA
25.63 Bruno Ndiaye, SEN
25.64 Warren Sorby, FIJ
25.79 Pablo Barahona, HON
25.97 Sergio Faftine, MOZ
26.00 P. Castellanos, HON
26.27 Hasan Alshammari, KUW
26.46 Jason Chute, FIJ
26.60 Michele Piva, SMR
26.60 Ahmad Faraj, UAE
26.88 Trevor Ncala, SWZ
26.96 Filippo Piva, SMR
27.34 Amine El-Domyati, LIB
27.60 Mubarak Farajbilal, UAE
27.93 Yul Mark Du Pont, SWZ
DQ Pedro Lima, ANG
DQ Mouhamedou Diop, SEN

100 FREESTYLE
Championship Finals—Sept. 22
48.63o Matt Biondi, USA
49.08 Chris Jacobs, USA
49.62 Stephan Caron, FRA
49.75 Gennadi Prigoda, URS
50.08 Yuri Bachkatov, URS
50.23 Andrew Baildon, AUS
50.35 Per Johansson, SWE
50.54 Tommy Werner, SWE
Consolation Finals—Sept. 22
50.71 Thomas Stachewicz, AUS
50.73 Sandy Goss, CAN
50.74 Stefan Volery, SUI
51.00 Sven Lodziewski, GDR
51.05 Franz Mortensen, DEN
51.12 Thomas Fahrner, FRG
51.16 Tzvetan Golomeev, BUL
51.25 Hilton Woods, AHO
Prelims—Sept. 22
49.04 Matt Biondi, USA
49.20 Chris Jacobs, USA
49.37 Stephan Caron, FRA
50.08 Yuri Bachkatov, URS
50.13 Gennadi Prigoda, URS
50.22 Per Johansson, SWE
50.34 Andrew Baildon, AUS
50.45 Tommy Werner, SWE
50.73 Steffen Zesner, GDR
50.73 Hilton Woods, AHO
50.74 Franz Mortensen, DEN
50.77 Sven Lodziewski, GDR
50.78 Thomas Fahrner, FRG
50.81 Sandy Goss, CAN
50.82 Tzvetan Golomeev, BUL
50.90 Thomas Stachewicz, AUS
50.96 Stefan Volery, SUI
50.97 Roberto Gleria, ITA
51.02 Torsten Wiegel, FRG
51.05 Christophe Kalfayan, FRA
51.18 Andy Jameson, GBR
51.20 Roland Lee, GBR
51.21 Dano Halsall, SUI
51.25 Manuel Guzman, PUR
51.38 Peter Rohde, DEN
51.39 Petr Kladiva, TCH
51.40 Jianqiang Shen, CHN
51.46 Rodrigo Gonzalez, MEX
51.65 Hans Kroes, HOL
51.79 Patrick Dybiona, HOL
52.01 Magnus Olafsson, ISL
52.08 Shigeo Ogata, JPN
52.23 Jorge Fernandes, BRA
52.26 Jean-Marie Arnould, BEL
52.27 Yves Clausse, LUX
52.33 Ross Anderson, NZL
52.41 E. Nascimento, BRA
52.45 Qiangbiao Feng, CHN
52.52 Carlos Scanavino, URU
52.53 Peng Siong Ang, SIN
52.66 Markus Opatril, AUT
52.77 M.-Richard Bodor, HUN
53.26 Jin Gee Oon, SIN
53.27 Murat Tahir, TUR
53.57 Mostafa Amer, EGY
53.58 Vaughan Smith, ZIM
53.59 Richard Bera, INA
53.62 Garvin Ferguson, BAH
53.64 Michael Wright, HKG
53.70 Khai Kam Li, HKG
53.84 Rene Concepcion, PHI
53.95 Hakan Eskioglu, TUR
54.24 Jonathan Sakovich, GUM
54.29 Hans Foerster, ISV
54.34 Sang-Won Kwon, KOR
54.56 Ignacio Escamilla, MEX
54.63 Kwang-Sun Song, KOR
54.72 Ronald Pickard, ISV
54.93 Mouhamedou Diop, SEN
55.20 Graham Thompson, ZIM
55.35 Paul Yelle, BAR
55.53 Pedro Lima, ANG
55.87 Chi-Li Chiang, TPE
56.11 P. Castellanos, HON
56.44 Hasan Alshammari, KUW
56.66 Warren Sorby, FIJ
57.10 Sergio Faftine, MOZ
57.97 Pablo Barahona, HON
57.99 Michele Piva, SMR
58.14 Jason Chute, FIJ
58.39 Filippo Piva, SMR
58.81 M. Binabid, UAE
59.10 Ahmad Faraj, UAE
59.25 Trevor Ncala, SWZ
1:02.40 Emile Lahoud, LIB
1:02.70 Yul Mark Du Pont, SWZ
DQ Stefan Opatril, AUT

200 FREESTYLE
Championship Finals—Sept. 19
1:47.25w Duncan Armstrong, AUS
1:47.89 Anders Holmertz, SWE
1:47.99 Matt Biondi, USA
1:48.40 Artur Wojdat, POL
1:48.59 Michael Gross, FRG
1:48.77 Steffen Zesner, GDR
1:48.86 Troy Dalbey, USA
1:49.19 Thomas Fahrner, FRG
Consolation Finals—Sept. 19
1:49.28 Roberto Gleria, ITA
1:50.18 Thomas Flemming, GDR
1:50.83 Thomas Stachewicz, AUS
1:51.03 Alexei Kuznetsov, URS
1:51.44 Franz Mortensen, DEN
1:51.63 M. Podkoscielny, POL
1:51.89 Shigeo Ogata, JPN
1:51.99 Paul Howe, GBR
Prelims—Sept. 18
1:48.02 Artur Wojdat, POL
1:48.39 Matt Biondi, USA
1:48.55 Michael Gross, FRG
1:48.86 Duncan Armstrong, AUS
1:48.96 Troy Dalbey, USA
1:49.02 Thomas Fahrner, FRG
1:49.13 Steffen Zesner, GDR
1:49.28 Anders Holmertz, SWE
1:49.51 Roberto Gleria, ITA
1:49.52 Thomas Flemming, GDR
1:49.66 Stephan Caron, FRA
1:50.47 Giorgio Lamberti, ITA
1:50.84 Alexei Kuznetsov, URS
1:50.95 M. Podkoscielny, POL
1:51.02 Thomas Stachewicz, AUS
1:51.14 Shigeo Ogata, JPN
1:51.15 Franz Mortensen, DEN
1:51.22 Paul Howe, GBR
1:51.42 Carlos Scanavino, URU
1:51.45 Alberto Bottini, SUI
1:51.96 Tommy Werner, SWE
1:52.04 Yuri Bachkatov, URS
1:52.34 Cristiano Michelena, BRA
1:52.67 Patrick Dybiona, HOL
1:52.94 Stefan Volery, SUI
1:52.99 Rodrigo Gonzalez, MEX
1:53.03 Michael Green, GBR
1:53.05 Daniel Serra, ESP
1:53.05 Magnus Olafsson, ISL
1:53.16 Julio Lopez, BRA
1:53.61 Jan Larsen, DEN
1:53.63 Ignacio Escamilla, MEX
1:53.73 Jean-Marie Arnould, BEL
1:53.75 Zoltan Szilagyi, HUN
1:53.81 Ludovic Depickere, FRA
1:53.82 Salvador Vassallo, PUR
1:54.72 Norbert Agh, HUN
1:54.90 Yves Clausse, LUX
1:55.04 Jun Xie, CHN
1:55.58 Rene Concepcion, PHI
1:56.11 Alesander Placheta, AUT
1:56.13 Vaughan Smith, ZIM
1:56.44 David Lim, SIN
1:56.84 Joseph Buhain, PHI
1:56.88 Sang-Won Kwon, KOR
1:57.28 Jin Gee Oon, SIN
1:57.50 Mostafa Amer, EGY
1:57.60 Richard Bera, INA
1:57.72 Jonathan Sakovich, GUM
1:57.90 Stephen Cullen, IRL
1:58.10 Arthur Li, HKG
1:58.45 Hakan Eskioglu, TUR
1:58.62 Kuan Seng J. Ong, MAL
1:58.95 Soon-Kun Kwon, KOR
2:00.43 Ming-Hsun Wu, TPE
2:01.02 Yi Ming Tsang, HKG
2:01.73 Richard Gheel, IRL
2:01.94 Hans Foerster, ISV
2:06.45 Kristan Singleton, ISV
2:09.05 Jason Chute, FIJ
2:09.43 M. Binabid, UAE

For the Record

2:13.21 Ahmad Faraj, UAE
2:16.39 Emile Lahoud, LIB

400 FREESTYLE
Championship Finals—Sept. 23
3:46.95w Uwe Dassler, GDR
3:47.15c Duncan Armstrong, AUS
3:47.34 Artur Wojdat, POL
3:48.09 Matt Cetlinski, USA
3:48.59 M. Podkoscielny, POL
3:49.96 Stefan Pfeiffer, FRG
3:50.16 Kevin Boyd, GBR
3:51.04 Anders Holmertz, SWE
Consolation Finals—Sept. 23
3:52.13 Jorg Hoffman, GDR
3:53.24 Walter Kalaus, HUN
3:54.33 Turlough O'Hare, CAN
3:54.36 Carlos Scanavino, URU
3:54.63 Ian Brown, AUS
3:55.34 Dan Jorgensen, USA
3:55.39 Salvador Vassallo, PUR
3:56.00 Zoltan Szilagyi, HUN
Prelims—Sept. 23
3:49.51 M. Podkoscielny, POL
3:49.52 Stefan Pfeiffer, FRG
3:49.68 Artur Wojdat, POL
3:49.90 Uwe Dassler, GDR
3:50.01 Kevin Boyd, GBR
3:50.06 Anders Holmertz, SWE
3:50.64 Duncan Armstrong, AUS
3:50.82 Matt Cetlinski, USA
3:51.09 Ian Brown, AUS
3:51.50 Rainer Henkel, FRG
3:52.64 Dan Jorgensen, USA
3:53.29 Giorgio Lamberti, ITA
3:53.44 Walter Kalaus, HUN
3:53.78 Jorg Hoffman, GDR
3:54.86 Carlos Scanavino, URU
3:55.30 Salvador Vassallo, PUR
3:55.35 Turlough O'Hare, CAN
3:56.29 Zoltan Szilagyi, HUN
3:56.33 Roberto Gleria, ITA
3:56.94 Darjan Petric, YUG
3:57.41 Henrik Jangvall, SWE
3:57.46 Daniel Serra, ESP
3:57.79 Cristiano Michelena, BRA
3:57.91 Tony Day, GBR
3:57.92 Alberto Bottini, SUI
3:57.99 Gary Vandermeulen, CAN
3:58.74 Alexander Bazanov, URS
3:58.90 Igor Majcen, YUG
3:59.91 Jean-Marie Arnould, BEL
4:00.04 Franck Iacono, FRA
4:00.46 Claus Christensen, DEN
4:02.02 Y. Mizumoto, JPN
4:02.48 David Castro, BRA
4:03.16 Ignacio Escamilla, MEX
4:04.02 Carlos Romo, MEX
4:04.57 Kuan Seng J. Ong, MAL
4:05.12 R. Gudomundsson, ISL
4:05.68 Shigeo Ogata, JPN
4:05.81 Wook Yang, KOR
4:06.66 Ming-Hsun Wu, TPE
4:06.89 Jonathan Sakovich, GUM
4:08.02 Soon-Kun Kwon, KOR
4:08.70 Richard Bera, INA
4:15.54 Desmond Koh, SIN
4:18.50 Arthur Li, HKG
4:18.88 Julian Bolling, SRI
4:39.36 Bassam Alansari, UAE
4:47.09 Emile Lahoud, LIB
4:47.28 M. Binabid, UAE

1500 FREESTYLE
Championship Finals—Sept. 25
15:00.40 Vladimir Salnikov, URS
15:02.69 Stefan Pfeiffer, FRG
15:06.15 Uwe Dassler, GDR
15:06.42 Matt Cetlinski, USA
15:14.76 M. Podkoscielny, POL
15:18.19 Rainer Henkel, FRG
15:21.16 Kevin Boyd, GBR
15:37.12 Darjan Petric, YUG
Prelims—Sept. 24
15:07.41 Matt Cetlinski, USA
15:07.83 Vladimir Salnikov, URS
15:07.85 Stefan Pfeiffer, FRG
15:08.91 Uwe Dassler, GDR
15:11.19 M. Podkoscielny, POL
15:14.13 Joerg Hoffmann, GDR
15:14.64 Rainer Henkel, FRG
15:16.99 Darjan Petric, YUG
15:17.56 Kevin Boyd, GBR
15:18.80 Luca Pellegrini, ITA
15:19.36 Michael McKenzie, AUS
15:22.19 C. Marchand, FRA
15:22.66 Franck Iacono, FRA
15:22.85 Jason Plummer, AUS
15:23.01 Walter Kalaus, HUN
15:23.22 Chris Chalmers, CAN
15:24.33 Stefan Persson, SWE
15:29.16 Igor Majcen, YUG
15:30.31 Harry Taylor, CAN
15:36.54 Stefano Battistelli, ITA
15:37.52 Artur Wojdat, POL
15:38.75 Tony Day, GBR
15:39.51 Lars Jorgensen, USA
15:45.96 Dali Wang, CHN
15:47.35 Masashi Kato, JPN
15:50.50 Cristiano Michelena, BRA
15:52.06 Y. Mizumoto, JPN
15:52.80 Norbert Agh, HUN
15:53.67 Kuan Seng J. Ong, MAL
15:56.13 Artur Costa, POR
15:57.54 R. Gudomundsson, ISL
15:57.89 David Castro, BRA
15:59.74 Ming-Hsun Wu, TPE
16:21.10 Wook Yang, KOR
16:26.77 Jonathan Sakovich, GUM

100 BACKSTROKE
Championship Finals—Sept. 24
55.05 Daichi Suzuki, JPN
55.18 David Berkoff, USA
55.20 Igor Polianski, URS
55.37 Sergei Zabolotnov, URS
56.09 Mark Tewksbury, CAN
56.10 Frank Baltrusch, GDR
56.19 Frank Hoffmeister, FRG
56.32 Sean Murphy, CAN
Consolation Finals—Sept. 24
56.66 Dirk Richter, GDR
56.98 Franck Schott, FRA
57.06 Jay Mortenson, USA
57.13 S. Maruyama, JPN
57.17 Gueorgui Mikhalev, BUL
57.72 David Lim, SIN
57.95 Manuel Guzman, PUR
58.20 Edvard Edvardsson, ISL
Prelims—Sept. 24
54.51w David Berkoff, USA
55.04 Igor Polianski, URS
55.90 Daichi Suzuki, JPN
56.13 Sergei Zabolotnov, URS
56.19 Frank Hoffmeister, FRG
56.20 Sean Murphy, CAN
56.20 Mark Tewksbury, CAN
56.45 Frank Baltrusch, GDR
56.52 Dirk Richter, GDR
56.76 Franck Schott, FRA
57.06 Gueorgui Mikhalev, BUL
57.08 Jens-Peter Berndt, FRG
57.19 Jay Mortenson, USA
57.34 David Lim, SIN
57.54 S. Maruyama, JPN
57.62 Manuel Guzman, PUR
57.70 Edvard Edvardsson, ISL
57.74 Laijiu Lin, CHN
57.80 Paul Kingsman, NZL
57.91 Rogerio Romero, BRA
58.01 Lars Sorensen, DEN
58.02 Neil Harper, GBR
58.06 M. Lopez-Zubero, ESP
58.17 Patrick Ferland, SUI
58.25 Neil Cochran, GBR
58.37 Alejandro Alvizuri, PER
58.40 Carl Wilson, AUS
58.65 Tamas Deutsch, HUN
58.82 Stephen Cullen, IRL
58.88 Pavel Vokoun, TCH
58.90 Renaud Boucher, FRA
59.06 Simon Upton, AUS
59.19 Ernesto Vela, MEX
59.24 Helias Malamas, GRE
59.36 Guoxiong Huang, CHN
59.37 Richard Gheel, IRL
59.48 Valerio Giambalvo, ITA
59.76 Wladimir Ribeiro, BRA
1:00.76 Amin Amer, EGY
1:01.25 Dong-Pil Park, KOR
1:01.86 Patrick Sagisi, GUM
1:01.91 Horst Niehaus, CRC
1:01.91 Hor Man Yip, HKG
1:02.95 Brett Halford, ZIM
1:03.11 Eric Greenwood, CRC
1:03.90 Pablo Barahona, HON
1:05.06 Bruno Ndiaye, SEN
1:07.63 Filippo Piva, SMR
1:08.91 Mohamed Abdulla, UAE
1:09.35 Rami Kantari, LIB
1:10.01 M. Binabid, UAE
1:12.50 Yul Mark Du Pont, SWZ

200 BACKSTROKE
Championship Finals—Sept. 22
1:59.37 Igor Polianski, URS
1:59.60 Frank Baltrusch, GDR
2:00.48 Paul Kingsman, NZL
2:00.52 Sergei Zabolotnov, URS
2:01.67 Dirk Richter, GDR
2:01.84 Jens-Peter Berndt, FRG
2:02.26 Dan Veatch, USA
2:02.28 Rogerio Romero, BRA
Consolation Finals—Sept. 22
2:01.65 Frank Hoffmeister, FRG
2:02.95 Steve Bigelow, USA
2:03.70 M. Lopez-Zubero, ESP
2:03.79 Mark Tewksbury, CAN
2:04.24 Gueorgui Mikhalev, BUL
2:04.42 Tamas Deutsch, HUN
2:04.67 Daichi Suzuki, JPN
2:04.90 Gary Binfield, GBR
Prelims—Sept. 22
2:01.27 Sergei Zabolotnov, URS
2:01.49 Frank Baltrusch, GDR
2:01.54 Dirk Richter, GDR
2:01.70 Igor Polianski, URS
2:01.73 Dan Veatch, USA
2:01.77 Jens-Peter Berndt, FRG
2:02.20 Paul Kingsman, NZL
2:02.26 Rogerio Romero, BRA
2:02.71 Gueorgui Mikhalev, BUL
2:03.17 Tamas Deutsch, HUN
2:03.33 M. Lopez-Zubero, ESP
2:03.34 Frank Hoffmeister, FRG
2:03.36 Daichi Suzuki, JPN
2:03.63 Stefano Battistelli, ITA
2:03.64 Steve Bigelow, USA
2:03.79 Gary Binfield, GBR
2:03.81 Sean Murphy, CAN
2:04.02 Mark Tewksbury, CAN
2:04.29 Alejandro Alvizuri, PER
2:04.70 John Davey, GBR
2:04.83 David Holderbach, FRA
2:05.08 Simon Upton, AUS
2:05.08 Ernesto Vela, MEX
2:05.61 Edvard Edvardsson, ISL
2:05.71 Richard Gheel, IRL
2:05.73 Lars Sorensen, DEN
2:06.98 Stephen Cullen, IRL
2:07.24 Pavel Vokoun, TCH
2:07.77 Patrick Ferland, SUI
2:08.28 Laijiu Lin, CHN
2:08.65 David Lin, SIN
2:09.16 S. Maruyama, JPN
2:11.48 Vladimir Ribeiro, BRA
2:12.83 Horst Niehaus, CRC
2:15.42 Eric Greenwood, CRC
2:15.82 Patrick Sagisi, GUM
2:17.84 Brett Halford, ZIM
2:21.61 Pablo Barahona, HON
2:29.64 Mohamed Abdulla, UAE
2:36.21 M. Binabid, UAE
2:40.29 Rami Kantari, LIB
DQ C. Papanikolaou, GRE
DQ Tamas Darnyi, HUN
DQ Dong-Pil Park, KOR

100 BREASTSTROKE
Championship Finals—Sept. 19
1:02.04 Adrian Moorhouse, GBR
1:02.05 Karoly Guttler, HUN
1:02.20 Dmitri Volkov, URS
1:02.38 Victor Davis, CAN
1:02.50 Tamas Debnar, HUN
1:02.55 Richard Schroeder, USA
1:02.93 Gianni Minervini, ITA
1:03.43 Christian Poswiat, GDR
Consolation Finals—Sept. 19
1:03.01 Alexei Matveev, URS
1:03.22 Ronald Dekker, HOL
1:03.40 Mark Warnecke, FRG
1:03.85 Alexander Mayer, FRG
1:03.89 Hironobu Nagahata, JPN
1:04.04 Petri Suominen, FIN
1:04.17 Daniel Watters, USA
1:04.72 Jianhong Chen, CHN
Prelims—Sept. 18
1:02.19 Adrian Moorhouse, GBR
1:02.48 Victor Davis, CAN
1:02.49 Dmitri Volkov, URS
1:02.80 Karoly Guttler, HUN
1:02.86 Gianni Minervini, ITA
1:02.99 Christian Poswiat, GDR
1:03.05 Richard Schroeder, USA
1:03.08 Ronald Dekker, HOL
Swim-off: 1:02.63
1:03.08 Tamas Debnar, HUN
Swim-off: 1:03.68
1:03.25 Alexei Mateev, URS
1:03.54 Alexander Mayer, FRG
1:03.56 Mark Warnecke, FRG
1:03.58 Petri Suominen, FIN
1:04.02 Hironobu Nagahata, JPN
1:04.04 Daniel Watters, USA
1:04.09 Jianhong Chen, CHN
1:04.23 James Parrack, GBR
1:04.35 Kenji Watanabe, JPN
1:04.43 Pablo Restrepo, COL
1:04.46 Raik Hannemann, GDR
1:04.53 Pierre-Yves Eberle, SUI
1:04.56 Ian McAdam, AUS
1:04.56 David Leblanc, FRA
1:04.58 Hsin-Yen Tsai, TPE
1:04.61 Radek Beinhauer, TCH
1:04.68 Joo-Il Yoon, KOR
1:04.71 Etienne Dagon, SUI
1:04.95 Alexander Marcek, TCH
1:04.96 Thomas Boehm, AUT
1:05.02 Fu Jin, CHN
1:05.10 Cameron Grant, CAN
1:05.19 Joaquin Fernandez, ESP
1:05.21 Sidney Appelboom, BEL
1:05.34 Gary O'Toole, IRL
1:05.37 Javier Careaga, MEX
1:05.46 Cedric Penicaud, FRA
1:05.50 Cicero Torteli, BRA
1:05.54 Jan Erick Olsen, NOR
1:05.65 Anthony Beks, NZL
1:05.66 Alexandre Yokochi, POR
1:05.87 Yue Meng Ng, SIN
1:05.92 Eyal Shtigman, ISR
1:06.08 Sergio Lopez, ESP
1:06.22 Wirmandi Sugriat, INA
1:06.24 Luc van de Vondel, BEL
1:06.27 Richard Lockhart, NZL
1:06.30 Nikolaos Fokianos, GRE
1:06.48 Lars Sorensen, DEN
1:06.73 Manuel Gutierrez, PAN
1:06.74 Lee Concepcion, PHI
1:07.93 Arnthor Ragnarsson, ISL
1:08.03 Kam Sing Watt, HKG
1:09.49 Victor Ruderry, BER
1:10.90 Man Quach Hoai, VIE
1:11.68 Kraig Singleton, ISV
1:13.94 Michele Piva, SMR
1:14.40 Amine El-Domyati, LIB
1:14.97 B. M.B. Rahman, BAN
1:16.18 Gaspar Fragata, ANG
1:17.01 Obaid Alrumaithi, UAE
1:17.98 Vivaldo Fernandes, ANG

200 BREASTSTROKE
Championship Finals—Sept. 23
2:13.52e Joszef Szabo, HUN
2:14.12 Nick Gillingham, GBR
2:15.21 Sergio Lopez, ESP
2:15.45 Mike Barrowman, USA
2:16.16 Valeri Lozik, URS
2:16.70 Vadim Alexeev, URS
2:17.10 Jon Cleveland, CAN
2:17.12 Peter Szabo, HUN
Consolation Finals—Sept. 23
2:18.01 Alexandre Yokochi, POR
2:18.03 S. Takahashi, JPN
2:18.08 Sidney Appelboom, BEL
2:18.13 Radek Beinhauer, TCH
2:18.17 Etienne Dagon, SUI
2:18.36 Cameron Grant, CAN
2:18.51 Alexander Marcek, TCH
2:18.95 Cedric Penicaud, FRA
Prelims—Sept. 23
2:14.58 Nick Gillingham, GBR
2:14.97 Jozsef Szabo, HUN
2:15.85 Mike Barrowman, USA
2:16.31 Valeri Lozik, URS
2:16.87 Jon Cleveland, CAN
2:17.06 Sergio Lopez, ESP
2:17.10 Peter Szabo, HUN
2:17.15 Vadim Alexeev, URS
2:17.62 Cameron Grant, CAN
2:17.69 S. Takahashi, JPN
2:17.87 Alexandre Yokochi, POR
2:18.02 Sidney Appleboom, BEL
2:18.02 Radek Beinhauer, TCH
2:18.44 Alexander Marcek, TCH
2:18.51 Adrian Moorhouse, GBR
2:18.68 Etienne Dagon, SUI
2:18.72 Cedric Penicaud, FRA
2:18.93 Gary O'Toole, IRL
2:19.47 Kirk Stackle, USA
2:19.58 Pablo Restrepo, COL
2:19.68 Ian McAdam, AUS
2:19.94 Joo-Il Yoon, KOR
2:20.11 Javier Careaga, MEX
2:20.34 Joaquin Fernandez, ESP
2:20.65 Pierre-Yves Eberle, SUI
2:20.84 Ronald Dekker, HOL
2:20.99 Christian Poswiat, GDR
2:21.50 Luc van de Vondel, BEL
2:22.01 Petri Suominen, FIN
2:22.23 Hiromobu Nagahata, JPN
2:22.55 Mark Varnecke, FRG
2:22.55 Hartmut Wedekind, FRG
2:23.80 Hsin-Yen Tsai, TPE
2:24.15 Thomas Boehm, AUT
2:24.45 Qing Chang, CHN
2:24.52 Richard Lockhart, NZL
2:25.18 Eyal Shtigman, ISR
2:26.05 Fu Jin, CHN
2:26.17 Wirmandi Sugriat, INA
2:26.57 Manuel Gutierrez, PAN
2:26.70 Jan Erick Olsen, NOR
2:27.26 Anthony Beks, NZL
2:27.93 A. Ragnarsson, ISL
2:28.82 Cicero Torteli, BRA
2:28.91 Nikolaos Fokianos, GRE
2:29.62 Lee Concepcion, PHI
2:30.74 Yue Meng Ng, SIN
2:30.78 Kam Sing Watt, HKG
2:36.45 Kraig Singleton, ISV
2:39.69 Nam Quach Hoai, VIE
2:44.34 Amine El-Domyati, LIB
2:50.49 Obaid Alrumaithi, UAE
DQ Christian Toft, DEN
DQ David Leblanc, FRA

100 BUTTERFLY
Championship Finals—Sept. 21
53.00o Anthony Nesty, SUR
53.01 Matt Biondi, USA
53.30c Andy Jameson, GBR
53.33 Jon Sieben, AUS
53.44 Michael Gross, FRG
54.07 Jay Mortenson, USA
54.09 Tom Ponting, CAN
54.60 Vadim Yaroshuk, URS
Consolation Finals—Sept. 21
54.52 Jianqiang Shen, CHN
54.63 Anthony Mosse, NZL
54.77 Benny Nielsen, DEN
54.79 Vlastimil Cerny, CAN
54.80 Rafal Szukala, POL
54.98 Hiroshi Miura, JPN
55.05 Jian Zheng, CHN
55.22 Neil Cochran, GBR
Prelims—Sept. 20
53.34 Andy Jameson, GBR
53.46 Matt Biondi, USA
53.50 Anthony Nesty, SUR
53.78 Michael Gross, FRG
53.85 Jon Sieben, AUS
54.17 Vadim Yaroshuk, URS
54.31 Tom Ponting, CAN
54.44 Jay Mortenson, USA
54.52 Benny Nielsen, DEN
54.63 Anthony Mosse, NZL
54.66 Vlastimil Cerny, CAN
54.69 Jian Zheng,CHN
54.75 Neil Cochran, GBR
54.82 Hiroshi Miura, JPN
54.83 Rafal Szukala, POL
54.86 Jianqiang Shen, CHN
55.20 Martin Herrmann, FRG
55.27 Jose Luis Ballester, ESP
55.38 Frank Drost, HOL
55.54 David Wilson, AUS
55.73 Robert Wolf, TCH
55.83 Leonardo Michelotti, ITA
55.84 Konstantine Petrov, URS
56.19 Yukinori Tanaka, JPN
56.31 Ross Anderson, NZL
56.37 Eduardo Poli, BRA
56.47 Ludovic Depickere, FRA
56.57 Valerio Giambalvo, ITA
56.72 Reinhold Leitner, AUT
56.77 Theophile David, SUI
57.17 Joseph Buhain, PHI
57.25 Vladimir Ribeiro BRA
57.30 M. Albuquerque, POR
57.36 Paul Yelle, BAR
57.41 Peng Siong Ang, SIN
57.56 T. Grimiazakis, GRE
57.62 Paulo Camacho, POR
57.74 Young-Chul Park, KOR
57.84 Yi Ming Tsang, HKG
57.89 Urbano Zea, MEX
58.04 Carlos Romo, MEX
59.21 Pedro Lima, ANG
1:00.13 Graham Thompson, ZIM
1:00.97 Kristan Singleton, ISV
1:01.10 William Cleveland, ISV
1:01.15 Sergio Faftine, MOZ
1:02.69 P. Castellanos, HON
1:03.69 Salam M.A. Salam, BAN
1:06.25 M. Binabid, UAE
1:06.85 Trevor Ncala, SVZ
1:09.60 Jorge Gomes, ANG

200 BUTTERFLY
Championship Finals—Sept. 24
1:56.94o Michael Gross, FRG
1:58.24 Benny Nielsen, DEN
1:58.28 Anthony Mosse, NZL
1:58.91 Tom Ponting, CAN
1:59.19 Melvin Stewart, USA
1:59.20 David Wilson, AUS
1:59.48 Jon Kelly, CAN
2:00.80 Anthony Nesty, SUR
Consolation Finals—Sept. 24
2:00.26 Mark Dean, USA
2:00.32 Tim Jones, GBR
2:00.34 Vadim Yaroshuk, URS
2:01.09 Nick Hodgson, GBR
2:01.46 Christophe Bordeau, FRA
2:01.59 Frank Drost, HOL
2:02.18 Satoshi Takeda, JPN
2:04.28 Martin Roberts, AUS
Prelims—Sept. 24
1:58.09 Michael Gross, FRG
1:58.71 Anthony Mosse, NZL
1:59.02 David Wilson, AUS
1:59.26 Benny Nielsen, DEN
1:59.40 Jon Kelly, CAN
1:59.78 Melvin Stewart, USA
2:00.08 Tom Ponting, CAN
2:00.17 Anthony Nesty, SUR
2:00.32 Martin Roberts, AUS ►

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For the Record

2:00.86 Mark Dean, USA
2:00.99 Frank Drost, HOL
2:01.01 Tim Jones, GBR
2:01.05 Vadim Yaroshuk, URS
2:01.42 Satoshi Takeda, JPN
2:01.44 Nick Hodgson, GBR
2:01.70 Christophe Bordeau, FRA
2:01.91 Rafal Szukala, POL
2:02.18 Reinhold Leitner, AUT
2:02.30 Hiroshi Miura, JPN
2:02.40 Ross Anderson, NZL
2:02.61 Martin Herrmann, FRG
2:02.93 Ondrej Bures, TCH
2:03.01 Jan Larsen, DEN
2:03.32 Jose Luis Ballester, ESP
2:03.76 Jean-Marie Arnould, BEL
2:03.79 Diogo Madeira, POR
2:03.79 Christer Mallin, SWE
2:03.95 Khazansingh Tokas, IND
2:04.74 Joao Santos, POR
2:05.22 Jiang Zhan, CHN
2:05.28 Ahmed Abdalla, EGY
2:05.32 Joseph Buhain, PHI
2:05.58 Theophile David, SUI
2:06.15 Eduardo Poli, BRA
2:08.57 Young-Chul Park, KOR
2:09.40 E. Nascimento, BRA
2:10.86 Desmond Koh, SIN
2:12.89 Sultan Alotaibi, KUW
2:13.19 William Cleveland, ISV
2:19.68 Kristan Singleton, ISV

200 INDIVIDUAL MEDLEY
Championship Finals—Sept. 25
2:00.17w Tamas Darnyi, HUN
2:01.61 Patrick Kuhl, GDR
2:02.40 Vadim Yaroshuk, URS
2:02.92 Mikhail Zubkov, URS
2:03.81 Peter Bermel, FRG
2:04.34 Robert Bruce, AUS
2:04.82 Raik Hannemann, GDR
2:06.35 Gary Anderson, CAN
Consolation Finals—Sept. 25
2:03.05 David Wharton, USA
2:04.17 John Davey, GBR
2:05.44 Neil Cochran, GBR
2:05.51 Christophe Bordeau, FRA
2:05.68 Luca Sacchi, ITA
2:06.61 C. Papanikolaou, GRE
2:06.76 Jens-Peter Berndt, FRG
2:06.82 Bill Stapleton, USA
Prelims—Sept. 25
2:02.15 Tamas Darnyi, HUN
2:02.77 Vadim Yaroshuk, URS
2:03.77 Patrick Kuhl, GDR
2:03.79 Mikhail Zubkov, URS
2:04.00 Gary Anderson, CAN
2:04.03 Raik Hannemann, GDR
2:04.18 Peter Bermel, FRG
2:04.31 Robert Bruce, AUS
2:04.64 David Wharton, USA
2:04.80 Jens-Peter Berndt, FRG
2:04.95 Christophe Bordeau, FRA
2:05.32 Bill Stapleton, USA
2:05.45 Luca Sacchi, ITA
2:05.53 C. Papanikolaou, GRE
2:05.55 John Davey, GBR
2:05.56 Neil Cochran, GBR
2:05.87 Rob Woodhouse, AUS
2:05.88 Roberto Cassio, ITA
2:07.23 Takahiro Fujimoto, JPN
2:07.77 Gary O'Toole, IRL
2:07.84 Darren Ward, CAN
2:08.11 Satoshi Takeda, JPN
2:09.08 Jozsef Szabo, HUN
2:09.38 Javier Careaga, MEX
2:09.52 Rodrigo Gonzalez, MEX
2:09.62 Julio Lopez, BRA
2:10.18 Edvard Edvardsson, ISL
2:10.21 Diogo Madeira, POR
2:10.32 Renato Ramalho, BRA
2:10.37 Rene Concepcion, PHI
2:10.52 Jun Xie, CHN
2:10.52 M. Lopez-Zubero, ESP
2:10.55 Sidney Appleboom, BEL
2:11.57 David Lim, SIN
2:11.88 Jae-Soo Lee, KOR
2:13.48 Sergio Lopez, ESP
2:13.90 Richard Bera, INA
2:13.93 Wirmandi Sugriat, INA
2:14.32 Hakan Eskioglu, TUR
2:14.65 Hor Man Yip, HKG
2:14.77 Desmond Koh, SIN
2:15.63 Sultan Alotaibi, KUW
2:15.64 Eric Greenwood, CRC
2:16.16 Horst Niehaus, CRC
2:16.70 Jonathan Sakovich, GUM
2:16.93 Kraig Singleton, ISV
2:17.06 Graham Thomspon, ZIM
2:17.10 Arthur Li, HKG
2:17.95 Hsin-Yen Tsai, TPE
2:18.07 Vaughan Smith, ZIM
2:18.76 Chi-Li Chiang, TPE
2:20.74 Mouhamedou Diop, SEN
2:29.08 M. Binabid, UAE
2:29.18 Bruno Ndiaye, SEN
2:31.44 Mohamed Abdulla, UAE
2:34.53 Rami Kantari, LIB

400 INDIVIDUAL MEDLEY
Championship Finals—Sept. 21
4:14.75w Tamas Darnyi, HUN
4:17.36 David Wharton, USA
4:18.01 Stefano Battistelli, ITA
4:18.15 Jozsef Szabo, HUN
4:18.44 Patrick Kuhl, GDR
4:21.71 Jens-Peter Berndt, FRG
4:23.23 Luca Sacchi, ITA
4:24.02 Peter Bermel, FRG
Consolation Finals—Sept. 21
4:22.95 Jeff Kostoff, USA
4:23.39 Christophe Bordeau, FRA
4:24.33 Robert Bruce, AUS
4:25.02 Jon Kelly, CAN
4:25.44 Mikhail Zubkov, URS
4:26.14 Rob Woodhouse, AUS
4:26.77 Paul Brew, GBR
4:27.95 C. Papanikolaou, GRE
Prelims—Sept. 20
4:16.55 Tamas Darnyi, HUN
4:18.60 Patrick Kuhl, GDR
4:20.43 Stefano Battistelli, ITA
4:20.84 David Wharton, USA
4:20.85 Jozsef Szabo, HUN
4:20.93 Jens-Peter Berndt, FRG
4:22.78 Peter Bermel, FRG
4:23.37 Luca Sacchi, ITA
4:23.46 Christophe Bordeau, FRA
4:24.10 Jeff Kostoff, USA
4:24.62 Jon Kelly, CAN
4:25.15 Robert Bruce, AUS
4:25.30 Mikhail Zubkov, URS
4:25.60 Rob Woodhouse, AUS
4:26.72 C. Papanikolaou, GRE
4:27.22 Paul Brew, GBR
4:28.11 Yoshiyuki Mizumoto, JPN
4:29.03 Laurent Journet, FRA
4:29.62 Ondrej Bures, TCH
4:30.37 Salvador Vassallo, PUR
4:30.71 Javier Careaga, MEX
4:30.79 Rui Borges, POR
4:31.74 Michael Meldrum, CAN
4:31.95 Renato Ramalho, BRA
4:33.03 Takahiro Fujimoto, JPN
4:35.00 Diogo Madeira, POR
4:35.68 M. Lopez-Zubero, ESP
4:40.46 Jae-Soo Lee, KOR
4:44.78 Jonathan Sakovich, GUM
4:48.00 Rene Concepcion, PHI
4:50.16 Sultan Alotaibi, KUW
4:53.61 Julian Bolling, SRI
DQ John Davey, GBR
DQ Desmond Koh, SIN

400 MEDLEY RELAY
Championship Finals—Sept. 25
3:36.93w United States
3:39.28c Canada
3:39.96e Soviet Union
3:42.98 West Germany
3:44.36 Japan
3:45.85 Australia
3:46.55 Holland
DQ Great Britain
Prelims—Sept. 25
3:43.00 United States
3:44.44 Great Britain
3:44.56 Canada
3:44.72 West Germany
3:45.29 Soviet Union
3:45.65 Holland
3:46.88 Japan
3:47.40 Australia
3:48.09 Switzerland
3:48.64 France
3:48.93 New Zealand
3:49.47 Spain
3:49.90 Czechoslovakia
3:51.97 Denmark
3:52.06 Italy
3:52.24 Hungary
3:52.86 Singapore
3:53.21 Brazil
3:54.18 China
3:54.21 Mexico
3:56.94 Korea
4:05.28 Hong Kong
4:07.71 Greece
4:15.03 Israel
4:28.55 United Arab Emirates

400 FREESTYLE RELAY
Championship Finals—Sept. 23
3:16.53w United States
3:18.33e Soviet Union
3:19.82 GDR
3:20.02 France
3:21.07 Sweden
3:21.65 West Germany
3:21.71 Great Britain
3:22.93 Italy
Prelims—Sept. 23
3:19.52 United States
3:19.89 Soviet Union
3:20.47 GDR
3:21.77 France
3:23.09 Sweden
3:23.19 West Germany
3:23.35 Italy
3:23.71 Great Britain
3:23.85 Canada
3:25.15 Denmark
3:25.26 Holland
3:28.17 Brazil
3:29.72 Mexico
3:33.31 Portugal
3:34.54 Singapore
3:34.78 Hong Kong
3:38.05 Korea
3:43.23 Israel
3:58.92 United Arab Emirates
DQ Austria
DQ China
DQ Egypt

800 FREESTYLE RELAY
Championship Finals—Sept. 21
7:12.51w United States
7:13.68 GDR
7:14.35 West Germany
7:15.23 Australia
7:16.00 Italy
7:19.10 Sweden
7:24.69 France
7:24.91 Canada
Prelims—Sept. 20
7:16.61 GDR
7:18.76 United States
7:19.38 West Germany
7:21.46 Australia
7:21.85 Italy
7:23.03 France
7:23.82 Sweden
7:26.28 Canada
7:29.77 Great Britain
7:32.11 Brazil
7:33.31 Denmark
7:52.93 Korea
8:15.51 Israel
9:01.03 United Arab Emirates
DQ Mexico
DQ Soviet Union

SYNCHRO

XXIV OLYMPICS
Synchronized Swimming
Seoul, South Korea
Sept. 26-Oct. 1, 1988

FIGURES
101.150 Carolyn Waldo, CAN
98.633 Tracie Ruiz-Conforto, USA
98.000 Sarah Josephson, USA
97.367 Karen Josephson, USA
96.683 Michelle Cameron, CAN
94.250 Mikako Kotani, JPN
93.500 Muriel Hermine, FRA
92.250 Karin Larsen, CAN
91.267 Miyako Tanaka, JPN
90.600 Karin Singer, SUI
89.333 Tatiana Titova, URS
89.050 Karine Schuler, FRA
88.733 Nicola Shearn, GBR
88.517 Megumi Ito, JPN
88.133 Anne Capron, FRA
88.000 Mariia Tscherniaeva, URS
87.300 Edith Boss, SUI
87.050 Khristina Falassinidi, URS
85.583 Gerlind Scheller, FRG
84.800 Marie Jacobsson, SWE
84.733 Erika McDavid, BRA
84.733 Sonia Cardenas, MEX
84.533 Lourdes Candini, MEX
84.067 Claudia Peczinka, SUI
83.817 Lian Goodwin, GBR
83.733 Maria Giusty, VEN
83.650 Mijinsu Kim, KOR
83.600 Min Tan, CHN
83.067 Susana Candini, MEX
82.517 Paula Carvalho, BRA
82.117 Eva Riera, BRA
82.000 Heike Friedrich, FRG
81.883 Xi Luo, CHN
81.150 Ying Zhang, CHN
80.750 Soo-Kyung Ha, KOR
80.433 Lisa Lieschke, AUS
80.433 Doris Eisenhofer, FRG
79.150 Jung-Yoon Choi, KOR
78.983 Eva Lopez, ESP
78.850 Semon Rohloff, AUS
78.750 Patricia Serneels, BEL
75.967 Nuria Ayala, ESP
74.266 Yvette Thuis, ARU
74.100 Marta Amoros, ESP
70.483 Roswitha Lopez, ARU

SOLO
Final Standings
200.150 Carolyn Waldo, CAN
197.633 Tracie Ruiz-Conforto, USA
191.850 Mikako Kotani, JPN
190.100 Muriel Hermine, FRA
185.600 Karin Singer, SUI
181.933 Nicola Shearn, GBR
180.650 Khristina Falassinidi, URS
175.983 Gerlind Scheller, FRG
Final Routine
99.000 Tracie Ruiz-Conforto, USA
99.000 Carolyn Waldo, CAN
97.600 Mikako Kotani, JPN
96.600 Muriel Hermine, FRA
95.000 Karin Singer, SUI
93.600 Khristina Falassinidi, URS
93.200 Nicola Shearn, GBR
90.400 Gerlind Scheller, FRG
Prelim Standings
199.350 Carolyn Waldo, CAN
197.033 Tracie Ruiz-Conforto, USA
191.250 Mikako Kotani, JPN
189.100 Muriel Hermine, FRA
185.000 Karin Singer, SUI
181.333 Nicola Shearn, GBR
180.650 Khristina Falassinidi, URS
174.183 Gerlind Scheller, FRG
172.800 Marie Jacobsson, SWE
172.533 Lourdes Candini, MEX
170.750 Ying Zhang, CHN
169.950 Soo-Kyung Ha, KOR
169.333 Maria Giusty, VEN
167.383 Eva Lopez, ESP
166.317 Paula Carvalho, BRA
165.633 Lisa Lieschke, AUS