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1 South American Record   WOMEN   Work Championship Record   WOMEN   100 M FREESTYLE—Aug. 1   Championship Finals   Birgit Melineke, DDR   55.79   Annemarie Verslappen, HOL   55.87   Jilli Sterkel, USA   56.27   Milli Sterkel, USA   56.27   Milli Sterkel, USA   56.28   Caron Melschuk, DDR   55.79   Marty Troible, USA   56.92   Carol Melschuk, DDR   55.79   Marty Troible, USA   55.90   Kathy Troible, USA   55.90   Kathy Troible, USA   55.90   Kathy Troible, USA   55.90   Marty Troible, USA   57.91   Millian Van Velsen, HOL   58.07   Martin Seick, FRG   57.60   Marty Troible, USA   57.90		Julie Daigneaull, CAN 2:05.74
# World Championship Record  WOMEN 100 M FREESTYLE—Aug. 1 Championship Finals Birgit Meineke, DDR 55.79 Annemarie Verslappen, HOL 55.87 Jüli Sterkel, USA 56.27 Karin Seick, FRG 56.689 Caren Meischuk, DDR 56.71 Agnetia Eriksson, SWE 56.89 Caren Meischuk, DDR 56.71 Agnetia Eriksson, SWE 56.90 Kard Yanase, JPN 57.55 Susanne Schuster, FRG 57.66 Carol Klimpel, CAN 57.92 Susanne Schuster, FRG 57.66 Carol Klimpel, CAN 58.97 Wilma Van Velsen, HOL 58.07 Sylvie Boube, FRA 59.83 Ritalia Strounnikova, USSR 56.89 Birgit Meineke, DDR 55.344 Annemarie Verstappen, HOL 56.02 Jill Sterkel, USA 57.00 Kathy Treible, USA 57.00 Caren Metschuk, DDR 57.90 Caren Metschu		Verenique Stephan EBA 2:05.81*
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Kathy Treible, USA 57.02 Caren Metschuk, DDR 57.19 Karin Seick, FRG 57.20 Agneta Eriksson, SWE 57.44 Kaori Yanase, JPN 57.49 Susanne Schuster, FRG 57.54 June Croll, GBR 57.82 Wilma Van Velsen, HOL 57.92 Carlo Klimpel, CAN 58.10 Natalia Strounnikova, USSR 58.49 Isabel Reuss Gerding, MEX 58.51 Sylvie Boube, FRA 58.57 Sylvie Boube, FRA 58.57 Suzi Baumer, AUS 58.58 Virginia Sachero, ARG 58.70† Mark Saito, JPN 59.18 Mika Saito, JPN 59.18 Mika Saito, JPN 59.18 Mika Saito, JPN 59.18 Mark Saito, JPN 59.18 Mika Saito, JPN 59.18 Mark Saito, JPN 59.18 Mika Saito, JPN 59.18 Mika Saito, JPN 59.18 Mika Saito, JPN 59.18 Mika Carlo Kerbauwen, BEL 59.24 Marie-Thereso Armentero, SUI 59.29 Julie Daigneault, CAN 4:22.95 Carlo Lasi, ITA 4:22.98 Marie-Horeso Armentero, SUI 59.29 Julie Daigneault, CAN 4:21.50 Carlo Lasi, ITA 4:22.81 Cheryl McArton, CAN 4:22.95 Carla Lasi, ITA 4:22.98 Armelies Mass, HOL 4:14.80 Annelies Mass, HOL 4:14.80 Annelies Mass, HOL 4:14.80 Annelies Mass, HOL 4:14.80 Julie Daigneault, CAN 4:22.95 Carla Lasi, ITA 4:22.98 Armelies Mass, HOL 4:14.90 Annelies Mass, HOL 4:14.80 Julie Daigneault, CAN 4:22.95 Carla Lasi, ITA 4:22.98 Armelies Mass, HOL 4:14.90 Annelies Mass, HOL 4:14.80 Julie Daigneault, CAN 4:22.95 Carla Lasi, ITA 4:22.98 Armelies Mass, HOL 4:14.80 Annelies Mass, HOL 4:14.80 Julie Daigneault, CAN 4:22.95 Carla Lasi, ITA 4:22.98 Armelies Mark HOL 4:14.90 Annelies Mass, HOL 4:14.80 Julie Daigneault, CAN 4:22.95 Alies Marie Bendilo, VEN 4:22.98 Julie Daigneault, CAN 4:22.95 Annelies Mark HOL 4:12.90 Julie Daigneault, CAN 4:22.95 Annelies Mark HOL 4:14.90 Julie Daigneault, CAN 4:22.95 Alackie Willmott, GBR 4:11.67 Alackie Willmott, GBR 4:11.67 Alackie Milmott, GBR 4:11.67 Alackie	Jili Sterkel, USA 56.89	Suzi Baumer, AUS 4:15.52
Caren Metschuk, DDR 57.19 Karin Seick, FRG 57.20 Agneta Eriksson, SWE 57.44 Kaori Yanase, JPN 57.49 Susanne Schuster, FRG 57.54 June Croll, GBR 57.82 Wilma Van Velsen, HoL 57.92 Carol Klimpel, CAN 58.10 Natalia Strounnikova, USSR 58.49 Isabel Reuss Gerding, MEX 58.51 Sylvie Boube, FRA 58.57 Suzi Baumer, AUS 58.58 Wignia Sachero, ARG 58.70 Maria Barbare, ARG 58.70 Maria Barbarito, ARG 58.70 Maria Ba	Kalhy Treible, USA 57.00	Jackie Willmott, GBR 4-11-67*
Karin Selok, FHG         57.20           Agneta Eriksson, SWE         57.44           Kaori Yanase, JPN         57.49           Susanne Schuster, FRG         57.54           June Croll, GBR         57.54           Wilma Van Velsen, HOL         57.92           Wilma Van Velsen, HOL         57.92           Wilma Van Velsen, HOL         57.92           Zarol Klimpel, CAN         58.10           Natalia Strounnikova, USSR         58.51           Spivle Boube, FRA         58.57           Suzi Baumer, AUS         58.58           Virginia Sachero, ARG         58.70           Naomi Marubashi, CAN         58.78           Marie-Thereso Armentero, SUI         59.18           Pascale Verbauwen, BEL         59.24           Marie-Thereso Armentero, SUI         59.29           Beda Leirvag, NOR         59.38           Silvia Persi, ITA         59.50           Claudia Zierold, SUI         59.81           June Croll, GBR         4:19.63           June Croll, GBR         4:19.63           June Quillera, PUR         59.94           Vilma Aguillera, PUR         59.98           Vilma Aguillera, PUR         59.99           Volfa Arricheva, USS	Caren Metschuk, DDR 57 19	Oloa Troitskaja USSB 4:18.40
Wilma Van Velsen, HOL 57.92 Carol Klimpel, CAN	Karin Spick EBG 57 20	Julie Daigneault, CAN 4:21.23
Wilma Van Velsen, HOL 57.92 Carol Klimpel, CAN	Kaori Yanase, JPN 57 40*	Pascale Verhauwen REI 4:22.31
Wilma Van Velsen, HOL 57.92 Carol Klimpel, CAN	Susanne Schuster, FRG . 57.54	Cheryl McArton, CAN 4:22.95
Natalia Strounnikova, USSR 58.49   Petra Schneider, DDR 4:12.43   Isabel Reuss Gerding, MEX 58.51   Sylvie Boube, FRA 58.51   Sylvie Boube, FRA 58.51   Sylvie Boube, FRA 58.51   Sylvie Boube, FRA 58.51   Suzi Baumer, AUS 58.58   Suzi Baumer, AUS 58.58   Suzi Baumer, AUS 58.58   Suzi Baumer, AUS 58.78   Annelies Mass, HOL 4:14.80   Tiffany Cohen, USA 4:15.55   Suzi Baumer, AUS 4:17.50   Suzi Baume	June Grott, GBR 57.82	
Natalia Strounnikova, USSR 58.49   Petra Schneider, DDR 4:12.43   Isabel Reuss Gerding, MEX 58.51   Sylvie Boube, FRA 58.51   Sylvie Boube, FRA 58.51   Sylvie Boube, FRA 58.51   Sylvie Boube, FRA 58.51   Suzi Baumer, AUS 58.58   Suzi Baumer, AUS 58.58   Suzi Baumer, AUS 58.58   Suzi Baumer, AUS 58.78   Annelies Mass, HOL 4:14.80   Tiffany Cohen, USA 4:15.55   Suzi Baumer, AUS 4:17.50   Suzi Baume	Carol Klimpel CAN	Maria Bendilo, VEN 4:43.24
Isabel Reuss Gerding, MEX   58.51   Solienda Van Der Meer, HOL   4:14.05   Carmela Schmidt, DDR   4:14.52   Carmela Schmidt, DDR   4:14.52   Carmela Schmidt, DDR   4:14.52   Carmela Schmidt, DDR   4:14.52   Carmela Schmidt, DDR   4:14.53   Carmela Schmidt, DDR   4:14.54   Carmela Schmidt, DDR   4:14.54   Carmela Schmidt, DDR   4:17.46   Carmela Schmidt, DDR   4:15.54   Carmela Schmidt, DDR   4:15.55   Carmela Schmidt, DDR	Natalia Strounnikova, USSR 58.49	
Sylvie Boube, FRA         58.57         Carmela Schmidl, DDR         4:14.52           Suzi Baumer, AUS         58.58         Annelies Maas, HOL         4:14.52           Virginia Sachero, ARG         58.78         Ifflany Cohen, USA         4:15.56           Mika Saito, JPN         59.18         Suzi Baumer, AUS         4:17.50           Pascale Verbauwen, BEL         59.24         Marjoeth Linzmeier, USA         4:18.54           Jackie Willmott, GBR         4:18.54         Jackie Willmott, GBR         4:19.63           Slivia Persi, ITA         59.50         Olga Troitskais, URS         4:20.49           Sofia Dara, GRE         4:20.99         Vilma Aguillera, PUR         59.98           Vilma Aguillera, PUR         59.98         Yascale Verbauwen, BEL         4:22.15           Carolla Foot, GRF         1:00.47         Cheryl McArton, CAN         4:22.15           Carolla Foot, GRF         1:00.47         Cheryl McArton, CAN         4:24.11           Frederique Pleaad, FRA         1:00.94         Isabel Reuss Gerdina, MEX         4:32.12	Isabel Reuss Gerding, MEX 58.51	Jolanda Van Der Meer, HOL 4:14.08
Nadom Marubashi, CAN   58.78   Marybeth Linzmeier, USA   4:17.60	Sylvie Boube, FRA58.57	Carmela Schmidt, DDR 4:14.52
Nadom Marubashi, CAN   58.78   Marybeth Linzmeier, USA   4:17.60	Virginia Sachero ARG 58.58	Annelles Maas, HOL 4:14.80
Mika Saito, JPN   Sep. 18	Naomi Marubashi, CAN 58.78	Suzi Baumer, AUS 4:17.46
Pascale Verbauwen, BEL   59.24   Irina Laritcheva, USSR   4:18,19   Marie-Theresa Armentero, SUI   59.29   June Croff, GBR   4:18.54   Beda Leirvag, NOR   59.38   Jackie Willmott, GBR   4:19.63   Claudia Zierold, SUI   59.81   Sofia Dara, GRE   4:20.99   Julie Daigneault, CAN   4:21.56   Vilma Aguilera, PUR   59.98   Pascale Verbauwen, BEL   4:22.71   Sofia Dara, GRE   1:00.02   Carol Ann Heavey, IRL   1:00.47   Cheryl McArlon, CAN   4:23.158   Carol Ann Heavey, IRL   1:00.47   Cheryl McArlon, CAN   4:24.11   Cheryl McArlon, CAN   4:2	Mika Saito, JPN 59.18	Marybeth Linzmeier, USA 4:17.50
Beda Leirvag, NOR         59.38         Jackie Willmott, GBR         4:19.63           Silvia Persi, ITA         59.50         Olga Troitskaia, URS         4:20.99*           Claudia Zierold, SUI         59.81         Sofia Dara, GRE         4:20.99*           Caroline Foot, GBR         59.94         Julie Daigneauli, CAN         4:21.56           Vilma Aguillera, PUR         59.98*         Pascale Verbauwen, BE         4:22.71           Sofia Dara, GRE         1:00.02         Carla Lasi, ITA         4:23.58           Carol Ann Heavey, IRL         1:00.47         Cheryl McArlon, CAN         4:24.11           Frederique Pienad, FRA         1:00.96         Isabel Reuss Gerdino, MEX         4:32.12	Pascale Verbauwen, BEL 59.24	Irina Laritcheva, USSR
Silvia Persi, ITA   59,50   Olga Troitskala, URS   4:20.49	Beda Leirvan, NOR	Jackie Willmolt GRR 4:18.54
Glaudia Zierold, SUI         59,81         Sofia Dara, GRE         4:20,99°           Caroline Foot, GBR         59,94         Julie Daigneault, CAN         4:21,56           Vilma Aguilera, PUR         59,98°         Pascale Verbauwen, BEL         4:22,71           Sofia Dara, GRE         1:00.02         Carla Lasi, ITA         4:23,58           Carol Ann Heavey, IRL         1:00.47         Cheryl McArlon, CAN         4:24,11           Frederique Piepad, FRA         1:00.96         Isabel Reuss Gerdino, MEX         4:32,12	Silvia Persi, ITA	Olga Troitskaja URS 4-20.49
Caroline Foot, GBR         59,94         Julie Daigneault, CAN         4:21.56           Vilma Aguillera, PUR         59,98         Pascale Verbauwen, BE         4:27.57           Sofia Dara, GRE         1:00.02         Carla Lasi, ITA         4:23.58           Carol Ann Heavey, IRL         1:00.47         Cheryl McArlon, CAN         4:24.11           Frederique Pienad, FRA         1:00.96         Isabel Reuss Gerdino, MEX         4:23.12	Claudia Zierold, SUI	Sofia Dara, GRE 4:20.99*
Carol Ann Heavey, IRL 1:00.47 Cheryl McArlon, CAN 4:24.11 Frederique Piecad, FRA 1:00.96 Isabel Reuss Gerding, MEX 4:32.12	Caroline Foot, GBH	Julie Daigneault, CAN 4:21.56
Carol Ann Heavey, IRL 1:00.47 Cheryl McArton, CAN 4:24.11 Frederique Piegad, FRA 1:00.96 Isabel Reuss Gerding, MEX 4:32.12 Anita Hill, PUR 1:01.36 Maria Bendito, VEN 4:37.0 Sandra Crouse, PER 1:01.55 Carol Ann Heavey, IRL 4:38.06	Sofia Dara, GRE 1:00.00	Carla Lasi ITA 4:22.71
Frederique Piegad, FRA 1.00.96 Isabel Reuss Gerding, MEX 4:32.12 Antia Hill, PUR 1:01.36 Maria Bendito, VEN 4:37.70 Sandra Crouse, PER 1:101.55 Carol Ann Heavey, IRL 4:38.06	Carol Ann Heavey, IRL 1:00.47	Cheryl McArlon, CAN . 4:24-11
Anita Hill, PUR 1:01.36 Maria Bendito, VEN 4:37.70 Sandra Crouse, PER 1:01.55 Carol Ann Heavey, IRL 4:38.06	Frederique Piegad, FRA 1:00.96	Isabel Reuss Gerding, MEX 4:32.12
Carol Ann Heavey, IHL. 4:38.06	Anita Hill, PUR 1:01.36	Maria Bendito, VEN4:37.70
	Sanura Grouse, PER 1:01.55	Carol Ann Heavey, IHL. 4:38.06

Sandra Bohorquez, COL Lolita Fuentes, ECU Anita Hill, PUR	4:38.54° 4:41.85° 4:42.01°
800 M FREESTYLE—Aug. 5 Championship Finals	
Championship Final Kim Linehan, USA . Jackie Willmott, GBR Carmela Schmidt, DDR Petra Schneider, DDR Tiffany Cohen, USA . Jolanda Van Der Meer, HOL Olga Troitskala, USSR Ster Bauger AUS	. 8:27 48
Jackie Willmott, GBR	8:32,61*
Carmela Schmidt, DDR	8:33,67
Petra Schneider, DDR	8:36.27
Initiany Conen, USA	8:41 16
Olas Troiteksis USSD	8:48 50
Suzi Baumer, AUS	R-54 61
Prelims	0.04,01
Kim Linehan, USA	8:29,48
Jackie Willmott, GBR	8:38,41
Tiffany Cohen, USA .	8:41.15
Petra Schneider, DDR	8:42.13
Jolanda Van Der Meer, HOL	8:44.56
Carmela Schmidt, DDH	8:45.08
Olga Troitekaja USSB	8:47.47
Annelies Maas, HOI	R:47.71
Ann Linder, SWE	8:47.79
Irina Laritcheva, USSR	.8:51.94
Sofia Dara, GRE	8:55.55*
Carla Lasi, ITA	8:57.36
Pascale Verbauwen, BEL	9:06_11
Julie Daigneault, CAN	9:08.21
Prelims Kim Linehan, USA Jackie Willmotl, GBR Tiffany Cohen, USA. Petra Schneider, DDR Jolanda Van Der Meer, HOL Carmela Schmidt, DDB Suzi Baumer, AUS. Olga Troitskaia, USSR Annelies Maas, HOL Ann Linder, SWE Irina Larlicheva, USSR Sofia Dara, GRE Carla Lasl, ITA Pascale Verbauwen, BEL Julie Daigneault, CAN Cheryl McArton, CAN Loliia Fuentes, ECU	9:09:56
Lonia Fuentes, ECO	3.20.00
100 M BACKSTROKE-Aug.	3
Championship Finals Kristin Otto, DDR Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM Marion Aizpors, FRG Jolanda De Rover, HOL Yolanda Van Der Straten, BEI Compositions Elector	1:01.30#
Ina Kleber, DDR	1:01.47
Sue Walsh, USA	1:02,86
Larissa Gortchakova, USSR	1:02.92
Carmen Bunaciu, HOM	1:03 32
Marion Aizpors, FHG	1:04.77
Volanda Van Der Strateg BEI	1:04.76
Georgina Darkoe ALIC	1:04.35
Libby Kinkead, USA	1:04.41
Manuela Carosi, ITA	1:04.42
Marie-Therese Armentero, SU	11:05 14
Libby Kinkead, USA Manuela Carosi, ITA Marie-Therese Armentero, SU Irina Chtyleva, USSR	1:05.14
Marie-Therese Armentero, SU Irina Chtyleva, USSR Ute Neubert, FRG	1:05.27
Marie-Therese Armentero, SU Irina Chtyleva, USSR Ute Neubert, FRG Cheryl Gibson, CAN Helen, Jameson, GRR	1:05.14* 1:05.27 1:05.30 1:05.42
Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR	1:05.27 1:05.30 1:05.42 1:05.77
Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR	1:05.27 1:05.30 1:05.42 1:05.77
Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR	1:05.27 1:05.30 1:05.42 1:05.77
Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR	1:05.27 1:05.30 1:05.42 1:05.77
Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR	1:05.27 1:05.30 1:05.42 1:05.77
Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR	1:05.27 1:05.30 1:05.42 1:05.77
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Inna Chiyleva, 055H Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR , Prellims Kristin Otto, DDR . Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Iffina Chityleva, OSSH Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR Prellims Kristin Otto, DDR Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM Jolanda De Rover, HOL Yolande Van Der Straten, BEL Marion Aizpors, FRG Manuela Carosi, ITA Libby Kinkead, USA Cheryl Gibson, CAN Ute Neubert, FRG Georgina Parkes, AUS Marie-Therese Armentero, SU Conny Van Bentum, HOL Helen Jameson, GBR Jennifer Campbell, CAN Hisae Asari, JPN Jane Admans, GBR Sandra Barbato, URU. Teresa Figueiras, POR Karin Brandes, PER Shelley Cramer, ISV Jacqueilne Franceschi, PUR Adriana Carbajal, URU Kouldri Sourneya, ALG	1:05.27 1:05.30 1:05.42 1:05.77 1:02.23 1:02.61 1:03.18 1:03.32 1:03.97
Iffina Chityleva, OSSH Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBF, Prellims Kristin Otto, DDR. Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM Jolanda De Rover, HOL Volande Van Der Straten, BEL Marion Aizpors, FRG Manuela Carosi, ITA Libby Kinkead, USA Cheryl Gibson, CAN Ute Neubert, FRG Georgina Parkes, AUS Marie-Therese Armentero, SU Conny Van Bentum, HOL Helen Jameson, GBR Irina Chtyleva, USSR Jennifer Campbell, CAN Hisae Asari, JPN Jane Admans, GBR Sandra Barbato, URU Teress Figueiras, POR Karin Brandes, PER Sandra Barbato, URU Teress Figueiras, POR Karin Brandes, PER Shelley Cramer, ISV Jacqueilne Franceschi, PUR Adriana Carbajal, URU 200 M BACKSTROKE—Aug.	1.95.27 1.95.27 1.95.42 1.95.42 1.92.23 1.92.261 1.93.18 1.93.32 1.94.43 1.94.71 1.94.71 1.94.73 1.94.97 1.95.30 1.95.31 1.95.31 1.95.31 1.95.31 1.95.61 1.96.02 1.96.
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Iffina Chityleva, USSH Ute Neubert, FRG Cheryl Gibson, CAN Helen Jameson, GBR Prellims Kristin Otto, DDR Ina Kleber, DDR Sue Walsh, USA Larissa Gortchakova, USSR Carmen Bunaciu, ROM Jolanda De Rover, HOL Yolande Van Der Straten, BEL Marion Alzpors, FRG Manuela Carosi, ITA Libby Kinkead, USA Cheryl Gibson, CAN Ute Neubert, FRG Georgina Parkes, AUS Marie-Therese Armentero, SU Conny Van Bentum, HOL Helen Jameson, GBR Irina Chtyleva, USSR Jennifer Campbell, CAN Hase Asari, JPN Jane Admans, GBR Sandra Barbato, URU. Teresa Figueiras, POR Karin Brandes, PER Shelley Cramer, ISV. Jacqueline Franceschi, PUR Adriana Carbajal, URU Kouldri Soumeya, ALG 200 M BACKSTROKE—Aug. Champlonship Finals Cornelia Sirch, DDR Georgina Parkes, AUS Carmen Bunaciu, ROM Larissa Gortchakova, USSR Sue Walsh, USA	1.05.27 1.05.30 1.05.42 1.05.77 1.02.23 1.02.261 1.03.18 1.03.18 1.03.32 1.04.43 1.04.73 1.04.43 1.04.73 1.04.81 1.05.76 1.05.561 1.05.61 1.05.61 1.05.66 1.05.66 1.06.62 1.06.67 1.06.67 1.09.91 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.99 1.10.92 1.10.92 1.10.92 1.10.92 1.10.92 1.10.93 1.10
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Jane Admans, GBR Prelims Cornelia Sirch, DDR Sue Walsh, USA Georgina Parkes, AUS Larissa Gortchakova, USSR Carmen Bunaciu, ROM Jolanda De Rover, HOL Kathrin Zimmerman, DDR Tracy Caulkins, USA Marion Aizpors, FRG Cheryl Gibson, CAN Yolanda Van Der Straten, BE Irina Chiyleva, USSR	. 2:21.49
Prelims Corpolia Sirch, DDB	0.10.00
Sue Walsh, USA	2:15.52
Larissa Gortchakova, USSR	2:15.61
Carmen Bunaciu, ROM	2:16.22
Kathrin Zimmerman, DDR.	2:16.48
Tracy Caulkins, USA	2:17.01
Cheryl Gibson, CAN	2:17.92
Yolanda Van Der Straten, BE Irina Chiyleva, USSR Manuela Carosi, ITA Jennifer Campbell, CAN Jane Admans, GBR Conny Van Benlum, HOL Helen Jameson, GBR Hisae Asari, JPN Ula Neubert, FRG Sandra Barbato, URU Karin Brandes, PER Jacqueline Franceschi, PUR.	2:19.66
Manuela Carosi, ITA	2:19.38
Jane Admans, GBR	. 2:21 18
Helen Jameson, GBR	2:21.80
Hisae Asari, JPN	2:23.82
Sandra Barbato, URU	2:24 61*
Karin Brandes, PER Jacqueline Franceschi, PUR	2:27.86*
Teresa Figueiras, POR	2:32.87
Teresa Figueiras, POR .: Kouidri Sourneya, ALG Adriana Carbajal, URU	2:33.67*
100 M BREASTSTROKE-Au	
Championship Finals	4.00.4.0
Championship Final: Ute Geweniger, DDR Anne Ottenbrite, CAN Kim Rhodenbaugh, USA Svettana Varganova, USSR Petra Van Staveren, HOL Hiroko Nagasaki, JPN Slike Horner, DDR Jeannie Childs, USA Consolation Finals Larissa Belokon, USSR	1:09 14#
Kim Rhodenbaugh, USA	1:11.03
Petra Van Staveren, HOL	1:11.64*
Hiroko Nagasaki, JPN Silke Horner, DDR :	1:11.98
Jeannie Childs, USA	1:12.35
Larissa Belokon, USSR	1:10.72
Kathy Bald, CAN Grazyna Dziedzic, POI	1:12.83
Angelika Knipping, FRG	1:13 05
Tania Bogomilova, BUL.	1:13.07
Consolation Finals Larissa Belokon, USSR Kathy Bald, CAN Grazyna Dziedzic, POL Angelika Knipping, FRG Susanne Nielsson, DEN Tania Bogomilova, BUL Simona Brighetti, ITA Manuela Dalla Valle, ITA Prellms	1:13.56
Manuela Dalla Valle, ITA Prellms Ule Geweniger, DDR Anne Ottenbrite, CaN Hiroko Nagasaki, JPN Kim Rhodenbaugh, USA Silike Horner, DDR Petra Van Slaveren, HOL Jeannie Childis, USA Svetlana Varganova, USSR Larissa Belokon, USSR Angelika Knipping, FRG Kathy Bald, CAN Simona Brighetti, ITA Manuela Dalla Valle, ITA Tania Bogomilova, BUL Grazyna Dziedzic, POL Susanne Nielsson, DEN Alicia Boscatlo, ARG. Patricia Brulhari, SUI Susannah Brownsdon, GBR Henar Alonso, ESP Ulrike Bauer, AUT Ilia Willemse, HOL Rickie Binning, AUS Gaynor Stanley, GBR Cristina Peratia, POR Vilma Aguilera, PUR Consuelo Arcila, COL	1.10.00
Anne Ottenbrite, CAN	1:11.36*
Hiroko Nagasaki, JPN	1:11 68*
Silke Horner, DDR	1:11.76
Jeannie Childs, USA	1:12 08
Svetlana Varganova, USSR Larissa Belokon, USSR	1:12 19
Angelika Knipping, FRG	1:12.89
Simona Brighetti, ITA	1:12.91
Manuela Dalla Valle, ITA	1:13.11
Grazyna Dziedzic, POL	1:13.58
Alicia Boscatto, ARG.	1:13.81
Patricia Bruthari, SUI	1:14.12
Henar Alonso, ESP	1:14.29
Ria Willemse, HOL.	1:14 83*
Rickie Binning, AUS	1:16.10
Cristina Peralta, POR	1:18 94
Vilma Aguilera, PUR Consuelo Arcila, COL	1:19.51
200 M BREASTSTROKE-Au	n. 2
Championship Finals Svetlana Varganova, USSR Ute Geweniger, DDR Anne Ottenbrite, CAN	0.00.00
Ute Geweniger, DDR	2:28.62#
Anne Ottenbrite, CAN	2:33.05‡
Hiroko Nagasaki, JPN	2:33 181
Jeannie Childs, USA	2:33.32
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## FOR THE RECORD continued

Petra Zindler, FRG 2:16.72 Sonja Hausladen, AUT 2:16.88*	Canada							
Sonja Hausladen, AU1 2:16.88*		4:14./6	Andreas Schmidt, FRG	51.86	Consolation Finals	in the second	Josef Hladky, TCH	59.03
Chantel Venne, CAN 2:18.06	Cheryl Gibson	1:05.13	Edward Maasdijk, HOL	51.86	Bruco Haves USA	:54.60	Edsard Schlingemann, HOL	59.24
Natalia Pokas, USSR 2:19.35	Anne Otlenbrile Michelle MacPherson	1:10.53	Herwig Bayer, AUT	51.96*	Dainar Montal EDG	:55.18	Francisco Benitez, ESP	59 33
Cheryl McArton, CAN 2:20 47	lengifer Campbell	1:01.37	Stefan Volery, SUI	52.02*	Andrew Astbury, GBR	57.25	Douglas Campbell, GBR	59 34
	Jennifer Campbell	4-15-70	Marcel Gery, TCH	52.06	Djan Madruga, BRA	57.94	Michael Soderlund, SWE	
	West Germany Marion Aiznore	4:15.73	Sergui Smiriaguine, USSR	52.08	John Davey, Gon	:00.38	Zbigniew Januszkiewicz, POL Frederic Delcourt, FRA	59.87
Shelley Gramer, ISV 2.24.20	Marion Aizpors Angelika Knipping	1:12 14	Dano Halsall, SUI Fernando Canales, PUR	52.10	marco Deligonio, IIA	:02.74	Andrew Jameson, GBR	1:00 03
willia van veisen, HOL 2:25.26	Karin Seick	1:01 44	Peng Siong Ang, SIN	52 28 52 56	Graeme Brewer, AUS	:09.77	Pelter Ulvestad, NOR	1:00.07
Sandra Bohorquez, COL 2:25.33*	Susanne Schuster	57.38	Ramon Lavin, ESP	52.58	Juan Carlos Vallejo, ESP 4: Prelims		Paolo Falchini, ITA	1:00.40
Jodie Lawaetz, ISV 2:31.27	Japan	4:16.39	Blair Hicken, CAN	52.64	Vladimir Salnikov, USSR 3:	:52.88	Carlos Henao, COI	1:00 73*
	Hisae Asari	1:06.63	Jorge Fernandes, BRA	52.82		53.55	Roger Birrer, SUI Peter Rohde, DEN	1:01.08
200 M INDIVIDUAL MEDLEY-Aug. 6	Hiroko Nagasaki	1:12.28	Graeme Brewer, AUS	52.94	During Potric VIII	53.76	Peter Rohde, DEN	1:01.49
Championship Finals	Naoko Kume	1:00_44	Alexander Pilhatsch, AUT	52.96	Circulate Company USSH	53.98	Sadri Ožun, TUR	1:01.59
Petra Schneider, DDR 2:11,79#	Kaori Yanase Great Britain	57.04	Nir Shamir, ISA	53.03	Preset Potein VIIIC	:54.72	Shioang Gao, CHN	1-03 OB
Ute Geweniger, DDA 2:13 38	Great Britain	4:17.46	Styetan Golomeev, BUL	53.03	Arma Barnsteam, NOR.	:55.91	Fernando Rodriguez, PER	1:03,09
riacy Gaulkins, USA 2-15 91	Helen Jameson	1:05 91	Philip Hubble, GBR	53.14	George DiCade USA	:56.09	Erik Rosskopi, ISV	1:03,11
illia Gerassimova, USSR 2-17-12	Susannah Brownsdon Ann Osgerby	1:12:31	Mark Taylor, GBR Taihei Saka, JPN	53.27	Poter Samiet CAN	:57.10	Alexander Pilhatsch, AUT	
Polly Winde, USA 2:18.62	June Croft	56.95	Taihei Saka, JPN	53.35	Druce Hayes, USA	57.37	Enrique Conterno, PER	1:03 82
Lisa Curry, AUS 2:18 95 Grazyna Dziedzic, POL 2:20 20 Potra Zindler CDC	Prelims	30.03	Haako Schram Stokke, NOF	3 53.35	Andrew Astoury, Goo	57.78	Herwig Bayer, AUT	DQ
Petra Zindler, FRG 2:20.36	DDR	4:12.81	Levente Mady, CAN Carlos Henao, COL	53.42	Upan madruga, dros	57.92	200 M BACKSTROKE-Aug. 3	
Consolation Finals	USA	4:13.99	Peter Rohde, DEN	53.69		58.60*	Championship Finals	
Manuela Dalla Valle, ITA 2:20 29	Holland	4:16.77	Satoshi Sumida, JPN	53.84	Juan Carlos Varinjo, Lo	59.54*	Bick Carey USA	2-00 R2#
Kalhy Bald, CAN 2:20.74	USSR	4:17.07	Frantz Mortensen, DEN	53.85		:00.03	Sandor Wladar, HUN	2:01.31
Cinzia Savi-Scarponi, ITA 2:21.08	Japan	4:17.23	Guangliang Huang, CHN	54.30	Granma Province AUS	:00.21	Frank Baltrusch, DDR	2:01.51
Irina Chtyleva, USSR 2:21.72	Canada	4:17.61	Paulo Frischknect, POR	54.38	John Davies 200	00.39	Vladimir Shemetov, USSR	2:01,72
Hickie Binning, AUS 2:22 43	West Germany	4:17.96	Fabin Ferrari, ARG	54.56	Codesion Citimatel ITA	:00.69		2:03,00
Katrine Bomstad, NOR 2:22 84	Great Britain	4:19.24	Carlos Scanavind, URU	54.71*	Camaran Honning CAN	00.81	Cameron Henning, CAN	2:03,11
Cheryl Gibson, CAN 2:22 96	Switzerland	4:23.51	I Sadri Ozun, TUR	55 17	Sandor Many MITM	01.32	Serguei Zabolotnov, USSR:	2:03.54
Beda Leirvag, NOR 2:25.07	Italy Australia	4:24.83	Fernando Rodriguez, PER	56.58*	Kalle Ellas CINE	01.83		2:04.38
Prelims Petra Schneider, DDR 2:18.66	Spain		Edham Al-Seif, KUW	57 29*	Marcelo Juca, BHA	03.08	Consolation Finals	0.00.00
Ute Geweniger, DDR 2:18.84	- Branch College Strategy College	4.00.20	Khaled Al-Assal, KUW	58 61	Franck (acono, Fries.	03.15	Frederic Delcourt, FRA Djan Madruga, BRA	
Tracy Caulkins, USA 2:19.24	400 M FREE RELAY-Aug.3		Bernd Grahammer, PER	59,34	Actiumi (vianimuta, 5) 14	04.80	Hideloshi Takahashi, JPN	2:04.42
Polly Winde, USA 2:19.80	Championship Final				Jean Francois, VEN	05.16	Zbigniew Januszkiewicz, POL	
Petra Zindler, FRG 2:20 39	DDR	3:43.97	200 M FREESTYLE—Aug. 1		ciego corroga, Eco	05.45		2:05.73
Irina Gerassimova, USSR 2:20 41	Birgit Meineke	55.63	Championship Fina	ls		05.64	John Davey, GBR	2:05.79
Grazyna Dziedzic, POL 2:20.63	Susanne Link	56.64	Michael Gross, FRG	1:49.84		06.04	Douglas Campbell, GBR	
Lisa Curry, AUS 2:20.87	Kristin Otlo	56 19	Rowdy Gaines, USA	1:49.92	Alajander Laset APG 43	06.68	Ricardo Aldabe, ESP	2:08.41
Kainy Baid, CAN 2:21.15	Caren Metschuk	55.51	Jorg Woithe, DDR Thomas Lejdstrom, SWE	1:50.71	Alegandro Lecot, And 43	08.95	Prelims	
HICKIE Binning, AUS 2:21.87	USA	3:45,76	Thomas Lejdstrom, SWE	1:51.59*	Katsuami Terashita, JPN 4	11:65	Sandor Wladar, HUN	2:01,36#
	Sue Habernigg	57.39	Vladimir Shemelov, USSR	1:51.96	Jose Mario Larrangea PER 4:	15.48*	Rick Carev, USA	2:01.98
Cinzia Savi-Scarponi, ITA 2:22:10	Kathy Treible Beth Washut	55,92	Hans Kroes, HOL	1:52.37	Fahin Forrari ARG	16.66	Frank Ballrusch, DDR	2:02.22
Cheryl Gibson, CAN 2-22 62	Beth Washut	56.71	Borut Petric, YUG	1:52,39	Roberto Dogovo COI 4.	17.90*	Vladimir Shemetov, USSR	2:02.47
Anelte Philipsson SWF 2-22 08	Jill Sterkel	55,74	Alexer Fillnov, USSR	1:52.53	Yocahy Lifshitz, ISR4:	21.47	Steve Barnicoat, USA	2:02.83
Irina Chtyleva, USSR 2:23.33	Holland	3:45.96	Consolation Finals		roomly channe, to		Serguei Zabolotnov, USSR 2	2:03.71
Natrine Bomstad, NOR 2:23.48	Annemarie Verstappen	55.89	Peler Szmidt, CAN	1:52.25	1500 M FREESTYLE-Aug. 6		Cameron Henning, CAN	2:03.89
Beda Leirvag, NOR 2:24.80	Annelies Maas	56.62	Fabrizio Rampazzo, ITA	1:52.32	Observate authin Finals		Ricardo Prado, BRA	2:04 33
Maria Scott, GBR 2:25.61	Wilma Van Velsen	57,37	Alberto Mestre, VEN	1:52.62*		01.77#	Frederic Delcourt, FRA	2:04.40
Takemi Ise, JPN 2:26.01	Conny Van Benlum	56,08	J. Carlos Vallejo, ESP	1:53 12	Suistrelay Campane USSR 103	05.54		2:05.12
Laurence Bensimon, FRA 2:27 28	West Germany	3:50,62	Darjan Petric, YUG	1:53.14				2:05.47
Gaynor Stanley, GBR 2:27.83	Christine Schlaak		Dirk Korthals, FRG Cyro Delgado, BRA	1:53.14	Suga Ladylmurki DDR	16.69	Zbigniew Januszkiewicz, POL 2	2:06_16
Ulrike Bauer, AUT 2:27 94	Ute Neuberl	57.56	Cameron Henning, CAN	1:55.10	Baungy Honkel EBG 1034	21.57	Douglas Campbell, GBR	2:06.23
VIIIIa Aguilera, PUH 2:33.45	Susanne Schuster	57.31	Prelims	1,33 10	Ganzas DiCarlo HSA	23.77	Stefan Peler, FRG	2:06.55
Karin Brandes, PER2:37.21	Marion Aizpors	2:51.35	Michael Gross, FRG	1:49.55	Rafael Cecales CSP	37.88	John Davey, GBR	2:06,61
The same of the sa	Canada Kathy Bald	5.01 22	Jorg Woithe, DDR	1:51 13	max metzker, Aug	53.61	Ricardo Aldabe, ESP Conrado Porta, ARG	2:07 26
400 M INDIVIDUAL MEDLEY-Aug. 1	Michelle MacPherson	58 12	Alexei Filinov, USSR	1:51.61	Prolims 16-1	14.51	Edge of Cablings and 2	2:07.66
Championship Finals	Carol Klimpel	57 38	Rowdy Gaines, USA	1:51.67	A HIROTHIL OSHILIKOA, COO.	20.75	Edsard Schlingemann, HOL 2	2:08.05
Petra Schneider, DDR 4:36_10**	Carol Klimpel Naomi Marubashi	57.70	Vladimir Shemetov, USSR	1:51.89	Rafael Escalas, ESP	22.91	Paolo Falchini, ITA 2 Francisco Benitez, ESP 2	2:08.89
Kathleen Nord, DDR 4:43.51	Japan	3.53.70	Borut Petric, YUG	1:51.97*	Sviatoslav Semenov, USSR 15.2	23.49	Poller Illustrad NOR	2:08 95
Tracy Caulkins, USA 4:44.64	Kaori Yanase	57 44*	Hans Kroes, HOL	1:52 19*	Danjan Petric, YUG	25.28	Petter Ulvestad, NOR 2	2:09 17
Patty Gavin, USA 4:48.22	Chikako Nakamori	59.20	Thomas Lejdstrom, SWE	1:52.49	George Orcano, USA	26.14	Miguel Carrion, ECU 2 Allan Marsh, JAM 2	2.10.04
Lisa Curry, AUS 4:52 23*	Junko Nishiyama	58.98	Dirk Korthals, FRG	1:52.52	Syen Loggiewaki, UUII	29.43	Shinana Goo CHN 2	2:14:09
Petra Zindler, FRG 4:54.61 Grazyna Dziedzic, POL 4:54.66	Mika Saito	58.10	Cyro Delgado, BRA Fabrizio Rampazzo, ITA	1:52,75	Max Metzker, ADS	34.60	Shigang Gao, CHN 2 Enrique Conterno, PER 2	2.15.00
Grazyna Dziedzic, POL 4:54.66	France	3:54.07	Fabrizio Rampazzo, ITA	1:52.87	namer Henker, Frid	38.93	Sadri Ozun, TUR 2	2.13.03
Michelle MacPherson, CAN 4:55 94	Carolle Amoric	58.83	Alberto Mestre, VEN Darjan Petric, YUG	1:53 07*	Bruce Hayes, USA	40.09	Mike West, CAN	00
Consolation Finals	Sylvie Boube	57.92	Darjan Petric, YUG	1:53 16	marcelo Juca, bnA			
Anetle Philipsson, SWE 4:57.18	Laurence Bensimon	- 58.38	Peter Szmidt CAN	1.52.00		46.58*	WIRE West, CAN	DQ
Katrine Bomstad, NOR 4:59.13	Veronique Stephan			1.00.22	Carros Scanavina, Orro	46.58* 47.11		
Irina Chtyleva, USSR 4:59 18		58.94	J. Carlos Vallejo, ESP	1:53.28	Peter Szmidt, CAN		100 M BREASTSTROKE-Aug.	
	USSR	58.94	J. Carlos Vallejo, ESP Cameron Henning, CAN	1:53.28	Peter Szmidt, CAN 15.4 Alejandro Lecot, ARG 15.5	47.11	100 M BREASTSTROKE—Aug. Championship Finals	1
Maria Scott, GBR 4:59 66	USSR	58.94 DQ	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swim-off: 2:08.38)	1:53.28 1:53.35	Peter Szmidt, CAN 15-4 Alejandro Lecot, ARG 15-5 Andrea Calabria, ITA 15-5	47.11 50.53	100 M BREASTSTROKE—Aug. Championship Finals Sleve Lundquist, USA	1:02.75#
Hoberla Felotti, ITA 4:59.73	Prelims Holland	58 94 DQ 3:47 53*	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swim-off: 2:08,38) Graeme Brewer, AUS	1:53 28 1:53 35	Peter Szmidt, CAN 15-4 Alejandro Lecot, ARG 15-5 Andrea Calabria, ITA 15-5 Tim Ford, AUS 15-5	47.11 50.53 50.77	100 M BREASTSTROKE—Aug, Championship Finals Sleve Lundquist, USA 1 Victor Davis, CAN 1	1 1:02,75# 1:02,82‡
Rickie Binning, AUS 5:01.80	Prelims Holland DDA	58 94 DQ 3:47 53* 3:48 84	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swim-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA	1:53 28 1:53 35 1:53 35 1:53 40	Poter Szmidt, CAN 15-5 Poter Szmidt, CAN 15-5 Alejandro Lecot, ARG 15-5 Andrea Calabria, ITA 15-5 Tim Ford, AUS 15-5 Katlo Elias, SWE 15-5 Rose Martine, BRA 15-5	47.11 50.53 50.77 55.10 55.24 58.12	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1	1 1:02.75# 1:02.82‡ 1:03.13 1:03.15*
Rickie Binning, AUS 5:01.60 Sonja Hausladen, AUT 5:05.11	USSR Prelims Holland DDR USA	3:47 53* 3:48 84 3:49 31	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swim-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64	Poter Szmidt, CAN 15.5 Alejandro Lecot, ARG 15.5 Andrea Catabra, ITA 15.5 Tim Ford, AUS 15.5 Kalle Elias, SWE 15.5 Rojer Madruga, BRA 15.5	47.11 50.53 50.77 55.10 55.24 58.12 01.24	100 M BREASTSTROKE—Aug. Championship Finals Sleve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peter Evans. AUS 1	1 1:02.75# 1:02.82‡ 1:03.13 1:03.15*
Roberta Felotti, ITA	Prelims Holland DDR USA Canada	3:47 53* 3:48 84 3:49 31 3:51 81	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swim-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR	1:53 28 1:53 35 1:53 35 1:53 40 1:53 64 1:54 32	Peter Szmidt, CAN 15-5 Alejandro Lecol, ARG 15-5 Andrea Calabria, ITA 15-5 Tim Ford, AUS 15-5 Kalle Elias, SWE 15-5 Rojer Madruga, BRA 16-5 Franck Jacons, FRA 16-5 Brus Rever CAN 16-0	47.11 50.53 50.77 55.10 55.24 58.12 01.24 03.72	100 M BREASTSTROKE—Aug. Championship Finals Sleve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peter Evans. AUS 1	1 1:02.75# 1:02.82‡ 1:03.13 1:03.15*
Roberta Felotti, ITA 4:59,73  Rickle Binning, AUS 5:01.60  Sonja Hausladen, AUT 5:05:11*  Jane Admans, GBR 5:07.75  Pelims  Petra Schneider, DDR 4:43.15	Prelims Holland DDR USA Canada USSR	58 94 DQ 3:47 53* 3:48 84 3:49 31 3:51 81 3:52 07	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swim-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL	1:53 28 1:53 35 1:53 35 1:53 40 1:53 64 1:54 32 1:54 41	Cantos Scanarini, 154 Peter Szmidt, CAN 155 Alejandro Lecol, ARG 155 Andrea Calabria, 174 Tim Ford, AUS 155 Kallo Elias, SWE 155 Rojer Madruga, BRA 156 Franck Lacono, FRA 166 Bruce Berger, CAN 150 Diego Quitoga, ECU 166	47.11 50.53 50.77 55.10 55.24 58.12 01.24 03.72 03.77	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yuriy Kis, USSR 1 Pablo Resirepo, COL 1	1 1:02.75# 1:02.82‡ 1:03.13 1:03.15* 1:03.89 1:03.92 1:03.92†
Roberta Felotti, ITA 4:59,73  Rickle Binning, AUS 5:01.60  Sonja Hausladen, AUT 5:05:11*  Jane Admans, GBR 5:07.75  Pelims  Petra Schneider, DDR 4:43.15	Prelims Holland DDR USA Canada USSR West Germany	58.94 DQ 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swim-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francois, VEN	1:53 28 1:53 35 1:53 35 1:53 40 1:53 64 1:54 32 1:54 41	Carlos Scianarini, V. 154 Peter Szmidt, CAN 155 Alejandro Lecol, ARG 155 Andrea Calabria, ITA Tim Ford, AUS 155 Kallo Elias, SWE 155 Roje Madruga, BRA 155 Rruce Berger, CAN 160 Bruce Berger, CAN 160 Cess Jan Winkel, HOL 160	47.11 50.53 50.77 55.10 55.24 58.12 01.24 03.72 03.77 05.43	100 M BREASTSTROKE—Aug. Championship Finals Sleve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 Yuriy Kis, USSR 1 Pablo Resirepo, COL 1 Peter Lang, FRG 1	1 1:02.75# 1:02.82‡ 1:03.13 1:03.15* 1:03.89 1:03.92 1:03.92†
HODErla Felotti, ITA 4:59,73 Rickie Binning, AUS 5:01,80 Sonja Haustaden, AUT 5:05.11* Jane Admans, GBR 5:07.75 Prelims Petra Schneider, DDR 4:43.15 Tracy Caulkins, USA 4:47.63 Kathleen Nord, DDR 4:49,45	Prelims Holland DDR USA Canada USSR West Germany	58.94 DQ 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swim-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francois, VEN	1:53 28 1:53 35 1:53 35 1:53 40 1:53 64 1:54 32 1:54 41	Cambridi, CAN 15.5 Peter Szmidt, CAN 15.5 Alejandro Lecol, ARG 15.5 Tim Ford, AUS 15.5 Kallo Elias, SWE 15.5 Rojer Madruga, BRA 16.0 Pruce Berger, CAN 16.0 Diego Quiroga, ECU 16.0 Cees Jan Winkel, HOL 10.0 Dose Marte Larranega PER 16.2 Jose Marte Larranega PER 16.2	47.11 50.53 50.77 55.10 55.24 58.12 01.24 03.72 03.72 03.77 05.43	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yuriy Kis, USSR 1 Pablo Restrepo, COL 1 Peler Lang, FRG 1 Consolation Finals	1 1:02.75# 1:02.82‡ 1:03.13 1:03.15* 1:03.89 1:03.92 1:03.92† 1:04.72
HODERIA Felotti, ITA 4:59,73 Rickie Binning, AUS 5:01.60 Sonja Haustaden, AUT 5:05.11* Jane Admans, GBR 5:07.75 Prelims Petra Schneider, DDR 4:43.15 Tracy Caulkins, USA 4:47.63 Kathleen Nord, DDR 4:49.45 Patly Gavin, USA 4:50.61	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France	58.94 DQ 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26* 3:54.26*	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swirn-olf: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veerwoorn, HOL Jean Francons, VEN Talhei Saka, JPN Styetan Golomeev, BUL	1:53 28 1:53 35 1:53 35 1:53 40 1:53 64 1:54 32 1:54 41 1:54 60 1:54 75	Caninos Scanarini, O. 15.4 Peter Szmidt, CAN 15.5 Alajandro Lecol, ARG 45.5 Andrea Calabria, ITA Tim Ford, AUS 15.5 Kallo Elias, SWE 15.5 Rojor Madruga, BRA 15.5 Franck Iacono, FRA 16.0 Bruce Berger, CAN 16.0 Cees Jan Winkol, HOL 10. Jose Marte Larranega, PER 10. Jose Marte Larranega	47.11 50.53 50.77 55.10 55.24 58.12 01.24 03.77 03.77 05.43 20.21	100 M BREASTSTROKE—Aug. Championship Finals Sleve Lundquist, USA. 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yuriy Kis, USSR 1 Pablo Resirepo, COL 1 Peler Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 5	1:02.75# ::02.82‡ ::03.13 ::03.15* ::03.89 ::03.92 ::03.92† ::04.72
HODERIA Felotti, ITA   4:59,73   Rickle Binning, AUS   5:01,80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Patty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britlain	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26* 3:54.90 3:55.43	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swirn-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veerwoorn, HOL Jean Francoris, VEN Taihei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanayind, URU	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64 1:54.32 1:54.41 1:54.60 1:54.72 1:54.75	Cambrid, CAN 154 Algiandro Lecol, ARG 454 Andrea Calabria, ITA 155 Tim Ford, AUS 155 Kalle Elias, SWE 155 Rojer Madruga, BRA 155 Franck Lacon, FRA 166 Bruce Berger, CAN 150 Diego Quiroga, ECU 166 Cees Jan Winkol, HOL 100 Does Marie Larranega, PER 152 David Stacey, GBR 152	47.11 50.53 50.77 55.10 55.24 58.12 01.24 03.72 03.77 05.43 20.21* 22.31	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 6 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yuriy Kis, USSR 1 Pablo Restrepo, COL 1 Peler Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1	1 1:02.75# 1:02.82‡ 1:03.13 1:03.15* 1:03.89 1:03.92 1:04.72 1:04.39 1:04.94
HODERIA Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.60   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:31.5   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Fatty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   USA Curry, AUS   4:53.73*	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26* 3:54.90 3:55.43 3:57.58	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swirn-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veerwoorn, HOL Jean Francoris, VEN Taihei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanayind, URU	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64 1:54.32 1:54.41 1:54.60 1:54.72 1:54.75	Canina Scanarini, 154 Algiandro Lecol, ARG 455 Andrea Calabria, 174 Tim Ford, AUS 55 Rojer Madruga, BRA 155 Franck Lacon, FRA 160 Bruce Berger, CAN 160 Diego Quiroga, ECU 160 Jose Marte Larranega, PER 162 David Stacey, GBR 162 Cavi Stacey, GBR 162 Coult Search 166 Constant Carrier Search 167 Ces Jan Wirkol, HOL 188 David Stacey, GBR 162 Cavi Cavery, GBR 162 Cavery,	47.11 50.53 50.77 55.10 55.24 58.12 90.1.24 03.72 03.77 05.43 20.21 22.31 23.93 38.99 38.69	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 6 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 Yuriy Kis, USSR 1 Pablo Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Bortos, FRA 1	1:02.75# ::02.82‡ ::03.13 ::03.15* ::03.89 ::03.92† ::04.72 ::04.39 ::04.94 ::05.18
Hoberla Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.60   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Fracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Patty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.73   Lisa Curry, AUS   4:53.73   Cirazyna Dziedzic, POL   4:53.90	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britlain	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26* 3:54.90 3:55.43 3:57.58	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swirn-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francoris, VEN Taihei Saka, JPN Stivatan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64 1:54.32 1:54.41 1:54.60 1:54.72 1:54.72 1:55.75 1:55.81	Cantos Scanarini, O. 154 Alejandro Lecol, ARG 455 Andrea Calabria, ITa 155 Tim Ford, AUS 155 Kalle Elias, SWE 155 Kalle Elias, SWE 155 Rojer Madruga, BRA 155 Bruce Berger, CAN 150 Diego Quilcoga, ECU 156 Cees Jan Winkel, HOL 100 Deen Guilcoga, ECU 156 David Stacey, GBR 152 David Stacey, GBR 152 Scott Newkirk, ISV 155 Scott Newkirk, ISV 155	47.11 50.53 50.77 55.10 55.24 58.12 90.1.24 03.72 03.77 05.43 20.21 22.31 23.93 38.99 38.69	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 6 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 Yuriy Kis, USSR 1 Pablo Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Bortos, FRA 1	1:02.75# ::02.82‡ ::03.13 ::03.15* ::03.89 ::03.92† ::04.72 ::04.39 ::04.94 ::05.18
Hoberta Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Perlims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Fatty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   Lisa Curry, AUS   4:53.73   Grazyna Dziedzic, POL   4:53.90   Seltz Zinder, FRG   4:54.18   Electronic Canada   4:54.18   Electronic Canada   4:59.40   El	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26* 3:54.90 3:55.43 3:57.58	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swirn-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francoris, VEN Taihei Saka, JPN Stivatan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64 1:54.32 1:54.41 1:54.60 1:54.72 1:54.72 1:55.75 1:55.81	Canina Scanarini, 154 Algiandro Lecol, ARG 455 Andrea Calabria, 174 Tim Ford, AUS 55 Rojer Madruga, BRA 155 Franck Lacon, FRA 160 Bruce Berger, CAN 160 Diego Quiroga, ECU 160 Jose Marte Larranega, PER 162 David Stacey, GBR 162 Cavi Stacey, GBR 162 Coult Search 166 Constant Carrier Search 167 Ces Jan Wirkol, HOL 188 David Stacey, GBR 162 Cavi Cavery, GBR 162 Cavery,	47.11 50.53 50.77 55.10 55.24 58.12 90.1.24 03.72 03.77 05.43 20.21 22.31 23.93 38.99 38.69	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 6 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 Yuriy Kis, USSR 1 Pablo Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Bortos, FRA 1	1:02.75# ::02.82‡ ::03.13 ::03.15* ::03.89 ::03.92† ::04.72 ::04.39 ::04.94 ::05.18
Hoberla Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.60   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Patly Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.73   Grazyna Dziedzic, POL   4:53.90   Petra Zindfer, FRG   4:54.18   Rickie Binning, AUS   4:54.67	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26* 3:54.90 3:55.43 3:57.58	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernandes Canales, PUR Kees Veerwoorn, HOL Jean Francons, VEN Talhei Saka, JPN Stvetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64 1:54.32 1:54.41 1:54.60 1:54.72 1:54.75 1:55.75 1:55.75 1:55.93 1:56.05	Peter Szmidt, GAN Alajandro Lecol, ARG Alajandro Lecol, ARG Andrea Calabria, ITA Tim Ford, AUS Kallo Elias, SWE Rojer Madruga, BRA Franck Iacono, FRA Bruce Berger, GAN Diego Quiropa, ECU Cees Jan Winkel, HOL Jose Marte Larranega, PER David Stacoy, GBR Pauf Easter, GBR Scott Newkirk, ISV Roberto Becerra, COL Adel Al-Assat, KUW See	47.11 50.53 50.77 55.10 58.12 01.24 03.72 03.77 05.43 00.21 22.31 23.93 38.99 54.64 18.44	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yuriy Kis, USSR 1 Patio Restrepo, COL 1 Peler Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dmitri Volkov, USSR 1 Peler Berggren, SWE 1 Etienne Dagon, SUI 1 Streve Live Language 1 Streve Language 1 Etienne Dagon, SUI 1 Streve Language 1 Streve Lang	1 (102,75# (102,82‡ (103,13 (103,15 (1
Hoberta Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Patly Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.30   Grazyna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:54.18   Rickie Binning, AUS   4:56.67   Irina Gerassimova, USSR	USSR Prelims Holland DDA USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26* 3:54.26* 3:55.43 3:57.58 3:58.86	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernandes Canales, PUR Kees Veerwoorn, HOL Jean Francons, VEN Talhei Saka, JPN Stvetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64 1:54.32 1:54.41 1:54.60 1:54.72 1:54.75 1:55.75 1:55.75 1:55.93 1:56.05	Canina Scianarini, 154 Peter Szmidt, CAN 155 Alejandro Lecol, ARG 155 Andrea Calabria, 174 Tim Ford, AUS 155 Kalle Elias, SWE 155 Rojer Madruga, BRA 155 Rojer Madruga, BRA 156 Rruce Berger, CAN 160 Bruce Berger, CAN 160 Lees Jan Winkel, HOL 160 Jose Marie Larranega, PER 152 David Stacey, GBR 152 Paul Easter, GBR 152 Roberto Becerra, COL 155 Roberto Becerra, COL 155 Adel Al-Assat, KUW 201 100 M BACKSTROKE—Aug 6	47.11 50.53 50.77 55.10 58.12 01.24 03.72 03.77 05.43 00.21 22.31 23.93 38.99 54.64 18.44	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yuriy Kis, USSR 1 Patio Restrepo, COL 1 Peler Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dmitri Volkov, USSR 1 Peler Berggren, SWE 1 Etienne Dagon, SUI 1 Streve Live Language 1 Streve Language 1 Etienne Dagon, SUI 1 Streve Language 1 Streve Lang	1 (102,75# (102,82‡ (103,13 (103,15 (1
Hoberla Felotti, ITA   159,73   Hoberla Felotti, ITA   159,73   Hickie Binning, AUS   501,60   Sonja Haustaden, AUT   5.05,11   Jane Admans, GBR   5.07,75   Prelims   Petra Schneider, DDR   4:43,15   Tracy Caulkins, USA   4:47,63   Kathleen Nord, DDR   4:49,45   Fatly Gavin, USA   4:50,61   Michelle MacPherson, CAN   4:53,73   Grazyna Dziedzic, POL   4:53,73   Grazyna Dziedzic, POL   4:53,90   Petra Zindfer, FRG   4:54,16   Rickie Binning, AUS   4:54,67   Irina Gerassimova, USSR   4:56,31   Katirne Bonslad, NOR   4:58,28	USSR Prelims Holland DDA USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN LOW M FREESTYLE—Aug. 3 Championship Finals Jorg Wolfide, DDR	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26* 3:55.43 3:57.58 3:58.86	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francors, VEN Taihei Saka, JPN Stvetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Faul Rowe, AUS Paul Frischknecl, POR	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64 1:54.32 1:54.60 1:54.72 1:54.72 1:54.75 1:55.34 1:55.75 1:55.93 1:56.49 1:56.49	Canina Scianarini, 154 Alajandro Lecol, ARG 155 Andrea Calabria, 173 Tim Ford, AUS 155 Kalle Elias, SWE 155 Rojer Madruga, BRA 155 Franck Lacono, FRA 166 Bruce Berger, CAN 150 Diego Quiroga, ECU 150 Coes Jan Winkol, HOL 10 Jose Marie Larranega, PER 102 David Stacey, GBR 152 Scott Newkirk, ISV 163 Roberto Becerra, COL 155 Adel Al-Assat, KUW 201  100 M BACKSTROKE—Aug. 6 Championship Finals	47.11 50.53 50.77 55.10 55.52 488.12 101.24 103.72 103.77 105.43 103.77 105.43 103.79	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 6 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Putry Kis, USSR 1 Pablo Restrepo, COL 1 Peler Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dimitri Volkov, USSR 1 Peter Berggren, SWE 1 Etienne Dagon, SUI 1 Euiz Carvaiho, BRA 1 Uzi Carvaiho, BRA 1 Prelims	1 1:02.75# 1:02.82‡ 1:03.15* 1:03.89 1:03.89 1:03.92† 1:04.72 1:04.72 1:04.94 1:05.18 1:05.50 1:05.61 1:05.83 1:06.19
Hoberta Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Patty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   Lisa Cury, AUS   4:53.73   Grazyna Dziedzic, POL   4:53.90   Petra Zindfer, FRG   4:54.16   Rickie Binning, AUS   4:56.31   Katrine Bomstad, NOR   4:58.28   4:56.31   Katrine Bomstad, NOR   4:58.24   Anette Philipsson, SWE   4:58.40	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.02 3:54.90 3:55.43 3:57.58 3:58.86	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swirn-olf: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francons, VEN Talhei Saka, JPN Stvetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacol, SUI Phillip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischkneci, POR Josef Hardet, TCH	1:53.28 1:53.35 1:53.35 1:53.64 1:54.32 1:54.60 1:54.72 1:54.72 1:54.75 1:55.34 1:55.81 1:55.81 1:56.30 1:56.49 1:56.60	Cambridge Committee Commit	47.11 50.53 50.77 55.10 55.52 488.12 101.24 103.72 103.77 105.43 103.77 105.43 103.79	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 6 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Putry Kis, USSR 1 Pablo Restrepo, COL 1 Peler Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dimitri Volkov, USSR 1 Peter Berggren, SWE 1 Etienne Dagon, SUI 1 Euiz Carvaiho, BRA 1 Uzi Carvaiho, BRA 1 Prelims	1 1:02.75# 1:02.82‡ 1:03.15* 1:03.89 1:03.89 1:03.92† 1:04.72 1:04.72 1:04.94 1:05.18 1:05.50 1:05.61 1:05.83 1:06.19
Hoberla Felotti, ITA   159.73   Hoberla Felotti, ITA   159.73   Hickie Binning, AUS   501.60   Sonja Haustaden, AUT   5.05.11   Jane Admans, GBR   5.07.75   Prelims   Prelims   Prelims   Prelims   Prelims   Administration   443.15   Tracy Caulkins, USA   4:47.63   Asathleen Nord, DDR   4:49.45   Asathleen Nord, DDR   4:49.45   Asathleen Nord, DDR   4:50.61   Michelle MacPherson, CAN   4:53.32   Grazyna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:53.90   Reliza Zindler, FRG   4:54.16   Rickie Binning, AUS   4:54.67   Irina Gerassimova, USSR   4:56.31   Katirne Bomslad, NOR   4:58.28   Anette Philipsson, CWE   4:58.40   Cherry Gibson, CAN   5:0.27	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE	58,94 DO 3:47,53* 3:48,84 3:49,31 3:51,81 3:52,07 3:54,02 3:54,90 3:54,90 3:55,43 3:57,58 3:58,86	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francors, VEN Taihei Saka, JPN Stvetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Faul Rowe, AUS Paulo Frischknecl, POR Josef Hladky, TCH Carlos Henao, COL	1:53.28 1:53.35 1:53.35 1:53.40 1:54.32 1:54.41 1:54.60 1:54.75 1:55.34 1:55.34 1:55.81 1:55.81 1:56.05 1:56.00 1:56.60 1:56.60 1:56.60 1:56.60 1:56.76	Caning Scalantin, 0. 154 Alejandro Lecol, ARG 49: Andrea Calabria, 17a 155 Alim Ford, AUS 155 Kalle Elias, SWE 155 Kalle Elias, SWE 155 Rojer Madruga, BRA 153 Franck Lacon, FRA 160 Bruce Berger, CAN 150 Diego Quitoga, ECU 150 Cees Jan Winkel, HOL 100 Dead Marte Larranega, PER 162 David Stacey, GBR 163 Scott Newkirk, ISV 155 Roberto Becerra, CDL Addel Al-Assat, KUW 201 100 M BACKSTROKE—Aug. 6 Championship Finals DI'R Richter, DDR 162 Nick Carey, USA 155 Rick Scenario CHSR 55	47.11 50.63 50.77 55.10 55.17 55.12 55.12 55.12 55.12 55.12 55.12 55.13 57 57 57 57 57 57 57 57 57 57 57 57 57	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 6 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 Peter Evans, AUS 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Divier Borios, FRA 1 Divier Borios, FRA 1 Divier Borgon, SUI 1 Etienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Luiz Carvaiho, BRA 1 Prelims Victor Davis, CAN 1 Steve Lundquist, USA 1	1 (102.75# (102.82‡ (103.13 (103.15* (103.89 (103.92 (103.92 (104.72 (104.39 (104.94 (105.50 (
Hoberta Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kalhleen Nord, DDR   4:94.45   Patty Gavin, USA   4:50.61   Augusta   4:53.32   Lisa Curry, AUS   4:53.73   Grazyna Dziedzic, POL   4:53.90   Petra Zindler, FRG   4:54.16   Rickie Binning, AUS   4:56.31   Kalfine Bomstad, NOR   4:58.28   Auster Line Bornstad, NOR   4:58.24   Auster Line Bornstad, NOR   4:58.24   Auster Line Bornstad, NOR   4:58.26   Auster Line Bornstad, NOR   4:58.28   Auster	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaudh, USA	58,94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.02 3:54.26* 3:54.90 3:57.58 3:57.58 3:58.86	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-off: 2:08.38) Graeme Brewer, AUS Marcello Gusarducci, ITA Jorge Fernandes, BRA Fernando Canates, PUR Kees Veervoorn, HOL Jean Francoris, VEN Taihei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thilery Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paullo Frischknecl, POR Josef Haddky, TCH Carlos Henao, COL Sileal Volley SUI	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64 1:54.31 1:54.41 1:54.72 1:54.72 1:54.75 1:55.75 1:55.81 1:55.81 1:56.60 1:56.60 1:56.60 1:56.60 1:56.69 1:56.93	Cambridge Comments of the Comment of	47.11 50.53 50.77 55.10 55.10 55.12 55.12 56.12 56.12 56.12 57	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 Turiy Kis, USSR 1 Pablo Resirepo, COL 1 Peter Lang, FRG 1 Consolation Finals Carald Moerken, FRG 1 John Clark, CAN 1 Dmilir Volkov, USSR 1 Peter Berggren, SWE 1 Etienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Lurz Carvain, BRA 1 Prelims Victor Davis, CAN 1 Steve Lundquist, USA 1 Shoh Moffet, USA 1 Shoh Moffet, USA 1	1 (102,75# (102,82‡ (103,13 (103,15 (103,89 (103,92 (103,92 (103,92 (104,94 (105,18 (105,50 (105,68 (1
Hoberta Felotti, ITA   159,73   Hoberta Felotti, ITA   159,73   Hickie Binning, AUS   501,60   Sonja Haustaden, AUT   5.05,11*   Jane Admans, GBR   5.07,75   Prelims   Petra Schneider, DDR   4:3,15   Tracy Caulkins, USA   4:47,63   Kathleen Nord, DDR   4:94,45   Fatty Gavin, USA   4:50,61   Michelle MacPherson, CAN   4:53,32   USA   CIRCAL   4:53,39   Grazyna Dziedzic, POL   4:53,90   Selra Zindfer, FRG   4:54,18   Rickie Binning, AUS   4:56,31   Katine Bormstad, NOR   4:58,20   Anelte Philipsson, SWE   4:58,40   Cherty Gibson, CAN   5:02,71   Irina Chlyleva, USSR   5:04,93   Doris Wiebbe, FRG   5:05,12	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richter, DDR	58,94 DO 3.47,53* 3:48,84 3:49,31 3:51,81 3:52,07 3:54,26* 3:54,26* 3:54,26* 3:54,36 3:57,58 3:57,58 50,25* 50,25* 50,25* 50,25* 50,20*	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francons, VEN Tähel Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Phillip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknect, POR Josef Hadky, TCH Carlos Henao, COL Siefan Volery, SUI	1:53.28 1:53.35 1:53.40 1:53.64 1:53.64 1:54.32 1:54.47 1:54.62 1:54.72 1:54.72 1:55.34 1:55.75 1:55.93 1:56.00 1:56.00 1:56.76 1:56.00 1:56.76 1:56.00 1:56.76 1:56.00 1:56.76	Peter Szmidt, CAN 154 Alajandro Lecot, ARG 454 Andrea Calabria, 174 Tim Ford, AUS 155 Kalle Elias, SWE 155 Kalle Elias, SWE 155 Rojer Madruga, BRA 155 Franck Lacon, FRA 160 Bruce Berger, CAN 150 Diego Quitoga, ECU 156 Cees Jan Winket, HOL 10 Jose Marte Larranega, PER 162 David Stacoy, GBR 163 Scott Newkirk, ISV 165 Roberto Becerra, COL Adel Al-Asart, KUW 20-1  100 M BACKSTROKE—Aug. 6 Championship Finals Dirk Richter, DDR 162 Valdmirk Spenetov, USSR 5 Sandor Whadar, HUN 165 Sandor Whadar, HUN	47.11 50.05 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 6 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Peler Evans, AUS 1 Turry Kis, USSR 1 Pablo Restrepo, COL 1 Peler Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 1 Dilvier Borios, FRA 1 Dilvier Borios, FRA 1 Dilvier Borios, FRA 1 Luz Carvalho, USSR 1 Raffaele Avagnano, ITA 1 Luz Carvalho, BRA 7 Prelims Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffel, USA 1 John Moffel, USA 1 John Moffel, USA 1	1 (102.75# (102.82‡ (103.13 (103.15° (103.89 (103.92 (103.92 (103.92 (103.92 (103.92 (104.94 (105.18 (105.18 (105.50 (105.61 (105.50 (105.61 (
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Hoberta Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:31.5   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:94,45   Fatty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   USA   Carayna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:54.16   Rickie Binning, AUS   4:54.67   Rickie Binning, AUS   4:56.31   Katine Bormstad, NOR   4:58.20   Anette Philipsson, SWE   4:58.40   Cherty Gibson, CAN   5:02.71   Irina Chlyleva, USSR   5:04.93   Doris Wiebke, FRG   5:05.12   Maria Scott, GBR   5:06.48   Roberta Felotut, ITA   5:06.48   Roberta Felotut, ITA   5:06.27   Roberta Felotut, ITA   5:06.27   Roberta Felotut, ITA   5:06.28   Roberta Felotut, ITA   7:06.28   Roberta Felotut, ITA   7:06.28	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Pelle Holmertz, SWE Cyro Deloade, BRA	58.94 DO 3.47.53* 3.48.84 3.49.31 3.51.81 3.52.07 3.54.26* 3.54.20* 3.55.43 3.55.43 3.57.58 50.21 50.25 50.25 50.27 50.70 51.31 51.78	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francons, VEN Taihei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknect, POR Josef Hladky, TCH Carlos Henao, COL Siefan Volery, SUI Frantz Morlensen, DEN Scol i Newkirk, ISV Mural Ozuak, TUR	1:53.28 1:53.35 1:53.40 1:53.64 1:53.64 1:54.32 1:54.41 1:54.62 1:54.72 1:54.72 1:55.34 1:55.76 1:55.93 1:56.00 1:56.00 1:56.76 1:56.00 1:56.76 1:56.93 1:57.67 1:57.67	Peter Szmidt, CAN 154 Alajandro Lecot, ARG 454 Andrea Calabria, 174 Tim Ford, AUS 155 Kalle Elias, SWE 155 Kalle Elias, SWE 155 Rojer Madruga, BRA 155 Franck Lacon, FRA 160 Bruce Berger, CAN 150 Diego Quitoga, ECU 150 Diego Quitoga, ECU 150 Does Marte Larranega, PER 162 David Stacey, GBR 163 Scott Newkirk, ISV 155 Roberto Becerra, CDL Addel Al-Assart, KUW 201 100 M BACKSTROKE—Aug. 6 Championship Finals DIrk Richter, DDR Rick Carey, USA 14dimit Shemetov, USSR 5 Sandor Wiladari, HUN 155 Clay Britt, USA 5	47.11 50.05 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 6 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yurry Kis, USSR 1 Pablo Restrepo, COL 1 Peler Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dmiliri Volkov, USSR 1 Peter Berggren, SWE 1 Etienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Lurz Carvalin, BRA 1 Prelims Victor Davis, CAN 1 Steve Lundquist, USA 1 John Molfet, USA 1 John Molfet, USA 1 John Molfet, USA 1 John Molfet, USA 1 Lury Carvalin, BRA 1 Lury Carvalin, BRA 1 Refilms 1 Victor Davis, CAN 1 Steve Lundquist, USA 1 John Molfet, USA 1 John Molfet, USA 1 Lury Sury Sury Sury Sury Sury Sury Sury S	1 1:02,75# 1:02,82‡ 1:03,13 1:03,15; 1:03,15; 1:03,15; 1:03,15; 1:03,99 1:04,72 1:04,72 1:04,72 1:05,50 1:05,50 1:05,61 1:05,6
Hoberta Felotti, ITA   4:59.73   Hoberta Felotti, ITA   4:59.73   Hickie Binning, AUS   5:01.80   Sonja Haustladen, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.83   Kathleen Nord, DDR   4:49.45   Patty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:50.61   A:50.62   Clary, AUS   4:53.73   Crayyna Dziedzic, POL   4:53.99   Patra Zindfer, FRG   4:54.16   Rickle Binning, AUS   4:56.31   Katline Bomstad, NOR   4:58.26   Anelte Philipsson, SWE   4:58.40   Cheryl Gibson, CAN   5:02.71   Trina Chyleva, USSR   5:04.93   Doris Wiebke, FRG   5:05.12   Maria Scott, GBR   5:06.48   Roberta Felotti, ITA   5:06.57   Sonja Hausladen, AUT   5:08.58	USSR Prelims Holland DDA USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johanson, SWE Chris Cavanaugh, USA Dirk Richter, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL	58.94 DO 3.47.53* 3.48.84 3.49.31 3.51.81 3.52.07 3.54.26* 3.54.20* 3.55.43 3.55.43 3.57.58 50.21 50.25 50.25 50.27 50.70 51.31 51.78	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francons, VEN Taihei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknect, POR Josef Hladky, TCH Carlos Henao, COL Siefan Volery, SUI Frantz Morlensen, DEN Scol i Newkirk, ISV Mural Ozuak, TUR	1:53.28 1:53.35 1:53.40 1:53.64 1:53.64 1:54.32 1:54.41 1:54.62 1:54.72 1:54.72 1:55.34 1:55.76 1:55.93 1:56.00 1:56.00 1:56.76 1:56.00 1:56.76 1:56.93 1:57.67 1:57.67	Peter Szmidrini, 154 Alajandro Lecol, ARG 155 Andrea Calabria, 174 Tim Ford, AUS 155 Kalle Elias, SWE 155 Rojer Madruga, BRA 155 Franck Lacono, FRA 166 Bruce Berger, CAN 160 Diego Quiroga, ECU 160 Cees Jan Winkol, HOL 10 Jose Marte Larranega, PER 162 David Stacey, GBR 162 Scott Newkirk, ISV 163 Roberto Becerra, COL 155 Adel Al-Assat, KUW 201  100 M BACKSTROKE—Aug-6 Championship Finals Dirk Richter, DDR 162 Sandor Wiladar, HUN 5 Sandor Wiladar, HUN 5 Clay Brill, USA 5 Clay Brill, USA 5 Clay Brill, USA 5 Wade Flemons, CAN 5 Frank Baltrusch DDR 5	47.11 50.65 50.77 55.10 50.77 55.10 50.77 55.10 50.77 55.43 50.77 55.43 50.77 55.43 50.77 55.43 50.77 55.43 50.95 50.77 55.43 50.95	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yuriy Kis, USSR 1 Vaniy Kis, CAN 1 John Clark, CAN 2 John Clark, CAN 2 John Wolfet, CAN 2 John Wolfet, CAN 3 John Moffet, USA 3 John Moffet, USA 3 John Moffet, USA 4 John Moffet, USA 4 John Moffet, USA 4 John Moffet, USA 5 John Moffet, USSR 1 Pablo Restrepo, COL 1 Peter Languist, USSR 1 John Moffet, USSR 1 Pablo Restrepo, COL 1 Peter Languist, USSR 1 Peter Languist, USSR 1 Peter Languist, USSR	1 (102,75# (102,82‡ (103,13 (103,15 (103,92 (103,92 (103,92 (103,92 (104,94 (105,50 (105,61 (105,63 (1
Hoberta Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:31.5   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:94,45   Fatty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   USA   Carayna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:54.16   Rickie Binning, AUS   4:54.67   Rickie Binning, AUS   4:56.31   Katine Bormstad, NOR   4:58.20   Anette Philipsson, SWE   4:58.40   Cherty Gibson, CAN   5:02.71   Irina Chlyleva, USSR   5:04.93   Doris Wiebke, FRG   5:05.12   Maria Scott, GBR   5:06.48   Roberta Felotut, ITA   5:06.48   Roberta Felotut, ITA   5:06.27   Roberta Felotut, ITA   5:06.27   Roberta Felotut, ITA   5:06.28   Roberta Felotut, ITA   7:06.28   Roberta Felotut, ITA   7:06.28	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals	58.94 DO 3.47.53* 3.48.84 3.54.93 3.55.181 3.55.207 3.54.26* 3.54.90 3.54.26* 3.54.90 3.55.43 3.57.58 3.58.86 50.18 50.25* 50.25* 50.25* 50.25* 50.20* 50.70* 51.31 51.78 51.78 51.78	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swirn-off: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francoris, VEN Taihei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubbie, GBR Filiberto Colon, GBR Paul Rowe, AUS Paullo Frischknect, POR Josef Haddky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scott Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR	1:53.28 1:53.35 1:53.30 1:53.40 1:53.40 1:54.32 1:54.41 1:54.60 1:54.72 1:55.34 1:55.75 1:55.34 1:55.60 1:56.93 1:56.60 1:56.93 1:56.93 1:57.27 1:57.27 1:57.83 1:57.83	Peter Szmidt, CAN Alsjandro Lecot, ARG Alsjandro Kalle Elias, SWE Bojer Madruga, BRA Franck Lacono, FRA Bruce Berger, CAN Brand State, HOL Loce Marte Larranega, PER Bowl Statevy, GBR Bowl Statevy, GBR Bootto Becerra, COL Add Al-Assart, KUW 100 M BACKSTROKE—Aug. 6 Champlonship Finals Dirk Richter, DDR Rick Carey, USA Vladimir Shemetov, USSR Sandor Wladar, HUN Victor Kouzretsov, USSR Sandor Wladar, HUN Victor Kouzretsov, USSR Sidy Britt, USA Wade Flemons, CAN Frank Baltrusch, DDR Frank Baltrusch, DR Frank B	47.11 50.053   50.77 55.10 55.27 55.10 55.20 1 55.24 50.77 55.33 7.7 35.43 1 55.25 2.2 2.31 23.3.77 22.31 22.31 23.93 38.99 1 55.95 # 8.44 55.95 # 8.64 56.04 56.04 56.04 56.04 57.7.45 1 57.74 57.75 57.74 1 57.74 57.75 57.74 1 57.75 57.74 1	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 6 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yurry Kis, USSR 1 Pablo Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 Luiz Carvalho, USSR 1 Peler Berggren, SWE 1 Elienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Luiz Carvalho, BRA 1 Prelims Victor Davis, CAN 1 Steve Lundquist, USA 1 John Molfel, USA 1 John Molfel, USA 1 John Molfel, USA 1 Luix USSR 1 Luix US	1 (102,75# (102,82‡ (103,13 (103,15 (1
Hoberta Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.60   Sonja Haustaden, AUT   5:05.11   Songara Haustaden, AUT   5:05.11   Songara Haustaden, AUT   5:07.75   Prelims   Petra Schneider, DDR   4:31.5   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Fatty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   USA   4:50.61   Michelle MacPherson, CAN   4:53.37   Grazyna Dziedzic, POL   4:53.90   Songara Haustaden, AUS   4:54.67   Rickie Binning, AUS   4:54.67   Rickie Binning, AUS   4:56.31   Katinne Bormstad, NOR   4:58.20   Anette Philipsson, SWE   4:58.40   Cherty Gibson, CAN   5:02.71   Irina Chlyleva, USSR   5:04.93   Doris Wiebke, FRG   5:05.12   Maria Scott, GBR   5:06.49   Sonja Haustaden, AUT   5:08.58   Jane Admans, GBR   5:09.40	USSR Prelims Holland DDA USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe. DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.02 3:54.03 3:55.43 3:57.58 3:58.86 50.21 50.22 50.70 51.11 51.78 51.16	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veerwoorn, HOL Jean Francons, VEN Talhei Saka, JPN Stivetan Golomeev, BUL. Stivath Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Hladky, TCH. Carlos Henao, COL Sislan Volery, SUI Frantz Mortensen, DEN Scoll Newkirk, ISV Mural Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, JRR Fabin Ferrari, JRR Fabin Ferrari, JRR Filegore, SUI Fending Ferrari, JRR Filegore, SUI Filegore, SUI Filegore, JUR Filego	1:53.28 1:53.35 1:53.35 1:53.40 1:53.40 1:54.32 1:54.41 1:54.72 1:54.72 1:54.72 1:55.74 1:55.74 1:55.81 1:56.05 1:56.76 1:56.93 1:57.67 1:57.83 1:57.83 1:57.83 1:57.83	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, ITA Tim Ford, AUS Kalle Elias, SWE Rojer Madruga, BRA Franck Lacono, FRA Bruce Berger, CAN Branck Careey, GBR Branck Cook Market, Laconomic Market Bruce Berger, COL Bruce Bruce Berger, COL Bruce Bruce Berger, COL Bruce Bruc	47.11 50.053   50.77 55.10 55.27 55.10 55.20 1 55.24 50.77 55.33 7.7 35.43 1 55.25 2.2 2.31 23.3.77 22.31 22.31 23.93 38.99 1 55.95 # 8.44 55.95 # 8.64 56.04 56.04 56.04 56.04 57.7.45 1 57.74 57.75 57.74 1 57.74 57.75 57.74 1 57.75 57.74 1	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 6 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yurry Kis, USSR 1 Pablo Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 Luiz Carvalho, USSR 1 Peler Berggren, SWE 1 Elienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Luiz Carvalho, BRA 1 Prelims Victor Davis, CAN 1 Steve Lundquist, USA 1 John Molfel, USA 1 John Molfel, USA 1 John Molfel, USA 1 Luix USSR 1 Luix US	1 (102,75# (102,82‡ (103,13 (103,15 (1
Hoberta Felotti, ITA   4:59.73	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Alexi Markovski, USSR Alexi Markovski, USSR	58.94 DO 3.47.53* 3.48.84 3.54.93 3.55.181 3.55.207 3.54.26* 3.54.90 3.54.26* 3.54.90 3.55.43 3.57.58 3.58.86 50.18 50.25* 50.25* 50.25* 50.25* 50.30* 51.88 51.18 51.18	J. Carlos Vallejo, ESP Cameron Henning, CAN (Swirn off: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francoris, VEN Taihei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thilery Jacot, SUI Philip Hubbie, GBR Filiberto Colon, GBR Paul Rowe, AUS Paullo Frischknecl, POR Josef Haddky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scolt Newkirk, ISV Mural Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Quiroga, ECU Shloev Onada, JPN	1:53.28 1:53.35 1:53.30 1:53.40 1:53.40 1:54.32 1:54.41 1:54.60 1:54.72 1:55.34 1:55.34 1:55.81 1:55.81 1:56.93 1:56.93 1:56.93 1:56.93 1:57.67 1:57.83 1:57.83 1:57.83	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Edaberta Ralajandro Edaberta Bruce Berger, CAN Branch Edabert, Branch Branch Edabert, Branch Bra	47.11 1 50.053	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 John Moffet, USA 5 Adrian Moorhouse, GBR 1 Addrian Moorhouse, GBR 1 Yurly Kis, USSR 1 Peter Lang, FRG 1 Addrian Moorhouse, GBR 1 Yurly Kis, USSR 1 Peter Lang, FRG 1 Addrian Moorhouse, GBR 1 Yurly Kis, USSR 1 Peter Lang, FRG 1 Addrian FRG 1 Peter Lang, FRG 1 Peter Lang, FRG 1 John Clark, CAN 1 Sereal Moorhouse, GBR 1 Feter Lang, FRG 1 John Clark, CAN 1 Sereal Moorhouse, GBR 1 John Clark, CAN 1 Sereal Moorhouse, GBR 1 John Clark, CAN 1 Sereal Moorhouse, GBR 1 John Clark, CAN 1 Sereal Moorken, FFG 1 John Clark, CAN 1 Sereal Moorken, FFG 1	1 (102.75# (103.15 (103.15 (103.15 (103.15 (103.15 (103.15 (103.15 (103.92 (103.92 (103.92 (103.92 (104.94 (105.50 (105.61 (105.83 (105.50 (105.61 (105.83 (104.10 (105.61 (10
Hoberta Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Fatty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   Lisa Curry, AUS   4:53.37   Grazyna Dziedzic, POL   4:53.90   Petra Zindfer, FRG   4:54.16   Rickie Binning, AUS   4:56.31   Katrine Bomstad, NOR   4:58.20   Anette Phillipsson, SWE   4:58.40   Cherly Gibson, CAN   5:02.71   Irina Chyleva, USSR   5:06.48   Anette Phillipsson, SWE   5:06.48   Maria Scott, GBR   5:06.51   Maria Scott, GBR   5:06.51   Sonja Haustaden, AUT   5:08.59   Jane Admans, GBR   5:09.40   Admans, GBR	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.02 3:54.03 3:55.43 3:57.58 3:59.86 50.21 50.22 50.70 51.13 51.78 51.16 51.48 51.48	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08.36) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francois, VEN Tathei Saka, JPN Stvetan Golomeev, BUL. Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Hladky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scoll Newkirk, ISV Mural Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Oujrea, ECU Shilgeo Ogata, JPN Rich Saeger, USA	1:53.28 1:53.35 1:53.35 1:53.40 1:53.40 1:54.32 1:54.32 1:54.47 1:54.72 1:54.72 1:55.74 1:55.74 1:55.81 1:56.93 1:56.93 1:56.93 1:56.93 1:56.93 1:57.21 1:57.83 1:57.8	Peter Szmidt, CAN 154 Alajandro Lecot, ARG 454 Andrea Calabria, 174 Tim Ford, AUS 155 Rojer Madruga, BRA 155 Franck Lacon, FRA 160 Bruce Berger, CAN 150 Diego Quitoga, ECU 150 Roberto Becerra, COL 150 Adel Al-Assart, KUW 251  100 M BACKSTROKE—Aug, 6 Championship Finals Dirk Richter, DPR Rick Carey, USA 150 Sandor Wiadar, HUN 150 City Britt, USA 150 City Britt, USA 150 Frank Battrusch, DDR Consolation Finals Mike West, CAN 55 Stefan Peter, FRG 150 Sander Hilley, CAN 55 Stefan Peter, FRG 150 Sander Hardey, CAN 55 Stefan Peter, FRG 150 Sander Hardey, CAN 55 Stefan Peter, FRG 150	47.11 1 50.053	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 John Moffet, USA 5 Adrian Moorhouse, GBR 1 Addrian Moorhouse, GBR 1 Yurly Kis, USSR 1 Peter Lang, FRG 1 Addrian Moorhouse, GBR 1 Yurly Kis, USSR 1 Peter Lang, FRG 1 Addrian Moorhouse, GBR 1 Yurly Kis, USSR 1 Peter Lang, FRG 1 Addrian FRG 1 Peter Lang, FRG 1 Peter Lang, FRG 1 John Clark, CAN 1 Sereal Moorhouse, GBR 1 Feter Lang, FRG 1 John Clark, CAN 1 Sereal Moorhouse, GBR 1 John Clark, CAN 1 Sereal Moorhouse, GBR 1 John Clark, CAN 1 Sereal Moorhouse, GBR 1 John Clark, CAN 1 Sereal Moorken, FFG 1 John Clark, CAN 1 Sereal Moorken, FFG 1	1 (102.75# (103.15 (103.15 (103.15 (103.15 (103.15 (103.15 (103.15 (103.92 (103.92 (103.92 (103.92 (104.94 (105.50 (105.61 (105.83 (105.50 (105.61 (105.83 (104.10 (105.61 (10
Hoberta Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Patty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   Lisa Curry, AUS   4:53.73   Grazyna Dziedzic, POL   4:53.90   Petra Zindler, FRG   4:54.16   Rickie Binning, AUS   4:56.31   Katrine Bomstad, NOR   4:59.28   Anette Philipsson, CAN   5:02.71   Trina Chipleva, USSR   5:06.31   Katrine Sonsia Haustander   5:06.48   Roberta Felotti, ITA   5:06.97   Sonja Haustalden, AUT   5:08.58   Jane Admans, GBR   5:09.40   400 M MEDLEY RELAY—Aug. 6   Championship Finals DDR   4:05.88*	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richter, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidl, FRG	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.02 3:54.90 3:54.90 3:54.90 3:55.43 3:57.58 3:58.86 50.21 50.25 50.21 50.25 50.21 50.25 50.35 51.31 51.38 51.38 51.38 51.48 51.65 51.48	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francores, VEN Taihei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubbie, GBR Filiberto Colon, GBR Paul Rowe, AUS Paullo Frischknecl, POR Josef Haddky, TCH Carlos Henao, COL Stelan Volery, SUI Frantz Mortensen, DEN Scoll Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Olego Quiroga, ECU Shilgeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64 1:54.32 1:54.41 1:54.41 1:54.72 1:54.72 1:55.34 1:55.72 1:55.81 1:56.60 1:56.93 1:56.93 1:57.21 1:57.21 1:57.83 1:57.83 1:57.83 1:57.83	Canina Scanarina, 154 Peter Szmidt, CAN 155 Alajandro Lecot, ARG 155 Andrea Calabria, 174 155 Andrea Calabria, 174 155 Kallo Elias, SWE 155 Rojor Madruga, BRA 155 Franck Lacono, FRA 160 Bruce Berger, CAN 160 Diego Quiroga, ECV 160 Dose Marie Larranega, PER 162 David Stacey, GBR 162 David Stacey, GBR 162 Coes Jan Winkol, HOL 162 David Stacey, GBR 162 Coes Jan Winkol, HOL 162 David Stacey, GBR 162 Coes Jan Winkol, HOL 162 David Stacey, GBR 162 Coes Jan Winkol, HOL 162 David Stacey, GBR 162 Coes Jan Winkol, HOL 162 Adel Al-Assaf, KUW 201 100 M BACKSTROKE—Aug. 6 Championship Finals Dirk Richter, DDR 162 Rick Carey, USA 5 Vladimir Shometov, USSR 5 Sandor Wladar, HUN 5 Sandor Wladar, HUN 5 Sandor Wladar, HUN 5 Clay Brit, USA 5 Wade Flemons, CAN 5 Frank Baltrusch, DDR 162 Consolation Finals Mike West, CAN 5 Stefan Peter, FRG 5 Josef Hladky, TCH Hidetosh Takahashi, JPN 5	47.11 50.53 50.77 55.10 55.24 55.10 55.24 50.77 55.10 55.24 50.77	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 3 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GB	1:02.75# ::02.82‡ ::03.13 ::03.89 ::03.92† ::04.72 ::04.39 ::04.94 ::05.18 ::05.50 ::05.61 ::05.83 ::04.72 ::04.39 ::04.44 ::04.64 ::04.74 ::05.30 ::05.47 ::05.30 ::05.30 ::05.30 ::05.30 ::04.10 ::04.34 ::04.64 ::04.34 ::04.61 ::04.34 ::04.61 ::04.83 ::05.30 ::0
Roberta Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:94.54   Fatly Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   Lisa Curry, AUS   4:53.373   Grazyna Dziedzic, POL   4:53.90   Selra Zindler, FRG   4:54.16   Rickie Binning, AUS   4:56.31   Katrine Bomstad, NOR   4:58.28   Anette Philipsson, SWE   4:58.40   Cheryl Gibson, CAN   5:02.71   Irina Chyleva, USSR   5:06.48   Another Philipsson, SWE   5:06.48   Roberta Felotti, ITA   5:06.97   Sonja Hausladen, AUT   5:08.59   Jane Admans, GBR   4:05.88*   Championship Finals   DDR   Kristin Otto   1:01.72   1:01.75   1:01.72   1:01.75   1:01.72   1:01.75   1:01.72   1:01.75   1:01.72   1:01.75   1:01.72   1:01.75   1:01.72   1:01.75   1:01.72   1:01.75   1:01.72   1:01.75   1:01.72   1:01.75   1:01.75   1:01.72   1:01.75   1:	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mastre, VEN Andreas Schmidl, FRG Andreas Schmidl, FRG Andrea Ceccarini, ITA	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.02 3:54.02 3:54.02 3:55.86 50.21 50.21 50.22 50.70 51.31 51.78 51.16 51.48 51.16 51.48 51.65 51.95	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francois, VEN Tathei Saka, JPN Stivatan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Hladky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scoll Newkirk, ISV Mural Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Oujroga, ECU Shilgeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocash Lifshilz, ISR	1:53.28 1:53.35 1:53.35 1:53.40 1:54.32 1:54.61 1:54.32 1:54.60 1:54.75 1:55.74 1:55.74 1:55.75 1:56.65 1:56.65 1:56.76 1:56.76 1:57.21 1:57.83 1:57.83 1:57.83 1:57.83 1:57.83 1:57.83	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Estable Respective Respe	47.11 1 50.53 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Preier Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 Tolivier Borios, FRA 1 Dmitri Volkov, USSR 1 Peler Berggren, SWE 1 Elienne Dagon, SUI Raffaele Avagnano, ITA 1 Luz Carvaiho, BRA 1 Preims Victor Davis, CAN 1 Steve Lundquist, USA 1 John Molfel, USA 1 John Glark, CAN 1 Gerald Moerken, FRG 1 John Clark, CAN 1 Gerald Moerken, FRG 1 Ralfaele Avagnano, ITA 1	1:02.75# 1:02.82† 1:03.13 1:03.15 1:03.19 1:03.92 1:03.92† 1:03.92† 1:04.72 1:04.39 1:04.74 1:05.50 1:05.50 1:05.50 1:05.50 1:05.50 1:05.61 1:05.50 1:05.61 1:05.50 1:05.61 1:05.50 1:05.61 1:05.50 1:
Hoberta Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Patty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   Lisa Curry, AUS   4:53.73   Grazyna Dziedzic, POL   4:53.90   Petra Zindler, FRG   4:54.16   Rickie Binning, AUS   4:56.31   Katrine Bomstad, NOR   4:59.28   Anette Philipsson, CXN   5:02.71   Trina Chipteva, USSR   5:04.93   Doris Wiebko, FRG   5:05.12   Maria Scoti, GBR   5:06.49   Roberta Felotti, ITA   5:06.97   Sonja Haustalden, AUT   5:08.59   Jane Admans, GBR   5:09.40   400 M MEDLEY RELAY—Aug. 6   Championship Finals DR   4:05.88*   Kristin Otto   1:01.72   Ule Geweniger   109.99   Roberta Felotti, ITA   4:05.88*   Kristin Otto   1:01.72   Ule Geweniger   109.99   Roberta Felotti, ITA   5:06.89   Championship Finals   DR   4:05.88*   Kristin Otto   1:01.72   Ule Geweniger   1:09.99   Roberta Felotti, ITA   4:05.88*   Kristin Otto   1:01.72   Ule Geweninger   1:09.99   Roberta Felotti, ITA   4:05.88*   Kristin Otto   1:01.72   Ule Geweninger   1:09.99   Roberta Felotti, ITA   4:05.88*   Kristin Otto   1:01.72   Ule Geweninger   1:09.99   Roberta Felotti, ITA   4:05.88*   Kristin Otto   1:01.72   Ule Geweninger   1:09.99   Roberta Felotti, ITA   1:01.72   Ule Geweninger   1:09.99   Roberta Felotti, ITA   1:01.72   Roberta Felo	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidt, FRG Andrea Ceccarini, ITA Wilfried Kublem FRG	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.02 3:54.90 3:54.90 3:54.90 3:55.43 3:57.58 3:58.86 50.21 50.25 50.21 50.25 50.21 50.25 50.35 51.31 51.88 51.88 51.88 51.88	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-off: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francoros, VEN Taihei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubbie, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Haddky, TCH Carlos Henao, COL Siefan Volery, SUI Frantz Mortensen, DEN Scol Newkirk, ISV Murat Ozuak, TUR Niv Shamir, ISR Fabin Ferrari, ARG Olego Quiroga, ECU Shilgeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocaby Lifshitz, ISR Paul Thauhund, DEN	1:53.28 1:53.35 1:53.35 1:53.40 1:53.64 1:54.32 1:54.41 1:54.45 1:54.72 1:54.72 1:55.34 1:55.72 1:55.81 1:56.05 1:56.05 1:56.05 1:56.05 1:56.05 1:56.03 1:57.21 1:57.21 1:57.83 1:57.83 1:57.83 1:57.83 1:57.83 1:57.83 1:57.83	Peter Szmidt, GAN Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, ITa Tim Ford, AUS Kalle Elias, SWE Rojer Madruga, BRA Franck Lacono, FRA Bruce Berger, CAN Bright Branch, Local Cess Jan Winkol, HOL Jose Marie Larranega, PER David Stacey, GBR Brace Branch Brace Brace Brace Coes Jan Winkol, HOL Jose Marie Larranega, PER Brace Brac	47.11 1 50.65 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA John Moffet, USA Adrian Moorhouse, GBR 1 Adrian Moorhouse, GB	1:02.75# :02.82‡ :03.13 :03.15 :03.89 :03.92 :04.72 :04.39 :04.94 :05.50 :05.50 :05.50 :05.61 :05.83 :04.10 :04.44 :05.54 :05.54 :03.64 :04.46 :04.46 :04.46 :04.64 :04.64 :04.64 :04.64 :04.64 :05.50 :05
Hoberta Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Songa Haustaden, AUT   5:05.775   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.83   Kathleen Nord, DDR   4:49.45   Patty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.32   Lisa Curry, AUS   4:53.79   Grazyna Dziedzic, POL   4:53.90   Fetra Zinder, FRG   4:54.16   Rickie Binning, AUS   4:54.67   Rickie Binning, AUS   4:56.31   Katine Bomstad, NOR   4:59.28   Anelte Philipsson, SWE   4:58.40   Cheryl Gibson, CAN   5:02.71   Trina Chipteya, USSR   5:04.93   Doris Wiebke, FRG   5:05.12   Maria Scott, GBR   5:06.49   Roberta Felotti, ITA   5:06.97   Sonja Hausladen, AUT   5:08.59   Jane Admans, GBR   5:09.40   400 M MEDLEY RELAY—Aug. 6   Championship Finals   DR   4:05.88*   Kristin Otto   1:01.72   Ule Geweniger   1:09.90   Ines Geissler   59.59   Birgit Meineke   54.71   Edements   5:05.91   Championship Finals   Championshi	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidt, FRG Andrea Ceccarini, ITA Wilfried Kublem FRG	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.02 3:54.90 3:54.90 3:54.90 3:55.43 3:57.58 3:58.86 50.21 50.25 50.21 50.25 50.21 50.25 50.35 51.31 51.88 51.88 51.88 51.88	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francors, VEN Tathel Saka, JPN Stvetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Hladky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scol i Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Olego Quiroga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allian Marsh, JAM Yocash Lifshitz, ISR Paul Thalund, DEN	1:53.28 1:53.35 1:53.40 1:53.40 1:53.64 1:54.81 1:54.80 1:54.80 1:54.75 1:55.74 1:55.74 1:55.74 1:55.74 1:55.74 1:55.74 1:56.60 1:56.76 1:56.90 1:56.76 1:57.87 1:57.80 1:57.85 1:57.8	Peter Szmidt, CAN Alajandro Lecot, ARG Alage Syke Rojer Madruga, BRA Franck Lacon, FRA Bruce Berger, CAN Brace Berger, CAN Brace Berger, CAN Brace Berger, CBR Brace Berger, CBR Brace Berger, CBR Brace Brace Berger, CBR Brace Bra	47.11 1 50.65 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA John Moffet, USA Adrian Moorhouse, GBR 1 Adrian Moorhouse, GB	1:02.75# :02.82‡ :03.13 :03.15 :03.89 :03.92 :04.72 :04.39 :04.94 :05.50 :05.50 :05.50 :05.61 :05.83 :04.10 :04.44 :05.54 :05.54 :03.64 :04.46 :04.46 :04.46 :04.64 :04.64 :04.64 :04.64 :04.64 :05.50 :05
Roberta Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   4:49.45   Patly Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:50.32   Lisa Curry, AUS   4:53.73   Grazyna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:53.40   Grazyna Dziedzic, POL   4:54.16   Rickie Binning, AUS   4:56.67   Rickie Binning, AUT   5:06.67   Rickie Binning, AUT   5:06.97   Rickie Binning, AUT   5:06.97   Rickie Binning, AUT   5:06.88   Rickie Binning, AUT   5:06.89   Ric	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richter, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mastre, VEN Andreas Schmidl, FRG Andrea Geccarini, ITA Wilfried Kuhlem, FRG Greg Fasala, AUS Edward Massdijk, HOL	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.02 3:54.90 3:54.90 3:54.90 3:55.43 3:57.58 3:58.86 50.21 50.25 50.21 50.25 50.21 50.25 50.35 51.31 51.88 51.88 51.88 51.88	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-off: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francores, VEN Talhei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischkneci, POR Josef Hadaky, TCH Carlos Henao, COL Siefan Voiery, SUI Frantz Mortensen, DEN Scoll Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Outga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocaby Lifshitz, ISR Paul Thalund, DEN Enrique Conterno, PER Sadri Ozun, TUR	1:53 28 1:53 28 1:53 35 1:53 36 1:53 40 1:54 32 1:54 41 1:54 41 1:54 47 1:54 47 1:55 47 1:55 54 1:56 76 1:56 93 1:56 93 1:57 21 1:57 83 1:57 8	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, ITa Tim Ford, AUS Kalle Elias, SWE Rojer Madruga, BRA Franck Lacon, FRA Bruce Berger, CAN Bright Lacranega, PER Coes Jan Winkol, HOL Jose Marie Lacranega, PER Coes Jan Winkol, HOL Jose Marie Lacranega, PER Board Cana Bruce Becerra, COL Adel Al-Assart, KUW 201  100 M BACKSTROKE—Aug-6 Championship Finals Dirk Richter, DDR Championship Finals Dirk Richter, DDR Strick Carey, USA Viadimir Shemetov, USSR Sandor Wladar, HUN Victor Kouznetsov, USSR Cray Brill, USA Wade Flemons, CAN Frank Baltrusch, DDR Consolation Finals Mike West, CAN Stefan Peter, FRG Josel Hladky, TCH Hidetoshi Takahashi, JPN Francisco Benitez, ESP Conrado Porta, ARG Ricardo Aldabe, ESP Edsard Schingemann, HOL Selar Betard Sching	47.11 50.55 5.10 55.51 6.55 5.10 55.51 6.55 5.10 55.52 4.20 10.24 5.33.77 55.43 10.33.77 55.43 10.33.77 10.54 10.33.77 10.54 10.33.77 10.54 10.33.77 10.54 10.35 1	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA John Moffer, USA Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Folier Lang, FRG 1 Consolation Finals Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dmitri Volkov, USSR 1 Peler Berggren, SWE 1 Raffaele Avagnano, ITA 1 LUIZ Carvailho, BRA 1 Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Tyuriy Kis, USSR 1 Pablo Restrepo, COL 1 Peter Leng, FRG 1 Olivier Borios, FRA 1 Dilli SSR 1 Pablo Restrepo, COL 1 Peter Lang, FRG 1 Olivier Borios, FRA 1 Tallarla Moorhouse, GBR 1 Tyuriy Kis, USSR 1 Pablo Restrepo, COL 1 Peter Lang, FRG 1 Olivier Borios, FRA 1 Tallarla Moorhouse, GBR 1 Tyuriy Kis, USSR 1 Tallarlarlarlarlarlarlarlarlarlarlarlarla	1:02.75# :02.82‡ :03.15 :03.15 :03.89 :03.92† :04.72 :04.39 :04.94 :05.18 :05.50 :05.61 :05.56 :00.05.61 :00.472 :04.89 :04.10 :04.61 :04.64 :04.64 :04.65 :05.30 :05.50 :05.67 :05.50
HODERIA Felotti, ITA   4:59.73   HODERIA Felotti, ITA   4:59.73   HICKIE Binning, AUS   5:01.80   Sonja Haustladen, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.83   Kathleen Nord, DDR   4:49.45   Patty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:50.61   Michelle MacPherson, CAN   4:50.62   Michelle MacPherson, CAN   4:50.62   Michelle MacPherson, CAN   4:50.62   Michelle MacPherson, CAN   4:50.62   Michelle Binning, AUS   4:50.63   Michelle Binning, AUS   4:50.67	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidl, FRG Andrea Geccarini, ITA Willfried Kuhlem, FRG Greg Fasala, AUS Edward Maasdijk, HOL Erelims	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:51.81 3:54.20 3:54.02 3:54.02 3:54.02 3:54.30 3:54.85 50.21 50.25 50.25 50.32 50.25 50.70 51.31 51.68 51.16 51.48 51.48 51.65 51.96 51.98 52.10 52.20	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francores, VEN Talhei Saka, JPN Talhei Saka, JPN Talhei Saka, JPN Talhei Saka, JPN Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknect, POR Josel Haddy, TCH Carlos Venskir, ISV Murat Ozuak, TUR Mir Shamir, ISR Fabin Ferrari, ARG Diego Outga, EVD Shigeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocahy Lifshitz, ISR Paul Thalund, DEN Enrique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Fenal Larranega, PER Edham Al-Seil, KUW	1:53 28 1:53 28 1:53 35 1:53 36 1:53 40 1:54 32 1:54 41 1:54 41 1:54 47 1:54 47 1:55 47 1:55 54 1:56 75 1:56 81 1:56 83 1:56 83 1:56 83 1:57 21 1:57 83 1:57 83 1:57 83 1:57 83 1:57 83 1:57 83 1:57 83 1:57 83 1:57 83 1:58 80 1:57 83 1:58 80 1:57 83 1:58 80 1:57 83 1:57 83 1:57 83 1:58 80 1:57 83 1:57 8	Peter Szmidt, CAN Alajandro Lecot, ARG Alage Syre Rojer Madruga, BRA Franck Lacono, FRA Bruce Berger, CAN Diego Quitoga, ECU Gees Jan Winkel, HOL Jose Marte Larranega, PER David Stacey, GBR BL	47.11 1 50.53 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 Putry Kis, USSR 1 Patro Clark, CAN 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 Dmitri Volkov, USSR 1 Peter Banggren, SWE 1 Etienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Luz Carvalho, BRA 1 Prelims Victor Davis, CAN 1 John Molfel, USA 1 John Clark, CAN 1 Peter Evans, AUS 1 Peter Evans, AUS 1 Peter Evans, AUS 1 Peter Evans, AUS 1 Raffaele Avagnano, ITA 1 Raffaele Ava	1:02.75# :02.82† :03.13 :03.15 :03.89 :03.92 :03.92† :04.39 :04.49 :05.18 :05.18 :05.18 :05.61 :05.61 :05.63 :06.19 :03.06‡# :04.61 :04.61 :04.61 :04.61 :05.30 :05.51
RODERIA Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Patly Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.30   Carayna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:54.18   Rickie Binning, AUS   4:56.67   Rickie Binning, AUS   4:56.67   Rina Gerassimova, USSR   4:56.31   Katine Bomstad, NOR   4:58.28   Achelte Philipsson, CAN   5:02.71   Kinna Gerassimova, USSR   5:04.93   Doris Wiebke, FRG   5:05.512   Maria Scott, GBR   5:06.48   Roberta Felotti, ITA   5:06.97   Sonja Haustaden, AUT   5:08.58   Jane Admans, GBR   5:09.40   400 M MEDLEY RELAY—Aug. 6   Championship Finals   Championship Finals   Championship Finals   Championship Finals   Championship Finals   DDR   4:05.88   Kristin Otto   1:01.72   Ule Geweniger   1:09.98   Birgit Meineke   54.71   USA   4:08.12   Sue Walsh   1:03.04   Kim Rhodenhaugh   1:10.8   Kim Rhodenhaugh	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richter, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidt, FRG Andrea Ceccarini, ITA Wilfried Kuhlem, FRG Greg Fasata, AUS Edward Massdijk, HOL Prelims Jorg Woithe, DDR	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26 3:55.43 3:57.58 3:58.86  50.18 50.21 50.25 50.70 51.31 51.78 51.16 51.48 51.16 51.48 51.16 51.48 52.10	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francors, VEN Taihei Saka, JPN Stvetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Hladky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scoil Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Olego Quiroga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allian Marsh, JAM Yocash Lifshitz, ISR Paul Thalund, DEN Sarin Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Sad Al-Hershano KIUW	1:53.28 1:53.35 1:53.40 1:53.40 1:53.64 1:54.81 1:54.81 1:54.80 1:54.75 1:55.74 1:55.74 1:55.74 1:55.75 1:56.05 1:56.05 1:56.05 1:56.76 1:57.83 1:57.8	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, ITa Tim Ford, AUS Kalle Elias, SWE Rojer Madruga, BRA Franck Lacone, FRA Bruce Berger, CAN Bright Brig	47.11 1 50.55 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffer, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Pation Resirepo, COL 1 Peler Lang, FRG 1 Consolation Finals Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 2 John Clark, CAN 2 John Moffer, CAN 2 John Moffer, CAN 2 John Moffer, CAN 3 John Moffer, CAN 3 John Moffer, CAN 3 John Moffer, USA 4 John Moffer, USA 4 John Moffer, USA 4 John Moffer, CAN 2 John Moffer, CAN 3 John Moffer, CAN 3 John Moffer, USA 4 John Moffer, CAN 4 John Moffer, FRG 1 John Cark, CAN 3 John Moffer, CAN 4 John Moffer, CAN 5 John Moffer, CAN 6 John Moffer, CAN 8 John Moffer, CAN 8 John Moffer, CAN 9 John Moffer, CAN 9 John Moffer, CAN 1 John Moffer, CAN 1 John Moffer, CAN 1 John Clark, CAN 2 John Clark, CAN 2 John Clark, CAN 2 John Clark, CAN 2 John Clark, CAN 3 John Clark, CAN 4 John Clark, CAN 4 John Clark, CAN 5 John Clar	1:02.75# :02.82‡ :03.15; :03.89; :03.92† :04.72 :04.39; :04.94; :05.18; :05.18; :05.50; :05.61; :05.61; :00.63; :04.10; :04.41; :04.41; :04.48; :05.50; :05.61; :05.50; :05.61; :05.50; :05.61; :05.50; :05.61; :05.50; :05.61; :05.50; :05.61; :05.50; :05.61; :05.50; :05.61; :05.50; :05.61; :05.50; :05.61; :05.50; :05.61; :06.62; :06.92; :06.92; :06.94; :06.92; :06.94;
RODERIA Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Patly Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.30   Carayna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:54.18   Rickie Binning, AUS   4:56.67   Rickie Binning, AUS   4:56.67   Rina Gerassimova, USSR   4:56.31   Katine Bomstad, NOR   4:58.28   Achelte Philipsson, CAN   5:02.71   Kinna Gerassimova, USSR   5:04.93   Doris Wiebke, FRG   5:05.512   Maria Scott, GBR   5:06.48   Roberta Felotti, ITA   5:06.97   Sonja Haustaden, AUT   5:08.58   Jane Admans, GBR   5:09.40   400 M MEDLEY RELAY—Aug. 6   Championship Finals   Championship Finals   Championship Finals   Championship Finals   Championship Finals   DDR   4:05.88   Kristin Otto   1:01.72   Ule Geweniger   1:09.98   Birgit Meineke   54.71   USA   4:08.12   Sue Walsh   1:03.04   Kim Rhodenhaugh   1:10.8   Kim Rhodenhaugh	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richter, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidl, FRG Andrea Ceccarini, ITA Willined Kuhlem, FRG Greg Fasala, AUS Edward Maasdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA	58.94 DO 3.47.53* 3.48.84 3.49.31 3.51.81 3.52.07 3.54.02 3.54.26 3.54.90 3.55.20 50.25 50.25 50.25 50.32 50.70 51.31 51.68 51.16 51.48 51.16 51.48 51.16 51.96 51.98 52.20 49.60.#	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francors, VEN Taihei Saka, JPN Stvetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Hladky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scoil Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Olego Quiroga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allian Marsh, JAM Yocash Lifshitz, ISR Paul Thalund, DEN Sarin Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Sad Al-Hershano KIUW	1:53.28 1:53.35 1:53.40 1:53.40 1:53.64 1:54.81 1:54.81 1:54.80 1:54.75 1:55.74 1:55.74 1:55.74 1:55.75 1:56.05 1:56.05 1:56.05 1:56.76 1:57.83 1:57.8	Peter Szmidt, CAN Alajandro Lecot, ARG Files, SWE Rojer Madruga, BRA Franck Lacono, FRA Bruce Berger, CAN Brinche Larranega, PER Lose Marte Larranega, PER Lose Marte Larranega, PER Lose Jan Winkel, HOL Lose Marte Larranega, PER Lose Jan Winkel Lose Jan Jan Lose	47.11 1 50.053 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 John Moffet, USA 5 Adrian Moorhouse, GBR 1 Addrian Moorhouse, GBR 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dmitri Volkov, USSR 1 Addrian Moorhouse, GBR 1 Steinen Dagon, SUI 1 Raffaele Avagnano, ITA 1 Luiz Carvalho, BRA 1 Prelims Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Yuriy Kis, USSR 1 Pablo Restrepo, COL 1 Peter Lang, FRG 1 John Clark, CAN 1 Steve Landquist, USA 1 John Clark, CAN 1 Steve Lundquist, USA 1 Adrian Moorhouse, GBR 1 Stere Lang, FRG 1 John Clark, CAN 1 Steve Landquist, USA 1 John Clark, CAN 1 Steve Landquist, USA 1 Adrian Moorhouse, GBR 1 Stere Stere, COL 1 Stere Lang, FRG 1 John Clark, CAN 1 Steve Landquist, USSR 1 Stere Lang, FRG 1 Stere Lang,	1 (102.75# (103.15 (10
Roberta Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Jane Admans, GBR   5:07.75   Prelims   Ferlims   Ferlims   Ferlims   Fetra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   4:49.45   Rathy Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:53.30   4:53.37   Grazyna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:54.16   Rickie Binning, AUS   4:56.67   Rathy Garage   4:54.67   Rathy Garage   4:56.31   Rathy Garage   4	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mostre, VEN Andreas Schmidl, FRG Andrea Geccarini, ITA Willfried Kuhlem, FRG Greg Fasala, AUS Edward Massdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Rowdy Gaines, USA Rik Birbber, DDR Chris Cavanaugh, USA Rowdy Gaines, USA	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:51.81 3:52.07 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:55.03 50.21 50.21 50.25 50.25 50.32 50.25 50.32 50.65 51.96 51.98 551.16 551.96 51.98 552.10 552.20 49.60.#	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francores, VEN Talhei Saka, JPN Talhei Saka, JPN Talhei Saka, JPN Talhei Saka, JPN Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknect, POR Josel Haddy, TCH Carlos Venskir, ISV Murat Ozuak, TUR Mir Shamir, ISR Fabin Ferrari, ARG Diego Outga, EVD Shigeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocahy Lifshitz, ISR Paul Thalund, DEN Enrique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Fenal Larranega, PER Edham Al-Seil, KUW	1:53.28 1:53.35 1:53.40 1:53.40 1:53.64 1:54.81 1:54.81 1:54.80 1:54.75 1:55.74 1:55.74 1:55.74 1:55.75 1:56.05 1:56.05 1:56.05 1:56.76 1:57.83 1:57.8	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, ITa Tim Ford, AUS Kallo Elias, SWE Rojer Madruga, BRA Franck Lacone, FRA Bruce Berger, CAN Brace Bra	47.11 50.55 5.10 55.51 6.55 5.10 55.51 6.55 5.10 55.51 6.55 5.10 55.52 4.55 5.10 55.52 4.55 5.10 55.52 4.55 5.10 55.52 4.55 5.10 55.52 6.55 5.10 55.52 6.55 5.10 55.52 6.55 5.10 5.10 5.10 5.10 5.10 5.10 5.10 5	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA John Moffer, USA Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Folier Lang, FRG Consolation Finals Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Borios, FRA 1 John Clark, CAN 2 Dilvier Borios, FRA 1 Dmilir Volkov, USSR 1 Elienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 LUIZ Carvalin, BRA 1 LUIZ Carvalin, BRA 1 Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffel, USA 1 John Moffel, USA 1 John Moffel, USA 1 John Moffel, USA 1 John Clark, CAN 1 Steve Lundquist, USA 1 John Moffel, USA 1 John Clark, CAN 1 Steve Lundquist, USA 2 John Clark, CAN 2 John Clark, CAN 2 John Clark, CAN 2 John Clark, CAN 3 John Clark, CAN	1:02.75# :02.82‡ :03.15 :03.15 :03.89 :03.92† :04.72 :04.39 :04.94 :05.18 :05.50 :05.61 :05.56 :00.05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :05.61 :00.05 :06.92 :06.93 :06.93
Hoberta Felotti, ITA   4:59.73   Hoberta Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Yane Admans, GBR   5:07.75   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.83   Kathleen Nord, DDR   4:49.45   Patty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:50.61   Michelle MacPherson, CAN   4:50.373   Grazyna Dziedzic, POL   4:53.90   Petra Zindfer, FRG   4:54.16   Rickie Binning, AUS   4:54.67   Rickie Binning, AUS   4:54.67   Ririna Gerassimova, USSR   4:56.31   Katinne Bomslad, NOR   4:58.28   Anelte Philipsson, SWE   4:58.40   Cheryl Gibson, CAN   5:02.71   Trina Chipleva, USSR   5:04.93   Doris Wiebke, FRG   5:05.12   Amaria Scotl, GBR   5:06.49   Roberta Felotti, ITA   5:06.97   Sonja Hausladen, AUT   5:08.58   Jane Admans, GBR   5:09.40   400 M MEDLEY RELAY—Aug   6   Championship Finals   DR   Kristin Otto   1:01.72   Ule Geweniger   1:09.96   Ines Geissler   59.59   Birgit Meineke   54.71   USA   4:08.12*   Sue Walsh   1:03.04   Kim Rhoderbaugh   1:11.06   Mary T. Meagher   58.94   Jill Sterkel   55.38   USSR   55.38   USSR   USSR   USSR   55.38   USSR   USSR   USSR   20.50   Art Ricking   25.50   E.50	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mostre, VEN Andreas Schmidl, FRG Andrea Geccarini, ITA Willfried Kuhlem, FRG Greg Fasala, AUS Edward Massdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Rowdy Gaines, USA Rik Birbber, DDR Chris Cavanaugh, USA Rowdy Gaines, USA	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:51.81 3:52.07 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:55.03 50.21 50.21 50.25 50.25 50.32 50.25 50.32 50.65 51.96 51.98 551.16 551.96 51.98 552.10 552.20 49.60.#	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-off: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francores, VEN Talhei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Paul Rowe, AUS Paulo Frischkneci, POR Josef Hadky, TGH Carlos Henao, COL Siefan Volery, SUI Frantz Mortensen, DEN Scol Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Quiroga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocaby Lifshitz, ISR Paul Thalund, DEN Enrique Conterno, PER Sadri Ozun, TUR Jose Marle Larranega, PER Edham Al-Seil, KUW Sad Ah-Hershann, KUW Pelle Holmertz, SWE	1:53.28 1:53.35 1:53.40 1:53.40 1:53.64 1:54.81 1:54.81 1:54.80 1:54.75 1:55.74 1:55.74 1:55.74 1:55.75 1:56.05 1:56.05 1:56.05 1:56.76 1:57.83 1:57.8	Peter Szmidt, CAN Alajandro Lecot, ARG Franck Lacono, FRA Bruce Berger, CAN Branck Eurannega, PER Branck Laconoga, PER Branck Eurannega, PER Brauf Easter, GBR Brauf Easter, GBR Brauf Easter, GBR Brauf Easter, GBR Brauf State, GBR Brauf Stat	47.11 1 50.053 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 6 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 John Clark, CAN 1 Steve Lundquist, USA 1 John Clark, CAN 1 Steve Lundquist, USA 1 John Moffet, USA 1 John Clark, CAN 1 Steve Lundquist, USA 1 John Clark, CAN 1 Steve Lang, FRG 1 John Clark, CAN 1 Steve Lang, FRG 1 John Clark, CAN 1 Steve Lang, SHG 1 John Clark, CAN 1 Steve	1 (102.75# (102.75# (102.75# (103.15 (
Roberta Felotti, ITA   159,73   Rickie Binning, AUS   501,60   Sonja Haustaden, AUT   5.05,11   Songa Haustaden, AUT   5.05,11   S	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mostre, VEN Andreas Schmidl, FRG Andrea Geccarini, ITA Willfried Kuhlem, FRG Greg Fasala, AUS Edward Massdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Rowdy Gaines, USA Rik Birbber, DDR Chris Cavanaugh, USA Rowdy Gaines, USA	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:51.81 3:52.07 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:54.02 3:55.03 50.21 50.21 50.25 50.25 50.32 50.25 50.32 50.65 51.96 51.98 551.16 551.96 51.98 552.10 552.20 49.60.#	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francors, VEN Taihei Saka, JPN Sivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richier, DDR Thierry Jacot, SUI Philip Hubble, GBR Falled Holmer, DBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Hadky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scoli Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Olego Guiroga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocap Li Ishitz, ISR Paul Thalund, DEN Enrique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Pelle Holmertz, SWE	1:53.28 1:53.35 1:53.35 1:53.40 1:53.40 1:54.61 1:54.62 1:54.41 1:54.82 1:54.41 1:54.75 1:55.54 1:55.57 1:55.57 1:55.59 1:56.60 1:56.76 1:56.60 1:56.76 1:57.80 1:57.8	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, ITa Tim Ford, AUS Kalle Elias, SWE Rojer Madruga, BRA Franck Iacono, FRA Bruce Berger, CAN Brace Bra	47.11 50.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.10	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Patio Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Dmitri Volkov, USSR 1 Peter Berggren, SWE 1 Etienne Dagon, SUI 1 Ralfaele Avagnano, ITA 1 Luiz Carvalho, BRA 7 Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Yuriy Kis, USSR 1 Pablo Restrepo, COL 1 Peter Evans, AUS 1 John Clark, CAN 1 Peter Lang, FRG 1 Peter Evans, AUS 1 John Clark, CAN 1 Peter Lang, FRG 1 Peter Evans, AUS 1 John Clark, CAN 1 Ralfaele Avagnano, ITA 1 Ralfaele Ava	1:02.75# :02.82† :03.15:03.15:03.15:03.89 :03.92:04.72 :04.39:04.74 :05.18:05.54 :05.50 :05.61 :05.50 :05.61 :05.50 :05.61 :05.50 :05.61 :05.50 :05.61 :05.50 :05.61 :05.50 :05.61 :05.50 :05.61 :05.50 :05.61 :05.50 :05.61
Roberta Felotti, ITA   4:59.73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11*   Songa Haustaden, AUT   5:05.17*   Prelims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.83   Kathleen Nord, DDR   4:49.45   Patty Gavin, USA   4:50.61   Michelle MacPherson, CAN   4:50.61   Michelle MacPherson, CAN   4:53.79   Grazyna Dziedzic, POL   4:53.90   Fetra Zinder, FRG   4:54.67   Rickie Binning, AUS   4:54.67   Rickie Binning, AUS   4:56.31   Katine Bornstad, NOR   4:58.28   Ashelte Philipsson, SWR   4:58.28   Ashelte Philipsson, SWR   5:05.12   Ashelte Philipsson, SWR   5:05.12   Ashelte Philipsson, CAN   5:06.97   Sonja Haustaden, AUT   5:08.59   Jane Admans, GBR   5:09.40   400 M MEDLEY RELAY—Aug. 6   Championship Finals DR   4:05.88   Ashelte Philipsson, SWR   5:09.40   400 M MEDLEY RELAY—Aug. 6   Championship Finals DR   4:05.88   Ashelte Philipsson, SWR   5:09.40   400 M MEDLEY RELAY—Aug. 6   Championship Finals DR   4:05.88   Ashelte Philipsson, SWR   5:09.40   Ashelte Philipsson, SWR   5:09.40   Ashelte Philipsson, SWR   5:09.90   Ashelte Philipsson, SWR   5:09	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Howdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richter, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidl, FRG Andrea Ceccarini, ITA Willriad Kuhlem, FRG Greg Fasala, AUS Edward Massdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Rowdy Gaines, USA Olrk Richter, DDR Per Johansson, SWE Pelle Hollmertz, SWF	58.94 DO 3.47.53* 3.48.84 3.49.31 3.51.81 3.52.07 3.54.02 3.54.26 3.54.30 3.57.58 3.58.66 50.25 50.25 50.25 50.32 50.70 51.31 51.68 51.16 51.48 51.16 51.48 51.16 51.98 52.20 49.60.# 49.99 50.22 49.60.# 49.99 50.22 49.60.#	J. 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Fernando Canales, PUR Kees Veervoorn, HOL Jean Francores, VEN Talhei Saka, JPN Talhei Saka, JPN Talhei Saka, JPN Talhei Saka, JPN Filiberto Colon, GBR Paul Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknect, POR Josel Hadsy, TCH Carlos Henao, COL Siefan Volery, SUI Frantz Mortensen, DEN Scoll Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Gulroga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocahy Lifshitz, ISR Paul Thalund, DEN Enrique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Sad Ah-Hershann, KUW Pelle Holmertz, SWE  400 M FREESTYLE—Aug, 5 Champlonship Finals Finals Finals Finals Finals  Finals  Finals  Finals  France  Fra	1:53 28 1:53 28 1:53 35 1:53 36 1:53 40 1:54 32 1:54 41 1:54 41 1:54 47 1:54 47 1:55 47 1:55 54 1:55 47 1:55 67 1:56 65 1:56 67 1:56 69 1:56 69 1:56 69 1:57 21 1:57 21 1:57 83 1:57 83 1:57 83 1:57 83 1:58 80 1:57 21 1:57 83 1:58 80 1:57 21 1:57 83 1:58 80 1:57 21 1:57 83 1:57 8	Peter Szmidt, CAN Alajandro Lecot, ARG Riuce Berger, CAN Bruce Berger, CAN Bruce Berger, CAN Bruce Berger, CAN Bruce Berger, CAN Branche Larranega, PER Branche Larranega, PER Boberto Becerra, COL Adol Al-Assarl, KUW  100 M BACKSTROKE—Aug. 6 Championship Finals Dirk Richter, DDR Rick Carey, USA Vladimir Shemetov, USSR Sandor Wladar, HUN Victor Kouzretsov, USSR Sandor Wladar, HUN Victor Kouzretsov, USSR Sandor Wladar, HUN Stefan Peter, FRG Josef Hladky, TGH Hidetooni Takahashi, JPN Francisco Benitez, ESP Conrado Porta, ARG Ricardo Aldabe, ESP Edsard Schlingemann, HOL Prelims Dirk Richter, DDR Vladimir Shemetov, USSR Sondor Wladar, HUN Sick Carey, USA Vladimir Shemetov, USSR Frank Baltrusch, DDR Stefan Peter, FRG Josef Hladky, TGH Hidetooni Takahashi, JPN Francisco Benitez, ESP Conrado Porta, ARG Ricardo Aldabe, ESP Edsard Schlingemann, HOL Prelims Dirk Richter, DDR Sondor Wladar, HUN Sick Carey, USA Wade Flemons, CAN Frank Baltrusch, DDR Sandor Wladar, HUN Sick Carey, USA	47.11 50.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.55 5.10 5.10	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Patio Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Dmitri Volkov, USSR 1 Peter Berggren, SWE 1 Etienne Dagon, SUI 1 Ralfaele Avagnano, ITA 1 Luiz Carvalho, BRA 7 Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Yuriy Kis, USSR 1 Pablo Restrepo, COL 1 Peter Evans, AUS 1 John Clark, CAN 1 Peter Lang, FRG 1 Peter Evans, AUS 1 John Clark, CAN 1 Peter Lang, FRG 1 Peter Evans, AUS 1 John Clark, CAN 1 Ralfaele Avagnano, ITA 1 Ralfaele Ava	1:02.75# :02.82‡ :03.15; :03.15; :03.82; :03.92; :04.72 :04.39; :04.44; :05.18; :05.18; :05.50; :05.61; :05.50; :05.61; :05.30; :06.41; :04.46; :04.46; :04.46; :05.77; :05.90; :05.61; :05.50; :06.61; :06.50; :06.61; :07.61; :07.61; :08.61; :09.61
Roberta Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11   Songa Haustaden, AUT   5:05.11   Songa Haustaden, AUT   5:05.11   Songa Haustaden, AUT   5:05.17   Prelims   Petra Schneider, DDR   4:43.45   Tracy Caulkins, USA   4:47.63   4:49.45   Rathleen Nord, DDR   4:49.45   Rathleen Nord, DDR   4:53.30   4:50.61   Michelle MacPherson, CAN   4:53.37   Grazyna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:53.90   Grazyna Dziedzic, POL   4:54.16   Rickie Binning, AUS   4:56.67   Rathleen Bomstad, NOR   4:56.67   Rathleen Bomstad, NOR   4:56.27   Rathleen Bomstad, NOR   4:58.28   A:56.31   Kalrine Bomstad, NOR   4:58.28   A:50.27   Rathleen Bomstad, NOR   4:59.27   Rathleen Bomstad, NOR   5:02.71   Rathleen Bomstad, NOR   4:59.29   Rathleen Bomstad, NOR   5:00.49   Rathleen Bomstad, NOR   5:00.49   Rathleen Bomstad, NOR   5:00.49   Rathleen Bomstad, NOR   5:00.49   Rathleen Bomstad, NOR   6:00.49   Rath	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richter, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidt, FRG Andrea Ceccarini, ITA Willfried Kuhlem, FRG Greg Fasala, AUS Edward Massdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Rowdy Gaines, USA Olrk Richter, DDR Per Johansson, SWE Pelle Holmertz, SWE Hans Kroes, HOL Cvro Delgada BRA	58.94 DO 3.47.53* 3.48.84 3.49.31 3.51.81 3.52.07 3.54.02 3.54.26 3.54.30 3.59.36 3.59.36 50.21 50.25 50.25 50.32 50.70 51.31 51.68 51.16 51.48 51.16 51.98 52.10 52.20 49.60.# 49.99 50.22 49.60.# 49.99 50.22 49.60.# 50.68 51.11 51.54	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francors, VEN Taihei Saka, JPN Sivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Hladky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scoil Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Olego Quiroga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocash Lifshitz, ISR Paul Thalund, DEN Earlique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Sad Ah-Hershann, KUW Pelle Holmertz, SWE  400 M FREESTYLE—Aug, 5 Champlonship Finals Vladimir Salmikov, USSR	1:53.28 1:53.35 1:53.35 1:53.40 1:53.40 1:54.81 1:54.81 1:54.80 1:54.80 1:54.75 1:55.34 1:55.75 1:55.54 1:55.57 1:55.51 1:56.60 1:56.76 1:56.93 1:57.80 1:57.8	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, 17 Im Ford, AUS Kalle Elias, SWE Rojer Madruga, BRA Franck Lacono, FRA Bruce Berger, CAN Brace	47.11 50.55 5.10 55.50 5.10 55.51 5.10 55.51 5.10 55.52 4.10 55.52	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 Pation Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dmitri Volkov, USSR 1 Peter Berggren, SWE 1 Etienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Luiz Carvaiho, BRA 1 Pretime Volkov, USSR 1 Peter Berggren, SWE 1 Pation Moorhouse, GBR 1 Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Patier Lang, FRG 1 Poter Evans, AUS 1 John Clark, CAN 1 Steve Lundquist, USA 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Patier Serger, FRG 1 Poter Evans, AUS 1 John Clark, CAN 1 Etienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Raffaele	1:02.75# (102.82† (103.15 (103
Roberta Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11   Songara Felims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Fatty Cavin, USA   4:59.30   A:59.61   Michelle MacPherson, CAN   4:53.32   Lisa Curry, AUS   4:53.37   Grazyna Dziedzic, POL   4:53.90   Selza Zuryna Dziedzic, POL   4:53.40   Selza Zuryna Dziedzic, POL   4:54.16   Rickie Binning, AUS   4:56.31   Katrine Bomstad, NOR   4:58.28   A:56.11   Katrine Bomstad, NOR   4:58.20   Anette Philipsson, SWE   4:58.40   Chery Gibson, CAN   5:02.71   Irina Chyleva, USSR   5:06.48   Anette Philipsson, SWE   5:06.48   Anette Philipsson, CAN   5:02.71   Irina Chyleva, USSR   5:06.49   Anette Philipsson, CAN   5:06.75   Sonja Haustaden, AUT   5:08.58   Jane Admans, GBR   5:05.12   Maria Scott, GBR   5:06.48   Admans, GBR   5:09.40   Amis Secular   5:09.59   Birgit Meineke   5:47.11   USA   4:00.12   Sue Walsh   1:09.40   Kim Rhoderbaugh   1:10.66   Mary T. Meagher   5:8.84   Jill Sterkel   5:5.38   USSR   4:12.36   Larissa Gortchakova   5:5.85   Svettana Varganova   5:5.85   5:5.85   English Meineke   5:5.38   USSR   4:12.36   Larissa Gortchakova   5:5.85   5:5.85   English Meineke   5:5.38   USSR   4:12.36   Larissa Gortchakova   5:5.85   5:5.85   English Meineke   5:5.38   USSR   4:12.36   Larissa Gortchakova   5:5.85   USSR   4:12.36   Laris	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richter, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidt, FRG Andrea Ceccarini, ITA Willfried Kuhlem, FRG Greg Fasala, AUS Edward Massdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Rowdy Gaines, USA Olrk Richter, DDR Per Johansson, SWE Pelle Holmertz, SWE Hans Kroes, HOL Cvro Delgada BRA	58.94 DO 3.47.53* 3.48.84 3.49.31 3.51.81 3.52.07 3.54.02 3.54.26 3.54.30 3.59.36 3.59.36 50.21 50.25 50.25 50.32 50.70 51.31 51.68 51.16 51.48 51.16 51.98 52.10 52.20 49.60.# 49.99 50.22 49.60.# 49.99 50.22 49.60.# 50.68 51.11 51.54	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA Fernando Canales, PUR Kees Veervoorn, HOL Jean Francores, VEN Talhei Saka, JPN Stivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknect, POR Josel Hardky, TCH Carlos Henao, COL Siefan Volery, SUI Frantz Mortensen, DEN Scoll Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Outga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocaby Lifshitz, ISR Paul Thalund, DEN Enrique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Sad Ah-Hershann, KUW Pelle Holmertz, SWE  400 M FREESTYLE—Aug, 5 Champlonship Finals Visidnish Semeone, HISSP	1:53 28 1:53 28 1:53 35 1:53 35 1:53 40 1:54 32 1:54 41 1:54 41 1:54 47 1:54 47 1:55 47 1:55 53 1:56 47 1:56 65 1:56 65 1:56 69 1:56 69 1:56 69 1:57 21 1:57 20 1:57 2	Peter Szmidt, CAN 154 Alajandro Lecot, ARG 154 Alajandro Lecot, ARG 154 Andrea Calabria, 174 Tim Ford, AUS 155 Kallo Elias, SWE 155 Rojer Madruga, BRA 156 Franck Lacono, FRA 166 Franck Lacono, FRA 167 Bruce Berger, CAN 160 Lose Marie Larranega, PER 162 David Stacey, GRR 162 Paul Easter, GBR 162 Paul Easter, GBR 162 David Stacey, GRR 162 David Stacey, GRR 162 David Stacey, GRR 162 Alador Stacey, USA 163 Alador Stacey, USA 164 Alador	47.11 1 50.55 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA John Moffel, USA Adrian Moorhouse, GBR 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dmiliri Volkov, USSR 1 Petter Berggren, SWE 1 Etienne Dagon, SUI 1 Ralfaele Avagnano, ITA 1 Liuz Carvaiho, BRA 1 Prelims 1 Volkov, USSR 1 Adrian Moorhouse, GBR 1 Adrian Moo	1 (102.75# (102.82‡ (103.15 (1
Roberta Felotti, ITA   4:59,73   Rickie Binning, AUS   5:01.80   Sonja Haustaden, AUT   5:05.11   Songara Felims   Petra Schneider, DDR   4:43.15   Tracy Caulkins, USA   4:47.63   Kathleen Nord, DDR   4:49.45   Fatty Cavin, USA   4:59.30   A:59.61   Michelle MacPherson, CAN   4:53.32   Lisa Curry, AUS   4:53.37   Grazyna Dziedzic, POL   4:53.90   Selza Zuryna Dziedzic, POL   4:53.40   Selza Zuryna Dziedzic, POL   4:54.16   Rickie Binning, AUS   4:56.31   Katrine Bomstad, NOR   4:58.28   A:56.11   Katrine Bomstad, NOR   4:58.20   Anette Philipsson, SWE   4:58.40   Chery Gibson, CAN   5:02.71   Irina Chyleva, USSR   5:06.48   Anette Philipsson, SWE   5:06.48   Anette Philipsson, CAN   5:02.71   Irina Chyleva, USSR   5:06.49   Anette Philipsson, CAN   5:06.75   Sonja Haustaden, AUT   5:08.58   Jane Admans, GBR   5:05.12   Maria Scott, GBR   5:06.48   Admans, GBR   5:09.40   Amis Secular   5:09.59   Birgit Meineke   5:47.11   USA   4:00.12   Sue Walsh   1:09.40   Kim Rhoderbaugh   1:10.66   Mary T. Meagher   5:8.84   Jill Sterkel   5:5.38   USSR   4:12.36   Larissa Gortchakova   5:5.85   Svettana Varganova   5:5.85   5:5.85   English Meineke   5:5.38   USSR   4:12.36   Larissa Gortchakova   5:5.85   5:5.85   English Meineke   5:5.38   USSR   4:12.36   Larissa Gortchakova   5:5.85   5:5.85   English Meineke   5:5.38   USSR   4:12.36   Larissa Gortchakova   5:5.85   USSR   4:12.36   Laris	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidt, FRG Andrea Ceccarin, ITA Wilfried Kuhlem, FRG Greg Fasata, AUS Edward Maasdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Rowdy Gaines, USA Dirk Richter, DDR Per Johansson, SWE Pelle Hollmertz, SWE Hans Kroes, HOL Cyro Delgado, BRA Alberto Mestre, VEN Anserson, SWE Hans Kroes, HOL Cyro Delgado, BRA Alberto Mestre, VEN Amercello Guarducci, ITA	58,94 DO 3:47,53: 3:48,84 3:48,84 3:51,81 3:51,81 3:52,07 3:54,02 3:54,06 3:55,43 3:57,58 3:58,86 50,18 50,21 50,25 50,70 51,181 51,78 51,88 51,18	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim-olf: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francors, VEN Taihei Saka, JPN Sivetan Golomeev, BUL Stuart Harris, GBR Carlos Scanavind, URU Dirk Richier, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Hadky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scoli Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Olego Guiroga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocahy Lifshitz, ISR Paul Thalund, DEN Earrique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Sad Ah-Hershann, KUW Pelle Holmertz, SWE  400 M FREESTYLE—Aug, 5 Champlonship Finals Viendiamir Salnikov, USSR Sviatoslaw Semenov, USSR Sviatoslaw Semenov, USSR	1:53.28 1:53.35 1:53.35 1:53.40 1:53.40 1:54.81 1:54.81 1:54.82 1:54.81 1:54.80 1:54.75 1:55.74 1:55.74 1:55.75 1:55.81 1:56.80 1:56.93 1:57.87 1:57.80 1:57.87 1:57.80 1:57.8	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, 17 Im Ford, AUS Kalle Elias, SWE Rojer Madruga, BRA Franck Lacono, FRA Bruce Berger, CAN Bruce Berger, CEN Branch Learnanga, PER Board Stacey, GBR Branch Bra	47.11 1 50.53 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffet, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yuriy Kis, USSR 1 Paulo Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 Dillier Borios, FRA 1 Dmitri Volkov, USSR 1 Peter Berggren, SWE 1 Etienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Luiz Carvaiho, BRA 1 Prelims Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffet, USA 1 John Clark, CAN	1:02.75# (102.82† (103.13 (103.15 (103.15 (103.19 (103.15 (103.19 (103.92 (103
Roberta Felotti, ITA   4:59.73	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidt, FRG Andrea Ceccarin, ITA Wilfried Kuhlem, FRG Greg Fasata, AUS Edward Maasdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Rowdy Gaines, USA Dirk Richter, DDR Per Johansson, SWE Pelle Hollmertz, SWE Hans Kroes, HOL Cyro Delgado, BRA Alberto Mestre, VEN Anserson, SWE Hans Kroes, HOL Cyro Delgado, BRA Alberto Mestre, VEN Amercello Guarducci, ITA	58,94 DO 3:47,53: 3:48,84 3:48,84 3:51,81 3:51,81 3:52,07 3:54,02 3:54,06 3:55,43 3:57,58 3:58,86 50,18 50,21 50,25 50,70 51,181 51,78 51,88 51,18	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veerwoorn, HOL Jean Francons, VEN Talhei Saka, JPN Stivetan Golomeev, BUL Stratt Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischkneci, POR Josef Haddy, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scol I Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Guiroga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allan Marsh, JAM Yocahy Lifshilz, ISR Paul Thalund, DEN Enrique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Sad Ah-Hershann, KUW Pelle Holmertz, SWE  400 M FREESTYLE—Aug, 5 Champlonship Finals Vladimir Salnikov, USSR Sviet Solavo Semenov, USSR Sven Lodziewski, DDR	1:53 28 1:53 28 1:53 35 1:53 35 1:53 40 1:54 32 1:54 41 1:54 43 1:54 41 1:54 47 1:54 47 1:55 53 1:55 81 1:56 75 1:55 81 1:56 93 1:56 83 1:57 21 1:57 83 1:57 83 1:57 83 1:58 93 1:58 9	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, ITa Tim Ford, AUS Kalle Elias, SWE Rojer Madruga, BRA Franck Lacon, FRA Bruce Berger, CAN Bright Lacranega, PER Bowid Stacey, GBR 162 Scott Newtrik, ISV Roberto Becerra, COL Adel Al-Assart, KUW 201  100 M BACKSTROKE—Aug-6 Championship Finals Dirk Richter, DDR Kick Carey, USA Viadimir Shemetov, USSR Sandor Wladar, HUN Victor Kouznetsov, USSR Cray Brill, USA Wade Flemons, CAN Frank Baltrusch, DDR Kie West, CAN Stefan Peter, FRG Josaf Hladky, TCH Hidetoshi Takahashi, JPN Francisco Benitez, ESP Conrado Porta, ARG Ricardo Aldabe, ESP Edaerd Schingemann, HOL Prelims Dirk Richter, DDR Sindow Wladar, HUN Sich Carey, USA Sandor Wladar, HUN Sich Carey, USA Sandor Wladar, HUN Sich Carey, USA Sandor Wladar, HUN Sich Carey, USA Sengt Baron, SWE Stefan Peter, FRG Sich Peter, FRG Sic	47.11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA John Moffer, USA Adrian Moorhouse, GBR 1 Adrian Finals Consolation Finals Cerald Moerken, FRG 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dmiliri Volkov, USSR 1 Petter Berggren, SWE 1 Litienne Dagon, SUI 1 Ralfaele Avagnano, ITA 1 Litien Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Peter Lund, USSR 1 Peter Lang, FRG 1 Peter Evans, AUS 1 John Clark, CAN 1 Steve Lindquist, USSR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Eter Evans, AUS 1 John Clark, CAN 1 Steve Lindquist, USSR 1 Adrian Moorhouse, GBR 1 Tetrian Moo	1 (102.75# (102.82‡ (103.15 (1
Roberta Felotti, ITA   4:59.73	USSR  Prelims  Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland  MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richler, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidt, FRG Andrea Cecarini, ITA Wilfried Kuhlem, FRG Greg Fasala, AUS Edward Maasdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Rowdy Gaines, USA Dirk Richter, DDR Per Johansson, SWE Pelle Hollmertz, SWE Hans Kroes, HOL Cyro Delgado, BRA Alberto Mestre, VEN Anreclo Guarducci, ITA Alosi Guarducci, ITA Alosi Guarducci, ITA Alosi Guarducci, ITA Alosi Markovski, USSR Andrea Cecarini, ITA Alosi Guarducci, ITA Alosi Markovski, USSR	58,94 DO 3:47,53: 3:48,84 3:48,84 3:51,81 3:51,81 3:52,07 3:54,02 3:54,06 3:55,43 3:57,58 3:58,86 50,18 50,21 50,25 50,70 51,18	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernandes BRA. Fernandes BRA. Fernandes Canales, PUR Kees Veervoorn, HOL Jean Francores, VEN Talhei Saka, JPN Stivetan Golomeev, BUL Struart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknect, POR Josef Hadsy, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scoll Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Outga, FUR Bich Saeger, USA Allan Marsh, JAM Yocahy Lifshitz, ISR Paul Thatund, DEN Enrique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Sad Ah-Hershann, KUW Pelle Holmertz, SWE  400 M FREESTYLE—Aug, 5 Champlonship Finals Vladimir Salnikov, USSR Svien Lodziewski, DDR	1:53 28 1:53 28 1:53 35 1:53 35 1:53 40 1:54 32 1:54 41 1:54 41 1:54 41 1:54 47 1:54 47 1:55 54 1:55 54 1:55 54 1:55 64 1:56 65 1:56 65 1:56 65 1:56 65 1:56 65 1:56 65 1:57 21 1:57 20 1:57 2	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, 17 Im Ford, AUS Kalle Elias, SWE Rojer Madruga, BRA Franck Lacono, FRA Bruce Berger, CAN Brace	47.11 1 50.53 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Yuriy Kis, USSR 1 Young Kis, USSR 1 Yuriy K	1:02.75# (102.82† (103.15 (103
Roberta Felotti, ITA   4:59.73	USSR  Prelims  Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland  MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Cyro Delgado, BRA Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidl, FRG Andrea Ceccarini, ITA Wilfried Kuhlem, FRG Greg Fasala, AUS Edward Maasdijk, HOL Prel Johansson, SWE Pelle Hollmertz, SWE Holling Greg Fasala, AUS Edward Maasdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Dirk Richter, DDR Chris Cavanaugh, USA Dirk Richter, DDR Per Johansson, SWE Pelle Hollmertz, SWE Hans Kroes, HOL Cyro Delgado, BRA Alberto Mestre, VEN Marcello Guarducci, ITA Alberto Mestre, SWE Hans Kroes, HOL Cyro Delgado, BRA Alberto Mestre, VEN Marcello Guarducci, ITA Milliried Kubbane, FEO	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26 3:55.36 3:55.86 50.21 50.22 50.70 51.16 51.48 51.16 51.48 51.16 51.48 51.16 51.98 52.20 49.60 - # 49.99 50.02 50.08 50.11 51.56 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernandes BRA. Fernandes BRA. Fernandes Canales, PUR Kees Veervoorn, HOL Jean Francores, VEN Talhei Saka, JPN Stivetan Golomeev, BUL Struart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknect, POR Josef Hadsy, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scoll Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Outga, FUR Bich Saeger, USA Allan Marsh, JAM Yocahy Lifshitz, ISR Paul Thatund, DEN Enrique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Sad Ah-Hershann, KUW Pelle Holmertz, SWE  400 M FREESTYLE—Aug, 5 Champlonship Finals Vladimir Salnikov, USSR Svien Lodziewski, DDR	1:53 28 1:53 28 1:53 35 1:53 35 1:53 40 1:54 32 1:54 41 1:54 41 1:54 41 1:54 47 1:54 47 1:55 54 1:55 54 1:55 54 1:55 64 1:56 65 1:56 65 1:56 65 1:56 65 1:56 65 1:56 65 1:57 21 1:57 20 1:57 2	Peter Szmidt, CAN Alajandro Lecot, ARG Alajandro Lecot, ARG Andrea Calabria, ITa Tim Ford, AUS Kalle Elias, SWE Rojer Madruga, BRA Franck Lacon, FRA Bruce Berger, CAN Brace Berger, CAN Brace Berger, CAN Bruce Berger, CAN Brace Berger, CAN Bruce B	47.11 1 50.53 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 Yuriy Kis, USSR 1 Patilo Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 Dmitri Volkov, USSR 1 Peter Berggren, SWE 1 Etienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Luiz Carvaiho, BRA 1 Pretims Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 John Clark, CAN 1 Steve Lundquist, CAN 1 Raffaele Avagnano, ITA 1 Raffaele Avagna	1:02.75# (102.82† (103.15 (103
Roberta Felotti, ITA   4:59.73	USSR  Prelims  Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland  MEN 100 M FREESTYLE—Aug. 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Cyro Delgado, BRA Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidl, FRG Andrea Ceccarini, ITA Wilfried Kuhlem, FRG Greg Fasala, AUS Edward Maasdijk, HOL Prel Johansson, SWE Pelle Hollmertz, SWE Holling Greg Fasala, AUS Edward Maasdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Dirk Richter, DDR Chris Cavanaugh, USA Dirk Richter, DDR Per Johansson, SWE Pelle Hollmertz, SWE Hans Kroes, HOL Cyro Delgado, BRA Alberto Mestre, VEN Marcello Guarducci, ITA Alberto Mestre, SWE Hans Kroes, HOL Cyro Delgado, BRA Alberto Mestre, VEN Marcello Guarducci, ITA Milliried Kubbane, FEO	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26 3:55.36 3:55.86 50.21 50.22 50.70 51.16 51.48 51.16 51.48 51.16 51.48 51.16 51.98 52.20 49.60 - # 49.99 50.02 50.08 50.11 51.56 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swim off: 2:08,38) Graeme Brewer, AUS Marcello Guarducci, ITA Jorge Fernandes, BRA. Fernando Canales, PUR Kees Veervoorn, HOL Jean Francors, VEN Tathel Saka, JPN Stvetan Golomeev, BUL Stuart Harris, GBR Carlos Scanasvind, URU Dirk Richter, DDR Thierry Jacol, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknecl, POR Josef Hladky, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scol Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Quiroga, ECU Shigeo Ogata, JPN Rich Saeger, USA Allian Marsh, JAM Yocash Lifshitz, ISR Paul Thalund, DEN Sori Newkirk, ISV Sori Newkirk, I	1:53.28 1:53.35 1:53.35 1:53.40 1:53.40 1:54.81 1:54.81 1:54.80 1:54.80 1:54.75 1:55.95 1:55.95 1:55.95 1:56.05 1:56.90 1:56.76 1:56.90 1:57.8	Peter Szmidt, CAN Alajandro Lecot, ARG Rice Berger, CAN Biologo Gulton, 155 Brinck Lacanon, FRA Bruce Berger, CAN Boberto Becerra, CU Add Al-Asaari, KUW 100 M BACKSTROKE—Aug. Championship Finals Dirk Richter, DDR Rick Carey, USA Valdmir Shemetov, USSR Sandor Wladar, HUN Victor Kouzerlsow, USSR Sandor Wladar, HUN Victor Kouzerlsow, USSR Sandor Wladar, HUN Stefan Peter, FRG Josef Haldky, TCH Hidetoshi Takahashi, JPN Francisco Benitez, ESP Conrado Porta, ARG Rick Carey, USA Vader Fiemons, CAN Frank Baltrusch, DDR Sandor Wladar, HUN Sa	47.11 1 50.53 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug, Championship Finals Steve Lundquist, USA 1 Victor Davis, CAN 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 Yuriy Kis, USSR 1 Patilo Restrepo, COL 1 Peter Lang, FRG 1 Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 John Clark, CAN 1 Dmitri Volkov, USSR 1 Peter Berggren, SWE 1 Etienne Dagon, SUI 1 Raffaele Avagnano, ITA 1 Luiz Carvaiho, BRA 1 Pretims Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Peter Evans, AUS 1 John Clark, CAN 1 Steve Lundquist, CAN 1 Raffaele Avagnano, ITA 1 Raffaele Avagna	1:02.75# (102.82† (103.15 (103
Roberta Felotti, ITA   4:59.73	USSR Prelims Holland DDR USA Canada USSR West Germany Japan France Great Britain Australia Switzerland MEN 100 M FREESTYLE—Aug, 3 Championship Finals Jorg Woithe, DDR Rowdy Gaines, USA Per Johansson, SWE Chris Cavanaugh, USA Dirk Richter, DDR Pelle Holmertz, SWE Cyro Delgado, BRA Hans Kroes, HOL Consolation Finals Alexi Markovski, USSR Marcello Guarducci, ITA Alberto Mestre, VEN Andreas Schmidt, FRG Andrea Ceccarini, ITA Willfried Kuhlem, FRG Greg Fasala, AUS Edward Massdijk, HOL Prelims Jorg Woithe, DDR Chris Cavanaugh, USA Rowdy Gaines, USA Dirk Richter, DDR Per Johansson, SWE Pelle Holimertz, SWE Hans Kroes, HOL Cyro Delgado, BRA Alberto Mestre, VEN Marcello Guarducci, ITA Alori Markovski, USSR Andrea Ceccarini, ITA, Millfield Kuhlem, FRG Grog Fasala, AUS	58.94 DO 3:47.53* 3:48.84 3:49.31 3:51.81 3:52.07 3:54.02 3:54.26 3:55.36 3:55.86 50.21 50.22 50.70 51.16 51.48 51.16 51.48 51.16 51.48 51.16 51.98 52.20 49.60 - # 49.99 50.02 50.08 50.11 51.56 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98 51.16 51.98	J. Carlos Vallejo, ESP. Cameron Henning, CAN (Swirn-olf: 2:08.38) Graeme Brewer, AUS Marcello Guarducci, TTA Jorge Fernandes, BRA. Fernandes BRA. Fernandes BRA. Fernandes Canales, PUR Kees Veervoorn, HOL Jean Francores, VEN Talhei Saka, JPN Stivetan Golomeev, BUL Struart Harris, GBR Carlos Scanavind, URU Dirk Richter, DDR Thierry Jacot, SUI Philip Hubble, GBR Filiberto Colon, GBR Paul Rowe, AUS Paulo Frischknect, POR Josef Hadsy, TCH Carlos Henao, COL Sielan Volery, SUI Frantz Mortensen, DEN Scoll Newkirk, ISV Murat Ozuak, TUR Nir Shamir, ISR Fabin Ferrari, ARG Diego Outga, FUR Bich Saeger, USA Allan Marsh, JAM Yocahy Lifshitz, ISR Paul Thatund, DEN Enrique Conterno, PER Sadri Ozun, TUR Jose Marie Larranega, PER Edham Al-Seil, KUW Sad Ah-Hershann, KUW Pelle Holmertz, SWE  400 M FREESTYLE—Aug, 5 Champlonship Finals Vladimir Salnikov, USSR Svien Lodziewski, DDR	1:53.28 1:53.35 1:53.35 1:53.40 1:53.40 1:54.81 1:54.81 1:54.80 1:54.80 1:54.75 1:55.95 1:55.95 1:55.95 1:56.05 1:56.90 1:56.76 1:56.90 1:57.8	Peter Szmidt, CAN Alajandro Lecot, ARG Riuce Berger, CAN Biologo Berger, COL Adel Al-Asaft, KUW  100 M BACKSTROKE—Aug. 6 Championship Finals Dirk Richter, DDR Rick Carey, USA Valdmir Shemetov, USSR Sandor Wladar, HUN Victor Kouznetsov, USSR Ciay Britt, USA Wadd Flemons, CAN Stefan Peter, FRG Josef Haldky, TCH Hidetoshi Takahashi, JPN Francisco Benitez, ESP Conrado Porta, ARG Ricardo Aldabe, ESP Edsard Schlingemann, HOL Prelims Dirk Richter, DDR Sandor Wladar, HUN Victor Kouznetsov, USSR Siclan Peter, FRG Sick Carey, USA Sandor Wladar, HUN Victor Kouznetsov, USSR Siclan Peter, FRG Sick Carey, USA Wade Flemons, CAN Victor Kouznetsov, USSR Siclan Peter, FRG Sick Carey, USA Wade Flemons, CAN Victor Kouznetsov, USSR Siclan Peter, FRG Sick Carey, USA Wade Flemons, CAN Victor Kouznetsov, USSR Siclan Peter, FRG Sick Carey, USA Mice West, CAN Hidetoshi Takahashi, JPN Sick Carey, USA Mice West, CAN Hidetoshi Takahashi, JPN Sick Carey, USA Mice West, CAN Hidetoshi Takahashi, JPN Sick Carey, USA Mice West, CAN Hidetoshi Takahashi, JPN Sick Carey, USA Mice West, CAN Hidetoshi Takahashi, JPN Sick Carey, USA Mice West, CAN Hidetoshi Takahashi, JPN Sick Carey, USA Mice West, CAN Hidetoshi Takahashi, JPN Sick Carey, USA Mice West, CAN Hidetoshi Takahashi, JPN Sick Carey, USA Mice West, CAN Hidetoshi Takahashi, JPN Sick Carey, USA Sick	47.11 1 50.53 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 M BREASTSTROKE—Aug. Championship Finals Steve Lundquist, USA John Moffer, USA Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Adrian Moorhouse, GBR 1 Peler Evans, AUS 1 Turiy Kis, USSR 1 Pablo Resirepo, COL 1 Peler Lang, FRG Consolation Finals Consolation Finals Gerald Moerken, FRG 1 John Clark, CAN 1 Olivier Borios, FRA 1 Dmilir Volkov, USSR 1 Peler Berggren, SWE 1 Eltenne Dagon, SUI 1 Raffaele Avagnano, ITA 1 LUIZ Carvaiho, BRA 1 Prelims Victor Davis, CAN 1 Steve Lundquist, USA 1 John Moffel, USA 1 Adrian Moorhouse, GBR 1 Turiy Kis, USSR 1 Pablo Resirepo, COL 1 Peter Leng, FRG 1 Peter Evans, AUS 1 John Clark, CAN 1 Gerald Moerken, FRG 1 Olivier Borios, FRA 1 Raffaele Avagnano, ITA 1 Raffaele Avagnano, ITA 1 Raffaele Avagnano, ITA 1 Smitri Volkov, USSR 2 Eltienne Dagon, SUI 2 Eltienne Dagon, SUI 2 Eltienne Dagon, SUI 3 Feter Lang, FRG 4 Elter Stang, FRG 5 Elter Lang, FRG 6 Elter Evans, AUS 7 Elter Lang, FRG 7 Elter Evans, AUS 7 Elter Lang, FRG 8 Elter Lang, FRG 8 Elter Lang, FRG 9 Elter Lang, FRG 9 Elter Lang, FRG 9 Elter Lang, FRG 1 Elter Lang, FRG 1 Elter Lang, SUE 1 Elter Lang, S	1:02.75# (102.82† (103.15 (103

## FOR THE RECORD continued

Hamd Kram, KUW 1:16.42* Semmir Al-Hadhoud, KUW 1:16.65	Serguei Fesenko, USSR 1:59.91	Prelims	Canada 3:28.80	Li Yi Hua, PRC 415.68
Yahioche Djamel, ALG DQ	Craig Beardsley, USA 2:00.08 Ricardo Prado, BRA 2:00.30†	Ricardo Prado, BRA 4:24 55 Jens-Peter Berndt, DDR 4:25 31*	Graham Welbourn 52.92 Blair Hicken 51.76	Daphne Jongemans, HOL 413 82
	Michael Kraus, FRG 2:01.13	Giovanni Franceschi, ITA 4:27.01	Wayne Kelly	Barb Bush, CAN
200 M BREASTSTROKE—Aug. 5 Championship Finals	Par Arvidsson, SWE 2:01.15 Filiberto Colon, PUR 2:01.30*	Serguei Fesenko, USSR 4:27 67	Levente Mady 52 00	Ann Fargher, NZL
Victor Davis, CAN 2:14.77**	Robert Patten, USA 2:01.79	Arne Borgstrom, NOR 4:27.75 Rojer Madruga, BRA 4:28.47	Switzerland 3:30.00 Stefan Volery 52.74	Caroline Linthuis, HOL
Robertas Zhulpa, USSR 2:16.68	Consolation Finals	Bruce Hayes, USA	Dano Halsall 51.54 Francois David 53.37	Estella de la Torre, MEX 380 43
John Molfet, USA 2:18.54 Guennadi Utenkov, USSR 2:19.22	Rafael Vidal, VEN 2:01 24* Paul Rowe, AUS 2:01 83	Jeff Kostoff, USA 4:29.72 John Davey, GBR 4:30.25	Francois David 53.37	Sonia Fernandez, ESP 375.42
Pablo Restrepo, COL 2:19.47†	Marcel Gery, TCH	Andreas Reichel, DDR 4:31.48	Thierry Jacot	Anita Rossing, SWE
Glenn Mills, USA 2:19.80	Paolo Revelli, ITA 2:02.65	Cameron Reid, CAN 4:31.51	USA 3:23.76	Andreia Boeheme, BRA 342.45
Adrian Moorhouse, GBR 2:19.85 Etienne Dagon, SUI 2:20.21	Taihei Saka, JPN . 2:03 44 Frank Drost, HOL 2:04 29	Maurizio Divano, ITA 4:31.86 Victor Davis, CAN 4:31.87	USSR	Angela Ribeiro, BRA
Consolation Finals	Fabrizio Rampazzo, ITA 2:04.75	Rafael Escalas, ESP 4:32.09	West Germany 3:26.94	Finals—Aug. 5
Alban Vermes, HUN 2:19 70	Philip Hubble, GBR 2:05.71	Anders Peterson, SWE 4:33.69	lialy	Wendy Wyland USA 439.79
Glenn Beringen, AUS 2:21.04 Raffaele Avagnano, ITA 2:21.52	Prelims Craig Beardsley, USA 2:00.02	Keiichi Ohata, JPN 4:34.59 Josef Hladky, TCH 4:35.74	Holland 3:27.75* Switzerland 3:28.25*	Ramona Wenzel, DDR 417.99
Alexandre Yokochi, POR 2:24.10	Michael Gross, FRG 2:00.61	Andrey Aguilar, CRC 4:38.05°	Canada 3:28.74	Ji Hong Zhou, PRC 399.78 Chen Xiao Xia, PRC 396.57
John Clark, CAN 2:24.60 Peter Evans, AUS 2:26.15	Par Arvidsson, SWE 2:01.05 Ricardo Prado, BRA 2:01.49†	Stephen Poulter, GBR 4:38.69	Spain 3:29.76	Servard Emirzian, USSR 396.18
Luiz Carvalho, BRA 2:27 22	Filiberto Colon, PUR 2:01.51*	Yoram Kochavi, ISR 4:39.52 Murat Ozuak, TUR 4:40.05	Australia 3:34.61 Denmark 3:35.37	Alla Lobankina, USSR
Peter Lang, FRG DQ	Robert Patten, USA 2:01.60	Miguel Carrion, ECU 4:43.64*	Japan 3:35.87	Azpilcueta Tenorio, MEX 357.96
Victor Davis, CAN 2:18.69	Michael Kraus, FRG 2:01 72 Serguei Fesenko, USSR 2:01 99	Yocahy Lipshitz, ISR 4:45.20 Scott Newkirk, ISV 4:45.34	Virgin Islands 3:48.94	Valeri Beddoe, AUS 350.43
Pablo Restrepo, COL 2:19.93†	Rafael Vidal, VEN 2:02.02*	Jon Hestoy, FAR 4:45.85*	Peru 3:50.21 Kuwail 3:54.25*	Lindsay Fraser, GBR
Robertas Zhulpa, USSR 2:20.15	Marcel Gery, TCH 2:02.25	Roberto Becerra, COL	Brazil DQ	Jennifer McArton, CAN 330.39
Glenn Mills, USA 2:20 21 Adrian Moorhouse, GBR 2:20 26	Paul Rowe, AUS 2:02.50 Philip Hubble, GBR 2:02.78	Jose Marie Larranega, PER 4:59.66*	800 M FREE RELAY—Aug. 2	Prelims—Aug. 4
Etienne Dagon, SUI 2:20 43*	Paolo Revelli, ITA 2:02.96	400 M MEDLEY RELAY—Aug. 7	Championship Finals	Chen Xiao Xia, PRC 452 31 Wendy Wyland, USA 436.92
John Molfel, USA	Taihei Saka, JPN 2:03.18*	Championship Finals	USA 7:21.09	Ji Hong Zhou, PRC 401 10
Guennadi Utenkov, USSR 2:20 77 Raffaele Avagnano, ITA 2:21 32	Fabrizio Rampazzo, ITA	USA 3:40 84**	Rich Saeger	Alla Lobankina, USSR
Glenn Beringen, AUS 2:21.57	Theophile David, SUI 2:04.16	Rick Carey 56.22 Steve Lundquist 1:02.26	Jeff Float 1:50.22 Kyle Miller 1:51.82	Katrin Zipperling, DDR 387.83 Servard Emirzian, USSR 382.23
Alban Vermes, HUN 2:21.70 Alexandre Yokochi, POR 2:22.59	Yaron Eilati, ISR	Matt Gribble	Rowdy Gaines 1:48.52	Ramona Wenzel, DDR
Peter Evans, AUS 2:23 35	Levente Mady, CAN 2:05 19 Eduardo Planas, ESP 2:05.35	Rowdy Gaines 48.99	USSR 7:24,91 Vladimir Shernetov 1:52.20	Azpilcueta Tenorio, MEX 363.21
John Clark, CAN 2:24 45	Haakon Schram-Slokke, NOR 2:06,21*	USSR 3:42.86 Vladimir Chemetov 56.39	Ivar Stukolkin	Valeri Beddoe, AUS
Luiz Carvalho, BRA 2:26.08 Peter Lang, FRG 2:26.56	Stephen Poulter, GBR 2:06.26	Yuriy Kis 1:02.97	Vladimir Salnikov	Elke Heinrichs, FAG
Shigehiro Takahashi, JPN 2:26.92	Xavier Savin, FRA 2:06.75 Yoram Kochavi, ISR 2:06.84	Alexi Markovski 53 28 Sergui Smiriguine 50 22	Alexei Filinov	Lindsay Fraser, GBR 334.26
Enrique Romero, ESP 2:27-19	Allan Marsh, JAM 2:07 14	West Germany 3:44 78*	West Germany 7:25.46 Andreas Schmidt 1:52.33	Debbie Rush, USA 332.31 Jenny Tysdale, CAN 331.86
Gustavo Torrijos, ESP 2:27.23 Ron Kehrmann, ISR 2:27.46	Claus Bredschneider, CAN 2:07-45	Stefan Peter 57.83	Dirk Korthals 1:52,52	Jennifer McArton, CAN 330.21
Peter Berggren, SWE 2:27 48	Andrey Aguilar, CRC 2:08.24* Enrique Ledesma, ECU 2:09.08	Gerald Moerken 1:03:17 Michael Gross 53:99	Rainer Henkel 1:52,14 Michael Gross 1:48,47	S. Wetteskog-Bungum, SWE 321.87
Enrique Leite, URU 2:28.54*	Shudo Kawawa, JPN 2:09.14	Andreas Schmidt 49.79	Italy 7:29.31	Jenny Donnel, AUS 321.42 Tine Tollan, NOR 318.27
Felix Morf, SUI 2:29 23 Brian Farlow, ISV 2:34 31	Sergio Fernandez, COL 2:09.35	Canada 3:46.08	Paolo Revelli 1:52 99	Marianne Weinas, SWE 317.49
Frank Torres, PUR 2:38-19	Jon Hestoy, FAR 2:09 94* Joao Santos, POR 2:11 99	Wade Flemons 57.51	Fabrizio Rampazzo 1:51.27 Raffaele Franceschi 1:52.33	Angela Ribeiro, BRA
Semmir Al-Hadhoud, KUW 2:49.33*		Victor Davis 1:01.83 Dan Thompson 54.65	Marcello Guarducci 1:52.72	Veronica Ribot, ARG 297.06 Hiromi Ejima, JPN 285.60
Gerald Moerken, FRG DQ Oscar Ortigosa, PER DQ	200 M INDIVIDUAL MEDLEY-Aug. 7	Blair Hicken 52.09	Sweden 7:29.56	Joanne Pitt, ZIM
Andrey Aguilar, CRC DQ	Championship Finals Alexander Sidorenko, USSR 2:03.30#	Sweden 3:47.71 Bengl Baron 57.34	Michael Soderlund 1:53,17	MCN
lain Campbell, GBR	Bill Barrett, USA 2:03.49	Glen Christiansen 1:05.34	Thomas Lejdstrom 1:51.48 Pelle Wikstron 1:53.16	MEN SPRINGBOARD
100 M BUTTERFLY-Aug. 2	Giovanni Franceschi, ITA 2:04.65*	Par Arvidsson 54.35	Pelle Holmertz	Finals—Aug. 2
Championship Finals	Jens-Peter Berndt, DDR 2:05 19* Josef Hladky, TCH 2:05 97	Per Johansson 50 18 Great Britain 3:50.59	Holland	Greg Louganis, USA 752.67 Sergei Kuzmin, USSR 636.15
Matt Gribble, USA 53.88#	Andreas Reichel, DDR 2:06.00	Douglas Campbell 59 21	Edsard Schlingemann 1:53:39	Alexandr Portnov, USSR
Michael Gross, FRG 54 26 Bengt Baron, SWE 54.47	Steve Lundquist, USA 2:06 22 Ricardo Prado, BRA 2:07 34	Adrian Moorhouse 1:04.23	Frank Drost 1:51.80	Li Kong Cheng, PRC 627,90
Chris Rives, USA	Consolation Finals	Philip Hubble 55 25 Mark Taylor 51 99	Kees Vervoorn 1:52.94 Brazil 7:36.16	Falk Holfman, DDR . 625.71 Ron Merriott, USA . 624.30
Alexi Markovski, USSR 54.59	John Davey, GBR	Swilzerland 3:53.79	Cyro Delgado	Carlos Giron, MEX 597.72
Edward Maasdijk, HOL 55.06 Par Arvidsson, SWE 55.10	David Lopez-Zubero, ESP 2:08.05 Pablo Restrepo, COL 2:08.54	Roger Birrer 1:00.72	Jorge Fernandes 1:52.56	Christopher Snode, GBR 597.21
David Lopez-Zubero, ESP 55.68	Andrey Aguilar, CRC 2:08.80*	Etienne Dagon 1:05.64 Dano Halsall	Marcelo Juca 1:56.52 Djan Madruga 1:52.96	Niki Stajkovic, AUT
Consolation Finals Dan Thompson, CAN 55.28	Gareth Sykes, GBR 2:08.84	Stefan Volery 51.57	Canada DQ	Liu Heng Lin, PRC
Peter Knust, FRG 55.34	Anders Peterson, SWE 2:09.65 Mikael Orn, SWE 2:09.74	Brazil . 3:55.72 Ricardo Prado 59.22	Prelims USA 7:27.36	Massimo Castellani, ITA 531.51
Kees Vervoorn, HOL 55.39	Mural Ozuak, TUR DQ	Luiz Carvalho 1:07 15	USSR	Prelims—Aug. 1 Greg Louganis, USA 687.33
Rafael Vidal, VEN 55.67 Marcel Gery, TCH 55.70	Prelims	Cyro Delgado 56.56	West Germany	Alexandr Portnov, USSR 632.64
Dano Halsall, SUI	Bill Barrett, USA 2:04.40 Ricardo Prado, BRA 2:04.91	Jorge Fernandes	Italy 7:32 63 Canada 7:32 68	Niki Stajkovic, AUT 619.47 Sergei Kuzmin, USSR 615.57
Philip Hubble, GBA 55.99	Giovanni Franceschi, ITA 2:05 08	USA	Holland 7:32.08	Li Kong Cheng, PRC
Paul Rowe, AUS 56.82	Alexander Sidorenko, URS 2:05 12	West Germany 3:49.13	Brazil 7:34.57	Falk Hoffman, DDR
Matl Gribble, USA 54.09	Josef Hladky, TCH 2:05.89 Jens-Peter Berndt, DDR 2:05.90	USSR 3:49.40 Canada 3:51.06	Sweden 7:36,39 Spain 7:38,28*	Ron Merriott, USA
Alexi Markovski, USSR 54.40	Steve Lundquist, USA 2:07.06	Sweden 3:51.30	Great Britain 7:41.36	Carlos Giron, MEX 590.70
Bengt Baron, SWE 54.53 Michael Gross, FRG 54.69	Andreas Reichel, DDR 2:07 10	Great Britain 3:52.16	Japan 7:45.60	Liu Heng Lin, PRC 580.89
Edward Maasdijk, HOL 55.13	David Lopez-Zubero, ESP 2:07 35 Pablo Restrepo, COL 2:08 28*	Brazil	Australia 7:45.65 Peru 8:16.74*	Massimo Castellani, ITA
Par Arvidsson, SWE 55.18	Serguei Fesenko, USSR 2:08.43	Italy	0.10,74	Jon Vegard, NOR
Chris Rives, USA 55.25 David Lopez-Zubero, ESP 55.33	John Davey, GBR 2:08.47 Gareth Sykes, GBR 2:08.60	Spain 3:55.79	IV WORLD CHAMPIONSHIPS	Shaun Panayi, AUS 536.85
Dan Thompson, CAN 55.37	Mural Ozuak, TUR 2:09.50*	Japan 3:56.86 Colombia 3:59.44*	IV WORLD CHAMPIONSHIPS DIVING	Dieter Doerr, FRG 532.44 Nigel Stanton, GBR 529.89
Peter Knust, FRG 55.40 Rafael Vidal, VEN 55.53†	Andrey Aguilar, CRC	People's Republic of China 4:00.09	La Pradera Complex	Nelson Suarez, ECU 527.82
Marcel Gery, TCH 55.54*	Mikael Orn, SWE 2:09.94 Anders Peterson, SWE 2:10.17	Israel 4:01.98 Peru 4:19.87	Guayaquil, Ecuador	Stephen Foley, AUS 526.38
Marcel Gery, TCH 55.54* Kees Vervoorn, HOL 55.61	Edsard Schlingemann, HOL 2:10.67		July 30-Aug. 7, 1982	Domenico Rinaldi, ITA 524 04 Amezquita Rueda, MEX 521.16
Philip Hubble, GBR 55.64 Dano Halsall, SUI 55.76	Ron Kehrmann, ISR 2:10.74	400 M FREE RELAY—Aug 5	→ Scratched Finals	Enrique Martinez, ESP 516.84
Paul Rowe, AUS 56.02	Maurizio Divano, ITA	USA 3:19.26**	WOMEN	Michael Worisch, AUT 515 49 Marcus Lourenco, BRA 505 74
Greg Fasala, AUS	Peter Rohde, DEN 2:11.30° Glenn Beringen, AUS 2:11.37	Chris Cavanaugh 50.13	SPRINGBOARD	Ricardo Camacho, ESP 501.96
Fabrizio Rampazzo, ITA 56 28 Theophile David, SUI 56.37	Keiichi Ohata, JPN 2:12.72	Robin Learny	Finals—July 31	Mark Graham, NZL 494.01
Haakon Schram-Stokke, NOR 56.42*	Yoram Kochavi, ISR 2:12.73 Cameron Reid, CAN 2:12.80	David McCagg 49.89 Rowdy Gaines 49.14	Megan Neyer, USA 501 03 Chris Seuferl, USA 490 02	John Nash, CAN
Xavier Savin, FRA	Oin Chen, CHN	USSR 3:21.78	Yuan Chun Peng, PRC 482.10	Dieter Plewka, FRG 474.63
Kenji Izumi, JPN 57.01 Enrique Ledesma, ECU 57.09*	Miguel Carrion, ECU 2:15.27* Allan Marsh, JAM 2:16.59*	Serguei Krassiouk 51.48	Irina Sidorova, USSR	Michael Mourant, CAN
Filiberto Colon, PUR	Frederic Delcourt, FRA 2:17.18	Alexei Filinov 51.32 Sergui Smiriaguine 50.15	Britta Baldus, DDR	Masashi Nakashima, JPN 438 12 Antonio Lopez, CHI
Andrew Jameson, GBR	Bernd Grahammer, PER 2:25,58	Alexi Markovski	Sylvie Bernier, CAN 449 16	Reynaldo Castro, DOM 418.53
Claus Bredschneider, CAN 57.43 Serguei Krasiouk, USSR 57.56	400 M INDIVIDUAL MEDLEY—Aug. 2	Sweden	Zhanna Tsirulnikova, USSR 441.72	Yehna Dawsaid, EGY 395.52
Carlos Scanavind, URU 57.82*	Championship Finals	Per Johansson 50,19* Bengt Baron 50,98	Veronica Ribot, ARG 433 53 Valeri Beddoe, AUS 421 56	Cesar Henderson, DOM
Peng-Siong Ang, SIN 58.02' Yaron Eilali, ISR : 58.02	Ricardo Prado, BRA4:19.78**	Pelle Holmertz 50.54	Tine Tollan, NOR	PLATFORM
Sadri Ozun, TUR 58.211	Jens-Peter Berndt, DDR	Pelle Wikstron	Jenny Donnet, AUS	Finals—Aug. 7
Allan Marsh, JAM	Giovanni Franceschi, ITA 4:24.89	West Germany 3:23:77* Michael Gross 51.07	Prelims—July 30 Megan Neyer, USA	Greg Louganis, USA 634 26 Vladimir Aleinik, USSR 629 85
	Jeff Kostoff USA 4-28.92	Peter Knust 51.18	Chris Seufert, USA	Bruce Kimball, USA 619.68
Paulo Frischknect, POR 58.56 Shudo Kawawa JPN 58.61	Arne Borgstrom, NOR 4:29 53 Bruce Hayes, USA 4:30 68	Wilfried Kuhlem 51.05	Zhanna Tzirulnikova, USSR 466.92	Thomas Knuths, DDR 597.21
Shudo Kawawa, JPN 58.61 Qin Chen, CHN 58.67		Andreas Schmidt 50.47	Yuan Chun Peng, PRC	Li Hong Ping, PRC
Shudo Kawawa, JPN 58.61 Qin Chen, CHN 58.67 Diyong Zhang, CHN 58.96	Rojer Madruga, BRA 4:32 64	llaly 3-24 10*		
Shudo Kawawa, JPN       58.61         Qin Chen, CHN       58.67         Diyong Zhang, CHN       58.96         Sabri Ozun, TUR       59.21	Rojer Madruga, BRA 4:32 64 Consolation Finals	Italy 3:24.10* Andrea Ceccarini 51.72	Sylvie Bernier, CAN 455.76	Falk Holfman, DDR. 577.32
Shudo Kawawa, JPN     58.61       Qin Chen, CHN     58.67       Diyong Zhang, CHN     58.96       Sabri Ozun, TUR     59.21       Sergio Fernandez, COL     59.27       Yahioche Diamel, ALG     100.17*	Rojer Madruga, BRA 4:32 64 Consolation Finals John Davey, GBR 4:28.37	Andrea Ceccarini 51.72 Fabrizio Rampazzo 50.70	Sylvie Bernier, CAN 455.76 Martina Proeber, DDR 444.15	Falk Holfman, DDR
Shudo Kawawa, JPN         58.61           Oin Chen, CHN         58.67           Diyong Zhang, CHN         58.96           Sabri Ozun, TUH         58.21           Sergio Fernandez, COL         59.27           Yahioche Djamel, ALG         1:00.17*           Jaoa Santos, POR         1:00.88	Rojer Madruga, BRA	Andrea Ceccarini 51.72 Fabrizio Rampazzo 50.70 Raffaele Franceschi 51.00	Sylvie Bernier, CAN 455.76  Martina Proeber, DDR 444.15  Tine Tollan, NOR 439.29	Falk Hoffman, DDR
Shudo Kawawa, JPN     58.61       Qin Chen, CHN     58.67       Diyong Zhang, CHN     58.96       Sabri Ozun, TUR     59.21       Sergio Fernandez, COL     59.27       Yahioche Diamel, ALG     100.17*	Rojer Madruga, BRA	Andrea Ceccarini 51.72 Fabrizio Rampazzo 50.70 Raffaele Franceschi 51.00 Marcello Guarducci 50.68 Holland 3:26.74*	Sylvie Bernier, CAN       455.76         Marlina Proeber, DDR       444.15         Tine Tollan, NOR       439.29         Valeri Beddoe, AUS       437.70         Irina Sidorova, USSR       425.76	Falk Hoffman, DDR       577.32         Dieler Doerr, FRG       552.36         Christopher Snode, GBR       540.78         Dieter Plewka, FRG       537.87         Vyacheslav Troshin, USSR       531.72
Shudo Kawawa, JPN     58.61       Qin Chen, CHN     58.67       Diyong Zhang, CHN     59.96       Sabri Ozun, TUR     59.21       Serglo Fernandez, COL     59.27       Yahioche Djamel, ALG     1.00.17*       Joao Santos, POR     1.00.88       Mohemmad Al-Saleh, KUW     1:05.18*	Rojer Madruga, BRA   4:32.64   Consolation Finals   John Davey, GBR   4:28.37   Rafael Escalas, ESP   4:30.01   Maurizio Divano, ITA   4:31.71   Josef Hladky, TCH   4:34.71   Andreas Reichel, DDR   4:34.90	Andrea Ceccarini 51.72 Fabrizio Rampazzo 50.70 Raffaele Franceschi 51.00 Marcello Guarducci 50.68 Holland 3:26.74 Hans Kroes 51.90	Sylvie Bernier, CAN     455.76       Martina Proeber, DDR     444.15       Tine Tollan, NOR     439.29       Valeri Beddoe, AUS     437.70       Irina Sidorova, USSR     425.76       Jenny Donnet, AUS     425.34	Falk Hoffman, DDR.     577.32       Dieter Doerr, FRG     552.36       Christopher Snode, GBR     540.78       Dieter Plewka, FRG     537.87       Vyacheslav Troshin, USSR     531.72       Miguel Zavala, MEX     529.66
Shudo Kawawa, JPN         58.61           Oin Chen, CHN         58.67           Diyong Zhang, CHN         58.96           Sabri Ozun, TUH         58.21           Sergio Fernandez, COL         59.27           Yahioche Djamel, ALG         1.00.17*           Jaoa Santos, POR         1.00.88	Rojer Madruga, BRA	Andrea Ceccarini 51.72 Fabrizio Rampazzo 50.70 Raffaele Franceschi 51.00 Marcello Guarducci 50.68 Holland 3:26.74*	Sylvie Bernier, CAN       455.76         Marlina Proeber, DDR       444.15         Tine Tollan, NOR       439.29         Valeri Beddoe, AUS       437.70         Irina Sidorova, USSR       425.76	Falk Hoffman, DDR       577.32         Dieler Doerr, FRG       552.36         Christopher Snode, GBR       540.78         Dieter Plewka, FRG       537.87         Vyacheslav Troshin, USSR       531.72

#### FOR THE RECORD continued

Thomas Knuths DDR 578.55	FINAL ROUND
Vyacheslay Troshin, USSR 573.81	Aug. 6
Thomas Knuths, DDR 578.55 Vyacheslav Troshin, USSR 573.81 Li Kong Cheng, PRC 572.01	New Zealand 6 France 6
	Canada 18 Egypt 4
Li Hong Ping, PRC 550.47	P.R. China 9 Australia 7
Elithory Ping, PRC 550.47  Falk Holfman, DDR 548.34  Dieter Doerr, FRG 545.94	Canada 18         Egypt 4           P.R. China 9         Australia 7           Ialy 10         Greace 6           Yupostavia 7         Spain 6           Cuba 9         United States 7           Hungary 7         West Germany 7           USSR 7         Holland 5           Aug. 7         7
Christopher Snode, GBR 528.93	Cuba 9 United States 7
Miguel Zavala MEX 527.61	Hungary 7 West Germany 7
Miguel Zavala, MCX 527,61 Dieter Plewka, FRG 523,44 Jorge Mondragon, MEX 522,51 Piero Italiani, ITA 516,87	USSR 7 Holland 5
Jorge Mondragon, MEX 522.51	Aug. 7
Piero Italiani, ITA 516,87	Canada 9 New Zealand 7
Jon Vegard, NOR 515,04 Peter Georguiev, BUL 512,91 David Snively, CAN 505.32	Canada 9
Peter Georguiev, BUL 512.91	Australia 9 P.R. China 10
David Snively, CAN 505 32	Spain 8 Cuba 7
Peter Georgiuck, Bot. 312,31 David Snively, CAN 505,32 John Nash, CAN 501,30 Stephen Foley, AUS 497,91 Nelson Suarez, ECU 491,70 Domenico Rinaldi, ITA 490,92	Spain 6 . Guba 7 United States 8 . Yugoslavia 7 West Germany 5 . Holland 3
Nelson Suarez, ECU	United States 8 . Trugostavia 1 West Germany 5 . Holland 3 USSR 7 . Hungary 7 FINAL STANDINGS
Domenico Rinaldi, ITA 490.92	USSR 7 Hungary 7
Claus Thomsen, DEN 490,44  Marcus Lourenco, BHA 462,60  Cesar Henderson, DOM 454,29  Andrew Jackomos, AUS 452,16  Nicol States CRP 444,54	FINAL STANDINGS
Marcus Lourenco, BRA	USSR
Cesar Henderson, DOM 454.29	Hungary West Germany
Andrew Jackomos, AUS 452.16	Holland
Andrew Jackomos, AUS 492.16 Nigel Stanton, GBR 444,54 Raimund Pregler, AUT 440,70 Michael Worisch, AUT 440,40 Massahi Nakashima, JPN 432.66 Marco Bastos, BRA 409.77 Galo Torres, ECU 371,70 Mohamed Ebbady, EGY 363.60	Cuba
Michael Worlsch, AUT 440 40	United States
Masashi Nakashima, JPN 432 66	Yugoslavia
Marco Bastos, BRA	Spain
Galo Torres, ECU 371,70	Italy
Mohamed Ebbady, EGY 363,60	China Australia
IV WORLD	Greece
SWIMMING CHAMPIONSHIPS	France
WATER POLO	Canada
Jambeli Swimming Complex	Egypt
Guayaquil, Ecuador July 30-Aug. 7, 1982	New Zealand
July 30-Aug. 1, 1962	
FIRST ROUND	IV WORLD
July 30	SWIMMING CHAMPIONSHIPS
Spain 21 New Zealand 2	SYNCHRONIZED SWIMMING
Spain 21         New.Zealand 2           United States 24         Egypt 2           Cuba 9         Greece 5           Holland 8         Canada 5           West Germany 9         Italy 8           Hungary 14         P.R. China 6           USSR 11         Australia 8           Yugoslavia 13         France 9           Iuly 31         Italy 8	Asisclo Garay Pool
Cuba 9 Greece 5	Guayaquil, Ecuador July 29-Aug. 5, 1982
Holland B Canada 5	July 29-Aug. 5, 1802
West Germany 9	FIGURES—July 29
USSB 11 Australia 8	Tracie Butz USA 94,5000
Yugoslavia 13 France 9	Sharon Hambrook, Canada 93,3001 Carolyn Waldo, Canada 91,8668
	Carolyn Waldo, Canada 91.8668
Cuba 11 P.R. China 8	Kelly Kryczka, Canada 91.7833
Yugoslavia 13 Canada 11 Ilaly 20 New Zealand 5	Vicky Vilagos, Canada 91.3500 Renee Paradis, Canada 90.6001
lialy 20 New Zealand 5	Mary Visniski, USA 89.8666
NSSR 16 Egypt 1 Hungary 14 Greece 5 West Germany 8 Spam 6 Holland 12 France 5 United States 7 Australia 5	
West Germany 8 Spain 6	Marie White, USA 88,8334 Holly Spencer, USA 88,7166 Karen Callaghan, USA 88,4167 Capada 88,4000
Holland 12 France 5	Holly Spencer, USA88,7166
United States 7 Australia 5	Karen Callaghan, USA 88,4167
Aug. 1	
West Germany 16 New Zealand 5	Robin Waller, USA 88 3000 Chantal Laviolette, Canada 87 8501
West Germany 16         New Zealand 5           Australia 23         Egypt 2           P.R. China 12         Greece 10           Yugoslavia 7         Holland 6           Spain 9         Italy 8           USSR 8         United States 5           Hungary 10         Cuba 8           France 12         Canada 11           SECOND ROUND         Aug 3	
Vuonelavia 7 Holland 6	Miwako Moloyoshi, Japan 87,2001 Masae Fujiwara, Japan 86,8333 Carolyn Wilson, Greal Britain 86,5167
Spain 9 Italy 8	Masae Fujiwara, Japan 86,8333
USSR 8 United States 5	Carolyn Wilson, Great Britain 86.5167
Hungary 10 Cuba 8	Sarah Josephson USA00,2034
France 12 Canada 11	Wendy Barber, Canada 86 2833
SECOND ROUND	Susan Clarke, Canada 60.2333
Aug. 3	Wendy Barber, Canada 86, 2333 Susan Clarke, Canada 86, 2333 Kazuno Jiwara, Japan 85, 8033 Candace Costre, USA 85, 6001
Australia 14 New Zealand 2	
Ilaly 16 Egypt 4	Saeko Kimura, Jagan 65,0324
P.R. China 14 France 10	Calharina Evken, Holland 04-7333
Aug. 3 Greece 9 Canada 6 Australia 14 New Zealand 2 Ilaly 16 Egypt 4 P.R. China 14 France 10 Holland 9 Cuba 7 USSR 8 Spain 7 West Germany 6 United States 7 Hungary 11 Yugoslavia 10 Aug. 4	Ikuko Abe, Japan 84 5666
USSR 8 Spain 7	
West Germany 8 United States 7	Marijke Engien, Holland 84 1833 Tomoko Ishi, Japan 84 0167
Hungary 11 Yugoslavia 10	SOLO - July 30
	SOLO—July 30 Championship Finals
Egypt 10 New Zealand 7 Greece 9 France 9	Tracie Ruiz, USA 192 3000 Kelly Kryczka, Canada 188.9833
Greece 9 France 9 Canada 12 P.R. China 9 Ilaly 10 Australia 9	Kelly Kryczka, Canada 188.9833
Italy 10 Australia 9	Miwako Moloyoshi, Japan 181.600
United States 9 Spain 5 Cuba 9 Yugoslavia 8	Miwako Motoyoshi, Japan 181.600 Carolyn Wilson, Great Britain 176.516
Cuba 9 Yugoslavia 8	Marrike Englen, Holland 171-183:
	I GUILLIN HARNISCH, W. GRUIDARY 107-030

Murrelle Hermine, France 166 Prelims	0499
Prelims	0100
Tracie Ruiz, USA	PUUU
Kally Kryczka, Canada 94.	8000
Tracie Ruiz, USA 95. Kelly Kryczka, Canada 94. Miwako Motoyoshi, Japan 92.	nnna -
MIWAKU MUTUYUSIII, Japan . JE.	4000
Gudrun Haenisch, W. Germany 85.	.6000
Marihke Englen, Holland 83. Carol Struzenegger, Switz 83. Alexandra Worlsch, Austria 83. Murielle Hermine, France 82. Veronica Pavon, Mexico 81.	2000
Carol Struzenegger, Switz 63.	2000
Alexandra Worlsch, Austria 83.	2000
Murielle Hermine, France 82.	4000
V Bauca Maying 81	2000
Donella Burridge, Australia 79 Janeth Hatiuska, Colombia 78	0000
Donella Burridge, Australia 79.	0000
Janeth Hatiuska, Colombia 78	6000
DUET - Aug. 1	
DOET - Aug. 1	
Championship Finals	
Sharon Hambrook & Kelly Krycz	ka
Canada 190	5417
Candace Costie & Tracie Ruiz	
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	0001
Ikuko Abe & Masae Fujiwara	
Japan 181	9000
Japan III I I I Complete M	Gloon
Caroline Holmyard & Carolyn W Great Britain 176	115011
Great Britain	/333
Great Britain 176 Marijke Englen & Catharina Eyk	en
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Holland	.0000
Maya Mast & Carol Struzenegge	er.
Switzerland 167 Pascale Besson & Murielle Heri	1250
Pagnala Resson & Muriella Heri	mine
- 166	2/17
France	1.3417
Eva Edinger & Alexandra Worls	ch
Austria 162	8500
Prelims	
	1
Sharon Hambrook & Kelly Kryc	zka
Canada 188	3.1417
Candace Costie & Tracie Ruiz	
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Ikuko Abe & Masae Fujiwara	
1.07	3000
Japan 180 Caroline Holmyard & Carolyn V Great Britain 174	Miloon
Caroline Holmyaru & Carolyn v	¥113011
Great Britain 17 Marijke Englen & Catharina Ey	4_3333
Marijke Englen & Catharina Ev	ken
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Maya Mast & Carol Sturzenego	el
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Pascale Besson & Murielle He	rmine
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Consolatio	S
Tammy Thomas, LA	26.79
Carol Landry, LAK	26.80
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Kathy Smith, BEST (Swim-off: 26,95)	27.0
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Tamra Pease, HF	. 07.1
Christina Diaz, Una Kim Storm, CW	at 27 1 27 1 27 1
Beth Washut, CPM	27.1
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Kelley Wely, CPH	C 27.2 27.3
Ann Drolsom, MPA	C 27.3
Sybil Smith, FGD	27.3
Karla Driesler, BIF	27.3
Mary Birdsell, IHA Kelley Wely, CPH Ann Drolsom, MPA Sybil Smith, FGD Karla Driesler, BIF Sue Scott, WCSC	1

Prelims

Kathy Colfin, TOP	27.40 27.40
Cuenn Hickman GO	27.40
Kathy Colfin TOP Susan Hickman, GO	27.40
Kim Nicholson, CPM.	27.42
Julie Williams MVN	27.46
Daile Williams, MCAC	27 40
Debbie Daniel, ACAC	27,49
Susan Hickman, GO Kim Nicholson, CPM Julie Williams, MVN Debbre Daniel, ACAC Heather Burgess, BRAC	27.49 27.50
Heather Burgess, BRAC Amy Pless, PCSC	27.50
Heather Burgess, BRAC Amy Pless, PCSC Beth Gardner, FLST Beth LUt, SCSC Amy Caulkins, NAC Teress Andrews, FAST Melanie Buddemeyer, JCCS Laura Blankley, SCSC Elizabeth Brown, STAR Martha McCann, DSC Kim Tesch, LFSC Michele Maximo, WCSC Catherine Laing, NAC	07.54
Beth Gardner, FLST	27,51
Both Lutz SCSC	27.56
Betti Ediz, booo	27.57
Amy Caulkins, NAC	21,37
Teresa Andrews, FAST	27.66
Malagia Buddamayor ICCS	27.66
Melatile Buddelileyer, 2003	27.00
Laura Blankley, SCSC	27.68
Elizabeth Brown STAR	27.70
Elizabelli biowii, oralica	07.74
Martha McCann, DSC	27.71
Kim Tesch LESC	. 27.88
NAME OF THE OWNER O	27.00
Michele Maximo, WCSC	. 21.00
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Championship Finals	
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Paige Zemina, FLST Beth Washut, CPM	57,51
Mary Wayle C	- 57-52
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Mary Wayle, C Susan Habernigg, MVN	. 07.04
Kirsten Wengler, EPFOX Annie Lett, WEST Cynthia Woodhead, MVN Marybeth Linzmeier, MVN	57.73
A - I - H INCOT	67.05
Annie Lett, WEST	31,33
Cynthia Woodhead, MVN	58.01
Manyboth Linzmeter MVN	58.11
Marybeth Enterness, MV14	. 00,11
Consolation Finals Healther Strang, STAR Amy Caulkins, NAC Mary I, Meaginer, LAK Dara Torres, TANOEM Barb Major, STAR Sara Linke, WCAB, Rebecca Kast, LAT Julie Willhams, MVN Prellins Kirsten Wengler, EPEOX	
Healber Strang STAR	57-67
A C- Ui NAC	57.90
Amy Gaulkins, NAG	100
Mary T. Meagher, LAK	. 58.36
Dara Torras TANDEM	58 58
Dara Tolles, TANDEM	50,70
Barb Major, STAR	58,72
Sara Linke WCAB	58.88
Odia Linke, World	CO 01
Hebecca Kast, LAT	30,31
Julie Williams, MVN	59.26
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Freums	
Kirsten Wengler, EPFOX	5/.44
Both Washut CPM	57.47
Kirsten Wengler, EPFOX Beth Washut, CPM Paige Zemina, FLST	67.67
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Susan Habernigg, MVN Mary Wayle, C Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Lett, WEST Amy Caulkins, NAC	57 58 57 79 57 84 57 86 57 91 58 11 58 13
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Susan Habernigg, MVN Mary Wayte, C Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Lelt, WEST Amy Caulkins, NAC Heather Strang, STAR Barb Major, STAR	57 58 57 79 57 84 57 86 57 91 58 11 58 13 58 22
Susan Habernigg, MVN Mary Wayle, C. Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Lett, WEST Amy Caulkins, NAC Heather Strang, STAR Barb Major, STAR Mary T, Meagher LAK	57 58 57 79 57 84 57 86 57 91 58 11 58 13 58 22 58 31
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Susan Habernigg, MVN Mary Wayte, C, Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Left, WEST Amy Caulkins, NAC Heather Strang, STAR Barb Major, STAR Mary T, Meagher, LAK Julie Williams, MVN Sara Linke, WCAB Does Torree T ANDEM	57 58 57 79 57 84 57 86 57 91 58 11 58 13 58 22 58 31 58 37 58 39 58 41
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Mary Wayle, C. Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Lell, WEST Anny Caulkins, NAC Heather Strang, STAR Barb Major, STAR Mary T, Meagher, LAK Julie Williams, MVN Sara Linke, WCAB Dara Torres, TANDEM	57 79 57 84 57 86 57 91 58 11 58 13 58 22 58 31 58 37 58 39 58 41
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Mary Wayte, C. Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Leit, WEST Amy Caulkins, NAC Heather Strang, STAR Barb Major, STAR Mary T. Meagher, LAK Julie Williams, MVN Sara Linke, WCAB Dara Torres, TANDEM Rebecca Kasl, LAT Carol Landry, LAK Libby Kinkead, WCSC Carin Coolentz, NBAC Carmen Coowant, BSS Diane Wallner, FLIST Kathy Coffin, TOP Laureen Welting, LAK Ann Drolsom, MPAC Krissie Bush, STAR, Belti Gardner, FLST Kathy Smith, BEST Catherine Laing, NAC Suze Fila, RIV Tammy Thomas, LA Heather Burgess, BRAC Susean Tieljen, STAR Debbie Daniel, ACAC Kelly Wely, CPH Mary Birdsell, HAC Kathy Inkie	57, 79 57,86 57,91 58,11 58,13 58,22 58,33 58,43 58,54 58,67 58,72 58,73
Mary Wayte, C. Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Leit, WEST Amy Caulkins, NAC Heather Strang, STAR Barb Major, STAR Mary T. Meagher, LAK Julie Williams, MVN Sara Linke, WCAB Dara Torres, TANDEM Rebecca Kasl, LAT Carol Landry, LAK Libby Kinkead, WCSC Carin Coolentz, NBAC Carmen Coowant, BSS Diane Wallner, FLIST Kathy Coffin, TOP Laureen Welting, LAK Ann Drolsom, MPAC Krissie Bush, STAR, Belti Gardner, FLST Kathy Smith, BEST Catherine Laing, NAC Suze Fila, RIV Tammy Thomas, LA Heather Burgess, BRAC Susean Tieljen, STAR Debbie Daniel, ACAC Kelly Wely, CPH Mary Birdsell, HAC Kathy Inkie	57, 79 57,86 57,91 58,11 58,13 58,22 58,33 58,43 58,54 58,67 58,72 58,73
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Mary Wayle, C. Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Leit, WEST Amy Caulikins, NAC Heather Sirang, STAR Barb Major, STAR Barb Major, STAR Mary T. Meagher, LAK Julie Williams, MVN Sara Linke, WCAB Oara Torres, TANDEM Rebecca Kasi, LAT Carol Landry, LAK Libby Kinkead, WCSC, Carin Cooleniz, NBAC Carimen Coowant, BSS Diane Wallner, FLST Kathy Cofflin, TOP Laureen Welling, LAK Ann Drolsom, MPAC Krissie Bush, STAR Beith Gardner, FLST Kathy Smith, BEST Catherine Lang, NAC Suze Flia, Rilv Tammy Thomas, LA Heather Burgess, BRAC Susan Tieljen, STAR Debbie Daniel, ACAC Kelly Wely, CPH Mary Birdsell, IHAC Kathy Hall, NIKE Elizabeth Brown, STAR Robin Fiene, CPH Carolyn Goodley, WEST Kim Nicnolson, CPM	57, 79 57, 86 57, 86 57, 91 58, 11 58, 13 58, 22 58, 31 58, 37 58, 39 58, 41 58, 67 58, 72 58, 72 59, 07 59, 07 59, 07 59, 20 59, 20 59, 49 59, 59, 49 59, 59, 65 59, 65 59, 65 59, 69 59, 69 59, 69 59, 73 59, 73 5
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Mary Wayle, C. Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Leit, WEST Amy Caulikins, NAC Heather Sirang, STAR Barb Major, STAR Barb Major, STAR Mary T. Meagher, LAK Julie Williams, MVN Sara Linke, WCAB Oara Torres, TANDEM Rebecca Kasi, LAT Carol Landry, LAK Libby Kinkead, WCSC, Carin Cooleniz, NBAC Carimen Coowant, BSS Diane Wallner, FLST Kathy Cofflin, TOP Laureen Welling, LAK Ann Drolsom, MPAC Krissie Bush, STAR Beith Gardner, FLST Kathy Smith, BEST Catherine Lang, NAC Suze Flia, Rilv Tammy Thomas, LA Heather Burgess, BRAC Susan Tieljen, STAR Debbie Daniel, ACAC Kelly Wely, CPH Mary Birdsell, IHAC Kathy Hall, NIKE Elizabeth Brown, STAR Robin Fiene, CPH Carolyn Goodley, WEST Kim Nicnolson, CPM	57, 79 57, 86 57, 86 57, 91 58, 11 58, 13 58, 22 58, 31 58, 37 58, 39 58, 41 58, 67 58, 72 58, 72 59, 07 59, 07 59, 07 59, 20 59, 20 59, 49 59, 59, 49 59, 59, 65 59, 65 59, 65 59, 69 59, 69 59, 69 59, 73 59, 73 5
Mary Wayle, C. Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Leit, WEST Amy Caulikins, NAC Heather Sirang, STAR Barb Major, STAR Barb Major, STAR Mary T. Meagher, LAK Julie Williams, MVN Sara Linke, WCAB Oara Torres, TANDEM Rebecca Kasi, LAT Carol Landry, LAK Libby Kinkead, WCSC, Carin Cooleniz, NBAC Carimen Coowant, BSS Diane Wallner, FLST Kathy Cofflin, TOP Laureen Welling, LAK Ann Drolsom, MPAC Krissie Bush, STAR Beith Gardner, FLST Kathy Smith, BEST Catherine Lang, NAC Suze Flia, Rilv Tammy Thomas, LA Heather Burgess, BRAC Susan Tieljen, STAR Debbie Daniel, ACAC Kelly Wely, CPH Mary Birdsell, IHAC Kathy Hall, NIKE Elizabeth Brown, STAR Robin Fiene, CPH Carolyn Goodley, WEST Kim Nicnolson, CPM	57, 79 57, 86 57, 86 57, 91 58, 11 58, 13 58, 22 58, 31 58, 37 58, 39 58, 41 58, 67 58, 72 58, 72 59, 07 59, 07 59, 07 59, 20 59, 20 59, 49 59, 59, 49 59, 59, 65 59, 65 59, 65 59, 69 59, 69 59, 69 59, 73 59, 73 5
Mary Wayle, C. Marybeth Linzmeier, MVN Cynthia Woodhead, MVN Annie Leit, WEST Amy Caulikins, NAC Heather Sirang, STAR Barb Major, STAR Barb Major, STAR Mary T. Meagher, LAK Julie Williams, MVN Sara Linke, WCAB Oara Torres, TANDEM Rebecca Kasi, LAT Carol Landry, LAK Libby Kinkead, WCSC, Carin Cooleniz, NBAC Carimen Coowant, BSS Diane Wallner, FLST Kathy Cofflin, TOP Laureen Welling, LAK Ann Drolsom, MPAC Krissie Bush, STAR Beith Gardner, FLST Kathy Smith, BEST Catherine Lang, NAC Suze Flia, Rilv Tammy Thomas, LA Heather Burgess, BRAC Susan Tieljen, STAR Debbie Daniel, ACAC Kelly Wely, CPH Mary Birdsell, IHAC Kathy Hall, NIKE Elizabeth Brown, STAR Robin Fiene, CPH Carolyn Goodley, WEST Kim Nicnolson, CPM	57, 79 57, 86 57, 86 57, 91 58, 11 58, 13 58, 22 58, 31 58, 37 58, 39 58, 41 58, 67 58, 72 58, 72 59, 07 59, 07 59, 07 59, 20 59, 20 59, 49 59, 59, 49 59, 59, 65 59, 65 59, 65 59, 69 59, 69 59, 69 59, 73 59, 73 5
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