

# LONG COURSE METERS—MEN

as of October 29, 2007

## 50 FREESTYLE

World:	21.64	Alexander Popov, RUS	Moscow, RUS	06-16-00
American:	21.76	Gary Hall Jr., Phoenix	Indianapolis, Ind.	08-15-00
U.S. Open:	21.76	Gary Hall Jr., Phoenix	Indianapolis, Ind.	08-15-00

## 100 FREESTYLE

World:	47.84sf	Pieter van den Hoogenband, NED	Sydney, AUS	09-19-00
American:	48.17sf	Jason Lezak, USA	Long Beach, Calif.	07-10-04
U.S. Open:	48.17sf	Jason Lezak, USA	Long Beach, Calif.	07-10-04

## 200 FREESTYLE

World:	1:43.86	Michael Phelps, USA	Melbourne, AUS	03-27-07
American:	1:43.86	Michael Phelps, USA	Melbourne, AUS	03-27-07
U.S. Open:	1:44.98	Michael Phelps, Club Wolverine	Indianapolis, Ind.	07-31-07

## 400 FREESTYLE

World:	3:40.08	Ian Thorpe, AUS	Manchester, GBR	07-30-02
American:	3:44.11	Klete Keller, USA	Athens, GRE	08-14-04
U.S. Open:	3:44.19	Klete Keller, Club Wolverine	Long Beach, Calif.	07-07-04

## 800 FREESTYLE

World:	7:38.65	Grant Hackett, AUS	Montreal, CAN	07-27-05
American:	7:45.63	Larsen Jensen, USA	Montreal, CAN	07-27-05
U.S. Open:	7:49.75	Eric Vendt, Club Wolverine	Indianapolis, Ind.	07-31-07

## 1500 FREESTYLE

World:	14:34.56	Grant Hackett, AUS	Fukuoka, JPN	07-29-01
American:	14:45.29	Larsen Jensen, USA	Athens, GRE	08-21-04
U.S. Open:	14:48.34	Grant Hackett, AUS	Indianapolis, Ind.	04-06-03

## 50 BACKSTROKE

World:	24.80	Thomas Rupprath, GER	Barcelona, ESP	07-27-03
American:	24.84	Randall Bal, USA	Paris, FRA	08-02-07
U.S. Open:	25.59s	Neil Walker, Texas	Indianapolis, Ind.	08-11-00

## 100 BACKSTROKE

World:	52.98	Aaron Peirsol, USA	Melbourne, AUS	03-27-07
American:	52.98	Aaron Peirsol, USA	Melbourne, AUS	03-27-07
U.S. Open:	53.01	Michael Phelps, Club Wolverine	Indianapolis, Ind.	07-31-07

## 200 BACKSTROKE

World:	1:54.32	Ryan Lochte, USA	Melbourne, AUS	03-30-07
American:	1:54.32	Ryan Lochte, USA	Melbourne, AUS	03-30-07
U.S. Open:	1:54.65	Aaron Peirsol, Irvine Novas	Long Beach, Calif.	07-12-07
	1:54.65	Michael Phelps, Club Wolverine	Indianapolis, Ind.	07-31-07

## 50 BREASTSTROKE

World:	27.18	Oleg Lisogor, UKR	Berlin, GER	08-02-02
American:	27.39sf	Ed Moses, Curl-Burke	Austin, Texas	03-31-01
U.S. Open:	27.39sf	Ed Moses, Curl-Burke	Austin, Texas	03-31-01

**100 BREASTSTROKE**

World:	59.13	Brendan Hansen, Longhorn	Irvine, Calif.	08-01-06
American:	59.13	Brendan Hansen, Longhorn	Irvine, Calif.	08-01-06
U.S. Open:	59.13	Brendan Hansen, Longhorn	Irvine, Calif.	08-01-06

**200 BREASTSTROKE**

World:	2:08.50	Brendan Hansen, Longhorn	Victoria, CAN	08-20-06
American:	2:08.50	Brendan Hansen, Longhorn	Victoria, CAN	08-20-06
U.S. Open:	2:08.74	Brendan Hansen, Longhorn	Irvine, Calif.	08-15-06

**50 BUTTERFLY**

World:	22.96	Roland Schoeman, RSA	Montreal, CAN	07-25-05
American:	23.21	Ian Crocker, USA	Montreal, CAN	07-25-05
U.S. Open:	23.85sf	Bryan Jones, Texas Aquatics	Austin, Texas	03-29-01

**100 BUTTERFLY**

World:	50.40	Ian Crocker, USA	Montreal, CAN	07-30-05
American:	50.40	Ian Crocker, USA	Montreal, CAN	07-30-05
U.S. Open:	50.76	Ian Crocker, Longhorn	Long Beach, Calif.	07-13-04

**200 BUTTERFLY**

World:	1:52.09	Michael Phelps, USA	Melbourne, AUS	03-28-07
American:	1:52.09	Michael Phelps, USA	Melbourne, AUS	03-28-07
U.S. Open:	1:53.71	Michael Phelps, Club Wolverine	Columbia, Mo.	02-16-07

**200 INDIVIDUAL MEDLEY**

World:	1:54.98	Michael Phelps, USA	Melbourne, AUS.	03-29-07
American:	1:54.98	Michael Phelps, USA	Melbourne, AUS.	03-29-07
U.S. Open:	1:55.94	Michael Phelps, No. Baltimore	College Park, Md.	08-09-03

**400 INDIVIDUAL MEDLEY**

World:	4:06.22	Michael Phelps, USA	Melbourne, AUS	04-01-07
American:	4:06.22	Michael Phelps, USA	Melbourne, AUS	04-01-07
U.S. Open:	4:08.41	Michael Phelps, North Baltimore	Long Beach, Calif.	07-07-04

**400 FREESTYLE RELAY**

World:	3:12.46	USA	Victoria, CAN	08-18-06
		<i>(Michael Phelps, Neil Walker, Cullen Jones, Jason Lezak)</i>		
American:	3:12.46	USA	Victoria, CAN	08-18-06
		<i>(Michael Phelps, Neil Walker, Cullen Jones, Jason Lezak)</i>		
U.S. Open:	3:14.20	USA	Indianapolis, Ind.	04-06-03
		<i>(Scott Tucker, Nate Dusing, Jason Lezak, Neil Walker)</i>		

**800 FREESTYLE RELAY**

World:	7:03.24	USA	Melbourne, AUS	03-30-07
		<i>(Michael Phelps, Ryan Lochte, Klete Keller, Peter Vanderkaay)</i>		
American:	7:03.24	USA	Melbourne, AUS	03-30-07
		<i>(Michael Phelps, Ryan Lochte, Klete Keller, Peter Vanderkaay)</i>		
U.S. Open:	7:12.35	Club Wolverine	Irvine, Calif.	08-05-05
		<i>(Peter Vanderkaay, Michael Phelps, Klete Keller, Chris DeJong)</i>		

**400 MEDLEY RELAY**

World:	3:30.68	USA	Athens, GRE	08-21-04
		<i>(Aaron Peirsol, Brendan Hansen, Ian Crocker, Jason Lezak)</i>		
American:	3:30.68	USA	Athens, GRE	08-21-04
		<i>(Aaron Peirsol, Brendan Hansen, Ian Crocker, Jason Lezak)</i>		

U.S. Open: 3:34.24 USA Indianapolis, Ind. 04-06-03  
(Aaron Peirsol, Ed Moses, Michael Phelps, Neil Walker)

## LONG COURSE METERS—WOMEN

as of October 29, 2007

### 50 FREESTYLE

World: 24.13sf Inge de Bruijn, NED Sydney, AUS 09-22-00  
American: 24.53 Dara Torres, Coral Springs Indianapolis, Ind. 08-04-07  
U.S. Open: 24.50 Inge de Bruijn, NED Federal Way, Wash. 07-23-00

### 100 FREESTYLE

World: 53.30 Britta Steffen, GER Budapest, HUN 08-02-06  
American: 53.40 Natalie Coughlin, USA Melbourne, AUS 03-29-07  
U.S. Open: 53.58 Amanda Weir, Swim Atlanta Irvine, Calif. 08-05-06

### 200 FREESTYLE

World: 1:55.52 Laure Manaudou, FRA Melbourne, AUS 03-28-07  
American: 1:56.43 Natalie Coughlin, USA Melbourne, AUS 03-29-07  
U.S. Open: 1:57.57 Katie Hoff, North Baltimore Indianapolis, Ind. 07-31-07

### 400 FREESTYLE

World: 4:02.13 Laure Manaudou, FRA Budapest, HUN 08-06-06  
American: 4:03.85 Janet Evans, USA Seoul, KOR 09-22-88  
U.S. Open: 4:04.24 Kate Zeigler, The Fish Indianapolis, Ind. 07-31-07

### 800 FREESTYLE

World: 8:16.22 Janet Evans, USA Tokyo, JPN 08-20-89  
American: 8:16.22 Janet Evans, USA Tokyo, JPN 08-20-89  
U.S. Open: 8:17.12 Janet Evans, Fullerton Orlando, Fla. 03-22-88

### 1500 FREESTYLE

World: 15:42.54 Kate Ziegler, The Fish Mission Viejo, Calif. 06-17-07  
American: 15:42.54 Kate Ziegler, The Fish Mission Viejo, Calif. 06-17-07  
U.S. Open: 15:42.54 Kate Ziegler, The Fish Mission Viejo, Calif. 06-17-07

### 50 BACKSTROKE

World: 28.09 Li Yang, CH Hyderabad, IND 10-19-07  
American: 28.16 Leila Vaziri, USA Melbourne, AUS 03-29-07  
U.S. Open: 29.01 Natalie Coughlin, Terrapins Concord, Calif. 08-06-98

### 100 BACKSTROKE

World: 59.44 Natalie Coughlin, USA Melbourne, AUS 03-27-07  
American: 59.44 Natalie Coughlin, USA Melbourne, AUS 03-27-07  
U.S. Open: 59.58 Natalie Coughlin, Cal Fort Lauderdale, Fla. 08-13-02

### 200 BACKSTROKE

World: 2:06.62 Krisztina Egerszegi, HUN Athens, GRE 08-25-91  
American: 2:07.16 Margaret Hoelzer Melbourne, AUS 03-31-07  
U.S. Open: 2:07.83 Krisztina Egerszegi, HUN Atlanta, Ga. 07-25-96

### 50 BREASTSTROKE

World: 30.31 Jade Edminstone, AUS Melbourne, AUS 01-30-06  
American: 30.63 Jessica Hardy, USA Melbourne, AUS 04-01-07

U.S. Open: 30.95sf Penny Heyns, RSA Long Island, N.Y. 08-01-98

### 100 BREASTSTROKE

World: 1:05.09 Leisel Jones, AUS Melbourne, AUS 03-20-06  
American: 1:06.20sf Jessica Hardy, USA Montreal, CAN 07-25-05  
U.S. Open: 1:06.21 Leisel Jones, AUS Irvine, Calif. 08-02-05

### 200 BREASTSTROKE

World: 2:20.54 Leisel Jones, AUS Melbourne, AUS 02-01-06  
American: 2:22.44 Amanda Beard, Tucson Ford Long Beach, Calif. 07-12-04  
U.S. Open: 2:22.44 Amanda Beard, Tucson Ford Long Beach, Calif. 07-12-04

### 50 BUTTERFLY

World: 25.46 Therese Alshammar, SWE Barcelona, ESP 06-13-07  
American: 26.00 Jenny Thompson, USA Barcelona, ESP 07-26-03  
U.S. Open: 26.50ps Dara Torres, Stanford Indianapolis, Ind. 08-09-00

### 100 BUTTERFLY

World: 56.61 Inge de Bruijn, NED Sydney, AUS 09-17-00  
American: 57.34 Natalie Coughlin, USA Melbourne, AUS 03-26-07  
U.S. Open: 56.64 Inge de Bruijn, NED Federal Way, Wash. 07-22-00

### 200 BUTTERFLY

World: 2:05.40 Jessicah Schipper, AUS Victoria, CAN 08-17-06  
American: 2:05.88 Misty Hyman, USA Sydney, AUS 09-20-00  
U.S. Open: 2:05.96 Mary T. Meagher, Lakeside Brown Deer, Wis. 08-13-81

### 200 INDIVIDUAL MEDLEY

World: 2:09.72 Yanyan Wu, CHN Shanghai, CHN 10-17-97  
American: 2:10.05 Katie Hoff, North Baltimore Irvine, Calif. 08-01-06  
U.S. Open: 2:10.05 Katie Hoff, North Baltimore Irvine, Calif. 08-01-06

### 400 INDIVIDUAL MEDLEY

World: 4:32.89 Katie Hoff, USA Melbourne, AUS 04-01-07  
American: 4:32.89 Katie Hoff, USA Melbourne, AUS 04-01-07  
U.S. Open: 4:35.82 Katie Hoff, North Baltimore Irvine, Calif. 08-03-06

### 400 FREESTYLE RELAY

World: 3:35.22 Germany Budapest, HUN 07-31-06  
(Petra Dallman, Daniela Goetz, Britta Steffen, Annika Liebs)  
American: 3:35.68 USA Melbourne, AUS 03-25-07  
(Natalie Coughlin, Lacey Mymeyer, Amanda Weir, Kara Lynn Joyce)  
U.S. Open: 3:37.67 Australia Irvine, Calif. 08-02-05  
(Libby Lenton, Shayne Reese, Alice Mills, Jodie Henry)

### 800 FREESTYLE RELAY

World: 7:50.09 USA Melbourne, AUS 03-29-07  
(Natalie Coughlin, Dana Vollmer, Lacey Nymeyer, Katie Hoff)  
American: 7:50.09 USA Melbourne, AUS 03-29-07  
(Natalie Coughlin, Dana Vollmer, Lacey Nymeyer, Katie Hoff)  
U.S. Open: 7:59.87 USA Atlanta, Ga. 07-25-96  
(Trina Jackson, Cristina Teuscher, Sheila Taormina, Jenny  
Thompson)

### 400 MEDLEY RELAY

World: 3:55.74 Australia Melbourne, AUS 03-31-07

American:	3:58.30	(Sophie Edington, Leisel Jones, Jessicah Schipper, Libby Lenton) USA	Sydney, AUS	09-23-00
U.S. Open:	3:58.93	(BJ Bedford, Megan Quann, Jenny Thompson, Dara Torres) Australia	Irvine, Calif.	08-02-05
		(Giaan Rooney, Leisel Jones, Jessicah Schipper, Jodie Henry)		

## SHORT COURSE METERS—MEN

as of October 29, 2007

### 50 FREESTYLE

World:	20.98sf	Roland Schoeman, RSA	Hamburg, GER	08-12-06
American:	21.18	Nick Brunelli, Sun Devil	Tempe, Ariz.	12-11-05
U.S. Open:	21.18	Nick Brunelli, Sun Devil	Tempe, Ariz.	12-11-05

### 100 FREESTYLE

World:	46.25	Ian Crocker, Texas	East Meadow, N.Y.	03-27-04
	46.25	Roland Schoeman, RSA	Berlin, GER	01-22-05
American:	46.25	Ian Crocker, Texas	East Meadow, N.Y.	03-27-04
U.S. Open:	46.25	Ian Crocker, Texas	East Meadow, N.Y.	03-27-04

### 200 FREESTYLE

World:	1:41.10	Ian Thorpe, AUS	Berlin, GER	02-06-00
American:	1:42.78	Michael Phelps, Club Wolverine	East Meadow, NY	02-04-06
U.S. Open:	1:42.78	Michael Phelps, Club Wolverine	East Meadow, NY	02-04-06

### 400 FREESTYLE

World:	3:34.58	Grant Hackett, AUS	Sydney, AUS	07-18-02
American:	3:40.66	Chad Carvin, USA	Berlin, GER	02-05-00
U.S. Open:	3:40.47	Ryk Neethling, RSA	Minneapolis, Minn.	03-23-00

### 800 FREESTYLE

World:	7:25.28	Grant Hackett, AUS	Perth, AUS	08-03-01
American:	7:43.06	Jeff Kostoff, USA	Bonn, FRG	02-13-83
U.S. Open:	7:43.06	Jeff Kostoff, USA	Bonn, FRG	02-13-83

### 1500 FREESTYLE

World:	14:10.10	Grant Hackett, AUS	Perth, AUS	08-07-01
American:	14:31.02	Erik Vendt, Southern Cal	Minneapolis, Minn.	03-25-00
U.S. Open:	14:31.02	Erik Vendt, Southern Cal	Minneapolis, Minn.	03-25-00

### 50 BACKSTROKE

World:	23.27	Thomas Rupprath, GER	Vienna, AUT	12-10-04
American:	23.42sf	Neil Walker, USA	Athens, GRE	03-16-00
U.S. Open:	23.51	Thomas Rupprath, GER	Indianapolis, Ind.	10-10-04

### 100 BACKSTROKE

World:	49.99r	Ryan Lochte, USA	Shanghai, CHN	04-09-06
American:	49.99r	Ryan Lochte, USA	Shanghai, CHN	04-09-06
U.S. Open:	50.32	Peter Marshall, Stanford	East Meadow, N.Y.	03-26-04

### 200 BACKSTROKE

World:	1:49.05	Ryan Lochte, USA	Shanghai, CHN	04-09-06
American:	1:49.05	Ryan Lochte, USA	Shanghai, CHN	04-09-06
U.S. Open:	1:50.52	Aaron Peirsol, USA	Indianapolis, Ind.	10-11-04

**50 BREASTSTROKE**

World:	26.17	Oleg Lisogor, UKR	Berlin, GER	01-21-06
American:	26.28	Ed Moses, USA	Stockholm, SWE	01-22-02
U.S. Open:	26.60	Oleg Lisogor, UKR	East Meadow, N.Y.	02-11-05

**100 BREASTSTROKE**

World:	57.47	Ed Moses, USA	Stockholm, SWE	01-23-02
American:	57.47	Ed Moses, USA	Stockholm, SWE	01-23-02
U.S. Open:	57.66	Ed Moses, Virginia	Minneapolis, Minn.	03-24-00

**200 BREASTSTROKE**

World:	2:02.92	Ed Moses, USA	Berlin, GER	01-17-04
American:	2:02.92	Ed Moses, USA	Berlin, GER	01-17-04
U.S. Open:	2:04.61	Ed Moses, Curl-Burke	East Meadow, N.Y.	01-30-04

**50 BUTTERFLY**

World:	22.60	Kaio Almeida, BRA	Santos, BRA	12-18-05
American:	22.71	Ian Crocker, USA	Indianapolis, Ind.	10-10-04
U.S. Open:	22.71	Ian Crocker, USA	Indianapolis, Ind.	10-10-04

**100 BUTTERFLY**

World:	49.07	Ian Crocker, Texas	East Meadow, N.Y.	03-26-04
American:	49.07	Ian Crocker, Texas	East Meadow, N.Y.	03-26-04
U.S. Open:	49.07	Ian Crocker, Texas	East Meadow, N.Y.	03-26-04

**200 BUTTERFLY**

World:	1:50.73	Franck Esposito, FRA	Antibes, FRA	12-08-02
American:	1:52.27	Michael Phelps, USA	Melbourne, AUS	11-28-03
U.S. Open:	1:53.18	James Hickman, GBR	East Meadow, N.Y.	11-23-02

**100 INDIVIDUAL MEDLEY**

World:	51.52	Ryk Neethling, RSA	East Meadow, N.Y.	02-11-05
American:	52.79	Neil Walker, USA	Athens, GRE	03-18-00
U.S. Open:	51.52	Ryk Neethling, RSA	East Meadow, N.Y.	02-11-05

**200 INDIVIDUAL MEDLEY**

World:	1:53.31	Ryan Lochte, USA	Shanghai, CHN	04-07-06
American:	1:53.31	Ryan Lochte, USA	Shanghai, CHN	04-07-06
U.S. Open:	1:53.93	George Bovell, TRI/Auburn	East Meadow, N.Y.	03-25-04

**400 INDIVIDUAL MEDLEY**

World:	4:00.37	Laszle Cseh, HUN	Trieste, ITA	12-09-05
American:	4:02.49	Ryan Lochte, USA	Shanghai, CHN	04-06-06
U.S. Open:	4:03.99	Michael Phelps, Club Wolverine	East Meadow, N.Y.	02-03-06

**200 FREESTYLE RELAY**

World Best:	1:25.03	Netherlands	Trieste, ITA	12-11-05
		<i>(Mark Veens, Mitja Zastrow, Gija Damen, Johan Kenkhuis)</i>		
American:	1:25.69	Stanford	East Meadow, N.Y.	03-25-04
		<i>(Ben Wildman-Tobriner, Peter Marshall, Andrew Schnell, Bobby O'Bryan)</i>		
U.S. Open:	1:23.75	Auburn	East Meadow, N.Y.	03-25-04
		<i>(George Bovell, Ryan Wochomurka, Derek Gibb, Fred Bousquet)</i>		

**400 FREESTYLE RELAY**

World:	3:09.57	Sweden	Athens, GRE	03-16-00
		<i>(Johan Nystrom, Lars Frolander, Mattias Ohlin, Stefan Nystrand)</i>		
American:	3:09.96	USA	Indianapolis, Ind.	10-07-04
		<i>(Nick Brunelli, Neil Walker, Nate Dusing, Jason Lezak)</i>		
U.S. Open:	3:08.75	Auburn	East Meadow, N.Y.	03-27-04
		<i>(George Bovell, Ryan Wochomurka, Derek Gibb, Fred Bousquet)</i>		

**800 FREESTYLE RELAY**

World:	6:52.66	Australia	Perth, AUS	08-31-07
		<i>(Kirk Palmer, Grant Hackett, Grant Brits, Kenrick Monk)</i>		
American:	7:01.33	USA	Athens, GRE	03-17-00
		<i>(Josh Davis, Neil Walker, Scott Tucker, Chad Carvin)</i>		
U.S. Open:	7:01.42	Michigan	East Meadow, N.Y.	03-26-04
		<i>(Peter Vanderkaay, Davis Tarwater, Andrew Hurd, Dan Ketchum)</i>		

**200 MEDLEY RELAY**

World Best:	1:34.46	Germany	Dublin, IRE	12-11-03
		<i>(Thomas Rupprath, Mark Warnecke, Fabian Friedrich, Carsten Dehmlow)</i>		
American Best:	1:34.58	Texas	East Meadow, N.Y.	03-26-04
		<i>(Aaron Peirsol, Brendan Hansen, Ian Crocker, Garrett Weber-Gale)</i>		
U.S. Open Best:	1:34.25	Auburn	East Meadow, N.Y.	03-26-04
		<i>(Doug Van Wie, Mark Gangloff, Fred Bousquet, Derek Gibb)</i>		

**400 MEDLEY RELAY**

World:	3:25.09	USA	Indianapolis, Ind.	10-11-04
		<i>(Aaron Peirsol, Brendan Hansen, Ian Crocker, Jason Lezak)</i>		
American:	3:25.09	USA	Indianapolis, Ind.	10-11-04
		<i>(Aaron Peirsol, Brendan Hansen, Ian Crocker, Jason Lezak)</i>		
U.S. Open:	3:25.09	USA	Indianapolis, Ind.	10-11-04
		<i>(Aaron Peirsol, Brendan Hansen, Ian Crocker, Jason Lezak)</i>		

**SHORT COURSE METERS—WOMEN***as of October 29, 2007***50 FREESTYLE**

World:	23.59	Therese Alshammar, SWE	Athens, GRE	03-18-00
American:	24.21p	Kara Lynn Joyce, Georgia	College Station, Texas	03-18-04
U.S. Open:	24.21p	Kara Lynn Joyce, Georgia	College Station, Texas	03-18-04

**100 FREESTYLE**

World:	51.70	Libby Lenton, AUS	Melbourne, AUS	08-09-05
American:	52.81r	Natalie Coughlin, Cal	College Station, Texas	03-20-04
U.S. Open:	52.67	Libby Lenton, AUS	Indianapolis, Ind.	10-09-04

**200 FREESTYLE**

World:	1:53.29	Libby Lenton, AUS	Sydney, AUS	11-19-05
American:	1:54.04	Lindsay Benko, USA	Moscow, RUS	04-07-02
U.S. Open:	1:54.64	Josefin Lillhage, SWE	East Meadow, N.Y.	02-11-05

**400 FREESTYLE**

World:	3:56.79	Laure Manaudou, FRA	Trieste, ITA	12-10-05
American:	3:59.53	Lindsay Benko, USA	Berlin, GER	01-26-03

U.S. Open: 4:01.36 Sachiko Yamada, JPN East Meadow, N.Y. 01-31-04

### 800 FREESTYLE

World: 8:08.00 Kate Ziegler, The Fish Essen, GER 10-14-07  
American: 8:08.00 Kate Ziegler, The Fish Essen, GER 10-14-07  
U.S. Open: 8:12.19 Kate Ziegler, The Fish East Meadow, N.Y. 02-03-06

### 1500 FREESTYLE

World: 15:32.90 Kate Ziegler, The Fish Essen, GER 10-12-07  
American: 15:32.90 Kate Ziegler, The Fish Essen, GER 10-12-07  
U.S. Open: 15:43.31 Petra Schneider, GDR Gainesville, Fla. 01-10-82

### 50 BACKSTROKE

World: 26.83 Hui Li, CHN Shanghai, CHN 12-02-01  
American: 27.08 Natalie Coughlin, Cal East Meadow, N.Y. 11-22-02  
U.S. Open: 27.08 Natalie Coughlin, Cal East Meadow, N.Y. 11-22-02

### 100 BACKSTROKE

World: 56.51 Natalie Coughlin, Cal Singapore, SIN 10-28-07  
American: 56.51 Natalie Coughlin, Cal Singapore, SIN 10-28-07  
U.S. Open: 56.71 Natalie Coughlin, Cal East Meadow, N.Y. 11-23-02

### 200 BACKSTROKE

World: 2:03.62 Natalie Coughlin, Cal East Meadow, N.Y. 11-27-01  
American: 2:03.62 Natalie Coughlin, Cal East Meadow, N.Y. 11-27-01  
U.S. Open: 2:03.62 Natalie Coughlin, Cal East Meadow, N.Y. 11-27-01

### 50 BREASTSTROKE

World: 29.90 Jade Edmestone, AUS Brisbane, AUS 09-26-04  
American: 30.29sf Tara Kirk, Stanford College Station, Texas 03-19-04  
U.S. Open: 30.01sf Jade Edmestone, AUS Indianapolis, Ind. 10-07-04

### 100 BREASTSTROKE

World: 1:03.86 Leisel Jone, AUS Melbourn, AUS 08-28-06  
American: 1:04.79 Tara Kirk, Stanford College Station, Texas 03-19-04  
U.S. Open: 1:04.79 Tara Kirk, Stanford College Station, Texas 03-19-04

### 200 BREASTSTROKE

World: 2:17.75 Leisel Jones, AUS Melbourne, AUS 11-29-03  
American: 2:20.70 Tara Kirk, Stanford College Station, Texas 03-20-04  
U.S. Open: 2:20.70 Tara Kirk, Stanford College Station, Texas 03-20-04

### 50 BUTTERFLY

World: 25.33 Anna-Karin Kammerling, SWE Stockholm, SWE 03-12-05  
American: 25.83 Natalie Coughlin, Cal East Meadow, N.Y. 11-28-01  
U.S. Open: 25.74 Anna-Karin Kammerling, SWE East Meadow, N.Y. 11-23-02

### 100 BUTTERFLY

World: 55.95 Libby Lenton, AUS Hobart, AUS 08-28-06  
American: 56.34 Natalie Coughlin, Cal East Meadow, N.Y. 11-22-02  
U.S. Open: 56.34 Natalie Coughlin, Cal East Meadow, N.Y. 11-22-02

### 200 BUTTERFLY

World:	2:04.04	Yang Yu, CHN	Berlin, GER	01-18-04
American:	2:05.65	Mary T. Meagher, USA	Gainesville, Fla.	01-02-81
U.S. Open:	2:05.65	Mary T. Meagher, USA	Gainesville, Fla.	01-02-81

#### 100 INDIVIDUAL MEDLEY

World:	58.80	Natalie Coughlin, Cal	East Meadow, N.Y.	11-23-02
American:	58.80	Natalie Coughlin, Cal	East Meadow, N.Y.	11-23-02
U.S. Open:	58.80	Natalie Coughlin, Cal	East Meadow, N.Y.	11-23-02

#### 200 INDIVIDUAL MEDLEY

World:	2:07.79	Allison Wagner, USA	Mallorca, ESP	12-05-93
American:	2:07.79	Allison Wagner, USA	Mallorca, ESP	12-05-93
U.S. Open:	2:08.11	Kaitlin Sandeno, Southern Cal	College Station, Texas	03-18-04

#### 400 INDIVIDUAL MEDLEY

World:	4:27.83	Yana Klochkova, UKR	Paris, FRA	01-19-02
American:	4:30.12	Kaitlin Sandeno, USA	Indianapolis, Ind.	10-07-04
U.S. Open:	4:30.12	Kaitlin Sandeno, USA	Indianapolis, Ind.	10-07-04

#### 200 FREESTYLE RELAY

World Best:	1:36.27	Netherlands	Trieste, ITA	12-09-05
		<i>(Hinkelien Schreuder, Inge Dekker, Chantal Groot, Marleen Veldhuis)</i>		
American Best:	1:37.27	Georgia	College Station, Texas	03-18-04
		<i>(Kara Lynn Joyce, Neka Mabry, Paige Kearns, Andrea Georoff)</i>		
U.S. Open Best:	1:37.27	Georgia	College Station, Texas	03-18-04
		<i>(Kara Lynn Joyce, Neka Mabry, Paige Kearns, Andrea Georoff)</i>		

#### 400 FREESTYLE RELAY

World:	3:31.66	Australia	Melbourne, AUS	09-02-07
		<i>(Libby Lenton, Alice Mills, Shayne Reese, Melanie Schlanger)</i>		
American:	3:35.07	USA	Indianapolis, Ind.	10-10-04
		<i>(Amanda Weir, Kara Lynn Joyce, Lindsay Benko, Jenny Thompson)</i>		
U.S. Open:	3:35.07	USA	Indianapolis, Ind.	10-10-04
		<i>(Amanda Weir, Kara Lynn Joyce, Lindsay Benko, Jenny Thompson)</i>		

#### 800 FREESTYLE RELAY

World:	7:46.30	China	Moscow, RUS	04-03-02
		<i>(Yanwei Xu, Yingwen Zhu, Jingzhi Tang, Yu Yang)</i>		
American:	7:47.55	USA	Moscow, RUS	04-03-02
		<i>(Lindsay Benko, Gabrielle Rose, Colleen Lanne, Rachel Komisarz)</i>		
U.S. Open:	7:47.72	USA	Indianapolis, Ind.	10-07-04
		<i>(Dana Vollmer, Rachel Komisarz, Lindsay Benko, Kaitlin Sandeno)</i>		

#### 200 MEDLEY RELAY

World Best:	1:47.44	Netherlands	Trieste, ITA	12-10-05
		<i>(Hinkelien Schreuder, Moniek Nijhuis, Inge Dekker, Marleen Veldhuis)</i>		
American:	1:49.71	Arizona	Indianapolis, Ind.	03-17-00
		<i>(Beth Botsford, Amanda Beard, Amy Bouta, Denali Knapp)</i>		
U.S. Open:	1:49.02	Auburn	College Station, Texas	03-19-04
		<i>(Jenni Anderson, Laura Swander, Margaret Hoelzer, Eileen Coparropa)</i>		

#### 400 MEDLEY RELAY

World:	3:51.84	Australia	Shanghai, CHN	04-07-06
		<i>(Tayliah Zimmer, Jade Edmestone, Jessicah Schipper, Libby Jenton)</i>		

American:	3:55.68	USA Short Course World Team	Indianapolis, Ind.	10-09-04
		<i>(Haley Cope, Tara Kirk, Jenny Thompson, Kara Lynn Joyce)</i>		
U.S. Open:	3:54.95	Australia	Indianapolis, Ind.	10-09-04
		<i>(Sophie Edington, Brooke Hanson, Jessicah Schipper, Libby Lenton)</i>		

## SHORT COURSE YARDS—MEN

as of October 29, 2007

### 50 FREESTYLE

American:	18:87r	Ben Wildman-Tobriner, Stanford	Minneapolis, Minn.	03-15-07
U.S. Open:	18.69	Cesar Cielo, Auburn	Minneapolis, Minn.	03-15-07

### 100 FREESTYLE

American:	41.62	Anthony Ervin, Cal	Athens, Ga.	03-30-02
U.S. Open:	41.17	Cesar Cielo, Auburn	Minneapolis, Minn.	03-15-07

### 200 FREESTYLE

American:	1:32.08	Michael Phelps, Club Wolverine	Austin, Texas	03-03-05
U.S. Open:	1:31.20	Simon Burnett, Arizona/GBR	Atlanta, Ga.	03-24-06

### 500 FREESTYLE

American:	4:08.60	Peter Vanderkaay, Michigan	Atlanta, Ga.	03-23-06
U.S. Open:	4:08.60	Peter Vanderkaay, Michigan	Atlanta, Ga.	03-23-06

### 1000 FREESTYLE

American:	8:42.64	Robert Margalis, Saint Petersburg Aquatics	Clearwater, Fla.	03-01-07
U.S. Open:	8:42.64	Robert Margalis, Saint Petersburg Aquatics	Clearwater, Fla.	03-01-07

### 1650 FREESTYLE

American:	14:26.62	Chris Thompson, Michigan	College Station, Texas	03-24-01
U.S. Open:	14:26.62	Chris Thompson, Michigan	College Station, Texas	03-24-01

### 100 BACKSTROKE

American:	44.60r	Ryan Lochte, Florida	Atlanta, Ga.	03-24-06
U.S. Open:	44.60r	Ryan Lochte, Florida	Atlanta, Ga.	03-24-06

### 200 BACKSTROKE

American:	1:37.68	Ryan Lochte, Florida	Atlanta, Ga.	03-25-06
U.S. Open:	1:37.68	Ryan Lochte, Florida	Atlanta, Ga.	03-25-06

### 100 BREASTSTROKE

American:	51.56	Michael Alexandrov, Northwestern	Minneapolis, Minn.	03-15-07
U.S. Open:	51.56	Michael Alexandrov, Northwestern	Minneapolis, Minn.	03-15-07

### 200 BREASTSTROKE

American:	1:51.74	Brendan Hansen, Texas	Austin, Texas	03-03-06
U.S. Open:	1:51.74	Brendan Hansen, Texas	Austin, Texas	03-03-06

### 100 BUTTERFLY

American:	44.72	Ian Crocker, Texas	Austin, Texas	02-27-04
U.S. Open:	44.57	Albert Subirats, Arizona	Minneapolis, Minn.	03-15-07

### 200 BUTTERFLY

American:	1:39.70	Michael Phelps, Club Wolverine	Austin, Texas	03-03-06
U.S. Open:	1:39.70	Michael Phelps, Club Wolverine	Austin, Texas	03-03-06

#### 200 INDIVIDUAL MEDLEY

American:	1:40.55	Ryan Lochte, Florida	Atlanta, Ga.	03-23-06
U.S. Open:	1:40.55	Ryan Lochte, Florida	Atlanta, Ga.	03-23-06

#### 400 INDIVIDUAL MEDLEY

American:	3:36.26	Michael Phelps, Club Wolverine	Austin, Texas	03-02-06
U.S. Open:	3:36.26	Michael Phelps, Club Wolverine	Austin, Texas	03-02-06

#### 200 FREESTYLE RELAY

American:	1:16.49	Stanford	Athens, Ga.	03-28-02
		<i>(Randall Bal, Peter Marshall, Andrew Schnell, Bobby O'Bryan)</i>		
U.S. Open:	1:14.71	Auburn	Minneapolis, Minn.	03-15-07
		<i>(Cesar Cielo, Matt Targett, Scott Goodrich, Bryan Lundquist)</i>		

#### 400 FREESTYLE RELAY

American:	2:49.80	Texas	College Station, Texas	03-24-01
		<i>(Nate Dusing, Ian Crocker, Tommy Hannan, Jamie Rauch)</i>		
U.S. Open:	2:47.70	California	Minneapolis, Minn.	03-26-05
		<i>(Duje Draganja, Mike Cavic, Jonas Tilly, Rolandas Gimbutis)</i>		

#### 800 FREESTYLE RELAY

American:	6:17.92	Stanford	Minneapolis, Minn.	03-16-07
		<i>(Andy Grant, Danny Beal, Hongzhe Sun, Shaun Phillips)</i>		
U.S. Open:	6:14.14	Arizona	Minneapolis, Minn.	03-15-07
		<i>(Nicolas Nilo, Jean Basson, Darian Townsend, Adam Ritter)</i>		

#### 200 MEDLEY RELAY

American:	1:24.00	Longhorn	Austin, Texas	03-04-06
		<i>(Aaron Peirsol, Brendan Hansen, Ian Crocker, Neil Walker)</i>		
U.S. Open:	1:23.37	Auburn	Minneapolis, Minn.	03-15-07
		<i>(Scott Goodrich, David Maras, Alexei Puninski, Cesar Cielo)</i>		

#### 400 MEDLEY RELAY

American:	3:02.47	Longhorn	Austin, Texas	03-04-06
		<i>(Aaron Peirsol, Brendan Hansen, Ian Crocker, Neil Walker)</i>		
U.S. Open:	3:02.47	Longhorn	Austin, Texas	03-04-06
		<i>(Aaron Peirsol, Brendan Hansen, Ian Crocker, Neil Walker)</i>		

## SHORT COURSE YARDS—WOMEN

*as of October 29, 2007*

#### 50 FREESTYLE

American:	21.63	Kara Lynn Joyce, Georgia	Athens, Ga.	03-16-06
U.S. Open:	21.63	Kara Lynn Joyce, Georgia	Athens, Ga.	03-16-06

#### 100 FREESTYLE

American:	47.00r	Natalie Coughlin, Cal	Auburn, Ala.	03-22-03
U.S. Open:	47.00r	Natalie Coughlin, Cal	Auburn, Ala.	03-22-03

#### 200 FREESTYLE

American:	1:41.66	Natalie Coughlin, Cal	Long Beach, Cal.	01-14-07
U.S. Open:	1:41.66	Natalie Coughlin, Cal	Long Beach, Cal.	01-14-07

**500 FREESTYLE**

American:	4:33.35	Kate Ziegler, The Fish	Germantown, Md.	02-25-06
U.S. Open:	4:33.35	Kate Ziegler, The Fish	Germantown, Md.	02-25-06

**1000 FREESTYLE**

American:	9:21.57	Kate Ziegler, The Fish	Fairfax, Va.	12-07-06
U.S. Open:	9:21.57	Kate Ziegler, The Fish	Fairfax, Va.	12-07-06

**1650 FREESTYLE**

American:	15:37.17	Kate Ziegler, The Fish	Fairfax, Va.	12-07-06
U.S. Open:	15:37.17	Kate Ziegler, The Fish	Fairfax, Va.	12-07-06

**100 BACKSTROKE**

American:	49.97	Natalie Coughlin, Cal	Austin, Texas	03-22-02
U.S. Open:	49.97	Natalie Coughlin, Cal	Austin, Texas	03-22-02

**200 BACKSTROKE**

American:	1:49.52	Natalie Coughlin, Cal	Austin, Texas	03-23-02
U.S. Open:	1:49.52	Natalie Coughlin, Cal	Austin, Texas	03-23-02

**100 BREASTSTROKE**

American:	57.77	Tara Kirk, Palo Alto Stanford	Austin, Texas	03-04-06
U.S. Open:	57.77	Tara Kirk, Palo Alto Stanford	Austin, Texas	03-04-06

**200 BREASTSTROKE**

American:	2:05.73	Tara Kirk, Palo Alto Stanford	Austin, Texas	03-03-06
U.S. Open:	2:05.73	Tara Kirk, Palo Alto Stanford	Austin, Texas	03-03-06

**100 BUTTERFLY**

American:	50.01	Natalie Coughlin, Cal	Austin, Texas	03-22-02
U.S. Open:	50.01	Natalie Coughlin, Cal	Austin, Texas	03-22-02

**200 BUTTERFLY**

American:	1:51.91	Natalie Coughlin, Cal	Auburn, Ala.	12-07-02
U.S. Open:	1:51.91	Natalie Coughlin, Cal	Auburn, Ala.	12-07-02

**200 INDIVIDUAL MEDLEY**

American:	1:53.91	Maggie Bowen, Auburn	Austin, Texas	03-21-02
U.S. Open:	1:53.91	Maggie Bowen, Auburn	Austin, Texas	03-21-02

**400 INDIVIDUAL MEDLEY**

American:	4:02.28	Summer Sanders, Stanford	Austin, Texas	03-20-92
U.S. Open:	4:02.28	Summer Sanders, Stanford	Austin, Texas	03-20-92

**200 FREESTYLE RELAY**

American:	1:27.23	Arizona	Minneapolis, Minn.	03-08-07
		<i>(Lara Jackson, Lacey Nymeyer, Anna Turner, Lindsey Kelly)</i>		
U.S. Open:	1:27.23	Arizona	Minneapolis, Minn.	03-08-07
		<i>(Lara Jackson, Lacey Nymeyer, Anna Turner, Lindsey Kelly)</i>		

**400 FREESTYLE RELAY**

American:	3:12.13	California	Minneapolis, Minn.	03-10-07
		<i>(Emily Silver, Erin Reilly, Jessica Hardy, Dana Vollmer)</i>		
U.S. Open:	3:12.13	California	Minneapolis, Minn.	03-10-07
		<i>(Emily Silver, Erin Reilly, Jessica Hardy, Dana Vollmer)</i>		

**800 FREESTYLE RELAY**

American: 7:00.89 California Minneapolis, MN 03-09-07  
(Dana Vollmer, Emily Silver, Blake Hayter, Erin Reilly)  
U.S. Open: 7:00.25 Florida Gainesville, Fla. 02-16-05  
(Maureen Farrell, Caroline Burckle, Mareetta Uhle, Leah Retrum)

**200 MEDLEY RELAY**

American: 1:36.09 Arizona Minneapolis, Minn. 03-09-07  
(Hailey DeGolia, Annie Chandler, Lara Jackson, Lindsey Kelly)  
U.S. Open: 1:36.09 Arizona Minneapolis, Minn. 03-09-07  
(Hailey DeGolia, Annie Chandler, Lara Jackson, Lindsey Kelly)

**400 MEDLEY RELAY**

American: 3:30.18 California Minneapolis, Minn. 03-08-07  
(Lauren Rogers, Jessica Hardy, Dana Vollmer, Emily Silver)  
U.S. Open: 3:30.18 California Minneapolis, Minn. 03-08-07  
(Lauren Rogers, Jessica Hardy, Dana Vollmer, Emily Silver)

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