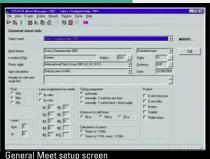
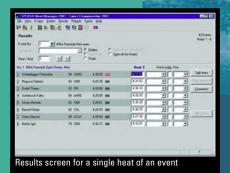
# SwimNews

**NUMBER 273** JANUARY-FEBRUARY 2003 \$4.95 CAN www.swimnews.com **ALISON SHEPPARD** FASTEST SPRINTER IN THE WORLD 400 IM WORLD RECORD FOR BRIAN JOHNS AT GIS MINITENKO BENTS FLY RECORD AT US OPEN











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**Cecil Colwin** 

Thomas Rupprath

Canadian Short Course Records

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#### **ABOUT THIS ISSUE**

ue to circumstances beyond our control, we were substantially delayed with our first issue for 2003.

For months we have been working on the software that merges competition data files and generates rankings on our website (www.swimnews.com) and in print. We are not quite finished.

However, as late as we are, everything of importance is in the current issue.

We start with all the various short course championships throughout the world: Australia, Great Britain, Canada, and the US Open (long course). World, Commonwealth, and Canadian records tumbled and are recorded as they happened.

The World Cup series produced seven world records and the emergence of Alison Sheppard (GBR) as the top women's performer. This is a remarkable story as Sheppard lives and trains in Duncan, BC, and is married to her Canadian coach, Gary VanderMeulen. Their partnership has resulted in Sheppard becoming the fastest 50 freestyle both long and short course. The story is told on pages 28-29 by Nikki Dryden. Sheppard's improvement during the past years should be an inspiration to all.

Cecil Colwin tackles the topic of breathing. Everybody has to breathe but swimmers, like singers, need to train their breathing for effective performance.

Ben Lafferty explains how the British Turnaround resulted from new initiatives put in place by National Performance Director Bill Sweetenham and National Youth Coach John Atkinson.

Behind great athletes (Grant Hackett), an inspired coach is the main ingredient of success. Denis Cotterell is such a person, and Nikki Dryden spent some time with his program on the Queensland Gold Coast last spring and tells his story.

Victor Davis was Canada's greatest breaststroker, an Olympic, world, and Commonwealth gold-medal winner as well a world-record setter. He died in a tragic accident in 1989. Three months before his death, we were able to get Victor to explain how he prepared for the 200 breaststroke. When you read his words, it's obvious he knew what he was doing and, even rarer, he could explain it. The article was first published in our July 1989 issue.

Wayne Goldsmith writes on the latest information on the physiology of training and

## **Coach/Administrator**

(Men's and Women's Swimming - Aquatics & Recreation Programming)

Contract position

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Requirements of the position include: a minimum university undergraduate degree, National Coaching Certification Program Level 3 coaching accreditation, current NLS, 3 to 5 years experience at the university level in Canada or the USA. Appreciation for the high demands placed on student-athletes who chose to pursue their sport in an internationally recognized academic institution. Experience in sport administration and a strong background in and knowledge of post secondary education is preferred. Proven ability to work within a team setting.

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practical applications on how you might gain an edge.

Brian Johns (UBC) led his university team to its fourth consecutive championships at the Canadian Interuniversity Sports (CIS) Championships, winning four individual and three relay golds. He broke the world record in the 400 IM. The story is on page 48with a comparison of the splits for the top swims in Canada and the world since 1987.

The US Open was long course and with many of the top American swimmers missing, but a strong Canadian contingent won eight events, including Michael Mintenko in the 100 butterfly in a Canadian record of 52.44, bettering his own previous time of 52.58 from the Sydney Olympic final.

In January, the Australian Youth Olympic Festival was held in Sydney with teams from the

Pacific Rim for 18-year-olds or younger. Australia dominated, with Canada fifth in a field of six. Brittany Reimer was the top Canadian with two golds and four silvers.

TOP program results can be found on pages 18-19, with 624 entries taking part. This program is in its 20th consecutive year and has remained unchanged for all that period.

A lot of useful information is also available: records with splits for the World and Canada, as well as Commonwealth and Canadian Age Group.

Olympic Standards with the order of events in Athens, as well as the World Championships are also included.

Rankings will be back as soon as possible, including Making Waves, which will be expanded to allow additional swimmers to be featured.

### **CALENDAR**

CANAI	DIAN		NATIONAL	7-9	World Cup 9, Rio de Janeiro, BRA
April		April		May	Possesson Change to although the Madell PCD
4-6	Limpert Team Championships, NB	1-5	Ukrainian Open Nationals	6-16	European Championships, Madrid, ESP
11-13	Etobicoke Pentathlon	9-13	National Championships, Madrid, ESP	Augus	
12-13	Richmond West Coast, BC	13-20	National Championships, St-Etienne, FRA	13-29	Olympic Games, Athens, GRE
18-20	Island Invitational, Victoria, BC	May		Octob	
25-27	Ontario Div.1 Teams, Etobicoke	16-18	International Meet, Charleroi, BEL	1-7	Asian Championships, Doha, QAT
	Ontario Div.2 Teams, Thunder Bay	16-18	Akropolis International, Athens, GRE	7-10	World SC Championships, Indianapolis,
	Ontario Div.3 Teams, Sudbury	17-18	International Meet, Lisbon, POR	<b>Decen</b>	
May		24-25	Grand Prix 2, Malmo, SWE	9-12	European SC Championships, Vienna, AU
3-4	Alberta Open	June		2005	
3-4	West Coach Open, Richmond, BC	7-8	Golden Bear, Zagreb, CRO		
9-11	ROW Invitational, Waterloo	7-8	Mare Nostrum 1, Rome, ITA	June	Mediterranean Games, Almeria, ESP
9-11	Hicken Invitational, Etobicoke	10-11	Mare Nostrum 2, Monte Carlo, MON	24-3	Mediterranean Games, Ameria, ESP
16-19	Hyack Invitational, New Westminster, BC	13-15	International Meet, Vienna, AUT	<i>July</i>	World Championships, Montreal, CAN
23-25	New Brunswick Championships	14-15	Mare Nostrum 3, Barcelona, ESP	17-31	world Championships, Mondear, CAN
23-25	Age Group International, Etobicoke	17-18	Mare Nostrum 4, Canet, FRA	2006	
June		18-22	Scottish Open and AG, Glasgow, SCO	March	
30-1	Quebec Cup II, Montreal	27-29	Vittel Cup Final, Caen, FRA	15-26	Commonwealth Games, Melbourne, AUS
30-1	Mel Zajac International, Vancouver, BC	28-30	Estonian Championships, Taru, EST		Commonwealur Games, Melbourne, Aos
30-1	Ontario Cup, London	July	M a DIII	<b>July</b> 27-6	European Championships, Budapest, HU
30-1	ROD Classic, Regina, SK	1-4	Moscow Cup, RUS	Decen	
31-1	Ken Dunn Championships, Halifax, NS	11-13	Schwimmfest, Darmstadt, GER	1-15	Asian Games, Doha, QAT
6-8	Kamloops Classic, BC	17-20	ASA Championships, GBR	1-1)	Asian Games, Dona, QAI
13-15	Moose Jaw Invitational, SK	13-27	World Championships, Barcelona, ESP		
20-22	Island Invitational, Victoria, BC	27-30	ASA Age Group Nationals, Sheffield, GBR	UNITE	D STATES
21-22	Hyack Invitational, New Westminster, BC	Augus		March	
26-29	Man/Sask Championships, Regina, SK	31-3	ASA National Youths, GBR	20-22	Women's NCAA Champs, Auburn, AB
27-29	Ontario Junior/SWAD, Brantford	31-3	European Juniors, Glasgow, SCO	27-29	Men's NCAA Champs, Austin, TX
26-30	World and Pan Am Trials, Victoria, BC	6-10	National Championships, Athens, GRE	April	1 / /
July	First Court Channel and the Colon Information ND	1-17	Pan American Games, Santo Domingo	1-5	Spring Nationals, Indianapolis, IN
4-6	East Coast Championships, Saint John, NB	14-17	British SC Championships, GBR	6	USA vs AUS Dual Meet, Indianapolis, IN
4-6	Alberta SR Championships	21-31 24-29	World University Games, Daegu, KOR	May	, , ,
10-13	TAS BC Championship, Kamloops	-	Asian AG Championships, TPE	15-28	Grand Prix 1, Ann Arbor, MI
11-13	Quebec Age Groups, Montreal	<b>Octob</b> 4-18	All Africa Games, Abuja, NGR	June	
11-13	Alberta AG Championships	18-19	Grand Prix 3, Stockholm, SWE	5-8	Grand Prix 2, Charlotte, NC
17-20	Canadian SWAD Nationals, Edmonton	Noven		19-22	SWAD Championships, Minneapolis, MN
24-27	Eastern Cup Montreal Club Nationals, TBA	21-23	Grand Prix 4, Goteborg, SWE	27-29	Grand Prix 3, Santa Clara, CA
27-29 <b>Noven</b>	*	24-25	World Cup 1, Daejeon, KOR	July	
		28-30	World Cup 2, Melbourne, AUS	10-13	Grand Prix 4, Los Angeles, CA
27-30	Canadian SC Nationals, Ste-Foy, QC	Decen		Augus	st .
2004		5-6	World Cup 3, Durban RSA	5-9	Summer Nationals, College Park, MD
Febru	(ZAM)	11-14	European SC Championships, Dublin, IRL	Decen	nber
19-22	Eastern Canadians, Halifax, NS	11 11	European oc championships, Dubini, IKE	4-6	US Open, Federal Way, WA
19-22	Western Canadians, TBA	2004			
20-22	CIS Interuniversity Champs	Janua	(4°1)	2004	
March	• •	9-10	World Cup 4	Febru	ary
12-14	Canada Cup, TBA	13-14	World Cup 5	11-15	National Championships, TBA
May	Garrada Gup, 1DA	17-18	World Cup 6	July	
28-30	Mel Zajac International, Vancouver		European cities to be chosen from the fol-	7-14	US Olympic Trials, Long Beach, CA
July	mei zajac international, vancouver		Berlin, Moscow, Paris, Stockholm	Decen	nber
7-11	Olympic/Paralympic Trials	30-31	World Cup 7, New York USA	2-4	US Open, San Antonio, TX
/ 11	orympiori ararympio mais	50 51	oria oup /, rion fork out		

February

World Cup 8, Mexico City, MEX

28-31 Club Nationals

### PETRIA THOMAS WINS FOUR

### World Record For Welsh In 50 Back

wo days after the conclusion of the Pan Pacific Championships in Japan, the Australian Short Course Championships were held over four days in Melbourne, leaving just barely enough time to fly home for the Australian team. Superstars Ian Thorpe and Grant Hackett gave the meet a miss but that only allowed some new swimmers a chance at top spot on the podium.

Top highlights were Matt Welsh sweeping the three backstrokes (50-100-200) with the 50 time in a world record of 23.31. The old mark was 23.42 by Neil Walker (USA) from 2000.

He combined with Jim Piper, Geoff Huegill, and Ashley Callus in a successful world record attempt on the third day in the 4x100 men's medley relay. Their time of 3:28.12 bettered the USA's previous time of 3:29.00 from Moscow last April during the Short Course Worlds, when the Aussies finished second

For months there was talk of taking back the record from the Americans. As breaststroker Jim Piper said, "We've been talking about this amongst ourselves after we came second to them at Short Course Worlds last April."

Welsh gave the record a solid start with his lead-off of 50.95 (third fastest of all time). Welsh had been disqualified at the Commonwealth Games in the 200 back and again in the 100 back at Pan Pacs. His great performances in Melbourne made up somewhat for the earlier disappointments.

After the 50 world record, Welsh said, "As soon as the gun went I got a good reaction and a really good start and thought I could feel it (the record) was there."

"The race got better and better. As soon as I saw the time I thought 'Yes!' but then thought I'd better not celebrate too much as I had a habit recently of being disqualified."

(The record was subsequently bettered to 23.23 by Thomas Rupprath (GER) in late November.)

Welsh won the 100 back in 51.27 and the 200 back in

1:51.75, just off his best.

Australia has made it a specialty to better world records in time trials as it is allowed under FINA rules (Swimming Rule SW 12.4 page 129 of 2002-2005 FINA Handbook).

The meet was also the return to competition for Michael Klim after back surgery in February 2002. He won the 100 free in 48.22 and the 200 free in 1:45.71, well off his personal bests.

Klim was pleased with the results. "My back feels good. Training has been perfect and I'm really enjoying racing again."

He did not contest any fly events and when asked about that, Klim replied, "I'll be definitely swimming fly. Being the long course world record holder, there's a bit of a legacy there."

The other great performer at the championships was Petria Thomas with four individual wins (400 free, 50-100-200 fly, and a second in the 200 free). Thomas had a busy long course season with five golds and a silver at Commonwealths, and three golds and two silvers at Pan Pacs.

On the final day, Thomas bettered the Commonwealth record in the 100 fly, winning in 56.93.

Elka Graham won the 100 free in 54.10 and the 200 free in 1:55.93. The 100 was a surprise win as "I don't really consider myself a sprinter," Graham said. The 200 free was a typical effort, leading



Brooke Hanson won three golds

throughout the distance. "I'm so stoked for this one. I wanted to be under 1:56. It's now exactly 24 months until the Olympics, so I'll enjoy my break and go from there and see what happens."

Breaststroker Brooke Hanson had a great meet with three golds and a silver. She battled Leisel Jones in the 100 and 200. Jones touched her out in the shorter race by 3/100ths of a second with the winning time of 1:06.64. In the 200, Hanson had a solid win in 2:24.45 over Jones with 2:25.04. Hanson also won the 100 IM in 1:01.46.

Youngest national team member Alice Mills (born 1986) won the 200 IM in 2:12.49 for her first title, with seconds in the 100 free and 100 IM. She won golds on the Australian 4x100 free relays last summer at Commonwealths and Pan Pacs.

A new face is Stephen Penfold, winning the men's 400 free in 3:43.49 and the 1500 free in 14:41.84, the fourth-fastest Australian all time.

Kurtis MacGillivary (CAN), who has moved to Queensland to train in the same club as Grant Hackett with coach Dennis Cotterell, was fourth in the 400 free in 3:50.07, and fifth in the 1500 free in 15:20.01 (about 20 seconds faster than the winner at the Short Course Canadians in November).

The meet was held over four days, with prelims, semis, and finals for the 50s and 100s, and prelims and finals in the 200s and longer.



in 51.27 and the 200 back in Petria Thomas won 400 free and swept the fly events

#### **2002 AUSTRALIAN SC CHAMPIONSHIPS**

Melbourne, Sep 2-5 (25m)

#### MEN

#### **50 METRES FREESTYLE**

- 21.73 Callus Ashley,79 22.30 Dyson Andrew,82 2
- 3 22.31 Rickard Nathan,79 4 22.53 Walls Richard,77
- 5 22.61 Crook Nathan,79
- 6 22.67 Piper Sean,82
- 22.96 Flouch Casey,82 23.01 McDonald Raymond,83

#### 100 METRES FREESTYLE

- 48.22 Klim Michael,77 49.06 Matkovich Antony,77
- 2 3 49.14 Dyson Andrew,82
- 4 49.22 Flouch Casey,82
- 5 49.46 Mewing Andrew,81 49.54 Clarke Jared 77
- 6 49.78 McDonald Raymond.83

#### 49 83 Williams Nic 83 **200 METRES FREESTYLE**

- 1:45.71 Klim Michael,77
- 1:45.99 Cram Jason,82
- 3 1:46.48 Penfold Stephen,82
- 1:46.86 Matkovich Antony.77
- 1:48.34 Williams Nic.83 5
- 1:48.62 Krogh Joshua,82 6
- 1:48.62 Mewing Andrew,81 8 1:50.13 Flouch Casey,82

#### **400 METRES FREESTYLE**

- 3:43.49 Penfold Stephen,82
- 3:47.50 Krogh Joshua,82
- 3:49.07 Nederpelt Travis,85 3
- 3:50.07 MacGillivary Kurtis,84,CAN
- 5 3:53.01 Santacaterina Josh.80
- 6 3:53.03 Affleck Andrew,83
- 3:53.41 Glucina Matthew,85 3:54.70 Cleland Grant,78 8

#### **800 METRES FREESTYLE**

- 7:58.12 Semmens Ashley,84 7:58.32 Nedernelt Travis.85
- 3 8:00.09 Affleck Andrew,83
- 4 8:00.88 Santacaterina Josh,80
- 5 8:14.96 Mason Ryan,85
- 8:15.63 Cox David, 78, GBR 6
- 8:16.34 Robertson Marcus,77

#### 8:17.22 Minty Ryan,85 8 **1500 METRES FREESTYLE**

- 14:41.84 Penfold Stephen.82
- 2 15:09.17 Cleland Grant,78
- 3 15:12.19 Nederpelt Travis,85
- 4 15:14.83 Semmens Ashley,84 15:20.01 MacGillivary Kurtis,84,CAN
- 5 15:20.45 Affleck Andrew.83 6
- 15:27.88 Santacaterina Josh,80

#### 15:34.98 Rackley Dylan,81 8

#### **50 METRES BACKSTROKE**

- 23.31 Welsh Matt,76 24.77 Anderson Ashley,84
- 3 25.42 Rolff Ethan,82
- 4 25.44 Taylor Joshua,84
- 5 25.60 Watson Josh,77
- 6 25.60 Spicer Matthew,81
- 25.69 De Kretser Rahmin,78 8

#### 25.87 Short Liam, 79 **100 METRES BACKSTROKE**

- 51.27 Welsh Matt,76 2 53.96 Spicer Matthew,81
- 3 54 26 Rolff Fthan 82
- 54 41 Burns Andrew 82 4
- 5 55.18 Pini Ryan,83,PNG
- 6 55.75 Short Liam,79
- 55.76 De Kretser Rahmin,78

#### 57.09 Beaton Adam,83 **200 METRES BACKSTROKE**

- 1:51.75 Welsh Matt.76
- 1:56.01 Rolff Ethan.82
- 3 1:56.32 Burns Andrew,82 1:57.31 Lucas Adam,83

- 1:59.13 Anderson Ashlev.84
- 1:59.20 Bush Mark,83
- 1:59.63 Bacon Mitchell,84
- 2:02.35 Beaton Adam,83

#### **50 METRES BREASTSTROKE**

- 27.75 Rogers Phil.71 2
- 27.78 Piper Jim,81 3 28.12 Crook Nathan,79
- 4 28.14 Rickard Brenton,84 5 28.22 Van Der Zant Robert,75
- 28.23 McBrien Steven,77

#### 28.25 Riley Mark,82 28.33 Beasley James,82

- **100 METRES BREASTSTROKE** 1:00.22 Rogers Phil,71
- 1:00.26 Piper Jim.81
- 3 1:00.61 Beasley James,82 1:00.82 Rickard Brenton,84
- 5 1:01.13 McBrien Steven,77
- 1:01.31 Riley Mark,82 6
- 1:01.45 Harrison Regan.77
- 1:01.96 McDonald Robert,81

#### **200 METRES BREASTSTROKE**

- 2:09.22 Piper Jim,81
- 2:10.49 Rickard Brenton,84
- 2:11.79 Trickett Luke,83
- 2:12.75 Tuckerman Ben.80
- 5 2:16.34 McDonald Robert.81
- 2:16.72 Comerford Rory,85
- 2:16.88 Church Jarrad,81 8

#### 2:16.90 Leighfield Simon,73 **50 METRES BUTTERFLY**

- 23.37 Huegill Geoff,79
- 23.96 Pine Adam,76
- 24.35 Sharp Robert,84
- 24.60 Pini Ryan,83,PNG 5 24.61 Dodd Tim,84

3

2

2

- 6 24.65 Lee Henry,85
- 24.84 Gosper Richard,85 24.93 McIntosh Scott,85

- 100 METRES BUTTERFLY 51.45 Huegill Geoff,79
  - 51.57 Pine Adam,76
- 3 53.12 Cohen Jason,82 4 53.50 Sharp Robert,84
- 5 54.11 Dodd Tim,84
- 6 54.23 Krogh Joshua,82 54.77 Brooks Paul,84

#### 54.89 Fielding Shane,80

- **200 METRES BUTTERFLY** 1:56.77 Krogh Joshua,82 2 1:58.61 Fielding Shane,80
- 1:58.68 Hall Matthew,82
- 1:59.25 Nederpelt Travis,85 1:59.62 Higgins Michael,80
- 2:00.60 Lee Henry.85 6
- 2:02.49 Dowling Grant,83 2:02.76 Maddock Ashley,85 8

#### **100 METRES IND.MEDLEY**

- 54.98 Van Der Zant Robert,75 55.13 Taylor Joshua,84
- 3 56.37 Cohen Jason,82 4 56.45 Short Liam,79
- 5 56.62 Fielding Shane,80
- 6 56.99 Higgins Michael,80 57.20 Bugledich Adam,79

#### 1:03.67 Lee Henry,85

- **200 METRES IND. MEDLEY** 1:59.05 Van Der Zant Robert,75
- 2 2:00.05 Lucas Adam.83 2:01.15 Anderson Ashlev.84
- 2:01.66 Bacon Mitchell,84 2:01.72 Higgins Michael,80 6 2:02.64 Taylor Joshua,84

2:04.00 Henriksen Kim,79,NOR

#### 2:04.62 Short Liam,79

- 400 METRES IND.MEDLEY 4:14.36 Bacon Mitchell.84 2
- 4:15.37 Lucas Adam.83 4:15.55 Steed Trent,77 4:18.03 Higgins Michael,80

- 4:20.13 Richards Andrew.83
- 4:21.38 Nederpelt Travis,85
- 4:23.00 Montgomerie Peter,83

#### 4:27.99 Taylor Nathan,82

- **4X100 M MEDLEY RELAY** 3:36 13 Yeronga Park
- 3:41.53 City of Perth
- 3:41.55 Melbourne Vicentre
- 3:42.50 Redcliffe Leagues 3:44.08 Carey Aquatic
- 3:44.92 Waterworx
- 3:47.06 Norwood

#### 3:47.57 Swan Hills **4X100 M FREE RELAY**

- 3:15.80 Nunawading
- 3:15.84 Yeronga Park 3:22.03 City of Perth
- 3:22.09 Commercial 3:27.82 Haileybury Waterlions
- 3:29.00 Melbourne Vicentre 3:29 05 Norwood

#### **4X200 M FREE RELAY**

- 7:16.39 Yeronga Park
- 7:19.01 City of Perth 7:19.43 West Coast
- 7:29.17 Nunawading
- 7:42.83 MLC Leander
- 6 7:43.86 Tattersalls
- 7:44.25 Aquadot disq Swan Hills

#### WOMEN

- **50 METRES FREESTYLE** 25.20 Engelsman Michelle.79
- 25.22 Guehrer Marieke,85 3 25.28 Chellingworth Nichola,80
- 4 25.64 Creedy Rebecca,83 25.80 Tomlinson Louise,82
- 25.98 Reese Shayne,82 6

#### 25.99 Hunt Cassie,82 26 05 Wilkie Teagan 85

- **100 METRES FREESTYLE**
- 54.10 Graham Elka,81 54.69 Mills Alice,86
- 3 54.98 Reese Shayne,82 55.17 Thomson Kirsten,83
- 4 55.23 Ryan Sarah,77
- 6 55.88 Hunt Cassie,82 56.21 Munz Lori.79

#### 56 49 Mitchell Melissa 87

- **200 METRES FREESTYLE**
- 1:55.93 Graham Elka,81 1:57.00 Thomas Petria,75
- 1:57.36 Thomson Kirsten,83
- 4 2:01.44 Hunter Nicole.83 5 2:01.79 Mitchell Melissa,87

#### 6 2:01.82 Tomlinson Louise.82 2:02.22 Walker Meagan,84

- 2:02.51 Crawford Heidi,82 **400 METRES FREESTYLE**
- 4:07.26 Thomas Petria,75 4:08.74 Pascoe Amanda,85
- 4:12.31 Wilson Belinda.84
- 4:12.80 Hunter Nicole.83

984

1:06.64

2:08.19

- 4:14.47 Murphy Briody,86
- 4:17.57 Smith Tammie,84

#### 4:18.06 Weller Gabrielle,86

- **800 METRES FREESTYLE** 8:23.48 Pascoe Amanda.85
- 2 8:38.18 Wilson Belinda.84
- 3
- 8:41.19 Murphy Briody,86
- 4 8:42.70 Affleck Jessica,86
- 5 8:42.98 Gorman Melissa,85 8:46.94 Walker Meagan,84
- 8:47.87 Smith Tammie,84

#### 8:49.27 Hunter Nicole,83 1500 METRES FREESTYLE

- 16:18.35 Pascoe Amanda.85
- 16:38.56 Wilson Belinda.84
- 3 16:38.80 Ware Catherine,81
- 4 16:47.74 Kallu Sarah,86 16:48.49 Affleck Jessica,86
- 17:03.77 George Katherine,87

#### 17:04 95 Gorman Melissa 85

- **50 METRES BACKSTROKE**
- 28.29 Calub Dyana,75 28.47 Seah Nicole,86
- 3 28.70 Goh Rachel,86 28.76 Cockerton Amy,87
- 29.09 Morgan Melissa,85 29.20 Tucker Kelly,85 6
- 29.59 Scott Angela,86
- 29.75 Zimmer Tayliah.85 **100 METRES BACKSTROKE**
- 1:00.34 Calub Dyana,75
- 1:00.45 Tucker Kelly,85 3 1:00.90 Seah Nicole,86
- 1:00.95 Leane Karina.85
- 5 1:01.09 Goh Rachel.86 1:01.43 Morgan Melissa,85 6

#### 1:01.81 Adcock Frances,84 1:02.23 Zimmer Tayliah,85

- **200 METRES BACKSTROKE**
- 2:08.19 Tucker Kelly,85 2:08.70 Morgan Melissa,85
- 3 2:09.56 Leane Karina,85
- 2:12.45 Leane Tamara,83 2:13.70 Zimmer Tayliah.85
- 2:13.76 Paton Sarah-L,86

#### 2:15.24 Goh Rachel,86

- 2:17.18 Stubbins Kelly,84 **50 METRES BREASTSTROKE**
- 30.93 Hanson Brooke 78
- 31 38 Edminstone Jade 82 2 3 31.65 White Tarnee,81
- 4 31.72 Kasoulis Sarah,84 31.73 Jones Leisel,85

#### 32.57 Foster Sally,85

- 32.88 Collins Lauren.86
- 33.23 Tomlinson Louise,82 100 METRES BREASTSTROKE
- 1:06.64 Jones Leisel,85
- 1:06.67 Hanson Brooke,78 3 1:07.40 White Tarnee,81

#### 1:07.51 Kasoulis Sarah,84 1:09.83 Edminstone Jade,82 1:09.93 Regan Katie,81

- 1:10.74 Rychvalsky Rebekah,82 1:10.99 Collins Lauren,86
- 2:24.45 Hanson Brooke,78

#### **200 METRES BREASTSTROKE**

#### 2:25.04 Jones Leisel,85 2:27.09 Waite Kelli,85

Leisel Jones

Kelly Tucker

#### 3 2.28 04 Kasoulis Sarah 84 4:12.87 Walker Meagan,84

1)	1035	23.31	50 back M	Matt Welsh
2)	1018	56.93	100 fly W	Petria Thomas
3)	996	1:55.93	200 free W	Elka Graham
4)	994	51.45	100 fly M	Geoff Huegill
5)	993	30.93	50 breast W	Brooke Hanson
6)	990	51.57	100 fly M	Adam Pine
7)	986	14:41.84	1500 free M	Stephen Penfold
8)	985	8:23.48	800 free W	Amanda Pascoe

100 breast W

200 back W

**RATING SUMMARY OF TOP PERFORMANCES** 

- 2:29.89 Regan Katie,81
- 2:31.77 Munz Lori,79
- 2:31.88 Rychvalsky Rebekah,82
- 2:32.61 Swanson Lara,87 8

#### **50 METRES BUTTERFLY**

- 26.48 Thomas Petria, 75
- 26.73 Irving Nicole,82
- 3 26.97 Webb Jordana,83

4

- 27.20 Galvez Felicity,85
- 5 27.20 Chellingworth Nichola,80
- 27.37 Houghton Melanie,86 6
- 27.49 Guehrer Marieke,85 27.55 Corkran Kate.83

#### 8 100 METRES BUTTERFLY

- 56.93 Thomas Petria.75
- 59.17 Galvez Felicity,85
- 1:00.00 Davenport Lara,83
- 1:00.11 Coffee Rachel,83 1:00.17 Webb Jordana,83
- 6 1:00 35 Corkran Kate 83 1:00.61 Crawford Heidi,82

#### 1:00.66 Houghton Melanie,86 8

- **200 METRES BUTTERFLY** 2:06.90 Thomas Petria,75
- 2:08.07 Galvez Felicity,85
- 2:09.09 Davenport Lara,83
- 2:10.85 Crossingham Charnelle,84 2:11.65 Crawford Heidi,82
- 6 2.12 78 Corkran Kate 83 2:12.84 Hunter Nicole,83
- 2:13.13 Schipper Jessica,87
- **100 METRES IND.MEDLEY** 1:01.46 Hanson Brooke,78
- 1:01.66 Mills Alice.86 1:02.01 Reese Shayne,82
- 1:03.10 Munz Lori,79 1:03.39 Tomlinson Louise,82 5

#### 1:03.67 Kasoulis Sarah,84 1:03.82 Van Lint Jacinta,79

- 1:04.05 Abbott Jessica,85 200 METRES IND. MEDLEY
- 2:12.49 Mills Alice,86 2:13.63 Abbott Jessica,85
- 2:14.38 Reilly Jennifer,83 2:16.10 Munz Lori,79
- 2:17.25 Carroll Lara,86
- 2:18.76 Rodier Yvette,81 2:18.95 Sproal Penny,88
- 2:20.75 White Amanda.84 **400 METRES IND. MEDLEY**
- 4:38.72 Reilly Jennifer,83 2 4:42.97 Abbott Jessica,85
- 4:44.27 Leane Tamara,83 4:44.33 Crossingham Charnelle,84

#### 5 4:45.94 Carroll Lara,86 4:48.16 Rodier Yvette,81 6

- 4:48.21 Munz Lori.79
- 4:54.66 Bates Lisa.87 **4X100 M MEDLEY RELAY**
- 4:04.13 Redcliffe Leagues 4:05.08 Carey Aquatic
- 4:11.44 Chandler 4:15.55 Redcliffe Leagues B 4:17.86 River City
- 6 4:21.73 Carey Aquatic B 4:23.36 Tattersalls

3

5

3

6

3

- 8 4:25.29 Melbourne Vicentre **4X100 M FREE RELAY**
- 3:39.71 Chandler 3:43.85 Carey Aquatic 2

#### 3:48.70 Chandler B 3:50.69 Melbourne Vicentre 5 3:53.00 River City 3:53.49 Swan Hills

- 3:54.18 Nunawading 3:56.18 Redcliffe Leagues **4X200 M FREE RELAY** 8:01.32 Chandler
- 8:08.39 Carey Aquatic 8:16.21 Chandler B 8:22.94 Redcliffe Leagues
- 8:28.26 Aquadot 6 8:28.45 Swan Hills
- 8:30.67 West Coast 8 8:32.90 Burnside
- SWIMNEWS / JANUARY-FEBRUARY 2003

10) 983

# **DAVIES AND SHEPPARD READY**

### **Sweetenham Decries General Mediocrity**

The British Short Course Championships in Cambridge were scheduled five weeks after the end of the Commonwealth Games in Manchester.

Bill Sweetenham, the national coaching supremo, called the results "abysmal" and blamed "complacency" for the results.

The scheduling of the competition five weeks after Commonwealths was deliberate to provide a test run for 2004, when the Olympics in August will be followed five weeks later by the Short Course Worlds in October.

Alison Sheppard was the top performer with her win in the 50 free in 24.53 (986 points). She also won the 100 free in 54.38 and the 100 IM in 1:01.86.

Sarah Price won all three backstrokes, in 28.69, 1:00.15, and 2:07.59, earning her the best senior swimmer award for her 200 back, with the best junior swimmer award going to Stephanie Proud, who finished second with 2:10.88 in the same event.

Most wins were by Stephen Parry, who swept the backstrokes in 25.39, 53.15, and 1:54.49, and also the 200 and 400 IMs in 1:59.50 and 4:13.09. Better known as a flyer, Parry was second in the 200 fly with 1:57.36, obviously tired from a backstroke semi-final just seven minutes before.

James Hickman swept the fly events with 24.18, 51.74, and 1:53.91 (983 points), and won the top male award for his 200 fly swim.

David Davies, 17 years old, was top newcomer, winning the 1500 free in 14:54.60 and placing second in the 400 free in 3:48.44. Turning in 7:56.93 at the 800, he was well into the lead. After the race, Davies



Top performer Alison Sheppard

said "I wanted to go under 15 minutes and it felt good, so I just went for it. I just keep working hard, enjoying what I'm doing and it's paying off." The battle was for second between Adam Faulkner (15:06.87) and Graeme Smith (15:06.97). Davies finished sixth in Manchester last August.

The performance by Davies received the Besford trophy from the swimming writers, as well as a cheque (£250) in memory of Joyce Cooper, the 1932

Olympian.

At the sprint end, the men's 100 free was mediocre. British record holder Matthew Kidd was over four seconds off his best and failed to reach the finals. Matthew Bowe, 19, won the final in 50.15

Following on the Commonwealth success of 38 medals (11-10-17) for the combined teams from England, Scotland, and Wales, head coach Sweetenham congratulated everyone involved in that competition but decried the results in Cambridge. "Olympic medals will not be won in 2004 but over the next eight to nine months," Sweetenham explained. "As of now we have medal prospects in six events, five of them women's. Only those ranked in the top six in the world at the end of 2003 will have a medal chance."

Sweetenham said Cambridge was a "massive

disappointment," that with a handful of exceptions, coaches and swimmers had not used the event as a test run for 2004. People have laid down and had a rest between Manchester and here. "Athletes and coaches think I'm hard and push too much and expect improvements too fast. I think I'm going at a snail's pace. I'm not going to applaud mediocrity. I've done that for the last two years. I've shown the sweeter side of my nature in trying to make people move on. Now I have to cut those days and it's only those who are serious that I will support.

"We can't beat America on numbers or facilities or money. We can't beat Australia on money and facilities. The only way we can beat them is with the best coaches, more forward-looking and determined swimmers, and a superior system.

"We have moved forward tremendously-we are moving faster than any other country but it's not good enough if we want these results to happen quickly. We have to move on faster and I need a group of people who are going to do that. We have as

good a management team as any in the world. We have the competition program in balance with the training. But I'm frustrated because I don't think we are moving quickly enough."

Sweetenham said every country's weakness was their winter training. "If we only swim as fast at our trials in 2003 as we did in the Commonwealth Games, we are in huge trouble. We have to swim one percent faster."

Sweetenham said that if Britain failed to win Olympic medals in Athens, his backside would be kicked. But he added "We will win medals in 2004. It's going to take an almighty effort but it's going to happen."

He described the British age group program as a "massive flop." Sweetenham plans to send four to six junior boys to live, train, and go to school on Australia's Gold Coast. Two senior male swimmers would be invited to act as house parents and group leaders. "We want to provide a healthier lifestyle, high competitive challenge, and academic opportunities."

Contributors: Anita Lonsbrough, Nick Thierry, Roger Guttridge (Swimming, ASA magazine)



**Emerging distance star David Davies** 

#### **BRITISH SC CHAMPIONSHIPS**

Cambridge, Sep 12-15, (25 M)

#### MEN

#### **50 METRES FREESTYLE**

- 1 22.36 Foster Mark,70
- 2 22.96 Morgan Owen,84
- 3 23.07 Scotcher Alex.80
- 4 23.40 Burnett Simon.82
- 5 23.42 Bowe Matthew,83
- 6 23.57 Chappels Seth,82
- 7 23.73 Kidd Matthew.79 8 23.85 Cook Gavyn,80

#### **100 METRES FREESTYLE**

- 50.15 Bowe Matthew,83
- 2 50.29 Scotcher Alex,80
- 3 50.89 Davenport Ross,84
- 4 51.00 Manley Andrew.77
- 5 51.03 Burnett Simon,82
- 6 51.06 Leith David,79
- 7 51.18 Chappels Seth,82
- 8 51.63 Salt Richard,83

#### **200 METRES FREESTYLE**

- 1 1:48.01 Salter James.76
- 2 1:48.50 Meadows Gavin,77
- 3 1:48.50 Burnett Simon.82
- 4 1:49.25 Scotcher Alex,80
- 5 1:50.99 Carry David,81
- 6 1:51.03 O'Brien David,82
- 7 1:51.85 Smith Graeme,76
- 8 1:54.34 Leith David,79

#### **400 METRES FREESTYLE**

- 1 3:46 14 Faulkner Adam 81
- 2 3:48.44 Davies David,85
- 3 3:51.08 Salter James,76
- 4 3:51.38 Smith Graeme,76
- 5 3:51.49 Meadows Gavin,77
- 6 3:52.02 O'Brien David,82
- 7 3:56.51 Webster Paul,84
- 8 4:02.84 Whitcombe Chris,83

#### **1500 METRES FREESTYLE**

- 1 14:54.60 Davies David.85
- 2 15:06.87 Faulkner Adam,81
- 3 15:06.96 Smith Graeme,76
- 4 15:19.78 Cole Michael,78
- 5 15:35.54 Alderton Chris,87
- 6 15:45.51 Bircher Alan,82
- 7 15:48.75 Herbert Thomas,85 8 15:53 88 Grosvenor Carl 85

#### **50 METRES BACKSTROKE**

- 25.39 Parry Stephen,77
- 2 25.45 Clay Matthew,82
- 3 25.53 Tait Gregor,80 4
- 26.13 Bowe Matthew,83 5 26.37 Tancock Liam,85
- 6 26.41 Barter Kevin,79
- 7 26.73 Burnett Simon.82
- 8 27.01 Thwaites lan,80

#### **100 METRES BACKSTROKE**

- 53.15 Parry Stephen,77
- 2 53.82 Tait Gregor,80
- 3 55.31 Cooper Todd,83 4 55.37 Goddard James,83
- 5 55.40 Barter Kevin,79
- 6 56.60 Morgan Owen,84
- 57.65 Oxford Nathan.83

59.68 Burnett Simon.82

#### **200 METRES BACKSTROKE**

- 1 1:54.49 Parry Stephen,77
- 2 1:55.57 Tait Gregor,80
- 3 1:57.80 Goddard James,83
- 4 1:59.17 Barter Kevin,79
- 5 2:00.83 Oxford Nathan,83
- 6 2:00.86 Militis Simon,77
- 2:03.12 Powell lan.85
- 2:06.57 Cowie Christian,79

#### **50 METRES BREASTSTROKE**

- 27.77 Mew Darren.79
- 2 27.96 Gibson James, 79
- 3 28.48 Wolfarth Mark,82
- 28.68 Cook Chris,79
- 5 29.01 Tidey Chris,83
- 6 29.54 Lee Robert,83
- 29.59 Blythin Simon.82

#### 29.79 Haynes Greg,80 **100 METRES BREASTSTROKE**

- 1 1:00.26 Mew Darren,79
- 2 1:00.80 Whitehead Adam,79
- 3 1:00.91 Edmond lan,78
- 4 1:00.97 Cook Chris.79
- 5 1:01.81 Gibson James, 79
- 1:03.19 Wolfarth Mark.82
- 1:03.68 Bartlett David,83
- 1:04.23 Scott Michael,80,HKG

#### 200 METRES BREASTSTROKE

- 1 2:12.07 Turner Adrian,76
- 2 2:12.19 Edmond lan,78
- 3 2:14.35 Mew Darren,79
- 4 2:15.55 Bartlett David,83
- 5 2:16.98 Wigg Darren,80
- 6 2:19.80 Branch Mark.87
- 7 2:23.42 Bouchere Damien,82

#### **50 METRES BUTTERFLY**

- 24.18 Hickman James, 76 2
- 24.79 Cooper Todd,83 25.30 Chappels Seth,82 3
- 4 25.35 Bowe Matthew.83
- 5 25.68 Graves Mark.83
- 6 26.08 Houston Craig,85
- 26.08 Beresford Jason,83
- 8 26.40 Graves James,85

#### **100 METRES BUTTERFLY**

- 51.74 Hickman James, 76 54.47 Cooper Todd,83
- 55.02 Graves Mark,83
- 55.20 Bennett David.81
- 56.44 Lewis Mark,83
- 56.46 Jones Chris,78
- 7 56.56 Beresford Jason,83

#### 56.70 Tancock Ryan,83

#### **200 METRES BUTTERFLY**

- 1 1:53.91 Hickman James,76 1:57.36 Parry Stephen,77
- 2:00.27 Lewis Mark,83
- 2:01.99 Jones Chris.78
- 2:02.19 Wigg Darren,80
- 2:02.47 Edwards Matthew,86
- 2:02.81 Graves Mark,83 8 2:06.04 Webster Paul,84
- **100 METRES IND. MEDLEY** 56.52 Turner Adrian.76
- 56.92 Edmond lan.78

- 57.10 Leith David.79
- 57.19 Bowe Matthew.83
- 58.44 Lee Robert,83
- 58.55 Blythin Simon,82
- 58.70 Salt Richard,83 58.75 Thirlwell Andrew,86

#### **200 METRES IND. MEDLEY**

- 1:59.50 Parry Stephen,77 1:59.52 Turner Adrian,76
- 2:01.20 Tait Gregor,80
- 2:01.69 Leith David,79
- 2:01.84 Cole Michael,78
- 2:03.55 Scotcher Alex,80 2:04.28 Carry David,81

#### 8 2:04.85 Wigg Darren,80 **400 METRES IND. MEDLEY**

- 1 4:13.09 Parry Stephen,77
- 2 4:15.92 Tait Gregor.80
- 4:17.37 Wigg Darren,80
- 4:17.80 Goddard James,83 5 4:18.07 Cole Michael,78
- 4:18.42 Davies David,80
- 4:23.83 Carry David,81
- 8 4:25.35 Thompson Christophe,83

#### WOMEN

### **50 METRES FREESTYLE**

- 24.53 Sheppard Alison,72
- 25.36 Brett Rosalind,78
- 3 26.05 McNeilly Samantha,79
- 4 26.38 Cray Zoe,73
- 5 26.70 Douglas Julie,80,IRL 26.72 Beckett Julia,87

#### 26.94 Morahan Rosie,88 26.98 Ramm Aimee,82

- **100 METRES FREESTYLE**
- 54.38 Sheppard Alison,72
- 2 54.93 Pickering Karen,71
- 3 55.06 Legg Karen,78
- 4 55.28 Brett Rosalind.78 5 56.78 Belton Janine.79
- 6 56.85 Windeatt Claire,85
- 56.97 Cook Victoria,85

#### 57.31 McNeilly Samantha,79

- **200 METRES FREESTYLE** 1:57.56 Pickering Karen,71
- 1:58.39 Marshall Melanie,82 2:00.17 Legg Karen,78
- 2:01.78 Belton Janine.79
- 2:02.05 Nisbet Karen,81
- 2:02.07 Windeatt Claire,85

- 7 2:02.19 Cooke Rebecca.83

### RATING SUMMARY OF TOP PERFORMANCES

- 986 24.53 50 free W 1) 2) 983 1:53.91 200 fly M 975 2:07.59 200 back W
- 3) 4) 972 1:54.49 200 back M 970 5) 1:57.56 969 6)

7)

8)

9)

10) 956

8:27.66 962 14:54.60 960 1:58.39 958 1:55.57

1:00.26

800 free W 1500 free M 200 free W 200 back M

4

5

6

7

8

- 200 free W Pickering Karen 71,GBR Cooke Rebecca 83,GBR Davies David 80,GBR Marshall Melanie 82.GBR
- Tait Gregor 80,GBR 100 breast M Mew Darren 79,GBR

2 1:10.27 Balfour Kirsty,84

8 2:03.44 Cook Victoria.85

**400 METRES FREESTYLE** 

2 4:14.76 Nisbet Karen,81

1 4:08.58 Cooke Rebecca,83

3 4:16.15 Payne Keri Anne,87

4 4:18.42 Shaw Rebecca,85

5 4:18.49 Chase Laura.87

6 4:22.09 Wicks Emma,88

7 4:22.70 Wyld Katherine,86

8 4:25.66 Prince Natalie,86

**800 METRES FREESTYLE** 

1 8:27.66 Cooke Rebecca,83

2 8:40.49 Payne Keri Anne,87

3 8:49.18 Shaw Rebecca.85

4 8:52.92 Chase Laura,87

5 8:57.97 Wicks Emma,88

6 8:58.09 James Sarah,86

7 9:12.13 Brown Elizabeth,88

**50 METRES BACKSTROKE** 

29.28 Cray Zoe,73

30.14 Beckett Julia,87

30.15 Lee Karen,82

2

3

4

5

6

7

28.69 Price Sarah,79

29.01 Marshall Melanie,82

30.38 Spofforth Gemma,87

30.48 Beechey Laura,85

30.67 Walsh Siobhan,85

**100 METRES BACKSTROKE** 

2 1:00.73 Marshall Melanie,82

3 1:02.46 Proud Stephanie.88

4 1:02.71 Dallas Charlotte,83

1 1:00.15 Price Sarah,79

5 1:02.82 Sexton Katy,82

7 1:03.84 Beechey Laura,85

8 1:04.16 Walsh Siobhan,85

**200 METRES BACKSTROKE** 

2 2:10.88 Proud Stephanie,88

1 2:07.59 Price Sarah.79

3 2:12.71 Lee Karen,82

4 2:12.96 Sexton Katy,82

5 2:14.53 Beechey Laura,85

7 2:15.45 Boyall Kayleigh,86

8 2:17.90 Walsh Siobhan,85

**50 METRES BREASTSTROKE** 

32.37 Genner Rachel.82

32.75 Haywood Kate,87

33.32 Balfour Kirsty,84

32.88 Maxwell Charlotte,84

33.32 Greenshields Lauren,84

33.81 Callaghan Grace,89

34.15 Konowalik Amy,86

34.45 Kiff Michelle.83

1 1:10.23 Haywood Kate,87

**100 METRES BREASTSTROKE** 

Sheppard Alison 72,GBR

Hickman James 76,GBR

Parry Stephen 77,GBR

Price Sarah 79,GBR

6 2:14.84 Don-Duncan Helen,81

6 1:03.36 Lee Karen,82

- 3 1:11.69 Greenshields Lauren,84
- 4 1:11.94 Konowalik Amy,86
- 5 1:12.43 Maxwell Charlotte,84
- 6 1:12.83 Callaghan Grace,89
- 1:13.17 Mullins Joanne,84 1:13.52 Martin Katie.82

#### **200 METRES BREASTSTROKE**

- 1 2:28.38 Balfour Kirsty,84 2 2:28.67 Greenshields Lauren,84
- 3 2:30.29 Konowalik Amy,86
- 4 2:33.59 Haywood Kate,87
- 5 2:33.61 King Jaime,76
- 6 2:35.48 Wood Laura,83
- 2:36.77 Kiff Michelle,83 8 2:37.09 Place Danielle.86

#### **50 METRES BUTTERFLY**

- 27.56 Brett Rosalind,78
- 28.15 Howells Gemma,84
- 3 28.29 Hancocks Karla,80
- 4 28.35 Winter Chloe,87
- 5 28.42 Ramm Aimee.82
- 28.87 Douglas Julie,80,IRL 28.94 Dunning Terri,85

#### **100 METRES BUTTERFLY**

- 1 1:00.30 Brett Rosalind,78
- 2 1:01.73 Howells Gemma,84
- 1:02.53 Savage Alexandra,85
- 1:03.46 Winter Chloe,87

#### 7 1:03.52 Pyne Sarah,80

- 1 2:14.47 Dunning Terri,85
- 4 2:18.15 Chase Laura,87
- 6 2:19.98 Edgar Siobhan,83
- **100 METRES IND. MEDLEY** 1 1:01.86 Sheppard Alison,72
- 4 1:04.60 Windeatt Claire.85
- 5 1:05.40 Morahan Rosie,88 6 1:05.65 Ridley Heidi,86

#### 8 1:05.72 Sexton Katy,82

- 1 2:16.03 Savage Alexandra,85
- 2:18.19 Windeatt Claire,85

#### 6 2:18.63 Mullins Joanne,84 7 2:20.84 Gretton Stephanie,83

- 400 METRES IND.MEDLEY
- 1 4:45.04 Cooke Rebecca,83 2 4:46.54 Evanson Thea,79
- 3 4:50.26 Heyes Sarah,83
  - 4:50.36 Cox Louise,88 4:50.37 Preston Julie.86
  - 4:50.80 Shaw Rebecca,85 4:53.04 Chase Laura,87

- 6 28.87 White Alexa,79
- 3 1:01.85 Pickering Karen,71
- 4 1:01.97 Dunning Terri,85

#### 8 1:04.00 Thompson Rachel,84

- **200 METRES BUTTERFLY**
- 2 2:15.29 Pyne Sarah,80
- 3 2:15.70 Thompson Rachel,84
- 5 2:18.39 Howells Gemma,84

#### 2:20.88 Stevens Lucv.82

- 8 2:22.16 Kneller Jessica,83
- 2 1:04.12 Savage Alexandra,85 3 1:04.42 Howells Gemma.84

#### 7 1:05.66 Mullins Joanne,84

- **200 METRES IND. MEDLEY**
- 2:17.27 Evans Kathryn,81
- 2:18.20 Evanson Thea,79 5 2:18.24 Heyes Sarah,83

### 8 2:20.98 Howells Gemma.84

5

8 4:56.95 Gretton Stephanie,83

### **BUTTON BETTERS FLY RECORD**

### **Seven Golds For Limpert**

Championships were held, in Halifax in February 1997, Edmonton was the site of the most recent short course nationals held November 28 to December 1, 2002. They were held early in the season. For most swimmers, it was their first major competition and as a result, performances were mixed.

It gave some youngsters a shot at the podium, like Brittany Reimer, 14, Surrey Knights, winner of the 800 free in 8:38.35 and the 1500 free in 16:28.26, and second in the 400 free. All three swims were 13-14 Age Group records that bettered 16-year-old times.

"I'm happy to get my first national titles out of the way this early in my career," Reimer said.

Veterans like Marianne Limpert were outstanding. She had five individual wins and two relay wins for a seven-gold-medal performance. Limpert, at age 30,

showed few signs of wear after a decade on the national team. "It was obvious I was on," Limpert said. "I won the 50 free and the 200 IM, which are two completely different races, back-to-back. Training has gone much better this year and there's been less distraction, such as school and moving." She moved back to Montreal and coach Claude St-Jean.

Rick Say, 23, University of Calgary, swept the middle distance freestyles, winning the 200 free in 1:45.83 and the 400 free in 3:46.46. He also went after the 12-year-old 800 free record of

7:47.07, but fell off the pace around 600 metres to finish first in 7:53.71.

"I came into this meet not totally prepared and I'm just trying to get as much out of it as I possibly can. It would have been nice to begin the winter season with a record," Say explained.

The top performance was by Brian Johns, UBC Dolphins, in the 200 IM with his 1:57.72 (976 points), just off his national record. He also won the 400 IM in 4:15.29 and the 200 fly in 1:58.47.

Canadian breaststroke record holder Morgan Knabe (UCSC) was entered but was pulled out at the last moment, and last summer's breaststroke find, Michael Brown, who is in his first year at the University of Minnesota, was absent. This allowed Chad Thomsen, 19, University of Alberta Swim Centre, to sweep the breaststrokes. He did a 28.39 in the 50, 1:01.96 in the 100, and 2:13.60 in the 200 breaststroke. "To win all three events is quite a big deal," Thomsen said. "To do it at home is even more so. The crowd support was fantastic."

Lauren van Oosten (UCSC) had a lot to be pleased with. She won the 100 breast in 1:08.81 and the 200 in her best-ever time of 2:26.21. A World Championships medal winner, van Oosten missed the Olympic and World teams in 2000-2001, but spending three months in Waterloo last summer helped. "The change of venue last summer was great," van Oosten said. "I learned a lot about myself and about training, It was a huge step and now I am having a good time swimming again."



100 fly record for Jennifer Button (ROW)

The lone individual Canadian record was by Jennifer Button, 25, Region of Waterloo, in the 100 fly with 58.93. She also won the 200 fly in 2:09.07 and tied for first in the 50 fly with Nadine Rolland in 27.52.

Button was key to ROW's two winning medley relays: 1:53.34 in the 4x50 and 4:05.06 in the 4x100, both bettering club relay records.

"Waterloo is a small town," Button said. "To beat big clubs from Montreal, Vancouver, and Calgary was something we were shooting for the last couple of years. Our top swimmers (Jennifer Fratesi, Lisa Blackburn,



Sean Sepulis (GMAC) won 100 back

Marco Chiesa

and Laura Nicholls) were doing their best strokes and we were confident we could win."

Nicholls tied for first in the 200 free with 1:59.61, and was second in the 50 free and third in the 100 free. Fratesi won the 200 back in 2:08.45 and Lisa

Blackburn, at age 31, was second in the 100 and 200 breaststrokes.

Yannick Lupien, 22, CNC Beauport, won the 50 free in 22.52 and was third in the 100 free. In the 4x100 free record attempt time trial, he led off in 48.42 for a new national record.

Comparing this meet with the one in 1997, there has been some progress, especially in the women's winning times, which were faster in all but three events. Six men's winning times in 1997 were faster than in 2002.

Final record tally: One individual, four club relay, and two national relay selection successful

record attempts: the men's 4x100 free in 3:14.14 (48.42 Yannick Lupien, 48.32 Brent Hayden, 48.87 Rick Say, 48.53 Mike Mintenko), bettering the 3:14.90 from 1999, and the women's 4x100 medley in 4:02.99 (1: 00.30 Jennifer Carroll, 1:08.35 Lauren van Oosten, 58.78 Jennifer Button, 55.56 Marianne Limpert), bettering the old time of 4:03.89 from 1995.

Top team was UBC Dolphins with 1343.50 points, with University of Calgary second with 1243, Montreal CAMO third with 1143, and Region of Waterloo fourth with 753 points.

#### **CANADIAN SC CHAMPIONSHIPS**

Edmonton, Nov 29-Dec 1 (25M)

#### MFN

#### **50 METRES FREESTYLE**

22.53 Yannick Lupien, 22, CNCB 22.74 Brent Hayden, 19, UBCD 2) 3) 22.84 Craig Hutchison, 27, TO

4) 22.98 Riley Janes, 22, NRST 5) 23.06 Paul Wilkins, 21, SFA

6) 23.07 Daniel Monid.19.UNB 23.16 Mark Shivers, 21, ROW 7) 23.43 Richard Hortness, 17, AMAC

#### **100 METRES FREESTYLE**

48.82 Brent Hayden,19,UBCD 48.85 Michael Mintenko,27,UBCD

3) 48.90 Yannick Lupien, 22, CNCB 4) 49.34 Rick Say,23,UCSC 5) 50.02 Craig Hutchison, 27, TO

6) 50.51 Richard Hortness.17.AMAC 7) 50.62 Justin Tisdall,21,UBCD 50.97 Daniel Monid.20.UNB

#### 200 METRES FREESTYLE

3)

4)

3)

4)

6)

1:45.83 Rick Say,23,UCSC 1:46.73 Brent Hayden, 19, UBCD 2)

1:48.15 Mark Johnston, 23, UBCD 1:49.91 Justin Tisdall,21,UBCD

1:50.18 Colin Russell, 18, BTSC 5) 6) 1:51.84 Brian Edey,23,UASC

7) 1:52.00 Olivier Leroy,22,HAC 1:54.43 Chad Hankewich,21,GOLD

#### 400 METRES FREESTYLE

3:46.46 Rick Say,23,UCSC 3:53.36 Colin Russell,18,BTSC 2)

3:54.78 Richard Cormack,20,UCSC 3:56.78 Brian Edey,23,UASC

3:56.99 David Creel,21,PCS 5) 6) 3:58.52 Jarrod Ballem, 23, UCSC 3:59.13 Devin Phillips, 17, UASC 4:07.90 Justin Tisdall,21,UBCD

#### **800 METRES FREESTYLE**

7:53.71 Rick Say,23,UCSC 2)

8:07.20 David Creel,21,PCS 8:07.97 Jarrod Ballem,23,UCSC 3) 4) 8:14.58 Richard Cormack,20,UCSC

8:19.45 Cameron Hyder, 20, UCSC 8:20.23 Tim Cowan, 25, UCSC

8:22.73 Michael Derban, 18, UCSC 8:23.39 Malcolm Lavoie,16,UASC

#### 1500 METRES FREESTYLE

15:41.19 Richard Cormack, 20, UCSC 15:44.50 Jarrod Ballem,23,UCSC 2)

3) 15:46.85 David Creel.21.PCS 4) 15:57.27 Tim Cowan, 25, UCSC

16:00.74 Michael Derban, 18, UCSC 16:08.06 Malcolm Lavoie,16,UASC 16:12.08 Don Nicholson, 18, SFA

#### 16:16.55 Joey Kehoe,18,TO **50 METRES BACKSTROKE**

25.10 Riley Janes,22,NRST 25.34 Sean Sepulis, 25, GMAC 2)

25.62 Alexandre Pichette, 25, CAMO 3) 25.92 Benoit Banville-Auger, 19, MEGO 4)

5) 25.93 Jean-F. Langlais, 23, UL 6) 26.12 Callum Ng, 17, CASC 7)

26.22 Remi Lachapelle,22,CAMO 26.72 Ryan Atkison, 17, LAC

#### 100 METRES BACKSTROKE

54.38 Sean Sepulis, 25, GMAC 54.77 Riley Janes, 22, NRST 2) 55.43 Benoit Banville-Auger, 19, MEGO 3) 5) 56.51 Stephen Preston, 21.UL

6) 56.59 Callum Ng,17,CASC 56.98 Remi Lachapelle,22,CAMO

57.28 Christian Lachapelle, 21, CAMO

#### 200 METRES BACKSTROKE

1:55.63 Keith Beavers, 19, ROW 2) 2:00.54 Sean Sepulis, 25, GMAC 3) 2:01.11 Michael Power,22,UCSC

2:01.35 Desmond Strelzow.17.UBCD 4) 2:02.50 Benoit Banville-Auger 19.MEGO 5) 2:02.60 Stephen Preston,21,UL

2:04.79 Devin Phillips, 17, UASC

#### 2:05.53 Bryan McMillan, 20, GMAC **50 METRES BREASTSTROKE**

28.39 Chad Thomsen, 19, UASC 28.59 Trevor Brekke, 25, SFA 28.97 Nathan Parker, 18.ROD 3) 28.99 Jason Hunter, 22, SFA 4) 5) 29.08 Gerard Hunter.21.UOFL 29.11 David McKechnie.16.BTSC 6) 29.31 Colin Russell, 18, BTSC

#### 29.52 Chad Thiessen, 17, SPART 100 METRES BREASTSTROKE

1:01.96 Chad Thomsen, 19, UASC 1:02.12 Trevor Brekke,25,SFA 1:02.22 Matthew Huang, 18, UBCD 4) 1:02.85 Gerard Hunter, 21, UOFL 1:03.21 David McKechnie.16.BTSC 5) 1:03.27 Warren Barnes.17.SCAR 6) 1:03.50 Michel Boulianne,24,CAMO 1:03 67 Nathan Parker 18 ROD

#### 200

METRES BREASTSTROKE 2:13.60 Chad Thomsen, 19, UASC 2:14.07 Brian Johns, 20, UBCD 2:14.71 Michel Boulianne,24,CAMO 2:15.90 Jason Hunter, 22, SFA

5) 2:16.21 Nathan Parker, 18, ROD 2:18.36 Warren Barnes.17.SCAR

6) 2:19.22 Matthew Huang, 18, UBCD 2:19.28 Marco Monaco, 16, OAK-TO

#### 50 I IETRES BUTTERFLY

6)

6)

24.00 Michael Mintenko,27,UBCD 24.64 Thomas Kindler, 22, CAMO 24.73 Chad Hankewich, 21, GOLD 24.77 Jean-F. Langlais, 23, UL 24.84 Yannick Lupien, 22, CNCB 24.87 Sandy Henderson, 23.SFA 25.14 Mark Shivers, 21, ROW 25.29 Chris Razeau.22.MM

**100 METRES BUTTERFLY** 52.85 Michael Mintenko, 27, UBCD

54.44 Josh Ballem, 25, UCSA 54.84 Jesse Jacks, 20, PCS 54.86 Jean-F. Langlais, 23, UL 54.96 Sandy Henderson, 23, SFA

55.16 Chad Hankewich, 21, GOLD 55.60 Marc-O. Lepage, 20, SAMAK 55.67 Sebastien Poulin.23.CAMO

#### **200 METRES BUTTERFLY** 1:58.47 Brian Johns, 20, UBCD

1:59.42 Chad Murray,21,UCSC 2:00.44 Philip Weiss,23,PCS 2:01.08 Jesse Jacks, 20, PCS 2:02.11 Sebastien Poulin,23,CAMO

6) 2:02.34 Jonathan Schjott,21,UCSC 2:02.46 Jan Pelechytik, 22, ROD

#### 2:03.85 Klaus Hartel, 23, SFA 200 METRES IND. MEDLEY

1:57.72 Brian Johns, 20, UBCD 2:01.56 Chad Murray,21,UCSC 2:02.53 Francois Castonguay,20,CAMO

2:04.61 Philip Weiss,23,PCS 2:04.68 Chad Thomsen, 19, UASC

2:04.78 Callum Ng,17,CASC 2:05.21 Cameron Hyder, 20, UCSC 2:05.46 Gerard Hunter, 21, UOFL

#### 400 METRES IND. MEDLEY

4:15.29 Brian Johns, 20, UBCD 4:20.75 Chad Murray,21,UCSC 4:23.00 Cameron Hyder, 20, UCSC

4:24.84 Francois Castonguay,20,CAMO 4:25.54 Conrad Aach, 17, ESWIM 4:27.53 Callum Ng,17,CASC 4:30.34 Elliot MacDonald, 20, MANTA

#### 4:31.23 Chris Nelson,23,UASC M MEDLEY RELAY

1:40.96 UBC Dolphins, UBCD 1:41.68 Montreal Aquatique, CAMO 1:42.26 Simon Fraser.SFA 3)

1:43.45 Univ.Alberta SC,UASC 1:43.72 Univ.of Calgary SC,UCSC 5)

1:44.92 Montreal Aquatique B,CAMO 1:45.76 Univ.New Brunswick,UNB

#### 1:45.80 univ.of Calgary SC B,UCSC

4X100 M MEDLEY RELAY 3:39.98 UBC Dolphins, UBCD 3:45.02 Montreal Aquatique, CAMO 3:46.01 Univ.of Calgary SC,UCSC 3:46.87 Univ.Alberta SC,UASC 3) 4)

3:49.10 UBC Dolphins B, UBCD 5) 3:49.21 Montreal Aquatique B, CAMO 3:58.76 Samak de Brossard, SAMAK

#### **4X50 M FREE RELAY** 1:31.27 UBC Dolphins, UBCD

1:32.01 Montreal Aquatique, CAMO 1:32.57 Simon Fraser, SFA 1:33.33 Univ.of Calgary SC.UCSC

1:33.36 UBC Dolphins B,UBCD 6) 1:34 13 Univ Alberta SC LIASC 1:35.27 Montreal Aquatique B, CAMO

#### 1:36.17 univ.of Calgary SC B,UCSC **4X100 M FREE RELAY**

3:17.40 UBC Dolphins, UBCD 3:23.27 Montreal Aquatique, CAMO 3:23.34 UBC Dolphins B.UBCD

3:26.53 Univ.Alberta SC,UASC 3:26.97 Simon Fraser, SFA 6) 3:28.61 univ.of Calgary SC B.UCSC

3:30.65 Montreal Aquatique B,CAMO 3:44.42 Univ.of Calgary SC,UCSC

#### WOMEN

#### **50 METRES FREESTYLE**

25.48 Marianne Limpert, 30, CAMO 25.60 Laura Nicholls, 24, ROW 3) 25.94 Victoria Poon, 18, CAMO 26.18 Nadine Rolland.28.MAA 26.29 Jennifer Porenta, 17, TO 5) 26.32 Iris Elliott.20.TO 6) 26.32 Erin Kardash, 17, MM 26.42 Sara Alroubaie, 21, MM

#### **100 METRES FREESTYLE**

55.35 Marianne Limpert, 30, CAMO 55.90 Audrey Lacroix, 19, CAMO 3) 55.96 Laura Nicholls, 24, ROW 4) 56.00 Sophie Simard.24.UL 5) 56.58 Jennifer Porenta, 17, TO 56 87 Iris Flliott 20 TO 6) 56.92 Marieve De Blois, 18, CAMO

#### 57.34 Jennifer Beckberger, 16, AAC 200 METRES FREESTYLE

1:59.61 Laura Nicholls,24,ROW 1:59.61 Marianne Limpert,30,CAMO 1:59.89 Sophie Simard, 24, UL 2:00.25 Jessica Deglau, 22, UBCD

2:01.92 Kelly Doody,23,UBCD 2:01.92 Audrey Lacroix, 19, CAMO

2:01.92 Kristy Cameron, 21, UCSC 2:02.57 Elizabeth Collins,20,ROD

#### 400 METRES FREESTYLE

4:11.99 Sophie Simard, 24, UL 4:12.58 Brittany Reimer, 14, SKSC 4:13.10 Jessica Deglau, 22, UBCD 4:13.11 Elizabeth Warden, 24, TO

3) 5) 4:14.07 Shannon Hackett,16,UBCD

4:15.90 Tanya Hunks, 22, HYACK 4:16.46 Julie Gravelle,23.TO

1)

2)

3)

4)

5)

6)

7)

8)

9)

10) 953

953

4:40.10

1:46.73

4:20.12 Jennifer Button, 25, ROW

#### 800 METRES FREESTYLE

8:38.35 Brittany Reimer, 14, SKSC 8:40.56 Taryn Lencoe,16,UBCD 8:43.83 Tanya Hunks, 22, HYACK 8:48.31 Shannon Hackett,16,UBCD

3) 4) 5) 8:52.56 Carrie Burgoyne,21,UCSC

8:55.34 Karley Stutzel, 20, PCS 8:55.89 Julie Gravelle,23,TO

#### 8:58.56 Elyse Dudar, 15, MSSAC-TO 1500 METRES FREESTYLE

16:28.26 Brittany Reimer, 14, SKSC 16:30.45 Taryn Lencoe,16,UBCD 2) 16:56.57 Darcy Goodridge,16,UBCD 4) 16:57.81 Karley Stutzel, 20, PCS 5) 17:06.86 Danielle Bell, 19, PCS 17:10.04 Carrie Burgoyne,21,UCSC 17:11.46 Anne Schmuck,14.PSW 7) 17:16 07 Amanda Bell 14 LICSC

#### **50 METRES BACKSTROKE**

27.66 Jennifer Carroll,21,MAA 28.77 Erin Gammel, 22, UCSC 2) 3) 29.04 Caitlin Meredith, 18, UBCD 4) 29.45 Hanna Kubas, 17, UASC

5) 29.46 Genevieve Saumur, 15, CAMO 29.51 Marielle Menard, 22, UL 7) 29.77 Melanie Bouchard, 20, UL

#### 30.01 Jennifer Button, 25. ROW **100 METRES BACKSTROKE**

1:00.38 Jennifer Carroll,21,MAA 1:01.32 Caitlin Meredith, 18, UBCD 3) 1:01.41 Erin Gammel,22,UCSC 1:01.93 Jennifer Fratesi, 18, ROW 5) 1:02.52 Kiera Aitken, 20, BER 1:02.85 Melanie Bouchard,20,UL 6)

#### 7) 1:03.89 Laura Nicholls,24,ROW 1:03.99 Laina Steeple, 19, PCS

**200 METRES BACKSTROKE** 2:08.45 Jennifer Fratesi, 18, ROW 2:10.67 Elizabeth Warden, 24, TO 2) 3) 2:12.72 Caitlin Meredith, 18, UBCD

4) 2:14.01 Melanie Bouchard,21,UL 2:14.94 Erin Gammel,22,UCSC 2:17.04 Deanna Stefanyshyn, 18, UBCD 6)

#### 7) 2:17.63 Katherine Telfer.18.ESWIM 2:17 69 Lynette Bayliss 17 LICSC

**50 METRES BREASTSTROKE** 32.02 Marianne Limpert,30,CAMO 32.10 Rhiannon Leier, 25, MM 2)

3) 32.17 Lauren van Oosten,24,UCSC 4) 32.34 Lisa Blackburn, 31, ROW 32.47 Renee Hober, 17, ROW 5)

33.01 Sarah Gault, 17, DDO 33.14 Jennifer Beckberger, 16, AAC

#### 33.30 Emma Spooner, 19, UCSC 100 METRES BREASTSTROKE

1:08 81 Lauren van Oosten 24 LICSC 1:09.12 Lisa Blackburn,31,ROW 2)

3) 1:09.72 Rhiannon Leier,25,MM 1:10.40 Kathleen Stoody, 19, SFA 5) 1:10.91 Tamara Wagner, 17.ROW

1:11.16 Emma Spooner, 19, UCSC 7) 1:11.89 Stephanie Hughes,24,UDAL 1:11.96 Michelle Mange, 15, UBCD

#### **200 METRES BREASTSTROKE**

2:26.21 Lauren van Oosten,24,UCSC 1) 2:30.57 Lisa Blackburn,31,ROW 2) 3) 2:30.81 Rhiannon Leier,25,MM 4)

2:31.01 Elizabeth Warden.24.TO 2:31.58 Kathleen Stoody, 19, UBCD 2:32.22 Michelle Mange, 15, UBCD

Elizabeth Warden, 24, TO

Brent Hayden, 19, UBCD

976 1:57.72 200 im M Brian Johns. 20. UBCD 50 back W Jennifer Carroll,21,MAA 965 2:08.45 200 back W Jennifer Fratesi, 18, ROW 965 1:45.83 200 free M Rick Say, 23, UCSC 963 2:12.65 200 IM W Marianne Limpert,30,CAMO 960 58.93 100 fly W Jennifer Button, 25, ROW 957 1:55.63 200 back M Keith Beavers.19.ROW 956 2:09.20 200 flv W Audrey Lacroix, 19, CAMO

400 IM W

200 free M

**RATING SUMMARY OF TOP CANADIAN SC PERFORMANCES** 

#### 2:34.02 Renee Hober 17.ROW

2:34.72 Christin Petelski,24,PCS

#### **50 METRES BUTTERFLY**

1)

2)

3)

4)

3)

4)

2)

3)

27.52 Jennifer Button, 25, ROW 27.52 Nadine Rolland, 28, MAA 27.56 Audrey Lacroix, 19, CAMO 27.82 Kelly Doody,23,UBCD

5) 28.03 Jennifer Porenta, 17, TO 28.28 Karine Chevrier, 25, CAMO 28.51 Genevieve Saumur.15.CAMO

#### 28.82 Elizabeth Collins.20.ROD 100 METRES BUTTERFLY

1) 58.93 Jennifer Button, 25, ROW 59.36 Audrey Lacroix, 19, CAMO 1:00.93 Jennifer Fratesi, 18, ROW 4) 1:01.97 Sara Alroubaie,21,MM 1:02.73 Stephanie Hughes, 24, UDAL 6) 1:02.83 Julia Guay-Racine,16,CAMO 1:02.85 Jessica Deglau,22,UBCD

#### 1:02.96 Tiffany Vincent,17,BRANT

**METRES BUTTERFLY** 2:09.07 Jennifer Button.25.ROW 2:09.20 Audrey Lacroix, 19, CAMO 2:13.66 Sara Alroubaie,21,MM 2:13.87 Jessica Deglau, 22, UBCD 2:14.91 Tanya Hunks, 22, HYACK

5) 2:16.71 Joan Bernier.18.CNCB 6) 2:19.22 Melissa Hublev.21.UDAL 7)

#### 2:21.11 Stephanie Hughes, 24, UDAL

200 METRES IND. MEDLEY 2:12.65 Marianne Limpert,30,CAMO 2:14.56 Kelly Doody,23,UBCD 2:14.88 Kristy Cameron, 21, UCSC 2:15.02 Jennifer Fratesi,18,ROW

2:15.83 Marieve De Blois, 18, CAMO 2:17.68 Lauren van Oosten,24,UCSC

#### 2:19.08 Michelle Landry,17,UBCD 2:20.76 Stephanie Hughes,24,UDAL

400 METRES IND. MEDLEY 4:40.10 Elizabeth Warden,24,TO 4:46.95 Carrie Burgoyne,21,UCSC 4:47.08 Kelly Doody,23,UBCD

4:47.15 Tanya Hunks,22,HYACK 4) 4:51.05 Lauren van Oosten.24.UCSC

4:54.39 Marieve De Blois.18.CAMO 6)

#### 4:54.47 Kristy Cameron,21,UCSC 4:56.27 Melanie Bouchard,21,UL 4X50 M MEDLEY RELAY

1:53.34 Region of Waterloo, ROW 1) 1:54.34 Montreal Aquatique, CAMO

1:55.00 Univ.of Calgary SC,UCSC 4) 1:56.19 UBC Dolphins, UBCD

1:57.74 Montreal Aquatique B,CAMO 1:57.75 Univ.Alberta SC, UASC

#### 1:58.08 UBC Dolphins B.UBCD 7) 1:58.28 Manitoba Marlins.MM

#### **4X100 M MEDLEY RELAY** 4:05.46 Region of Waterloo, ROW

4:09.05 Montreal Aquatique, CAMO 4:10.64 UBC Dolphins.UBCD 3) 4:10.77 Univ.of Calgary SC, UCSC

5) 4:12.47 Manitoba Marlins,MM

#### 4:15.11 Toronto All Stars,TO 7) 4:15.55 Dalhousie Univ., UDAL 4:15.74 UBC Dolphins B,UBCD

4X50 M FREE RELAY 1:43.68 Montreal Aquatique, CAMO 1)

1:44.69 Region of Waterloo, ROW 3) 1:45.01 UBC Dolphins, UBCD

1:45.06 Toronto All Stars,TO 5) 1:45.08 UBC Dolphins B, UBCD

#### 6) 1:45.67 Manitoba Marlins.MM 1:45.98 Univ.Laval Rouge & Or.UL 7) 1:46.92 Univ.of Calgary SC,UCSC

**4X100 M FREE RELAY** 3:44.34 Montreal Aquatique, CAMO 3:45.90 UBC Dolphins, UBCD

3:48.11 Region of Waterloo.ROW 4)

3:48.68 Univ.of Calgary SC,UCSC 5) 3:48.99 Toronto All Stars,TO 6) 3:50.55 Manitoba Marlins,MM

3:50.70 UBC Dolphins B, UBCD

# **GERMANY TOP TEAM**

### Klochkova and Rupprath win most prize monies

IESA—The annual Short Course Europeans were held December 12-15 in this German city that has specialized in hosting major sporting events. After the German reunification about a decade ago, the community decided building a multi-use arena would provide activity, visitors, etc., and have hosted several world championships in other sports. The set-up for the swimming championships involved a temporary pool (the Swedish design used at the SC Worlds in 1997 and 1999) and seating for 3,500, with a total of 11,000 paying customers over the four days.

The format of the competition was geared to daily up. The most obvious no shows were Pieter van den live Eurosport TV coverage. The finals got underway at Hoogenband and Inge de Bruijn (NED), Franziska 3:15 pm and concluded by 5:30 or earlier. Live TV was van Almsick (GER), Roman Sloudnov (RUS), Franck about an hour in length and consisted of six to eight Esposito (FRA), who had just bettered the world record finals and a short award ceremony without flags and in the 200 fly. Therese Alshammar (SWE) was there but anthems. Since live television is so valuable and the only swam relays. Participation by Hungary was a first,

> Germany handily won the championships with 22 medals (7-7-8), more than double the totals of Italy and Sweden. Of the just over 40 LEN-affiliated countries, 24 won at least one medal.

as they have shunned short course in the past.



Opening ceremony in the temporary pool in multi-use complex

Men's highlights

Jani Sievinen (FIN) was the men's top performer, winning the 200 IM in 1:55.47 (1004 points). He also battled Peter Mankoc (SLO) in the 100 IM, where he finished second. Mankoc's winning time

Thomas Rupprath (GER), with two backstroke world records from the week before, won three individual golds, in the 50 and 100 back and 100 fly, as well as a fourth gold in the fastest-ever 4x50 medley relay. His 23.66 (999 points) in the 50 backwas a meet record but off his 23.23 from Dec 1 at the German SC Championships. Just five days before in Melbourne, AUS, he lowered the world record in the 100 back to 50.58. He was busy in Riesa and fighting jet-lag. His best swim was the 100 fly in 50.77 (1003 points). He ended up with two of the top three performances and 5,000 Euros in prize money.

Yuri Prilukov (RUS) had a fantastic year. He won the 200, 400, and 1500 free at the European Juniors in July, then he added the 1500 free at the Long Course Europeans in Berlin last August. Here he finished the year with the 1500 free title in a SC European record of 14:35.06. He turned 18 last June. "I knew the European record was possible," Prilukov said. "But the real competition is in Australia. Probably not ready for that in 2003 but eventually."

David Davies (GBR) was second in the 1500 free with 14:42.51, a 15-second drop from his previous

> best in September. "I'm shocked," Davies said. "I never expected to win a medal at my first ever European championships. Once Prilukov got ahead it became impossible to catch him." Davis is 17 and was voted top male newcomer of the championships by the media present.

> Oleg Lisogor (UKR) won the 50 breast in 26.94, and the 100 in 59.09, but was tired from the constant travel and racing. He'd been to New York and Shanghai in the weeks prior to Riesa.

> Davide Rummolo (ITA) had an easy win in the 200 breast. Splitting 1:02.14, his final time was 2:07.70. He also won the long course Europeans

last summer.

Alessio Boggiatto (ITA) and Jacob Carstensen (DEN) battled in the 400 IM with Boggiatto moving into the lead in the breaststroke to finish in 4:07.44 and Carstensen second with 4:08.80. Boggiatto won the same event at the Long Course Europeans. Carstensen took up the IM recently after reaching a plateau in the 400 freestyle.

**MEDAL TOTALS** 



major source of LEN's income, everything was done

to make it run on time and to the second, leading to

and prize money, not all European stars showed

For all the fine facilities, great organization,

a very classy production.

Distance winner Yuri Prilukov (RUS)

Marco Chiesa

		Gold	Silver	Bronze	Total	
1	GER	7	7	8	22	
2	ITA	5	2	2	9	
	SWE	5	2	2	9	
4	UKR	4	2	3	9	
5	GBR	3	4	1	8	
6	HUN	3	2	3	8	
7	SVK	3	0	0	3	
8	FIN	2	3	1	6	
9	BLR	2	2	1	5	
10	AUT	1	2	0	3	
11	SL0	1	1	3	5	
	RUS	1	1	3	5	
13	NED	1	0	2	3	
14	ISL	1	0	1	2	
15	CZE	0	3	0	3	
16	DEN	0	2	1	3	
17	FRA	0	2	0	2	
18	CRO	0	1	1	2	
19	SUI	0	1	0	1	
20	LTU	0	0	2	2	
21	ROM	0	0	1	1	
	ISR	0	0	1	1	
	GRE	0	0	1	1	
	ESP	0	0	1	. 1	
	Totals	39	37	38	114	

Germany won the 4x50 medley relay in a world best of 1:34.72 and the Netherlands won the 4x50 free relay in 1:25.41, after trailing Italy for the first three legs. It was quite a swim for the Dutch team without Van den Hoogenband. Anchoring the Italians was breaststroker Domenico Fioravanti, whose 21.66 was faster than two swimmers from the Dutch team.

#### Women's highlights

Martina Moravcova (SVK) won three events and had the top swim of the Three wins for Eva Risztov (HUN) in first ever short course meet meet in the 100 butterfly with a time

of 56.82 (1012 points) and earned 5,000 Euros for that swim. She tied for first in the 100 free with 53.66 and won the 100 IM in 1:00.21. She scratched from the 200 free to swim a fast fly. Both events had the final on the last day.

"This is my third title here in Riesa," Moravcova

Men

said. "I wanted to be much faster, but I'm still tired from yesterday." She swam prelims in the 200 free, scratched the semis, and swam the 100 fly prelims and semis and the final of the 100 IM

Elena Popchenko (BLR) tied for first in the 100 free in 53.66 and won the 200 free in 1:55.91 for the first women's golds for her country.

Eva Risztov (HUN), who won four silvers at the long course Europeans, made her first short course championships a memorable one.

First up on Day One was the 200 fly, where she won easily in 2:07.19. On Day Two it was the 800 free and she won that in a European record of 8:14.72 (splitting 4:07.82 and 4:06.90), beating Flavia Rigamonti (SUI), a twotime winner of the event, in 8:16.16. On Day Three it was the 400 free against

Yana Klochkova (UKR) to settle some old scores. Risztov split 58.91, 2:00.78, and 3:02.37 to finish in 4:01.95. Klochkova split 59.03, 2:01.06, and 3:02.73 and then gave up the chase to finish in 4:04.50.

"It was important to beat Klochkova today," Risztov said. "I could not do it last summer. I held her off at the 200 when she tried to move up."

In the 400 IM, the order at the finish was reversed as Klochkova was in the lead throughout the four strokes 1:01.27, 2:09.37, and 3:28.48 to finish in 4:29.81. Risztov was in second throughout, finishing three body lengths back in 4:33.09.

"It was revenge for the 400 free," Klochkova said.

"I am tired," Risztov said. "Klochkova saved



her strength on the finish of the 400 free to be ready for this."

Klochkova also won the 200 IM in a European record of 2:08.28.

Antje Buschschulte (GER) won the 50 back in 27.62 and the 100 back in 58.60 over an off-form

Poewe, who swam for Germany for the first time after representing South Africa internationally throughout her career, won the 100 breast in 1:06.67 and finished second in the 200 in 2:21.99 as Mirna Jukic (AUT) won in 2:21.66.

Sweden won both relays: the 4x50 medley relay in 1:48.42 over Germany in second with 1:49.26, and the 4x50 free relay in 1:38.65 over a surprisingly strong Belarus in 1:30.03. World record holder (50 and 100 free) Therese Alshammar swam key freestyle legs in both relays (23.92 and 23.79). These were her only swims

but clinched first for Sweden.

The meet moves to Dublin (IRL) in December 2003.

This was the sixth European SC Championships, held first in 1996, then yearly during December since

> 1998. During that period, 14 World, 9 World best relay, and 55 European records have been established. Prize money for records or, more recently, fast swimming based on IPS points has been an added incentive.

> This year a total of 35,000 Euros was up for grabs: 16,000 for each of seven top male and female performances and the remaining 3,000 to be split between the top Newcomer (first time on podium) male and female as chosen by the hundred journalists (written and broadcast) present.

Voted best newcomers by the media present:

David Davies (GBR), silver medallist in the 1500 freestyle, and Lena Hallander (SWE), silver medallist in the 50 butterfly.

#### **TOP EUROPEAN CHAMPIONSHIPS PERFORMERS**

1)	1004	1:55.47	200 IM M	Sievinen Jani 74,FIN
2)	1003	50.77	100 fly M	Rupprath Thomas 77,GER
3)	999	23.66	50 back M	Rupprath Thomas 77,GER
4)	998	53.05	100 IM M	Peter Mankoc 78,SLO
5)	996	1:56.07	200 IM M	Kerekjarto Tamas 79,HUN
	996	1:52.91	200 fly M	Parry Stephen 77,GBR
7)	994	1:56.28	200 IM M	Mankoc Peter 78,SLO
	994	14:35.06	100 free M	Prilukov Yuri 84,RUS
Woı	men			
<b>Wo</b> 1	<b>men</b> 1012	56.82	100 fly W	Martina Moravcova 76,SVK
		56.82 2:08.28	100 fly W 200 IM W	Martina Moravcova 76,SVK Klochkova Yana 82,UKR
1)	1012			
1) 2)	1012 1011	2:08.28	200 IM W	Klochkova Yana 82,UKR
1) 2) 3)	1012 1011 1008	2:08.28 4:29.81	200 IM W 400 IM W	Klochkova Yana 82,UKR Klochkova Yana 82,UKR
1) 2) 3)	1012 1011 1008 1006	2:08.28 4:29.81 8:14.72	200 IM W 400 IM W 800 free W	Klochkova Yana 82,UKR Klochkova Yana 82,UKR Risztov Eva 85,HUN

Ilona Hlavackova (CZE), winner of both distances in 2000 and 2001. In the 200 back, Sarah Price (GBR) won with 2:05.19 over Buschschulte in second with 2:06.26, a German

Emma Igelstrom (SWE) won the 50 breast in 30.89 by 1/100th of a second over Sarah Poewe (GER). Igelstrom then scratched the 100 breast after only a seventh in the 200 breast. She had just returned from the World Cup in Melbourne where she set a European record of 2:19.85 in the 200. It was a case of too much travel and severe jet-lag.



Top women's performance for Martina Moravcova (SVK)

#### **2002 EUROPEAN SC CHAMPIONSHIPS**

Riesa (GER) Dec 12-15 (25 M)

#### MEN

#### **50 METRES FREESTYLE**

- 21.55 Nystrand Stefan,81,SWE
- 2 21.66 Vismara Lorenzo, 75, ITA
- 3 21.74 Gimbutis Rolandas,81,LTU
- 4 21.85 Kenkhuis Johan, 80, NED
- 5 22.07 Shyrshov Vyacheslav, 79, UKR
- 6 22.09 Sicot Julien, 78, FRA
- 22.18 Volynets Oleksander,74,UKR
- 8 22.27 Gaspar Zsolt,77,HUN

#### 100 METRES FREESTYLE

- 47.33 Vismara Lorenzo,75,ITA
- 2 48.15 Hard Jere, 78, FIN
- 3 48.23 Kenkhuis Johan,80,NED
- 4 48.26 Nystrand Stefan,81,SWE
- 5 48.50 Pimankov Denis,75,RUS
- 6 48.53 Gimbutis Rolandas,81,LTU
- 48.59 Herbst Stefan, 78, GER
- 8 49.02 Veens Mark, 78, NED

#### 200 METRES FREESTYLE

- 1:45.39 Brembilla Emiliano,78,ITA
- 2 1:45.45 Svoboda Kvetoslav,82,CZE
- 3 1:45.79 Pelliciari Matteo,79,ITA
- 4 1:45.83 Herbst Stefan,78,GER
- 1:45.85 Binevicius Saulius,79,LTU 5
- 6 1:45.88 Burnett Simon,82,GBR
- 7 1:47.45 Xylouris Nikos,82,GRE
  - 1:47.91 Miloslavskis Romans,83,LAT

#### **400 METRES FREESTYLE**

8

- 3:40.60 Brembilla Emiliano,78,ITA
- 2 3:41.90 Prilukov Yuri,84,RUS
- 3 3:44.68 Oikonomou Athanasios,78,GRE
- 4 3:44.82 Svoboda Kvetoslav,82,CZE
- 5 3:45.88 Pelliciari Matteo,79,ITA
- 6 3:49.41 Fesenko Sergiy,82,UKR 7 3:50.67 Vrhoysek Martin,83,SLO
- 8 3:52.01 Gianniotis Spyridon,80,GRE

#### 1500 METRES FREESTYLE

- 1 14:35.06 Prilukov Yuri,84,RUS
- 2 14:42.51 Davies David,80,GBR
- 3 14:51.43 Minotti Christian,80,ITA
- 4 14:55.06 Koptour Dmitry,78,BLR
- 5 14:57.54 Lurz Thomas, 79, GER
- 6 15:00.63 Chervynskiy Igor,81,UKR
- 15:04.67 Gianniotis Spyridon,80,GRE
- 8 15:10.82 Zdesar Bojan,84,SLO

#### **50 METRES BACKSTROKE**

- 23.66 Rupprath Thomas, 77, GER
- 2 24.29 Theloke Stev, 78, GER
- 3 24.62 Grigalionis Darius, 77, LTU
- 4 24.70 Arnarson Orn,81,ISL
- 5 24.80 Horvath Peter, 74, HUN
- 6 24.86 Mankoc Peter, 78, SLO
- 24.88 Tamminga Baastian,81,NED
- 24.90 Zeravica Miro,72,CRO 8

#### 100 METRES BACKSTROKE

- 51.51 Rupprath Thomas, 77, GER 2 51.71 Theloke Stev, 78, GER
- 3 51.91 Arnarson Orn,81,ISL

- 52.73 Grigalionis Darius,77,LTU
- 5 53.22 Buyukuncu Derya,76,TUR
- 6 53.29 Alechine Evgeni, 79, RUS 53.39 Horvath Peter, 74, HUN
- 53.70 Nikolaychuk Volodymyr,75,UKR

#### 200 METRES BACKSTROKE

- 1 1:54.00 Arnarson Orn,81,ISL
- 2 1:54.11 Parry Stephen,77,GBR
- 1:54.50 Kozulj Gordan,76,CRO 3
- 4 1:55.24 Alechine Evgeni,79,RUS
- 5 1:55.86 Sanchez Jorge,77,ESP
- 6 1:56.22 Dufour Simon,79,FRA 7 1:56.23 Cseh Laszlo,85,HUN
- 8 1:56.94 Nikolaychuk Volodymyr,75,UKR

#### **50 METRES BREASTSTROKE**

- 26.94 Lisogor Oleg,79,UKR
- 2 27.15 Warnecke Mark, 70, GER
- 27.36 Kruppa Jens, 76, GER
- 27.40 Lutolf Remo,80,SUI
- 27.52 Tepavcevic Mladen,76,YUG
- 27.55 Pihlava Jarno, 78, FIN
- 27.55 Isaksson Patrik,73,SWE
- 27.61 Duboscq Hugues,81,FRA

#### 100 METRES BREASTSTROKE

2

- 59.09 Lisogor Oleg,79,UKR
- 59.18 Duboscq Hugues,81,FRA
- 3 59.49 Pihlava Jarno, 78, FIN
- 59.72 Komornikov Dimitri,81,RUS 4
- 5 1:00.04 Podoprigora Max,78,AUT
- 6 1:00.37 Tepavcevic Mladen,76,YUG
- 1:00.46 Lutolf Remo,80,SUI
- 1:00.60 Cassol Davide,80,ITA

#### 200 METRES BREASTSTROKE

- 2:07.70 Rummolo Davide,77,ITA
- 2:09.87 Podoprigora Max,78,AUT
- 2:10.62 Bodor Richard, 79, HUN
- 2:10.70 Bree Andrew,81,IRL
- 2:11.19 Sveinsson Jakob,82,ISL 6 2:11.53 Kasprowicz Kamil.84.GER
- 2:12.63 van Valkengoed Thijs,83,NED
- 2:14.12 Wold Anders,81,NOR

#### **50 METRES BUTTERFLY**

1

- 23 47 Hard Jere 78 FIN
- 2 23.62 Milosevic Milos,72,CRO
- 3 23.75 Marchenko Igor, 75, RUS
- 4 23.78 Tsagkarakis Apostolos,82,GRE
- 5 23.81 Lagoun Pavel, 79, BLR
- 6 23.83 Serdinov Andriy,82,UKR
- 7 23.93 Puninski Alex,85,CRO
- 23.99 Dietrich Johannes,85,GER

#### **100 METRES BUTTERFLY**

- 50.77 Rupprath Thomas,77,GER
- 2 51.57 Serdinov Andriy,82,UKR
- 3 51.61 Marchenko Igor, 75, RUS
- 4 51.66 Hickman James, 76, GBR
- 5 51.97 Korotyshkin Evgeni,83,RUS
- 52.30 Lagoun Pavel,79,BLR 6
- 52.51 Valimaa Tero,78,FIN

#### 52.58 Sylantyev Denis,76,UKR 200 METRES BUTTERFLY

- 1 1:52.91 Parry Stephen,77,GBR 2 1:53.02 Hickman James, 76, GBR
- 3
- 1:55.49 Gherghel loan,78,ROM 1:55.62 Sylantyev Denis,76,UKR

- 1:55.65 Kerekjarto Tamas, 79, HUN
- 6
- 1:57.21 Skvortsov Nikolai,84,RUS 7 1:57.46 Advena Sergiy,84,UKR
- 1:57.85 Gaspar Zsolt,77,HUN

#### 100 METRES IND. MEDLEY

- 53.05 Mankoc Peter, 78, SLO
- 2 53.58 Sievinen Jani,74,FIN
- 3 53.65 Lisogor Oleg, 79, UKR
- 4 54.18 Kruppa Jens, 76, GER
- 5 54.47 Andersen Jakob,77,DEN
- 55.04 Janusaitis Vytautas,81,LTU 7 55.09 Sergeev Sergiy,70,UKR
- 55.68 Tomecek Pavel,78,CZE

#### 200 METRES IND. MEDLEY

- 1:55.47 Sievinen Jani,74,FIN
- 2 1:56.07 Kerekjarto Tamas, 79, HUN
- 3 1:56.28 Mankoc Peter,78,SLO
- 4 1:58.00 Kruppa Jens,76,GER
- 5 1:58.06 Boggiatto Alessio,81,ITA
- 1:58.43 Keller Christian,72,GER 7 1:58.60 Sergeev Sergiy,70,UKR

#### 8 2:00.05 Cac Kresimir,76,CRO

- **400 METRES IND. MEDLEY** 4:07.44 Boggiatto Alessio,81,ITA
- 4:08.80 Carstensen Jacob,78,DEN 2
- 3 4:08.96 Cseh Laszlo,85,HUN
- 4 4:11.70 Bathazi Istvan.78.HUN 5 4:12.07 Nazarenko Dmytro,80,UKR
- 6 4:13.60 Halika Michael,78,ISR
- 7 4:14.51 Turner Adrian,76,GBR

#### 4:16.13 Alexandrov Mihail,85,BUL

- **4X50 M MEDLEY RELAY**
- 1:34.72 Germany, GER
- 1:35.69 Finland,FIN 2
- 1:36.46 Ukraine,UKR 1:37.50 Sweden,SWE

- 1:37.78 Switzerland, SUI 5
- 6 1:37.90 Russia.RUS
- 7 1:38.72 Portugal, POR
- 8 disq Croatia,CRO

#### **4X50 M FREE RELAY**

- 1:26.41 Netherlands, NED
- 1:26.63 Italy,ITA 2
- 3 1:26.83 Ukraine,UKR
- 4 1:27.27 Germany, GER
- 5 1:27.45 Sweden,SWE
- 1:28.38 Slovenia, SLO 6
- 1:28.71 Finland,FIN
- 1:28.93 France,FRA

#### WOMEN

- **50 METRES FREESTYLE**
- 24.20 Sheppard Alison,72,GBR
- 24.74 Herasimenia Aleksandra,85,BLR
- 3 24.98 Kammerling Anna-Karin,80,SWE
- 25.06 Groot Chantal,82,NED 4 5 25.14 Brandt Dorothea,83,GER
- 6 25.25 Seppala Hanna-M.,84,FIN
- 7 25.27 Draxler Judith, 70, AUT

#### 25.29 Valen Suze,78,NED 8

- **100 METRES FREESTYLE**
- 53.66 Popchenko Elena, 79, BLR 1 53.66 Moravcova Martina,76,SVK 2
- 54.03 Dallmann Petra,78,GER 3
- 4 54.04 Sheppard Alison,72,GBR
- 5 54.19 Veldhuis Marleen,79,NED
- 6 54.50 Lillhage Josefine,80,SWE

#### 54.76 Groot Chantal,82,NED

7

200 METRES FREESTYLE 1:55.91 Popchenko Elena,79,BLR

54.65 Myskova Jana, 77, CZE



Women's 800 free medallists-Flavia Rigamonti (SUI), Eva Risztov (HUN), and Hana Stockbauer (GER)

- 1:56.26 Figues Solenne,79,FRA
- 3 1:56.57 Lillhage Josefine,80,SWE
- 4 1:57.56 Dallmann Petra,78,GER
- 5 1:57.84 Roca Laura,80,ESP
- 1:57.90 Ries Alessa,81,GER
- 1:57.96 Rouba Tatiana,83,ESP
- 1:58.20 Hjorth-Hansen Julie,84,DEN

#### **400 METRES FREESTYLE**

2

- 4:01.95 Risztov Eva,85,HUN
- 4:04.50 Klochkova Yana,82,UKR
- 4:07.48 Stockbauer Hannah,82,GER 3
- 4 4:09.19 Oufimtseva Irina,85,RUS
- 5
- 4:09.19 Payne Keri Anne,87,GBR
- 6 4:09.21 Villaecia Erika,84,ESP
- 4:10.76 Sytch Regina,87,RUS
- 8 4:11.57 Wanberg Lotta,79,SWE

#### 800 METRES FREESTYLE

- 8:14.72 Risztov Eva,85,HUN
- 2 8:16.16 Rigamonti Flavia,81,SUI
- 3 8:20.92 Stockbauer Hannah, 82, GER
- 4 8:21.76 Henke Jana,73,GER
- 5 8:25.87 Payne Keri Anne,87,GBR
- 6 8:29.51 Oufimtseva Irina,85,RUS
- 8:30.24 Villaecia Erika,84,ESP
- 8 8:30.62 Caballero Melissa,85,ESP

#### **50 METRES BACKSTROKE**

2

- 27.62 Buschschulte Antie, 78, GER
  - 27.75 Hlavackova Ilona.77.CZE
- 3 27.88 Pietsch Janine,82,GER
- 4 28.00 Ornstedt Louise.85.DEN
- 5 28.23 Manaudou Laure,86,FRA
- 6 28.33 Jovanovic Sanja,86,CRO 7 28.55 Amshennikova Irina,86,UKR
- 28.64 Diezi Dominique,77,SUI

#### 100 METRES BACKSTROKE

- 58.60 Buschschulte Antje,78,GER
- 2 59.61 Hlavackova Ilona,77,CZE
- 3 59.83 Price Sarah, 79, GBR 4 59.92 Komarova Stanislava,86,RUS
- 5 59.93 Manaudou Laure.86.FRA
- 6 59.97 Ornstedt Louise.85.DEN
- 1:00.01 Pietsch Janine.82.GFR
- 1:00.58 Amshennikova Irina,86,UKR

#### 200 METRES BACKSTROKE

- 1 2:05.19 Price Sarah,79,GBR
- 2:06.26 Buschschulte Antje,78,GER
- 2:07.57 Komarova Stanislava,86,RUS
- 2:08 02 Amshennikova Irina 86 LIKR
- 2:08.26 Ornstedt Louise,85,DEN
- 2:10.27 Lee Karen,82,GBR
- 2:13.69 Jovanovic Sania.86.CRO
- 2:15.35 Erke Derva.83.TUR

#### 50 METRES BREASTSTROKE

- 30.89 Igelstrom Emma,80,SWE
- 30.90 Poewe Sarah.83.GER
- 31 12 Schafer Janne 81 GFR
- 31.45 Bogomazova Elena,82,RUS
- 31.53 Thorup Majken, 79, DEN
- 31.74 Robinson Emma,78,IRL
- 31.82 Jukic Mirna,86,AUT

#### 32.04 Bondarenko Svitlana,71,UKR 100 METRES BREASTSTROKE

- 1:06.67 Poewe Sarah,83,GER
- 1:07.11 Jukic Mirna,86,AUT
- 3 1:07.97 Kovacs Agnes,81,HUN
- 1:08.00 Bogomazova Elena,82,RUS 4
- 5 1:08.28 Baans Madelon.77.NED
- 1:08 84 Chocova Petra 86 C7F 7
- 1:08.93 Thorup Maiken.79.DEN

#### 1:09.51 Hissamutdinova Natalia,83,EST 200 METRES BREASTSTROKE

- 2:21.66 Jukic Mirna.86.AUT
- 2:21.99 Poewe Sarah,83,GER
- 2:23.51 Poleska Anne,80,GER
- 2:24.78 Bogomazova Elena,82,RUS
- 2:24.79 Kovacs Agnes,81,HUN
- 2:26.46 Remenyi Diana,86,HUN
- 2:27.02 Igelstrom Emma,80,SWE

#### 2:27.29 Kormacheva Ekaterina,82,RUS **50 METRES BUTTERFLY**

- 25.78 Kammerling Anna-Karin,80,SWE 26 74 Hallander Lena 82 SWF
- 26 87 Borochovski Vered 84 ISR
- 27 01 Groot Chantal 82 NFD
- 5 27.13 Draxler Judith.70.AUT 6
  - 27.18 Nadarajah Fabienne,85,AUT

- 27.37 Hofmann Nele,86,GER
- 27.57 San Juan Angela,83,ESP

#### **100 METRES BUTTERFLY**

- 56.82 Moravcova Martina,76,SVK
- 57.94 Kammerling Anna-Karin,80,SWE
- 59.09 Jacobsen Mette, 73, DEN
- 59.45 Borochovski Vered,84,ISR
- 59.94 Hallander Lena,82,SWE
- 1:00.20 Segat Francesca,83,ITA
- 1:00.28 Sutiagina Natalia,80,RUS 1:00.86 Mongel Aurore,82,FRA

#### 200 METRES BUTTERFLY

- 2:07.19 Risztov Eva,85,HUN
- 2:08.30 Jacobsen Mette,73,DEN
- 2:08.40 Vives Roser,84,ESP
- 2:08.80 Skou Sophia,73,DEN
- 2:09.37 Segat Francesca,83,ITA
- 2:09.68 Garcia Mireia,81,ESP
- 2:10.16 Zahrl Petra,81,AUT

#### 2:11.77 Kubalcikova Marcela,73,CZE 100 METRES IND. MEDLEY

- 1:00.21 Moravcova Martina,76,SVK
- 1:00.99 Sheppard Alison,72,GBR
- 1:01.43 Kejzar Alenka, 79, SLO
- 1:01.69 Scherba Hanna,82,BLR
- 1:02.08 Eriksson Hanna,84,SWE
- 1:02.25 Hjorth-Hansen Julie,84,DEN
- 1:02.48 Rouba Tatiana,83,ESP

#### 1:03.13 Seppala Hanna-M.,84,FIN 200 METRES IND. MEDLEY

- 2:08.28 Klochkova Yana,82,UKR
- 2:09.33 Kejzar Alenka,79,SLO
- 2:10.23 Scherba Hanna,82,BLR
- 2:11.57 Hjorth-Hansen Julie,84,DEN
- 2:13.97 Rouba Tatiana,83,ESP
- 2:14.62 Carballido Paula,79,ESP 2:14.69 Biscia Federica,80,ITA
- 2:16.12 Borochovski Vered,84,ISR

#### **400 METRES IND. MEDLEY**

- 4:29.81 Klochkova Yana.82.UKR
- 4:33.09 Risztov Eva,85,HUN
- 4:33.80 Keizar Alenka.79.SLO 4:38.65 Biscia Federica,80,ITA



Girls from Belarus celebrating first ever relay medal

- 4:42.09 Carballido Paula,79,ESP
- 4:44.00 Remenyi Diana,86,HUN
- 4:44.98 Vives Roser,84,ESP
- 4:46.58 Jarland Elisabeth,85,NOR

#### 4X50 M MEDLEY RELAY

- 1:48.42 Sweden, SWE
- 1:49.25 Germany, GER
- 1:50.56 Netherlands,NED
- 4 1:51.54 Great Britain, GBR
- 1:51.72 Ukraine UKR 1:52.00 Czech Republic, CZE

- 1:54.85 France,FRA
- 1:55.08 Switzerland, SUI 8
- **4X50 M FREE RELAY** 1:38.65 Sweden,SWE
- 1:39.03 Belarus,BLR 2
- 1:39.56 Germany, GER 3
- 4 1:39.64 Netherlands, NED
- 1:39.82 Czech Republic,CZE 1:41.08 Great Britain, GBR
- 1:42.21 Denmark.DEN 1:42.43 France,FRA

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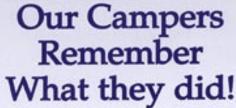
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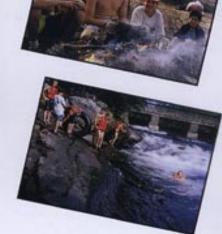
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#### **RECORD SETTERS**

WORLD SHORT COURSE

Status

• Men's 400 freestyle:

3:34.58 Grant Hackett, AUS, Sydney, Jul 18, 2002 Betters old record of 3:35.01 Grant Hackett, AUS 1999 FINA ratified

• Men's 50 backstroke:

23.31 Matthew Welsh, AUS, Melbourne, Sep 2, 2002 23.23 Thomas Rupprath, GER, Goslar, Dec 1, 2002 betters old record of 23.42 Neil Walker, USA, 2000

FINA ratified pending

• Men's 100 backstroke:

50.58 Thomas Rupprath, GER, Melbourne, Dec 8, 2002 Betters old record of 50.74 Neil Walker, USA, 2000 FINA ratified

• Men's 200 butterfly:

1:50.73 Franck Esposito, FRA, Antibes, Dec 8, 2002 Betters old record of 1:51.21 Thomas Rupprath, GER, 2002 pending

• Men's 100 individual medley:

52.58 Thomas Rupprath, GER, Berlin, Jan 25, 2003 Betters old record of 52.63 Peter Mankoc, SLO, 2001 FINA ratified

• Men's 400 individual medley:

4:02.72 Brian Johns, CAN, Victoria, Feb 21, 2003 Betters old record of 4:04.24 Matthew Dunn, AUS, 1998 111111111111

• Men's 4x50 medley relay:

1:34.72 Germany, Riesa, Dec 12, 2002

ratified

pending

Betters old record of 1:34.78 Germany, 2001

• Men's 4x100 medley relay: FINA ratified 3:28.12 Australia, AUS, Melbourne, Sep 4, 2002

Betters old record of 3:29.00 United States, 2002

• Women's 400 freestyle:

3:59.53 Lindsay Benko, USA, Berlin, Jan 26, 2003 Betters old record of 4:00.03 Claudia Poll, CRC, 1997 FINA ratified

• Women's 100 backstroke:

56.71 Natalie Coughlin, USA, East Meadow, Nov 23, 2002 Betters old record of 57.08 Natalie Coughlin, USA, 2001 FINA ratified

• Women's 200 breaststroke:

2:18.86 Hui Qi, CHN, Shanghai, Dec 2, 2003 Betters old record of 2:19.25 Hui Qi, CHN, 2001 pending

• Women's 100 butterfly:

56.34 Natalie Coughlin, USA, East Meadow, Nov 22, 2002 Betters old record of 56.55 Martina Moravcova, SVK, 2002 FINA ratified

• Women's 100 individual medley:

58.80 Natalie Coughlin, USA, East Meadow, Nov 23, 2002 Betters old record of 59.30 Jenny Thompson, USA, 1999 FINA ratified

#### COMMONWEALTH SHORT COURSE

• Men's 400 freestyle:

3:34.58 Grant Hackett, AUS, Sydney, Jul 18, 2002 Betters old record of 3:35.01 Grant Hackett, AUS 1999

• Men's 50 backstroke:

23.31 Matthew Welsh, AUS, Melbourne, Sep 2,2002 Betters old record of 23.66 Matthew Welsh, AUS, 2002

• Men's 100 backstroke:

50.95 Matthew Welsh, AUS, Melbourme, Sep 4, 2002 Betters old record of 51.18 Matthew Welsh, AUS, 2002

• Men's 100 breaststroke:

58.91 Chris Cook, ENG, Stockholm, Jan 23, 2003 Betters old record of 59.02 James Gibson, ENG, 2001 • Men's 400 individual medley:

4:02.72 Brian Johns, CAN, Victoria, Feb 21, 2003 Betters old record of 4:04.24 Matthew Dunn, AUS, 1998

• Men's 4x100 medley relay:

3:28.12 Australia, Melbourne, Sep 4, 2002 Beters old record of 3:29.88 Australia, 1999

• Women's 50 freestyle:

24.23 Alison Sheppard, SCO, Paris, Jan 17, 2003 24.06 Alison Sheppard, SCO. Berlin, Jan 25, 2003 Betters old record of 23.24 Alison Sheppard, SCO, 2000

• Women's 200 freestyle:

1:55.12 Elka Graham, AUS, Melbourne, Dec 8, 2002 Betters old record of 1:55.66 Susan O'Neill, AUS, 2000

• Women's 400 freestyle:

4:01.17 Elka Graham, AUS, Melbourne, Dec 7, 2002 Betters old record of 4:03.42 Elka Graham, AUS, 2001

#### CANADIAN SHORT COURSE

• Men's 100 freestyle:

48.42 Yannick Lupien, CNCB, Edmonton, Dec 1, 2002 Betters old record of 48.79 Michael Mintenko, UBCD, 2002

• Men's 50 butterfly:

23.57 Michael Mintenko, UBCD, Stockholm, Jan 21, 2003 Betters old record of 23.71 Garret Pulle, AAC, 1998

• Men's 200 indvidual medley:

1:57.21 Brian Johns, UBCD, Berlin, Jan 26, 2003 1:56.23 Brian Johns, UBC, Victoria, Feb 23, 2003 Better old record of 1:57.53 Brian Johns, 2002

• Men's 400 individual medley:

4:02.72 Brian Johns, UBC, Victoria, Feb 21, 2003 Betters old record of 4:06.85 Brian Johns, UBCD, Moscow, Apr 4, 2002

• Men's 4x100 free relay:

3:14.14 National Selection, Edmonton, Dec 1, 2002 Betters old record of 3:14.90 World Championships Team, 1999

• Women's 100 breaststroke:

1:07.30 Rhiannon Leier, MM, Berlin, Jan 25, 2003 Betters old record of 1:07.74 Rhiannon Leier, MANTA, 2001

• Women's 100 butterfly:

58.93 Jennifer Button, ROW, Edmonton, Dec 1, 2002 Betters old record 59.10 Marylyn Chiang, ESWIM, 2000

• Women's 4x50 medley relay:

1:53.34 Region of Waterloo SC, Edmonton, Dec 1, 2002 Betters old record of 1:54.20 Montreal CAMO, 2000

• Women's 4x100 medley relay:

4:02.99 National Selection, Edmonton, Dec 1, 2002 Betters old record of 4:03.89 World Championship Team, 1995

#### CANADIAN LONG COURSE

• Men's 100 butterfly:

52.44 Michael Mintenko, UBCD, Minneapolis, Dec 6,2002 Betters old record of 52.58 Michael Mintenko, PDSA, 2000

• Women's 1500 freestyle:

16:37.54 Brittany Reimer, SKSC, Sydney, Jan 9, 2003 Betters old record of 16:40.60 Elissa Purvis, CDSC, 1986

• Women's 50 breaststroke:

31.73 Rhiannon Leier, MM, Calgary, Mar 7, 2003 Betters old record of 32.02 Rhiannon Leier, MANTA, 2000

#### TINY OLYMPIC PROSPECTS



CLUB NAME	Code	Prov	Boys	Girls	Total
Canadian Dolphins SC	CDSC	BC	23	13	36
Chena Swim Club	CHENA	BC	8	21	29
Delta Sungod SC	DELTA	BC	3	8	11
Edmonton Keyano SC	EKSC	AB	14	27	41
Guelph Marlin AC	GMAC	ON	7	10	17
Langley Olympians	LOSC	BC	31	37	68
Liquid Ligthning SC	LL	BC	6	7	13
London Aquatic Club	LAC	ON	10	14	24
North York AC	NYAC	ON	6	9	15
Olympian Swim Club	OSC	AB	7	10	17
Pacific Coast Swimming	PCS	BC	9	8	17
Pointe Claire Swim Club	PCSC	QC	37	71	108
Pacific Sea Wolves	PSW	BC	23	36	59
Richmond Rapids	RAPID	BC	5	12	17
Red Deer Catalina SC	RDCSC	AB	3	16	19
Region of Waterloo	ROW	ON	5	6	11
Swanhill Sharks	SHSC	AB	0	2	2
University of Calgary SC	UCSC	AB	30	40	70
Uxbridge Swim Club	USC	ON	4	14	18
Winskill Dolphin SC	WDSC	BC	13	9	22
West Vancouver Otters SC	WVOSC	BC	3	7	10
Total			247	377	624

#### GIRLS 7&II - 200 FREESTYLE

2:55.04 Donna Wu,AQUA,85 3:57.30 MacLEOD Katelyn,OSC 4:04.46 STARMAN Sabra.EKSC 4:04-40 STARMAN SADIQLENSU
4:10.40 STARMAN SADIQLENSU
4:11.49 MAGLEON DIKKI, UCSC
4:16.31 VANDT Fanifred, CDSC
4:18.27 SCHMIDT Stefanie, PCS
4:23.00 von NOGRDENNE Maria, LOSC
4:38.27 DRESSEL Ermity, UCSC
4:38.27 DRESSEL Ermity, UCSC
4:38.27 DRESSEL Ermity, UCSC
4:38.27 DRESSEL Ermity, UCSC
4:50.30 SANTOS Chelsea, DELTA
4:43.36 GRASSO Blainca, PCSC
4:50.30 CHULOUGH Megan, PCSC
4:50.30 CHULOUGH Megan, PCSC
4:51.30 DWYER Marlie, EKSC
5:05.00 BURTON Haylie, GMAC
5:07.00 CHOW OILVA, PCSC
5:28.50 MARTINEAU Katherine, PCSC
5:28.50 MARTINEAU Katherine, PCSC
5:38.78 MARTINEAU Katherine, PCSC
5:40.25 GIBSON Kinley, EKSC 4:11.49 MacLEOD Nikki, UCSC 5:40.25 GIBSON Kinley,EKSC 5:46.09 CASSAROTTO Alexandra,PCSC 5:50.00 EDWARDS Emma,GMAC 5:50.78 LEBLANC Melanie,PCSC 5:55.30 LITTLE Dallas,RDCSC 5:57.94 SURA Kylie, PCSC 5:58.00 GROENEWEGEN Sara, PSW 6:02.09 WILLIAMS Danny, PCSC 6:06.95 PEAKE Sydney, WDSC 6:08.20 SPARSHU Gabrielle, EKSC 27) 28) 29) 30) 31) 6:08.24 NOVACK Vanessa, PCSC 6:10.20 BELZEROWSKI Tara, RDCSC 6:12.01 TETTAMANTI Marissa, CDSC 6:13.90 JOHNSON Jennie, PSW 6:29.21 DUSZYNSKA Agneska, CHENA 32) 33) 34) 6:39.21 DUSZYNSKA AGNESKA, CHENA 6:33.81 CUMMINGS Rachael, USC 6:38.00 METCALFE Martha, LOSC 6:42.12 ENSING Kate, CHENA 6:56.00 WORTHINGTON Romina, LOSC 7:09.25 WENAAS Toree, UCSC 37) 38) 39) 40) 41) 7:32.00 RIDDLER Eve.LOSC 7.32.00 NIDDLER EVE, LOSC 7.34.77 NYKIFORUK Alexandra, EKSC 7.35.54 RUSH Taylor, UCSC 7.47.00 STURGEON Michaenne, LOSC 7.47.70 SAURETTE Alexandra, EKSC

#### GIRLS 8 - 400 FREESTYLE

Rec: 5:49.44 Sandy Sabo, DDO, 83

1) 6:29.90 QUON Caitlin, RAPID

2) 6:39.79 GRAVES Meagan, SHSC 6:55.89 CLOUTIER Isabelle, PCSC 7:11.68 McKILLOP Corey, GMAC 7:12.50 ASSI Sarah,PCSC

7:58.00 MONROE Abbey,LOSC 8:13.98 BALTZER Nicole,WDSC 9:50.00 GILMORE Hayden,LOSC 9:51.90 METCALFE Hillary,LOSC 10:05.04 HASSAN Zaynah,UCSC

11:31.50 GILMORE Hayley,LOSC 11:52.43 HANCOCK Jessica,WDS 12:36.00 van WYN Fran,LOSC

7:18.80 WU Yi Han,RAPID 7:20.35 JOHNSTON Shannon,SHSC 7:22.91 ZEVNIK Alexia,PCSC 7:24.94 CUNNINGHAM Margot,ROW 7:24.97 GAGNE Amanda,PCSC 7:35.00 CALDWELL Katie, PSW 7:48.90 LAMONTAGNE Taylor, PSW 7.46.30 LAMONTAGINE TAYIOT,F3 7:52.31 BEETIJIAN Venus,PCSC 7:59.49 CAMERON Ashley,PCSC 8:09.88 BRAYNE JIIIan,PCSC 8:09.88 BRAYNE Jillian, PCSC 8:20.06 CASSAROTTO Stephanie, PCSC 8:21.26 ROY Caroline, PCSC 8:21.45 JUNG Melissa, CHENA 8:25.15 FAIRILE Paige, PCSC 8:31.27 BADGER Allison, UCSC 8:39.75 BLAGRAVE Cassandra, PCSC 8:46.18 NORMAN Courtney, PCSC 8:52.95 McDONALD Marina, PCSC 8:53.61 ROY Lauren, PCSC 8:53.61 ROY Lauren, PCSC 8:54.80 DIFRUSCIA Rebecca, PCSC 8:59.24 BLITTERS Meanan PCSC 24) 25) 26) 27) 28) 29) 30) 31) 8:59.24 BUTTERS Meagan, PCSC 9:07.50 KRAFT Amara, UCSC 9:08.50 MULLIGAN Mariah, PSW 9:10.30 BELEC Anne-Marie, PCSC 9:11.08 TWOREK Grace, OSC 9:13.94 SIARKOWSKI Lauren,UCSC 9:14.00 CARICH Rachel, PSW 9:17.75 SIMONSON Krist,ITS 9:18.77 WILLCOCK Elizabeth,WVOSC 9:21.46 DONALDSON Ashley,WVOSC 36) 37) 38) 39) 40) 9:24.59 NOVACK Arielle, PCSC 9:25.43 HEEPS Michelle, CHENA 9:40.80 OUELLETTE Alex, PSW 9:44.04 KEMERI Anna, UCSC 41 9:48.08 PARKER Lauren RDCSC 9:52.26 RIZKALLA Jessica, UCSC 9:58.41 FLEMMING Sara, OSC 10:08.00 BIRDSALL Allison, PSW 10:18.00 TADROS Katrina, LOSC 10:18:00 IADHUS KARIMALUSU 10:27.50 LEE Sandra, PSW 10:29.92 HEFFERING Abbie, USC 10:32.00 REHBERGE Natalie, LOSC 10:32.13 FERRARO Anika, USC 10:37.04 DONALDSON Adrea, WVOSC 11:14.20 KORPATCH Rachel, PSW 11:14.20 KURPUT Kets PSW 46 11:14.20 KURPAI CH RACHE, PSW 11:17.70 SHIPPIT Kaley, PSW 11:21.34 XIE Cherry, CHENA 11:21.91 CWYNAR Laurenne, USC 11:25.00 DAISLEY Christina, LOSC 11:42.53 ROSTDIE Sara, CHENA 12:55.23 ENSING Alexandra, CHENA

11:48.61 D'ASSUMPCAO Robyn,RDCSC 12:14.54 HO Katelin,CHENA 12:23.00 MOLSBERRY Ariane,PSW 12:33.00 PRANGE Emma,PSW

13:01.24 MROZ Ella,USC 14:13:20 ALI Amira,CDSC 14:20.38 MARCHUK Lyndi,RDCSC 14:32.20 McIVER Kara,LOSC

#### GIRLS 9 - 800 FREESTYLE

Rec: 10:45.42 Julie Bodenbender,AQUA,88
1) 12:12.91 McGREGOR Ashley,PCSC
2) 12:28.73 MISURELLI Jennifer,UCSC 12:50.41 KREMER Lori, OSC

17-39.47 KENNEDY Ashley PCSC
17-34.33 FUNG Natasha, OSC
17-34.37 JOHNSON Ashley WDSC
17-56.30 POLAK Martha, PCSC
17-56.30 POLAK Martha, PCSC
18-18-13.49 DAVIES Stelanie, UCSC
18-17-21 ACOBS Megan, USC
18-17-21 ACOBS Megan, USC
18-17-21 ACOBS Megan, USC
18-17-25 FINAN Catherine, LAC
18-18-29.40 GREEN Tessa, EKSC
18-18-50 FINAN Catherine, LAC
18-19-14 CHAN Lessica, CDSC
19-19-17 CHAN Jessica, CDSC
19-19-17 CHAN Jessica, CDSC
19-19-18 CHAN JESSICA, CDSC
19-18 CHAN JESSICA, C 56) 57) 7:17.32 BRUIN Morgann, RDCSC 19:34.45 SH-WILLIAMS Auriel, CHEN/ 2002.46 BOORMAN Michelle, LL 20:48.22 SCOTT Erin, UCSC 20:49.33 JASSAL Melissa, DELTA 21:19.30 KARHOFFER Elizabeth, PSW 21:27.31 MOGERMAN Chya, CDSC 21:30.00 DAMETTO Jenna, LOSC 21:42.59 ARMSTRONG Faith, EKSC 21:42.59 ARMSTRONG Faith, EKSC 21:42.59 ARMSTRONG Faith, EKSC 22:15.71 B HALL Julie, DELTA 22:09.00 MILLER Sally, LOSC 22:15.70 BOLEN Brianna, LOSC 22:16.90 HUGHES Erin, WYOSC 22:20.70 BOLEN Brianna, LOSC 23:44.07 KUPPE Medhan, UCSC 23:44.07 KUPPE Meghan,UCSC 24:26.15 NITZ Sarah,LL 28:00.50 LABOTS Julianna,EKSC 29:21.05 HUMAYUN Sanaa,UCSC 85) 39:33.00 FALLU Isabelle, EKSC

13:06.95 CENTOMO Kyla, PCSC 13:08.85 McMULLEN Olivia, PCSC

13:32.68 WFI Quennie\_UCSC
13:33.35 VRIONIS Valerie\_PCSC
13:40.30 DA SILVA Martina\_CDSC
13:50.10 ALLARDYCE\_Jamie\_Lee\_PCSC
13:50.10 ALLARDYCE\_Jamie\_Lee\_PCSC
14:04.62 RUEL\_Marie\_Anne\_PCSC
14:04.89 BAKKEN\_Alyssa\_PCS
14:41.35 PARSONS Caroline\_PCSC
14:41.34 ALCORN\_Catherine\_PDCSC
14:41.42 RO\_IAV\_Anne\_RAPID

14:44:16 SZE Laura, CDSC 14:51.30 LAW Krista, RAPID 14:51.61 MacLEOD Kari, UCSC 14:52.81 HILLDEBRAND Alyssa, UCSC 15:08.28 HART-DOWHUN Breanne, SSC 15:10.10 PRITCHARD Mara, LAC 15:13.00 ROSATO Laura, LAC 15:19.60 CREPNJAK Catherine, PSW 15:20.40 McANERIN Madison, PSW 15:20.40 McANERIN Madison, PSW 15:20.40 MCANERIN Madison, PSW

15:19.60 CREPNJAK Catherine, PSW
15:20.40 McANERIN Madison, PSW
15:20.40 GOLDWIRE Jassett, LOSC
15:26.42 DELU Lisa, LOSC
15:26.49 PHILLIPS Kristin, OSC
15:38.60 LETCH Andrea, RAPID
15:40.49 MILLS Madison, OSC
15:41.59 SALVATORI Vanessa, PCSC
15:41.59 SALVATORI Vanessa, PCSC
15:41.59 SALVATORI Vanessa, PCSC
16:10.53 BEAD Laura, PCSC
16:10.31 LOUGHEED Lauren, PSW
16:31.51 LEACH Sadie, UCSC
16:32.00 HARTLEY Jessica, LAC
16:34.00 McCORD Madison, RAPID
16:45.07 KRYSCHUK Michelle, UCSC
16:51.10 AU-YEUNG Christine, RAPID
16:59.00 TADROS Stephanie, LOSC
17:10.90 GALLAGHER Brooke, PSW
17:10.98 KEEPING Katie, USC
17:11.09 KEEPING Katie, USC
17:11.09 GIBSON-PROLOP Lindsay, EKSC
17:33.27 BLEZEROSKI Kayla, ROSC
17:33.67 BLEZEROSKI Kayla, ROSC
17:33.67 BLEZEROSKI Kayla, ROSC
17:33.77 KENNEDY Ashley, PCSC
17:33.37 FUNG Natasha, OSC

13:32.31 CANTY-CURRIE Rox 13:32.68 WEI Quennie,UCSC

14:42.60 DAY Anne,RAPID 14:44.16 SZE Laura.CDSC

6) 7) 8) 9) 10)

GAGNIER Marla,PCSC SMID Grace,WVOSC CANTY-CURRIE ROXAN,PCSC

**GIRLS 10 - 1500 FREESTYLE** *Rec: 19:12.09 Melanie Copple,AQUA,86*1) 23:13.89 McCULLOUGH Molly,PCSC
2) 23:54.10 MATTHEWS Deanna,EKSC 23:58.07 McCALLUM Natalie,UCSC 23:59.70 QUON Meghan,RAPID 24:09.38 McCORD Cate,UCSC 24:14.35 DEVRIES Lauren,WDSC 24:14.55 DEVRIES LAUREN, WOSC. 24:15.50 ADKIN Sydney, LAC 24:16.01 BOSSE Christina, PCSC 24:34.50 ZAROFF Marie, RAPID 24:48.00 HODPER Allison, PCS 24:57.30 WALKER Alyson, LAC 24:59.20 D'ARIANO Victoria, LAC 24:59.20 D'ARIANO Victoria, LAC 25:01.10 BECK Kindsey, LAC 25:14.37 ASSI Saidye, PCSC 25:14.37 ASSI Saidye, PCSC 25:14.35 MCLEAN Brenna, WVOSC 25:46.04 ALLAN Amy, PCSC 26:37.51 DESILET Irene, CDSC 26:42.58 TSANG Vivian, CDSC 26:44.58 BAKKEN Alyssa, PCS 26:48.20 ROSATO Sarah, LAC 26:51.05 NOVACK Sabrina, PCSC 26:57.96 KIRKPATIPICK KAIP, CNSC 26:57.96 KIRKPATIPICK KAIP, CNSC 26:57.96 KIRKPATRICK Kate,CDSC 27:16.42 WOODHALL Dana,ROW 27:18.15 DOLLINGER Jordie,PCSC 27:33.00 DONAHUE Morgan,LOSC 27:35:50 STEFOPOULOS Katie, USC 27:35:58 STEFOPOULOS Katie, USC 27:49:40 MULLIGAN Lynnaea, PSW 28:03:10 WOOD Olivia, ROW 28:16:16 KERR Anne, PCSC 28:17:62 SPROULE Emma, UCSC

28:29.30 LAU Sara,RAPID 28:41.36 SANTA MARIA Alexandra,PCSC 28:44.53 SCHMIDT Julia,PCS

29:05.54 RAWN Vicki,ROW 29:12.10 NELL Shannon,LAC

37) 29:14.63 JAMIESON Katei,ROW

29:14.92 GARNER Maggie, CDSC 29:26.61 KALBARCYK Victoria, PCSC 29:35.99 ROMPOTINOS Eleni,PCSC 29:40.00 TADROS Sophie,LOSC 29:48.10 GOSEL Kim,RAPID 29:50.89 BACHEWICH Andrea,EKSC 29:51.01 VIZSOLYI Andrea, PCS 30:08.18 0 DONNELL Tara, PCSC 30:10.42 DUBOIS Laurence, PCSC 30:18.70 BAYLISS Chantel, UCSC 30:46.11 SARGENT Anna, PSW 44) 30:48.17 HOSSARI Laura, PCSC 30:49.00 SUR Jenya, LOSC 31:08.83 FARKAS Kristina, CHENA | 30.49.00 SUR Jempa, LOSC |
| 31-08.83 FARKAS Kristina, CHENA |
| 31-11.37 SCHADE Patsey, CHENA |
| 31-12.12 McMULLIN Marissa, OSC |
| 31-29.64 DAVIS Sabrina, UCSC |
| 31-29.64 DAVIS Sabrina, UCSC |
| 31-39.64 DAVIS Sabrina, UCSC |
| 32-90.00 SMITH Shannon, LOSC |
| 33-90.00 KINGHI JILL, LAC |
| 34-90.90 CASCHERA Clara, LAC |
| 35-12.00 KMALLOY Ellen, LUSC |
| 35-12.00 KMALLOY Ellen, LL |
| 35-36.05 KONDRAK Victoria, PCS |
| 36-00.00 LIDNING Babriella, LOSC |
| 36-00.00 LIONING Babriella, LOSC |
| 36-20.00 LIONING Babriella, LOSC |
| 37-05.22 BIORNSON Frin, CHENA |
| 37-05.22 BIORNSON Frin, CHENA | 59) 60) | 36:44.15 LINUSAY AREXANDIA, USCA
| 36:51.00 FRIESEN AISHALLOSC
| 37:05.22 BIORNSON Frin, CHENA
| 37:02.22 BIORNSON Frin, CHENA
| 37:02.27 MITHA Tazmin, CHENA
| 37:28.27 MOSKALEVA Vasilina, CHENA
| 37:41.09 PRITCHARD Caithlin, WDSC
| 37:55.10 JOHNSTON Tessa, PSW
| 39:00.26 LI Fiora, DELTA
| 39:00.51 EHSAM Anna, CHENA
| 40:01.17 FRICK, Jennifer, EKSC
| 41:01.15 BALLANTYNE Findley, UCSC
| 41:01.51 BALLANTYNE Findley, UCSC
| 41:05.51 BUFFAN Charlene, USC
| 41:05.51 BUFFAN Charlene, USC
| 43:00.01 CULLINGS Eva, UCSC
| 48:13.83 MENCHENTON Michelle, UCSC
| 48:13.83 MENCHENTON Michelle, UCSC
| 48:56.70 COX Kristy, PSW
| 49:30.10 DIMICHELE Amian, PSW
| 49:30.10 DIMICHELE Amian, LOSC
| 51:06.00 BLACKALL Alanna, LOSC
| 51:50.60 BLACKALL Alanna, LOSC 90) 91) 100)52:51.98 CHEN Elizabeth, UCSC

**GIRLS 7&U - 100 IND. MEDLEY** *Rec: 1:28.46 Donna Wu,AQUA,85*1) 2:01.79 MacLEOD Katelyn,OSC

2:01.42 STARMAN Sabra,EKSC 2:08.42 STARMAN Sabra,EKSC 2:08.62 TATIGIAN Liane,PCSC 2:09.39 SCHMIDT Stefanie,PCS 2:14.96 MacLEOD Nikki,UCSC 2:18.03 SANTOS Chelsea,DELTA 2:18.03 SANTOS Chelsea DELTA
2:21.38 GIRSON Kinley, EKSC
2:22.52 GRASSO Bianca, PCSC
2:22.63 WAND I Famirieda, CDSC
2:28.14 BELTEROWSKI Tara, RDCSC
2:28.14 PBLTEROWSKI Tara, RDCSC
2:28.15 MCULLOUGH Megra, PCSC
2:28.78 McCULLOUGH Megra, PCSC
2:29.73 SURA Kylie, PCSC
2:30.89 DWYER Marie, EKSC
2:33.50 CHRISTOPERSON Cheyerine, PSW
2:34.00 BURTON Haylie, GMAC
2:35.15 COLI INISS Fila ILIGSC 12) 13) 14) 15) 16) 2.39.10 COLLINGS Elia, UCSC 2.35.15 COLLINGS Elia, UCSC 2.35.29 LITTLE Dallas, RDCSC 2.38.30 CROMWELL Micayley, GMAC 2.39.50 CHOW Olivya, PSW 2.40.35 OUIMET Ariana Eve, PCSC 21) 22) 23) 24) 25) 26) 2-49.35 WARTONE Kinico, PCSC 2-43.39 PEAKE Sydney, WDSC 2-48.07 DUSZYNSKA Agneska, CHENA 2-49.36 CASSAROTTO Ålexandra, PCSC 2:50.57 HUANG Jolly, CDSC 2:50.57 HUANIG JOIII,CUSC 2:53.50 GROENEWEGEN Sara,PSW 2:56.16 MARTINEAU Katherine,PCSC 2:56.50 ENISING Kate,CHENA 2:57.21 GABRIEL Lena,PCSC 2:58.45 LEBLANC Melanie,PCSC 27) 28) 29) 30) 31) 2:58.50 EDWARDS Emma, GMAC 2:58.50 EDWARDS Emma, GMAC 2:59.10 METCALFE Martha, LOSC 3:01.23 DRESSEL Emily, UCSC 3:04.07 TRINH AN, UCSC 3:04.50 RIDDLER Eve, LOSC 32) 33) 34) 35) 36) 37) 38) 39) 40) 41)

3:04.50 HIDDLER EVELUSC 3:00.86 STINIS Chice, PCSC 3:11.51 WILLIAMS Danny, PCSC 3:14.70 STUBGEON Michaenne, LOSC 3:17.08 NOVACK Vanessa, PCSC 3:20.69 PARSONS Samantha, PCSC 3:22.80 SPARSHU Gabrielle, EKSC 3:25.88 TETTAMANTI Marissa, CDSC 3:29.00 FEI/DRISI Lenna LOSC 3:28.00 ELIDORIS Jenna, LOSC 3:40.60 GILMORE Hayden, LOSC 3:40.86 WENAAS Toree LICSC 3:40.86 WENAAS IOREQ.UCSC
4:03.98 GREHAN Clare, EKSC
4:04.98 GREHAN Clare, EKSC
4:04.60 ELIDORIS Jade, LOSC
4:25.20 SAURETTE Alexandra, EKSC
4:34.00 ENDEC Cara, WDSC
4:34.02 BALTZER NICOLE, WDSC
4:34.02 BALTZER NICOLE, WDSC 4:37.00 MONROE Abbey, LOSC 4:44.50 GILMORE Havley, LOSC

4:45.40 BROWN Danica,LOSC

42) 43) 44) 45) 46)

51) 52) 53) 54) 55)

5:00.10 METCALFE Hillary.LOSC 5:14.00 WORTHINGTON Romina LOSC 5:21.50 HOLLOWAY Kaitlin,LOSC 5:48.20 van WYN Fran,LOSC 6:54.56 HASSAN Zaynah,UCSC

GIRLS 8 - 100 IND. MEDLEY

Rec: 1:27.52 Donna Wu,AQUA,85 1) 1:37.90 QUON Caitlin,RAPID 2) 1:41.09 ASSI Sarah,PCSC 3) 1:42.15 ZEVNIK Alexia,PCSC 1:43.41 GRAVES Meagan,SHSC 1:44.55 CUNNINGHAM Margot,ROW 1:45.30 WU Yi Han,RAPID 1:45.30 WU YI Han, HAPID 1:46.04 CLOUTIER Isabelle, PCSC 1:46.90 McKILLOP Corey, GMAC 1:48.00 CALDWELL Katie, PSW 1:48.81 BRAYNE Jillian, PCSC 1:48.81 GAGNE Amanda, PCSC 1:54.11 MORGAN Jennifer, EKSC 1:54.11 MORGAN Jennifer,EKSC
1:54.20 MOV Mathalin,NYAC
1:54.33 HOEKSTRA Mackenzie,EKSC
1:54.45 BEETJIAN Venus,PCSC
1:55.40 DARIANO Laura,LAC
1:55.51 JOHNSTON Shannon,SHSC
1:55.66 MATHEWS Katie,EKSC
1:56.76 PARKER Lauren,RDCSC
1:56.78 CASSAROTTO Stephanie, PCSI
1:56.83 CAMERON Ashley,Panie,PCSI
1:56.83 CAMERON Ashley,PSSC
1:59.50 LAMONTAGNE Taylor,PSW
1:59.58 FAIRLE Paige,PCSC
2:01.21 HEERS Michelle,CHENA
2:01.72 BLAGRAVE Cassandra,PCSC
2:02.63 BAULIN Morgam,RDCSC
2:02.64 BAULIN Morgam,RDCSC
2:02.65 BAULIN Morgam,RDCSC
2:03.66 BOUNALDSON Adrea,WVOSC
2:03.68 BAUGHN MORGAN BOSC
2:03.69 BAUGHN MORGAN BOSC
2:04.60 BORALDSON Adrea,WVOSC
2:08.40 STAMP Erin,GMAC
2:08.78 HEFFERING Abbie,USC
2:08.08 HAMP Erin,GMAC
2:08.78 HEFFERING Abbie,USC
2:08.08 BAUGHN LONGER BAUGHN
2:08.78 HEFFERING Abbie,USC
2:08.08 BAUGHN BAUGHN
2:08.78 HEFFERING Abbie,USC
2:08.08 BAUGHN BAUGHN
2:08.78 HEFFERING Abbie,USC
2:08.08 BAUGHN BAUGHN
2:08.78 HEFFERING Abbie,USC 1:54 20 MOY Nathalin NYAC 35 36 37 38 38 39 2:08.78 HEFFERING Abbie,USC 2:09.48 McDONALD Marina,PCSC 2:11.83 MacLEOD Sarah,PCSC 2:12.50 BROWN Jennifer,NYAC 2:12.81 TWOREK Grace,OSC 40) 41) 12.61 NORMAN Courtney, PCSC 13.01 DONALDSON Ashley, WVOSC 15.07 FERRARO Anika, USC 15.35 JUNG Melissa, CHENA 15.59 SIARKOWSKI Lauren, UCSC 45) 2:15.59 SIARKOWSKI Lauren, UCSC 2:16.49 LDRAMING Sara, OSC 2:16.49 D'ASSUMPCAO Robyn, RDCSC 2:16.82 LIVINGSTON Vassidy, USC 2:17.67 NOVACK Arielle, PCSC 2:12.66 BUTTERS Meagan, PCSC 2:20.00 REHBERGE Natalie, LOSC 2:21.30 WEIR Maggie, GMAC 2:22.00 DAMETTO Jennal, LOSC 2:23.45 SIMMONSON Krieti II 50) 51) 222.00 DAME I TO Jenna, LUSC 223.45 SIMONSON Kristi LL 223.75 KRAFT Amara JUCSC 224.80 PAPADEDES Stephanie, GMAC 224.96 CUGGY Erin, PCSC 226.10 OUELLETTE AIEX, PSW 226.80 BIRDSALL Allison, PSW 227.70 MULLIGAN Mariah, PSW 227.70 MULLIGAN MARIAH, PSW 230.50 KEMERI Anna, UCSC 232.84 MARCHUK Lyndi, FDCSC 234.11 ENSING Alexandra, CHENA 234.20 LIFE Sandra PSW 62) 63) 64) 2:34.20 LEE Sandra,PSW 2:34.23 HO Katelin, CHENA 2:38.85 RIZKALLA Jessica,UCSC 2:39.00 DAISLEY Christina,LOSC 2:40.30 KORPATCH Rachel,PSW 65) 66) 67) 68) 69) 2:45.80 SHIPPIT Kaley,PSW 2:49.80 CROSS KIHS Charlotte,GMAC 2:52.87 MROZ Ella,USC 2:53.90 PRANGE Emma,PSW 70) 71) 72) 73) 74) 2:55.80 TADROS Katrina, LOSC 2:56.26 CWYNAR Laurenne,USC 3:02.02 CUMMINGS Rachael,USC 3:16.50 CANDRAY Ashley,EKSC 3:19.76 XIE Cherry,CHENA 79 3:22.85 ALL Amira CDSC 3:55.65 REBEL Carmen,EKSC 4:30.00 McIVER Kara,LOSC 4:43.90 SCHOWALTER Glenna,EKSC

GIRLS 9 - 200 IND. MEDLEY 
 Biblis 9 - ZUU IND. MEDLEY

 Rec: 2:50.84 Leslie Dowson,WISC,88

 1) 3:12.36 MISURELLI Jennifer,UCSC

 2) 3:13.22 McGREGOR Ashley,PCSC

 3) 3:16.57 KREMER Lori,OSC

 4) 3:21.99 VRIONIS Valerie,PCSC
 3:21.99 VHIONIS Valerie, PCSC 3:22.45 CENTOMO Kylla, PCSC 3:24.79 DA SILVA Martina, CDSC 3:24.80 ALCORN Catherine, RDCSC 3:25.95 WEI Quennie, UCSC 3:27.06 ALLARDYCE Jamie-Lee, PCSC 3:27.06 ALLAHDYCE Jamie-Lee,PC 3:28.25 BEVERIDGE Allison,UCSC 3:28.42 SMID Grace,WVOSC 3:28.46 McMULLEN Olivia,PCSC 3:29.42 GAGNIER Marla,PCSC 3:36.95 MacLEOD Kari,UCSC 3:37.19 CANTY-CURRIE Roxan,PCSC 3:37.50 LAW Krista,RAPID 3:41.80 DAY Anne,RAPID 3:41.98 BAKKEN Alyssa,PCS 3.41.96 BARNEN HIJSSA,FCS 3.42.24 SZE Laura,CDSC 3.44.00 RUEL Marie-Anne,PCSC 3.46.40 PRITCHARD Mara,LAC 3.46.47 MAKI Sabrina,RDCSC 3.46.95 PARSONS Caroline,PCSC 3:47.30 HARTLEY JESSICA,LAC 3:50.20 ROSATO Laura,LAC 3:50.70 McCLEOD Katie,PCSC 3:53.89 HILLDEBRAND Alyssa,UCSC 3:54.70 CHOW Linda,NYAC 24

3:55.25 KRYSCHUK Michelle,UCSC

30   3.57.90 CREPNIAM Catherine PSW   31   5.58.22 PHILLIPS (restin OSC   51   82.87 MARTIN Merica, RINC)   33   55.90 McCORD Medison, RAPID   53   82.82 MARTIN Merica, RINC)   53   83.28 MARTIN Merica, RINC)   53   83.28 MARTIN Merica, RINC)   53   83.28 MARTIN Claire Will School	27   13:15-42   PHILLIPS Ryan, JUGSC	45) 32-58.40 WHITE Reid, EKSC 46) 33-07.85 HUYNH I Wan, CDSC 47) 33-26.86 KUNEN AV; PCS 48) 33-36.80 LEE HENRY, PSW 49) 33-40.56 WOODS Brandon, CHENA 50) 33-41.15 WILLIAMS Nicholas, WOSC 513 42-22.02 CHUAI DAINAI, UCSC 52) 34-26.30 ROTH Aiden, PCS 53 35-08.92 PETTCOVICY, Aliosa, CHENA 54) 36-46.00 REHBERGE Steven, LOSC 55) 37-10.70 DRAYCOTT Hayden, LOSC 56) 37-15.60 WAGNER DYIAN, WDSC 57) 38-06.00 JOHNSON CURIS, LOSC 58) 42-20.13 MALESEVIC Vokislav, CDSC 59) 42-26.81 OLIUIC kand, CDSC 60) 44-00.39 HILL Takumi, DELTA 61) 45-09.60 BALIMESTER Blake, PSW 62) 45-35.40 KLASSEN Spencer, PSW 63) 46-22.05 FREEMAN Revin, PSW 64) 48-45.10 WOO Erazo, PSW 65) 49-02.61 FORGHANI Arya, PCS 66) 49-02.61 FORGHANI Arya, PCS 66) 49-02.61 FORGHANI Arya, PCS 66) 49-02.61 FORGHANI Arya, PCS 67) 59-58.77 BARRATT Cole, PCS 68) 60:00-12 FORD TOMY, PSW  80YS 78.U - 100 IND, MEDLEY 8ec: 1.29.77 Andrew Bignell, SSMAC, 91 1) 15-61.3 ZHOU Exan, CDSC 2) 2-39.70 MILLENOVIC Milos, PSW 3) 24-14.80 PIETRZAK MISCHAN, PSW 4) 24-20.00 KLASSEN COIL, LOSC 5) 24-29.90 ALLEN Mattiew, GMAC 6) 24-72.50 OTONNELL Devon, PCSC 7) 2-49.30 KYIRONG Chendan, PSW 8) 25-40.00 STELITING Ethan, LOSC 9) 2-54-70 GOSSAL Jaetien, CDSC 10) 2-55-90 HARPER Sam, GMAC 11) 2-57-90 STRILIVE Brendan, PSW 12, 259-70 KRIG David, GMAC 13) 303.00 RYOO Andy, LOSC 14) 31-31 SHAW Gavin, CDSC 19) 3-38 KHAW Gavin, CDSC 19) 3-39 SASSI Sherill, PCSC 20) 3-39 SASSI Sherill, PCSC 21) 3-41 MITE Ethan, LOSC 22) 3-42.10 ANDERSON Trysten, WDSC 24) 3-50 STRILIVE Brendan, PSW 24-100 MADRIAN BRONG CAMPONIC COIL 21, 3-11 MAINE ETHANIC PARKER, PSW 19) 338.25 WONG Cameron, LICSC 20) 3-45.50 MARPER Sam, GMAC 11) 2-57-90 STRILIVE Brendan, PSW 22-59-70 KRIG David, GMAC 23) 3-44.56 TRASHER KHARIN, WDSC 24) 3-50.09 MATHELSON, COSC 24) 3-50.09 MATHELSON, COSC 25) 3-50.52 VOCK Liam, WDSC 26) 3-50.52 VOCK Liam, WDSC 27) 3-60.00 MARTHESON Beau, WDSC 28) 3-60.00 MARTHESON Beau, WDSC 29) 3-60.00 MARTHESON BEAU, MDSC 20) 3-60.00 MARTHESON BEAU, MDSC 21) 3-14.90 MARRAN BIG, LOSC 21) 3-14.90 MARRAN BIG, LOSC 21) 3-	22) 3:47.88 RDY Cameron, PCSC 23) 3:48.60 SPRINGER Craip, LAC 24) 3:48.60 SPRINGER Craip, LAC 24) 3:48.60 SPRINGER Craip, LAC 25) 3:49.20 SMITH Martin, NYAC 26) 3:56.67 WILEY Evan, PCSC 27) 3:57.00 LEE Chartes, LOSC 28) 4:02.00 WARD Andrew, PCSC 29) 4:03.08 BLACKMONE Glyan, OSC 30) 4:03.03 JAMSON Colin, PCSC 31) 4:04.09 FERGUSON Duncan, CDSC 32) 4:07.01 ZANATTA Keegan, PCS 33) 4:09.18 CORBETT Dylan, LUCSC 35) 4:11.22 MENDOCA Justin, PCSC 36) 4:11.23 MENDOCA Justin, PCSC 37) 4:18.30 DICECCO Andrew, LAC 38) 4:22.01 SIJR BILLOSC 39) 4:23.01 PEDDIE Luke, OSC 40) 4:28.63 GODLEY Darren, OSC 41) 4:28.63 GODLEY Darren, OSC 42) 4:33.21 ROTH Aiden, PCSC 43) 4:41.96 LUI David, CDSC 44) 4:42.67 YOUNG Ben, PCS 45) 4:42.67 YOUNG Ben, PCS 46) 4:42.68 ARNOER REWN, CHENA 47) 4:45.20 RUTLEDGE Ryan, USC 48) 4:42.0 RUTLEDGE Ryan, USC 49) 4:52 L2 HAMILTON Brandon, CHENA 50) 4:57.05 CHEN Austin, CDSC 51) 1:58 18 PURCHASE Sam, WYOSC 52) 5:00.47 WILLIAMS Brendon, UCSC 53) 5:01.34 STEFOPOULOS Michael, USC 54) 5:05.00 McLEAN Ryan, COSC 55) 5:12.52 JJOHNSON Cody, WDSC 57) 5:14.13 MITHAI Imran, CHENA 58) 5:20.11 MONK Braden, LOSC 59) 5:33.42 SMITHAI Michael, USCS 60) 5:40.54 OSC 61) 5:51.27 BENNETT Stanley, UCSC 62) 6:15.25 ONALING, PSC 63) 6:49.33 BAYLISS Ricky, UCSC 64) 6:49.33 BAYLISS Ricky, UCSC 65) 6:15.40 DAISON Cody, WDSC 67) 7:15.52 SONTAG Jonathan, WDSC 68) 6:49.33 BAYLISS Ricky, UCSC 69) 6:49.30 BAYLISS Ricky, UCSC 60) 6:40.50 ASIMAKIS Vasili, LOSC 61) 6:51.67 DORALDSON LOSC 62) 6:15.60 DAILEN MIDSC 63) 6:30 WSD HORNO, PCSC 64) 6:37.48 BENNETT Stanley, UCSC 65) 6:15.50 DAILEN MIDSC 66) 6:57.60 BAILEY Pray, PSW 67) 7:15.52 SONTAG Jonathan, WDSC 68) 6:49.33 BAYLISS Ricky, UCSC 69) 6:49.39 BAYLISS Ricky, UCSC 69) 6:40.50 SAIMANIS Vasili, LOSC 61) 6:10-10 JOHN MEDLEY 62) 6:40 AND REMORE PROWN LOSC 63) 6:41.39 PCARLENGER RICKS 64) 6:40.50 SAIMANIS PSW 67) 7:15.52 SONTAG JONAL PCSC 68) 6:47.40 BARDING GRANAT CAY 68) 7:58.71 TORALD JONAL PCSC 69) 6:43.79 BARDING JONAL PCSC 60) 6:40.79 BARDING JONAL PCSC 61) 6:41.50 JOHN JONAL PCSC 61)

# **World Long Course Records**

MEN'S EV	ENTS		WOMEN'S EVENTS
50 free	21.64	Alexander Popov,RUS Moscow,Jun 16,2000	50 free 24.13 Inge de Bruijn,NED Sydney,Sep 22,2000
100 free	47.84	Pieter van den Hoogenband, NED Sydney, Sep 19,2000	100 free 53.77 Inge de Bruijn,NED Sydney,Sep 20,2000
		0:23.16	0:25.81
200 free	1:44.06	lan Thorpe, AUS Fukuoka, Jul 25, 2001	200 free 1:56.64 Franziska van Almsick,GER Berlin,Aug 3,2002
		0:24.81 0:51.45 1:18.26 1:44.06	0:27.14 0:56.27 1:26.33 1:56.64
400 free	3:40.08	lan Thorpe, AUS Manchester, Jul 30, 2002	400 free 4:03.85 Janet Evans,USA Seoul,Sep.22,1988
			0:59.99 2:02.14 3:03.40 4:03.85
800 free	7:39.16	lan Thorpe,AUS Fukuoka,Jul 24,2001	800 free 8:16.22 Janet Evans, USA Tokyo, Aug. 20, 1989
		0:55.02 1:52.93 2:51.65 3:50.54	1:00.20 2:02.53 3:05.12 4:07.92
		4:49.43 5:48.66 6:45.93 7:39.16	5:10.27 6:12.82 7:15.44 8:16.22
1500 free	14:34.56	Grant Hackett, AUS Fukuoka, Jul 29, 2001	1500 free 15:52.10 Janet Evans, USA Orlando, Mar. 26, 1988
		0:54.19 1:52.45 2:51.29 3:50.18	1:01.17 2:04.46 3:08.04 4:11.70
		4:48.82 5:47.45 6:45.96 7:44.47	5:15.37 6:19.09 7:22.72 8:26.52
		8:43.05 9:41.78 10:40.56 11:39.51	9:30.26 10:34.25 11:38.09 12:42.00
E0 book	24.00	12:38.51 13:37.89 14:34.56	13:45.95 14:49.76 15:52.10
50 back 100 back		Lenny Krayzelburg,USA Sydney,Aug 28,1999 Lenny Krayzelburg,USA Sydney,Aug 24,1999	50 back 28.25 Sandra Volker, GER Berlin, Jun 17, 2000 100 back 59.58 Natalie Coughlin.USA Ft.Lauderdale.Aug 13.2002
TOO DACK	33.00	0:25.97	100 back 59.58 Natalie Coughlin,USA Ft.Lauderdale,Aug 13,2002
200 hack	1.55 15	Aaron Peirsol, USA Minneapolis, Mar 20, 2002	200 back 2:06.62 Krisztina Egerszegi, HUN Athens, Aug.25,1991
200 Baok	1.00.10	0:27.75 0:56.60 1:25.70 1:55.15	0:30.55 1:02.34 1:34.79 2:06.62
50 breast	27 18	Oleg Lisogor, UKR Berlin, Aug 2,2002	50 breast 30.57 Zoe Baker,GBR Manchester,Jul 30,2002
100 breas		Roman Sloudnov, RUS Fukuoka, Jul 23, 2001	100 breast 1:06.52 Penelope Heyns, RSA Sydney, Aug 23,1999
100 1110110		28.49	0:31.16
200 breas	t 2:09.97	Kosuke Kitajima, JPN Busan, Oct 2,2002	200 breast 2:22.99 Hui Qi,CHN Hangzhou,Apr 13,2001
		0:29.72 1:02.61 1:36.05 2:09.97	0:33.37 1:10.00 1:46.64 2:22.99
50 fly	23.44	Geoff Huegill, AUS Fukuoka, Jul 27, 2001	50 fly 25.57 Anna-Karin Kammerling, SWE Berlin, Jul 30, 2002
100 fly	51.81	Michael Klim, AUS Canberra, Dec 12,1999	100 fly 56.61 Inge de Bruijn,NED Sydney,Sep 17,2000
		0:24.49	0:26.67
200 fly	1:54.58	Michael Phelps, USA Fukuoka, Jul 24, 2001	200 fly 2:05.78 Otylia Jedrzejczak,POL Berlin,Aug 4,2002
		0:25.64 0:54.81 1:24.71 1:54.58	0:28.79 1:00.79 1:33.14 2:05.78
200 IM	1:58.16	Jani Sievinen,FIN Rome,Sep.11,1994	200 IM 2:09.72 Yanyan Wu,CHN Shanghai,Oct.17,1997
		0:26.17 0:56.61 1:30.03 1:58.16	0:28.81 1:01.91 1:39.44 2:09.72
400 IM	4:11.09	Michael Phelps, USA Ft. Lauderdale, Aug 15.2002	400 IM 4:33.59 Yana Klochkova,UKR Sydney,Sep 16, 2000
		0:55.97 1:59.38 3:13.14 4:11.09	1:01.62 2:11.30 3:30.63 4:33.59
4 400 115			4 400 MP 0 70 00 H H 10 10 1 10 10
4X1UU IVIH	3:33.48	United States, USA Yokohama, Aug 29, 2002	4x100 MR 3:58.30 United States, USA Sydney, Sep 23,2000
		Aaron Peirsol, Brendan Hansen, Michael Phelps, Jason Lezak 0:54.17 1:54.31 2:45.44 3:33.48	Barbara Bedford, Megan Quann, Jenny Thomson, Dara Torres
		1:00.14 0:51.13 0:48.04	1:01.39 2:07.68 3:04.93 3:58.30 0:57.25 0:53.37
/v100 ED	2.12 67	Australia, AUS Sydney, Sep 16,2000	4x100 FR 3:36.00 Germany, GER Berlin, Jul 26, 2002
42100111	J. 1J.U1	Michael Klim, Chris Fydler, Ashley Callus, Ian Thorpe	Katrin Meissner, Petra Dalmmann, Sandra Volker, Franziska van Almsick
		0:48.18 1:36.66 2:25.37 3:13.67	0:54.82 1:48.77 2:42.36 3:36.00
		0:48.48 0:48.71 0:48.30	0:53.95 0:53.59 0:53.64
4x200 FR	7:04.66	Australia, AUS Fukuoka, Jul 27, 2001	4x200 FR 7:55.47 German Dem.Republic,GDR Strasbourg,Aug.18,1987
		Grant Hackett, Michael Klim, William Kirby, Ian Thorpe	Manuela Stellmach, Astrid Strauss, Anke Mohring, Heike Friedrich
		1:46.11 3:32.60 5:20.52 7:04.66	2:00.23 3:59.13 5:57.86 7:55.47
		1:46.49 1:47.92 1:44.14	1:58.90 1:58.73 1:57.61
			I

# **Canadian Long Course Records**

MEN'S EVE	NTS			WOMEN'S I	EVENTS		
50 free	22.81	Mark Andrews, UNATT	Indianapolis,Apr.10,1988	50 free	25.78	Laura Nicholls,ROW	Yokahama, Aug 27,2002
	e22.81	Yannick Lupien, CNCB	Yokohama, Aug 26,2002	100 free	55.69	Laura Nicholls,ROW	Montreal, Jun 30,2001
100 free	49.53	Brent Hayden,UBCD	Yokohama, Aug 28,2002			0:27.00	
		0:24.03		200 free	1:59.85	Marianne Limpert,PDSA	Sydney, Sep 20,2000
200 free	1:48.26	Rick Say, UCSA	Yokohama, Aug 26,2002			0:27.88  0:58.07  1:28.56	
		0:25.26 0:52.84 1:20.79		400 free	4:12.64	Joanne Malar, UCSC	Winnipeg, Aug 4,1999
400 free	3:49.99	Rick Say,IS	Montreal, May 28,2000			1:00.49 2:04.37 3:08.82	
000 6-00	0.00.00	0:54.81 1:53.56 2:52.46		800 free	8:36.24	Debbie Wurzburger,LAC	Seoul, Sep. 23, 1988
800 free	8:00.22	<b>Chris Bowie, EKSC</b> 0:58.75 1:59.19 2:59.73	Etobicoke, Aug. 2,1990			1:03.35 2:08.02 3:12.61 5:22.69 6:27.67 7:32.33	4:17.70
		4:59.59 5:59.89 7:00.75		1500 froo	16:27 5/	Brittany Reimer, SKSC	Sidney,Jan 9,2003
1500 free	15:12 63	Harry Taylor, EKSC	Auckland, Jan. 30, 1990	1000 1166	10.07.04	-	4:24.24
100000		0:59.51 2:00.55 3:01.53				5:31.12 6:37.75 7:44.46	
		5:04.34 6:05.97 7:07.42				9:58.10 11:04.98 12:12.04	
		9:09.35 10:10.53 11:11.5	0 12:12.54			14:26.06 15:33.01 16:37.54	
		13:13.88 14:14.67 15:12.6	53				
50 back		Riley Janes,ESWIM	Victoria, Aug 10,2002	50 back		Jennifer Carroll,MAA	Winnipeg,Mar 20,2002
100 back	53.98	Mark Tewksbury, UCSC	Barcelona,Jul.30,1992	100 back	1:02.14	Kelly Stefanyshyn,PDSA	Winnipeg,Aug.4,1999
	4 = 0 = 0	0:26.39	V			0:30.88	F. I.
200 back	1:59.35	Keith Beavers, ROW	Yokohama, Aug 28, 2002	200 back	2:11.16	Jennifer Fratesi, ROW	Fukuoka, Jul 26, 2001
En hronot	20.22	0:28.92 0:59.12 1:29.81		50 breast	21 72	0:31.66 1:05.17 1:38.58 <b>Rhiannon Leier,MM</b>	Calgary, Mar 7,2003
50 breast		Morgan Knabe, UCSA Morgan Knabe, UCSA	Fukuoka,Jul 28,2001 Winnipeg,Mar 21,2002			Lauren van Oosten,NRST	• • • • • • • • • • • • • • • • • • • •
וטט טוכמטנ	1.00.55	0:28.71	willinpeg,mai 21,2002	100 nicasi	1.00.00	0:32.68	r 61tii, Jan. 13, 1390
200 breast	2:12.87	Michael Brown, PERTH	Yokohama, Aug 27,2002	200 breast	2:27.27	Allison Higson, EPS	Montreal, May 29, 1988
		0:30.98 1:05.06 1:38.43				0:32.77 1:09.80 1:48.04	
50 fly	24.15	Michael Mintenko, UBCD	Manchester, Aug 1,2002	50 fly	27.17	Shona Kitson,OSC	Winnipeg,4 Aug 2000
100 fly	52.44	Michael Mintenko, UBCD	Minneapolis, Dec 6,2002	100 fly	59.68	Jennifer Button,ROW	Yokohama, Aug 25, 2002
		0:24.56				0:28.23	
200 fly	1:58.08	Shamek Pietucha, UCSC	Montreal, May 30,2000	200 fly	2:09.64	Jessica Deglau,PDSA	Winnipeg,Aug.7,1999
000 184	0.00.00	0:26.77 0:56.90 1:27.13		000 184	0.40.44	0:29.61 1:02.14 1:35.29	
200 IM	2:00.38	<b>Curtis Myden, UCSC</b> 0:26.37 0:57.58 1:31.32	New York, July 31, 1998	200 IM	2:13.44	<b>Marianne Limpert, PDSA</b> 0:28.89 1:02.80 1:41.87	Sydney, Sep 19,2000
400 IM	A-15 22	Curtis Myden, CAN	Sydney, Sep 17,2000	400 IM	1.38 16	Joanne Malar, UCSC	Winnipeg, Aug. 2, 1999
400 1111	4.10.00	0:58.01 2:04.92 3:16.53		400 1111	4.00.40	1:03.47 2:14.75 3:33.38	
Relay reco	rds	0.00.01 2.01.02 0.10.00		Relay reco	rds	1.00.11 2.11.10 0.00.00	1.00.10
_		Pan Pacific Team	Yokohama, Aug 29,2002	_		Pan Pacific Team	Yokohama, Aug 29,2002
		Riley Janes, Michael Brown, I	Michael Mintenko, Brent Hayden			Erin Gammel, Rhiannon Leier	, Jennifer Button, Laura Nicholls
		0:56.07 1:57.68 2:49.59	3:38.17			1:02.32 2:11.54 310.70	4:05.69
		1:01.61 0:51.91				1:09.22 0:59.16	
4x100 FR	3:17.69	Pan Pacific Team	Yokohama, Aug 24,2002	4x100 FR	3:42.92	Olympic Team	Sydney, Sep 16,2000
			tenko, Rick Say, Brent Hayden				espeare, Laura Nicholls, Jessica Deglau
		0:49.90 1:39.56 2:29.29				0:56.32 1:51.42 2:46.72 0:55.10 0:55.30	
/1v200 FR	7.17 17	0:49.76 0:49.73 <b>Commonwealth Team</b>	Manchester, Aug 1,2002	/v200 FR	8.02 65	Olympic Team	Sydney, Sep 20,2000
47200 111	7.17.17	Rick Say, Brian Johns, Mark		47200111	0.02.03		kespeare, Joanne Malar, Jessica Deglau
		Thok day, briair doinid, iwan c	offination, who had a wintering			1:59.85 4:01.63 6:02.13	
						2:01.78 2:00.50	
Club relay	records			Club relay	records		
4x50 MR		Calgary Swimming	Etobicoke, Aug. 6.1998	4x50 MR	1:56.44	University of Calgary SC	Edmonton, July 28, 1993
4x100 MR	3:42.44	University of Calgary SC	Etobicoke, Aug. 4, 1990	4x100 MR	4:12.93	Canadian Kodiac SC	Etobicoke, Aug. 9, 1998
4x50 FR		Pacific Dolphins	Victoria,Mar.17,1999	4x50 FR		Etobicoke Pepsi	Calgary,Aug.2,1989
4x100 FR		North York Aquatic Club	Calgary,Jul.24,1987	4x100 FR		Region of Waterloo	Etobicoke,Mar 10,2000
4x200 FR	7:29.61	University of Calgary SC	Etobicoke,Aug.18,1988	4x200 FR	8:12.36	Pacific Dolphin SA	Victoria,Mar 19,1999

# **World Short Course Records**

MEN'S EVE	NTS			WOMEN'S	EVENTS		
50 free 100 free		• •	Paris,Jan 28,2001 Gelsenkirchen,Mar.19,1994	50 free 100 free		Therese Alshammar,SWE Therese Alshammar,SWE	Athens,Mar 18,2000 Athens,Mar 17,2000
000 4	4.44.40	0:22.70	Davida Fab C 0000			0:24.81	
200 free	1:41.10	lan Thorpe, AUS	Berlin, Feb 6,2000	200 free	1:54.04	Lindsay Benko, USA	Moscow,Apr 7,2002
400 free	2.24 50	0:24.04 0:49.73 1:15.43 1:4 <b>Grant Hackett, AUS</b>	Sydney, Jul 18,2002	400 fron	2.50 52	0:27.26 0:56.14 1:25.25 1:54.04	Dorlin Ion 26 2002
400 1166	3.34.30	0:51.35 1:45.40 2:40.25 3:3	• • •	400 free	ა.ეყ.ეა	<b>Lindsay Benko, USA</b> 0:58.48 1:59.16 2:59.91 3:59.53	Berlin,Jan 26,2003
800 free	7:25 28	Grant Hackett, AUS	Perth, Aug 3,2001	800 free	Q·1/1 35	Sachiko Yamada, JPN	Tokyo,Apr 2,2002
000 1100	7.20.20	0:52.68 1:48.78 2:45.19 3:4	. • .	000 1166	0.14.33	Saciliko Talilaua, Jr N	10ky0,Ap1 2,2002
		4:38.33 5:35.01 6:30.91 7:29		1500 free	15:43 31	Petra Schneider, GDR G	ainesville,Jan.10,1982
1500 free 1	14:10.10	Grant Hackett, AUS	Perth, Aug 8,2001	1000 1100	10.40.01	1:00.63 2:04.60 3:07.66 4:10.9	
			:43.19			5:14.04 6:17.05 7:19.98 8:22.9	
		4:40.13 5:37.00 6:34.11 7	:31.36			9:25.98 10:28.76 11:31.61 12:34.4	
		8:28.45 9:25.73 10:22.90 11	:20.05			13:37.69 14:40.98 14:43.31	
		12:17.11 13:14.02 14:10.10		50 back	26.83	Hui Li,CHN	Shanghai, Dec 2,2001
50 back	*23.23	Thomas Rupprath,GER	Goslar, Dec 1,2002	100 back	56.71	Natalie Coughlin, USA Eas	t Meadow,Nov 23,2002
100 back	50.58	Thomas Rupprath,GER	Melbourne, Dec 8,2002			0:27.50	
		0:24.31		200 back	2:03.62	Natalie Coughlin, USA Eas	t Meadow,Nov 27,2001
200 back	1:51.17	Aaron Piersol,USA	Moscow,Apr 2002			0:29.49 1:00.96 1:32.70 2:03.62	
		0:26.46 0:54.48 1:22.64 1:5		50 breast		Emma Igelstrom,SWE	Moscow,Apr 4,2002
50 breast		Oleg Lisogor,UKR	Berlin, Jan 26, 2002	100 breast	1:05.38	Emma Igelstrom,SWE	Moscow,Apr 6,2002
100 breast	57.47	Ed Moses,USA	Stockholm,Jan 23,2002			0:30.83	_
000 has a set	0.00 47	0:27.05	Daulin Jan 00 0000	200 breast	*2:18.86	Hui Qi,CHN	Shanghai,Dec 2,2002
200 breast	2:03.17	<b>Ed Moses, USA</b> 0:27.92 9:58.77 1:30.73 2:03	Berlin, Jan 26, 2002			0:31.82 1:06.84 1:42.79 2:18.86	
50 fly	22 74	Geoff Huegill, AUS	Berlin,Jan 26,2002	50 fly		•	Stockholm, Jan 25, 2001
100 fly		Thomas Rupprath,GER	Berlin, Jan 27, 2002	100 fly	50.34	Natalie Coughlin, USA Eas 0:27.00	t Meadow,Nov 22,2002
100 Hy	30.10	0:23.33	Derini, 3an 27, 2002	200 fly	2:0/ 16	Susan O'Neill, AUS	Sydney,Jan 18,2000
200 fly '	*1:50.73	Franck Esposito, FRA	Antibes, Dec 8,2002	200 Hy	2.04.10	0:28.63 1:00.18 1:32.01	Oyuncy, Juli 10,2000
		0:24.73 0:52.79 1:21.35 1:5	· ·	100 IM	58.80		t Meadow,Nov 23,2002
100 IM	52.58	Thomas Rupprath,GER	Berlin,Jan 25,2003	200 IM		Allison Wagner, USA	Palma, Dec. 5, 1993
200 IM	1:54.65	Jani Sievinen, FIN	Kuopio, Jan.21,1994			0:28.40 1:01.65 1:37.68 2:07.79	, ,
		0:25.92 0:55.08 1:27.88 1:5	4.65	400 IM	4:27.83	Yana Klochkova,UKR	Paris, Jan 19,2002
	e1:54.65	Attila Czene,HUN	Minneapolis,Mar 23,2000			1:01.71 2:09.20 3:26.97 4:27.83	
		0:25.34 0:53.84 1:26.93 1:5	4.65				
400 IM 3	*4:02.72	Brian Johns,CAN	Victoria,Feb 21,2003	4X50 MR	1:48.31	Sweden,SWE	Valencia, Dec 16,2000
		0.55.88 1:57.78 3:06.55 4:00	2.72			Therese Alshammar, Emma Igelstrom, Anna K	
4.50.000	4 0 4 70	0	D' D 40 0000	4x100 MR	3:55.78	Sweden,SWE	Moscow, Apr 5,2002
4x50 MR	1:34.72	Germany, GER	Riesa, Dec 12,2002			Therese Alshammar, Emma Igelstrom, Anna K.	Kammerling, Johanna Sjoberg
4v100 MD	2,20 12	Stev Theloke, Jens Kruppa, Thom <b>Australia, AUS</b>				1:00.74 2:05.64 3:02.76 3:55.78	
4X I UU IVIN	3.20.12	Matt Welsh, Jim Piper, Geoff Hue	Melbourne, Sep 4,2002	AVEN ED	1.20 21	1:00.74 1:04.90 0:57.12 0:53.12	Valancia Dec 15 2000
		0:50.95 1:50.39 2:41.00 3:2i	-	4X3U FK	1:30.21	Sweden, SWE	Valencia, Dec 15,2000
		0:59.44 0:50.61 0:4		/v100 ED	2:24 55	Annica Lofstedt, Therese Alshammar, Johanna China, CHN	Goteborg, Apr 19,1997
4x50 FR*	1.25 87	United States	East Meadow,Oct 20,2001	42100111	3.34.33	Jingyi Le, Na Chao, Ying Shan, Yin Nia	• • •
1,00111		Aaron Ciarla, Nate Dusing, Neil W	· ·			0:53.32 1:48.05 2:41.60 3:34.55	111
4x100 FR	3:09.57	Sweden, SWE	Athens, Mar 16, 2000			0:53.32 0:54.73 0:53.55 0:52.95	
		Johan Nystrom, Lars Frolander, M		4x200 FR	7:46.30	China, CHN	Moscow,Apr 4,2002
		0:49.04 1:34.73 2:22.60 3:09	•			Yanwei Xu, Yingwen Zhu, Jingzhi Tang	
		0:45.69 0:47.87 0:4	6.97			1:55.73 3:52.77 5:51.14 7:46.30	· ·
4x200 FR	6:56.41	Australia, AUS	Perth, Aug 7,2001			1:55.73 1:57.04 1:58.37 1:55.16	
		William Kirby, Ian Thorpe, Michael	el Klim, Grant Hackett				
		1:44.97 1:42.63 1:45.55 1:45	3.26	* = pending	FINA ratif	ication	
22						SWIMNEWS / .IANI	JARY-FEBRUARY 2003

# **Canadian Short Course Records**

MEN'S EVE	NTS			WOMEN'S	EVENTS		
50 free	22.15	Ryan Laurin, WVOSC	Edmonton, Nov. 28, 1998	50 free	25.14	Nadine Rolland, CAMO Co	ollege Park,Nov 15,2000
100 free	48.42	Yannick Lupien, CNCB	Edmonton, Dec 1,2002	100 free	54.75	Shannon Shakespeare,MM	Buffalo, Dec.3,1994
						0:26.61	
200 free	1:44.40	Rick Say, UCSA	Stockholm,Jan 23,2002	200 free	1:56.53	Sophie Simard,UL	Sainte-Foy.Jan 27,2002
		0:25.25  0:51.59  1:18.18  1:44.40	)			0:27.53  0:57.12  1:26.47  1:56.53	
400 free	3:41.99	Rick Say, UCSA	Stockholm,Jan 22,2002	400 free	4:06.48	Sophie Simard,UL	Sainte-Foy,Jan 26,2002
		0:54.03 1:49.69 2:46.28 3:41.99	)			0:59.29 2:02.38 3:05.23 4:06.48	
800 free	7:47.07	Gary VanderMeulen,UCSC	Bonn,Feb.9,1990	800 free	8:30.86	Lindsay Beavers, STARS	Nepean, Feb 19,2000
		0:56.18 1:54.90 2:52.63 3:51.70	)			1:01.15 2:05.20 3:09.18 4:13.69	
		4:50.54 5:49.69 6:49.27 7:47.07	7			5:18.24 6:23.14 7:28.23	
1500 free	14:52.32	Turlough O'Hare,UBC	Montreal, March 9,1992	1500 free	16:09.32	Debbie Wurzburger,EKSC	Montreal,Jan.28,1989
		1:56.56 3:56.09 5:56.09 7:56.2	1			1:03.91 2:09.82 3:15.53 4:20.97	
		9:56.01 11:56.12 13:56.15 14:52	.32			5:26.10 6:31.19 7:36.12 8:40.92	
						9:45.37 10:49.86 11:54.13 12:58.54	
50 back	23.90	Riley Janes, ESWIM N	linneapolis,Mar 23,2000			14:02.76 15:06,55	
100 back	52.18	Riley Janes, ESWIM N	linneapolis,Mar 24,2000	50 back	27.26	Jennifer Carroll,CAMO	Berlin, Jan 26, 2002
		0:24.77		100 back	59.33	Marylyn Chiang,ESWIM	Athens, Mar 17, 2000
200 back	1:54.01	Chris Renaud, UCSC	Halifax,Feb.22,1997			0:29.05	
		0:26.82 0:55.71 1:24.79 1:54.01		200 back	2:07.73	Jennifer Fratesi,ROW	Edmonton, Nov 23, 2001
50 breast	27.57	Morgan Knabe, UCSC	Hong Kong, Apr 1,1999			0:30.95 1:03.29 1:35.46 2:07.73	
100 breast		Morgan Knabe, UCSA	Paris, Jan 19,2002	50 breast	31.50	Keltie Duggan,EKSC	Saskatoon, Mar 2, 1990
		0:28.15		100 breast		Rhiannon Leier,MM	Berlin, Jan 25, 2003
200 breast	2:07.15	Morgan Knabe, UCSA	Stockholm, Jan 22, 2002			0:31.99	, ,,
		0:29.09 1:01.07 1:33.91 2:07.15		200 breast	2:25.69	Nancy Sweetnam, LU	Toronto, Mar. 6, 1993
50 fly	23.57	Michael Mintenko, UBCD	Stockholm,Jan 21,2003			0:34.40 1:12.15 1:48.62 2:25.69	
100 fly		Michael Mintenko, UBCD	Moscow, Apr 4,2002	50 fly	27.00	Nadine Rolland, CAMO	Paris, Jan 28, 2001
,	• • • • • • • • • • • • • • • • • • • •	0:23.93		100 fly		Jennifer Button,ROW	Edmonton, Dec 1,2002
200 fly	1.54 27	Shamek Pietucha, UCSC	Athens, Mar 18, 2000	200 fly		Jennifer Button, ROW	Imperia, Feb 10, 2000
200 my	1.04.27	0:25.76 0:54.57 1:24.17 1:54.27		200 119	2.07.70	January Batton, 110 W	IIIIporiu,i ob 10,2000
100 IM	54 80	Darren Ward, UCSC	Bonn, Mar 16,1991	100 IM	1.00 93	Marianne Limpert,PDSA	Edmonton, Nov 19,2000
200 IM		Brian Johns, UBC	Victoria, Feb 23, 2002	200 IM		Nancy Sweetnam, LU	Toronto, Mar. 7, 1993
200 1111	1.00.20	0:25.76 0:55.18 1:28.98 1:56.23		200 1111	2.10.30	0:29.84 1:02.69 1:39.54 2:10.90	10101110,11101.7,1330
400 IM	<b>√</b> .02 72	Brian Johns, UBC	Victoria,Feb 21,2003	400 IM	4-34 QU	Joanne Malar, HWAC	Hong Kong,Apr 1,1999
400 1111	4.02.72	0:55.88 1:57.78 3:06.55 4:02.72		400 1111	4.04.30	1:03.08 2:13.44 3:31.74 4:34.90	riong Kong,Apr 1,1555
Relay reco	rde	0.55.00 1.57.70 5.00.55 4.02.72	_	Relay reco	rde	1.03.00 2.13.44 3.31.74 4.34.50	
		National Team	Bonn,Feb.14,1988	_		Region of Waterloo,ROW	Edmonton, Dec 1,2002
4XJU WIN	1.39.20		DUIIII,FED. 14, 1900	4X30 WIN	1.00.04	Fratesi, Blackburn, Button, Nicholls	Euiliolitoli,Dec 1,2002
4v400 MD	2.22 07	Tewksbury, Davis, Ponting Gery	Hong Vong Any / 1000	4v400 MD	4.02.00		Edmonton Dog 1 2002
4X I UU IVIN	3.33.97	World Championship Team	Hong Kong,Apr 4,1999	4X 100 WIN	4.02.99	National Selection	Edmonton, Dec 1,2002
Aven ed	1.20 10	Versfeld, Knabe, Pietucha, Lupien University of Calgary SC	Colgony Ech 20 1001	Aven en	1.42 14	Carroll, van Oosten, Button, Limpert	Colgony Ech 20 1001
4x50 FR	1:30.19		Calgary, Feb.20,1991	4x50 FR	1:43.14	University of Calgary Swim Club	Calgary,Feb.20,1991
4400 ED	0.44.44	Li, Ward, VanderMeulen, Tewksbury	Edmonton Dood 0000	4400 ED	0.40.00	Higson, Kuntz, Melien, Nugent	Dia Day 0 4005
4X IUU FK	3:14.14	National Selection	Edmonton, Dec 1,2002	4X IUU FK	3:40.00	World Championship Team	Rio,Dec.2,1995
4 000 50		Lupien, Hayden, Say, Mintenko		4 000 50		Limpert, Shakespeare, Amey, Malar	
4XZUU FR	7:08.02	World Championship Team	Hong Kong,Apr 2,1999	4XZUU FR	7:56.21	World Championship Team	Hong Kong,Apr 1,1999
	_	Johnston, Johns, Say, Lupien			_	Deglau, Nicholls, Brambley, Malar	
Club relay		11.1	11.17. 5 1 00 1005	Club relay		D (W.) . 1 DOW	Election D. 10000
4x50 MR		University of Calgary SC	Halifax,Feb.20,1997	4x50 MR		Region of Waterloo,ROW	Edmonton, Dec 1,2002
4x100 MR		University of Calgary	Winnipeg,Feb.22,1992	4x100 MR		Region of Waterloo,ROW	Edmonton, Nov 30, 2002
4x50 FR		University of Calgary SC	Calgary, Feb. 20, 1991	4x50 FR		University of Calgary Swim Club	Calgary, Feb. 20, 1991
4x100 FR		UBC Dolphins, UBCD	Edmonton, Nov 29,2002	4x100 FR		University of British Columbia	Victoria, Feb 21,2003
4x200 FR	7:13.16	University of British Columbia	Vancouver,Feb 23,2002	4x200 FR	8:01.16	University of British Columbia	Vancouver,Feb 23,2002
CVAZIBABIEVAZO	2 / 14 8 !!	IARV-FERRIJARV 2003					2:

# **Commonwealth Records**

LONG COU	IRSE			SHORT CO	URSE		
MEN'S EV	ENTS			MEN'S EV	ENTS		
50 free	22.04	Roland Schoeman, RSA	Minneapolis, Aug 10, 1999	50 free	21.13	Mark Foster, ENG	Paris, Jan 28, 2001
100 free	48.18	Michael Klim,AUS	Sydney,Sep 16,2000	100 free	46.99	Ashley Callus,AUS	Moscow, Apr 7,2002
200 free	1:44.06	lan Thorpe,AUS	Fukuoka,Jul 25,2001	200 free	1:41.10	lan Thorpe,AUS	Berlin,Feb 6,2000
400 free	3:40.08	lan Thorpe,AUS	Manchester, Jul 30, 2002	400 free	3:34.58	Grant Hackett, AUS	Sydney,Jul 18,2002
800 free	7:39.16	lan Thorpe,AUS	Fukuoka,Jul 24,2001	800 free	7:25.28	Grant Hackett, AUS	Perth, Aug 3,2001
1500 free	14:34.56	Grant Hackett, AUS	Fukuoka,Jul 29,2001	1500 free	14:10.10	Grant Hackett, AUS	Perth, Aug 7,200
50 back	25.49	Matt Welsh, AUS	Fukuoka,Jul 25,2001	50 back	23.31	Matthew Welsh, AUS	Melbourne,Sep 2,2002
100 back	53.98	Mark Tewksbury, CAN	Barcelona, Jul 30, 1992	100 back	50.95	Matthew Welsh, AUS	Melbourne,Sep 4,2002
200 back	1:57.59	Matthew Welsh, AUS	Sydney, Sep 21,2000	200 back	1:51.62	Matthew Welsh, AUS	Melbourne, Oct 13,2000
50 breast	27.51	James Gibson,ENG	Manchester, Apr 13,2002	50 breast	26.85	Darren Mew,ENG	Antwerp, Dec 15,2001
100 breast	1:00.69	James Gibson,GBR	Manchester, Apr 12, 2002	100 breast	58.91	Chris Cook,ENG	Stockholm,Jan 23,2003
200 breast	2:10.88	Jim Piper,AUS	Brisbane,Mar 23,2002	200 breast	2:06.61	Jim Piper,AUS	Stockholm,Jan 22,2002
50 fly	23.44	Geoff Huegill,AUS	Fukuoka,Jul 27,2001	50 fly	22.74	Geoff Huegill,AUS	Berlin,Jan 26,2002
100 fly	51.81	Michael Klim,AUS	Canberra, Dec 12,99	100 fly	50.71	Geoff Huegill,AUS	Melbourne,Dec 9,200
200 fly	1:56.17	Justin Norris,AUS	Sydney,Sep 19,2000	200 fly	1:51.76	James Hickman,GBR	Paris, Mar 28, 1998
200 IM	2:00.26	Matthew Dunn, AUS	Kuala Lumpur, Sep 17,1998	100 IM	54.32	Robert Van der Zant, AUS	Hobart, Jan 20,200
400 IM	4:15.33	Curtis Myden,CAN	Sydney,Sep 17,2000	200 IM	1:55.80	James Hickman,ENG	Paris, Mar. 27, 1998
				400 IM	4:02.72	Brian Johns, CAN	Victoria, Feb 21,2003
4x100 MR	3:34.84	Australia, AUS	Yokohama, Aug 29, 2002				
4x100 FR	3:13.67	Australia, AUS	Sydney,Sep 16,2000	4x100 MR	3:28.12	Australia, AUS	Melbourne,Sep 4,2002
4x200 FR	7:04.66	Australia, AUS	Fukuoka,Jul 27,2001	4x100 FR	3:11.21	Australia, AUS	Hong Kong, Apr 1,1999
				4x200 FR	6:56.41	Australia, AUS	Perth, Aug 7,200
WOMEN'S				WOMEN'S			
50 free	24.68	Alison Sheppard,SCO	Manchester, Aug 2,2002	50 free	24,06	Alison Sheppard,SCO	Berlin,Jan 25,2003
100 free	54.44	Jodie Henry,AUS	Yokohama, Aug 29, 2002	100 free	53.26	Sue Rolph,ENG	Lisbon,Dec 10,1999
200 free	1:57.47	Susan O'Neill,AUS	Sydney, May 15, 2000	200 free	1:55.12	Elka Graham,AUS	Melbourne,Dec 8,2002
400 free	4:06.28	Tracey Wickham,AUS	Berlin, Aug 24, 1978	400 free	4:01.17	Elka Graham,AUS	Melbourne,Dec 7,2002
800 free	8:22.93	Julie McDonald,AUS	Seoul, Sep 24, 1988	800 free	8:17.64	Amanda Pascoe,AUS	Berlin,Jan 26,2002
1500 free	16:04.84	Hayley Lewis, AUS	Kobe, Aug 12, 1993	1500 free	15:52.97	Rebecca Cooke,ENG	Perth, Aug 7,200
50 back	28.68	Dyana Calub,AUS	Hobart,Mar 27,2001	50 back	27.26	Jennifer Carroll,CAN	Berlin,Jan 26,2002
100 back		Sarah Price,ENG	Manchester, Aug 1,2002	100 back		Sarah Price,ENG	Antwerp, Dec 13,200
200 back		Nicole Stevenson, AUS	Barcelona, Jul 31, 1993	200 back		Sarah Price,ENG	Perth, Aug 6,200
50 breast		Zoe Baker,ENG	Manchester, Jul 30, 2002	50 breast	30.31	Zoe Baker,ENG	Berlin,Jan 27,2002
100 breast		Penelope Heyns,RSA	Sydney,Aug 23,1999	100 breast	1:05.40	Penelope Heyns,RSA	Durban, Sep 26, 1999
200 breast		Penelope Heyns,RSA	Sydney, Aug 27, 1999	200 breast	2:20.85	Samantha Riley,AUS	Rio,Dec 1,1995
50 fly		Petria Thomas, AUS	Manchester, Jul 31, 2002	50 fly	26.36	Petria Thomas,AUS	Moscow, Apr 5,200
100 fly			Sydney, May 13, 2000	100 fly	56.93	Petria Thomas,AUS	Melbourne,Sep 5,200
200 fly		Susan O'Neill,AUS	Sydney,May 17,2000	200 fly	2:04.16	Susan O'Neill,AUS	Sydney,Jan 18,200
200 IM		Marianne Limpert, CAN	Sydney,Sep 19,2000	100 IM	1:00.88	Alison Sheppard,SCO	Moscow, Apr 5,2002
400 IM	4:38.46	Joanne Malar,CAN	Winnipeg,Aug.2,99	200 IM	2:10.40	Lori Munz,AUS	Sydney,Jan 17,2000
				400 IM	4:34.90	Joanne Malar,CAN	Hong Kong, Apr 1,1999
4x100 MR			Yokohama, Aug 29, 2002				
4x100 FR	3:39.78	Australia, AUS	Yokohama, Aug 24, 2002	4x100 MR	3:57.70	Australia, AUS	Moscow, Apr 5,200

Sydney, Sep 20,2000

4x200 FR 7:58.52 Australia, AUS

Moscow, Apr 6,2002

Norwich, Aug 10,2001

4x100 FR 3:35.97 Australia,AUS

4x200 FR 7:47.14 England, ENG

### RUPPRATH AND SHEPPARD WIN WORLD CUP

Seven world and 16 World Cup records in 11 events were the final result of the 2002-2003 FINA World Cup.

Thomas Rupprath (GER) was the top male performer. He competed in only three of the seven competitions, one on each of the required continents, and bettered two world and four World Cup records, earning top prize money of \$66,500. He won eight individual events in backstroke, butterfly, and individual medley. One world record was established in the prelims in Melbourne, then in a stunning upset, Rupprath lost the final to Matt Welsh (AUS). Because the record swim was in the prelims, it did not count in the top performance prize. His 100 back in Berlin of 50.76 (1016 points) was the overall top performance.

M	en				
1)	1016	50.76	100 back M	Rupprath Thomas,GER	Berlin
2)	1011	57.97	100 breast M	Sloudnov Roman,RUS	Stockholm
3)	1002	1:43.16	200 free M	vdHoogenband Pieter.NED	Paris

Alison Sheppard (GBR) had the top women's performance in the 50 freestyle. She competed in five competitions, winning four. She also picked up prize money in the 100 freestyle, 50 breaststroke, and 100 individual medley. Her final total was \$58,000, by far her biggest payday ever.

Won	nen				
1)	1014	24.06	50 free W	Alison Sheppard,GBR	Berlin
2)	1013	2:19.85	200 breast W	Igelstrom Emma,SWE	Melbourne
3)	1011	25.42	50 fly W	Kammerling Anna-K,SWE	Stockholm

The greatest single performance was by Natalie Coughlin (USA) at World Cup 2 in East Meadow, Long Island, NY. There she won five individual events and bettered three world records—100 back, 100 fly, and 100 IM. Her best-rated swim was in the 100 fly in 56.34 (1040 points), a virtuoso performance for the ages. She only competed in that one competition. In any case, she is not able to accept prize money while a NCAA student at California (Berkeley).

Pieter van den Hoogenband (NED) won seven events (50, 100, 200, and 400 free) in the five competitions in which he took part, but battled unsuccessfully first Grant Hackett (AUS) 1:42.48 in the 200 free in Melbourne to 1:43.18, and then Ian Thorpe (AUS) in Paris 1:41.86 and Berlin 1:41.69. He did better a European record in Berlin in second with 1:42.45.

After reducing the current World Cup to seven competitions from the previous year (Canada and Italy dropping out), plans for next season include an expansion to five continents, starting with three in November in Korea, Australia, and South Africa. Three meets in January in Europe, and three more in the Americas. Prize money will increase to US\$1,000.000 from just under \$700,000 this year.



Alison Sheppard (GBR) won top prize winning four 50 freestyles, improving with every win

Marco Chiesa

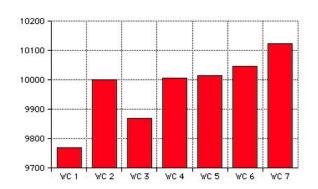


Thomas Rupprath (GER) won nine events, set three world records, and won the top prize

Marco Chies

l	Men's Prize Winners	1st	2nd	3rd	Record	FINA	Total
l					bonus	Prize	
l	Rupprath Thomas,GER	8000	500		8000	50000	66,500
l	Sloudnov Roman,RUS	3000	2000	250		30000	35,250
l	VdHoogenband Pieter,NED	7000	2500			20000	29,500
l	Lisogor Oleg,UKR	12000		500			12,500
l	Hickman James,GBR	9000	3000	250			12,250
l	Foster Mark, GBR	6000	1500				7,500
l	Marchenko Igor,RUS	3000	2000	500			5,500
l	Meolans Jose M.,ARG	4000	1000	500			5,500
l	Coman Dragos,ROM	3000	2000				5,000
l	Lezak Jason,USA	4000	500				4,500
	Thorpe lan,AUS	4000					4,000

	4 1	0 1	0 1	Б	FILLA	T
Women's Prize Winners	1st	2nd	3rd	Record	FINA	Total
				bonus	Prize	
Sheppard Alison,GBR	5000	2500	500		50000	58,000
Igelstrom Emma,SWE	8000				30000	38,000
Benko Lindsay,USA	3000	2000	500	4000	20000	29,500
Coughlin Natalie,USA *	5000			12000		17,000
Klochkova Yana,UKR	11000	500	250			11,750
Moravcova Martina, SVK	8000	500	750			9,250
Alshammar Therese,SWE	5000	2000	500			7,500
Rose Gabriel, USA	2000	3500	1250			6,750
Komisarz Rachel, USA	2000	2500	1500			6,000
Qi Hui,CHN	2000			4000		6,000
Price Sarah,GBR	6000					6,000
* NCAA rules don't all	ow prize	money				



Graph shows total points for top 10 performances at each of the seven World Cups and illustrates how each stage got faster.

#### P MEN'S MEDAL WINNERS

	INA WORLD CUP
50 METRES F	REESTYLE
Rio	21.53 Jose M. Meolans, ARG
East Meadow	21.66 Jason Lezak,USA
Shanghai	21.40 Jason Lezak,USA
Melbourne	21.72 Pieter vdHoogenband,NEI
Paris	21.47 Mark Foster,GBR 21.39 Mark Foster,GBR
Stockholm Berlin	21.28 Mark Foster,GBR
100 METRES	
Rio	47.84 Jose M. Meolans, ARG
East Meadow	47.32 Jason Lezak,USA
Shanghai	48.37 Jose M. Meolans, ARG
Melbourne	47.20 Pieter vdHoogenband,NED
Paris	47.41 Pieter vdHoogenband,NED
Stockholm	47.41 Jason Lezak,USA
Berlin	47.32 Jose M. Meolans, ARG
200 METRES	
Rio	1:44.70 Pieter vdHoogenband,N
East Meadow	1:43.54 Pieter vdHoogenband,N
Shanghai	1:45.61 Kvetoslav Svoboda, CZE
Melbourne Paris	1:42.48 Grant Hackett, AUS
Stockholm	1:41.86 Ian Thorpe,AUS 1:46.56 Brian Johns,CAN
Berlin	1:41.69 Ian Thorpe,AUS
400 METRES	
Rio	3:43.75 Pieter vdHoogenband,N
East Meadow	3:43.44 Pieter vdHoogenband,N
Shanghai	3:46.22 Kvetoslav Svoboda, CZE
Melbourne	3:36.17 Grant Hackett, AUS
Paris	3:43.73 Dragos Coman,ROM
Stockholm	3:34.63 Ian Thorpe,AUS
Berlin	3:41.87 Yuri Prilukov,RUS
	S FREESTYLE
Rio	15:13.50 Bruno Bonfim,BRA
East Meadow	14:50.00 Graeme Smith,GBR
Shanghai	15:00.24 Lin Zhang,CHN
Melbourne Paris	14:47.49 Stephen Penfold, AUS
Stockholm	15:00.46 Dragos Coman,ROM 14:53.98 Dragos Coman,ROM
Berlin	14:38.72 Yuri Prilukov,RUS
50 METRES E	
Rio	24.91 Toni Helbig,GER
East Meadow	24.30 Neil Walker,USA
Shanghai	24.38 Kunpeng Ouyang,CHN
Melbourne	23.49 Thomas Rupprath,GER
Paris	24.37 Michael Gilliam,USA
Stockholm	24.37 Toni Helbig,GER
Berlin	23.53 Thomas Rupprath,GER
	BACKSTROKE
Rio	53.96 Steffen Driesen,GER
East Meadow	52.79 Neil Walker,USA
Shanghai	52.16 Kunpeng Ouyang,CHN
Melbourne Paris	51.56 Matt Welsh, AUS 51.93 Kunpeng Ouyang, CHN

Stocknoim	24.37 IONI HelDIG,GEK
Berlin	23.53 Thomas Rupprath, GER
100 METRES	BACKSTROKE
Rio	53.96 Steffen Driesen,GER
East Meadow	52.79 Neil Walker,USA
Shanghai	52.16 Kunpeng Ouyang,CHN
Melbourne	51.56 Matt Welsh, AUS
Paris	51.93 Kunpeng Ouyang,CHN
Stockholm	52.97 Evgeni Alechine,RUS
Berlin	50.76 Thomas Rupprath, GER
200 METRES	BACKSTROKE
Rio	1:56.52 Rogerio Romero,BRA

niu	1.30.32 hogero homero,bha
East Meadow	1:54.30 Michael Phelps,USA
Shanghai	1:56.22 Stephen Parry,GBR
Melbourne	1:54.31 Stephen Parry,GBR
Paris	1:54.96 Klaas Zwering,NED
Stockholm	1:53.60 Evgeni Alechine, RUS
Berlin	1:52.80 Evgeni Alechine, RUS
EN METRES D	DEVELETOURE

Rio	27.72 Eduardo Fischer,BRA
East Meadow	27.19 Oleg Lisogor,UKR
Shanghai	27.39 Oleg Lisogor,UKR
Melbourne	27.48 Roman Sloudnov, RUS
Paris	26.52 Oleg Lisogor,UKR
Stockholm	26.68 Oleg Lisogor,UKR
Berlin	26.59 Oleg Lisogor,UKR
100 METRES	RREASTSTROKE

IOO METRES I	BREADIDIRUKE
Rio	1:00.28 Hugues Duboscq,FR.
East Meadow	59.30 Oleg Lisogor,UKR
Shanghai	59.75 Oleg Lisogor,UKR
Melbourne	59.20 David Denniston, USA

21.88 Fernando Scherer,BRA
21.70 Jose M. Meolans, ARG
22.03 Jose M. Meolans, ARG
21.75 Mark Foster,GBR
21.62 Jason Lezak,USA
21.64 Roland Schoeman, RSA
21.42 Roland Schoeman, RSA

21.95 Ryk Neethling,RSA 21.82 Bartosz Kizierowski,POL 22.16 Nicholas Dos Santos, BRA

21.92 Aaron Ciarla, USA 21.85 Julien Sicot,FRA 21.81 Bartosz Kizierowski,POL 21.82 Jose M. Meolans, ARG 48.27 Ryk Neethling, RSA 48.37 Bartosz Kizierowski, POL 48.79 Denis Pimankov, RUS

48.56 Gustavo Borges, BRA 47.65 Jose M. Meolans, ARG

47.91 Roland Schoeman, RSA 47.55 Salim Iles, ALG

3:49.54 Rodrigo Castro, BRA

3:47.72 Nicolas Rostoucher,FRA 3:47.94 Valerio Cleri,ITA/Sylvain Cros,FRA

3:45.47 Sergiy Fesenko, UKR 15:23.70 Armando Negreiros, BRA 16:49.14 Adolfo Rivadeneira,ECO 15:18.08 Ling Zhu,CHN 15:01.89 Craig Stevens, AUS

15:18.88 Valerio Cleri,ITA 14:56.50 Thomas Lurz, GER 25.05 Rodrigo Ferreira, BRA 25.12 Michael Gilliam, USA 24.97 Liam Tancock,GBR 24.76 Toni Helbig,GER 24.60 Atsushi Nishikori,JPN 24.63 Atsushi Nishikori, JPN 24.49 Michael Gilliam, USA 54.22 Alexandre Massura, BRA 54.06 Robert Kroll,GER 53.84 Alexandre Massura, BRA 52.81 Toni Helbig, GER 53.18 Michael Gilliam, USA

53.13 Toni Helbig,GER 52.35 Darius Grigalionis,LTU 1:58.13 Andrew Burns, AUS

1:56.66 Andrew Burns, AUS 1:57.83 Tao Zhao,CHN 1:56.10 Ethan Rolff, AUS 1:55.80 Kunpeng Ouyang,CHN 1:55.62 Simon Dufour,FRA 1:54.57 Klaas Zwering, NED

27.99 Brenton Rickard, AUS 27.92 Roman Sloudnov, RUS

27.71 David Denniston, USA 27.56 Kosuke Kitajima, JPN

27.55 James Gibson, GBR 27.17 James Gibson, GBR

28.23 Dong Wu,CHN

3:46.62 Josh Davis, USA

3:50.02 Zhixiang Ji,CHN 3:46.29 Craig Stevens, AUS

1:46.69 Brent Hayden, CAN/Joshua Krogh, AUS

1:46.09 Rodrigo Castro, BRA	1:47.71 Gustavo Borges,BRA
1:44.95 Kvetoslav Svoboda, CZE	1:46.47 Michael Phelps,USA
1:45.72 Stefan Herbst,GER	1:48.76 Denis Pimankov,RUS
1:43.18 Pieter vdHoogenband,NED	1:45.77 Stephen Penfold,AUS
1:43.16 Pieter vdHoogenband,NED	1:44.96 Kvetoslav Svoboda,CZE
1:46.63 Dragos Coman,ROM	1:46.69 Brent Hayden, CAN/Joshua Krogh, A
1:42.45 Pieter vdHoogenband,NED	1:44.91 Kvetoslav Svoboda, CZE

15:18.71	Troyden Prinsloo,RSA	15:23.70	Armando Negreiros,BRA
15:49.35	Cheng Yu,CHN	16:49.14	Adolfo Rivadeneira,ECO
15:09.81	Zhixiang Ji,CHN	15:18.08	Ling Zhu,CHN
15:00.24	Massi Rosolino,ITA	15:01.89	Craig Stevens, AUS
15:08.31	Georgios Diamantidis, GRE	15:10.15	Nicolas Rostoucher,FRA
15:09.61	Sylvain Cros,FRA	15:18.88	Valerio Cleri,ITA
14:46.94	Dragos Coman,ROM	14:56.50	Thomas Lurz,GER

25.03 Alexandre Massura, BRA
25.10 Ashley Anderson,84,AUS
24.84 Alexandre Massura, BRA
23.78 Matt Welsh, AUS
24.43 Kunpeng Ouyang,CHN
24.44 Michael Gilliam,USA
24.20 Toni Helbig,GER

54.13 Toni Helbig,GER
53.76 Michael Gilliam,USA
53.81 Steffen Driesen,GER
51.87 Thomas Rupprath, GER
52.93 Atsushi Nishikori,JPN
53.06 Atsushi Nishikori,JPN
52.20 Lenny Krayzelburg,USA

1:57.59 Klaas Zwering,NED
1:56.32 Simon Dufour,FRA
1:57.72 Robert Kroll,GER
1:54.52 Klaas Zwering,NED
1:55.37 Gordan Kozulj,CRO
1:55.26 Razvan Florea,ROM
1:54.05 Lenny Kravzelburg.US

27.89 Hugues Duboscq,FRA
27.87 Christoph Stewart,RSA
27.74 Haibou Wang,CHN
27.67 Brett Petersen,RSA
27.13 Alessandro Terrin,ITA
26.91 Roman Sloudnov,RUS
26.96 Roman Sloudnov.RUS

1:00.65 Eduardo Fischer,BRA	1:00.91 Martin Gustavsson,SWE
59.83 David Denniston, USA	1:00.94 Brenton Rickard, AUS
1:00.52 David Denniston, USA	1:01.44 Dong Wu,CHN
59.45 Roman Sloudnov, RUS	1:00.65 Brenton Rickard, AUS



Pieter van den Hoogenband (NED) third prize and seven wins

Paris	58.57 Oleg Lisogor,UKR	
Stockholm	57.97 Roman Sloudnov,RUS	
Berlin	57.96 Roman Sloudnov, RUS	
200 METRES BREASTSTROKE		

ZUU IVIE I KES	RKEW9191KNKE
Rio	2:10.41 Hugues Duboscq,FRA
East Meadow	2:11.84 David Denniston, USA
Shanghai	2:11.59 Max Podoprigora,AU
Melbourne	2:07.53 David Denniston, USA
Paris	2:07.48 Kosuke Kitajima,JPN
Stockholm	2:07.46 Max Podoprigora,AU
Berlin	2:06.32 Kosuke Kitajima,JPN

### 50 METRES BUTTERFLY

JO INICITICO DOTTENILEI		
Rio	23.85 Fernando Scherer, BRA	
East Meadow	23.38 Thomas Rupprath, GEF	
Shanghai	23.93 Raphael De Thuin, BRA	
Melbourne	23.21 Thomas Rupprath, GEF	
Paris	23.52 Mark Foster, GBR	
Stockholm	23.14 Mark Foster,GBR	
Berlin	23.09 Mark Foster,GBR	

#### **100 METRES BUTTERFLY**

Rio	52.57 Hao Jin,CHN		
East Meadow	51.17 Thomas Rupprath, GER		
Shanghai	52.20 James Hickman, GBR		
Melbourne	50.82 Thomas Rupprath, GER		
Paris	51.56 Igor Marchenko, RUS		
Stockholm	51.17 Igor Marchenko, RUS		
Berlin	51.38 Igor Marchenko, RUS		
200 METRES BUTTERFLY			

200 111211120 2	V 1 1 E I II E I
Rio	1:56.65 Peng Wu,CHN
East Meadow	1:53.18 James Hickman, GBF
Shanghai	1:53.72 James Hickman, GBF
Melbourne	1:53.71 Stephen Parry,GBR
Paris	1:53.03 James Hickman, GBF
Stockholm	1:53.66 James Hickman, GBF
Berlin	1:53.33 James Hickman, GBF
400 METRES I	ND MEDIEV

#### 100 METRES IND.MEDLEY

KI0	55.56 Bartosz kizierowski, pul	
East Meadow	54.68 Oleg Lisogor,UKR	
Shanghai	54.74 Oleg Lisogor,UKR	
Melbourne	55.45 Robert Van Der Zant, AUS	
Paris	53.68 Oleg Lisogor,UKR	
Stockholm	53.45 Oleg Lisogor,UKR	
Berlin	52.58 Thomas Rupprath,GER	
200 METRES IND.MEDLEY		

Rio	1:57.52 Tamas Kerekjarto, HUI
East Meadow	1:57.12 Michael Phelps,USA
Shanghai	1:58.89 James Hickman, GBR
Melbourne	1:56.41 Thomas Rupprath, GE
Paris	1:57.32 James Hickman, GBR
Stockholm	1:56.00 Ian Thorpe,AUS
Berlin	1:56.73 James Hickman, GBR

#### **400 METRES IND. MEDLEY**

Rio	4:12.72 Peng Wu,CHN
East Meadow	4:10.03 Tamas Kerekjarto, HUN
Shanghai	4:13.26 Ziqiang Li,CHN
Melbourne	4:12.53 Batiste Levaillant,FRA
Paris	4:11.14 Dean Kent,NZL
Stockholm	4:09.00 Dean Kent,NZL
Berlin	4:06.66 Dean Kent.NZL



Second prize for Roman Slounov (RUS)

38.30 KUSUKE KIIAJIIIIA,JPN
2:10.52 Brenton Rickard, AUS
2:12.88 Brenton Rickard, AUS
2:12.88 David Denniston, USA
2:08.21 Jim Piper,AUS
2:07.97 Max Podoprigora, AUT
2:08.01 Jim Piper,AUS
0.00.05.14 D

58.76 Kosuke Kitajima,JPN 58.64 Kosuke Kitajima,JPN

2.00.90 Iviax Fudupityura,AUT
23.96 Pieter vdHoogenband,NED
23.72 Mark Foster,GBR
23.97 Igor Marchenko,RUS
23.65 Mark Foster, GBR
23.68 Pavel Lagoun,BLR
23.23 Roland Schoeman,RSA
23.20 Roland Schoeman,RSA

52.64 Igor Marchenko, RUS
51.27 James Hickman, GBR
52.46 Igor Marchenko, RUS
51.27 Igor Marchenko, RUS
51.85 James Hickman, GBR
51.86 James Hickman, GBR
51.71 James Hickman, GBR

1:57.00 Tamas Kerekjarto, HUI
1:53.47 Thomas Rupprath, GEI
1:54.26 Stephen Parry,GBR
1:56.57 Justin Norris,AUS
1:54.80 Tom Malchow,USA
1:54.22 Tom Malchow,USA
1:54.61 Tom Malchow,USA

55.88 Stefan Herbst,GER
54.99 Michael Phelps,USA
54.86 Kunpeng Ouyang, CHN
56.02 Joshua Taylor, AUS
54.85 Bartosz Kizierowski,POL
54.21 Kosuke Kitajima,JPN
54.44 Christian Galenda,ITA

1:59.61 Caio Moretzsohn,BRA 1:57.17 James Hickman,GBR 2:01.16 Peng Wu,CHN 2:00.31 Massi Rosolino,ITA 1:57 34 Dean Kent N7I
1:57.34 Dean Kent,NZL 1:57.64 James Hickman,GBR 1:56.89 Dean Kent,NZL

4:15.32 Tamas Kerekjarto, HUN
4:16.88 Tom Wilkens,USA
4:14.01 Batiste Levaillant,FRA
4:15.74 Mitchell Bacon, AUS
4:11.29 Jiro Miki,JPN
4:09.21 Brian Johns, CAN
4:08.36 Brian Johns, CAN

59.73 James Gibson, GE	3F
58.64 Oleg Lisogor,UKF	{
58.64 Oleg Lisogor,UKF	}

2:12.07 Marcelo Tomazini,BR/
2:12.94 Max Podoprigora, AUT
2:13.13 Tao Zhao,CHN
2:11.86 Roman Sloudnov, RUS
2:10.94 Ian Edmond,GBR
2:09.87 Jarno Pihlava,FIN
2:08.12 Jim Piper,AUS

24.03 Raphael De Thuin,BRA
23.86 Benjamin Michaelson, USA
24.01 James Hickman,GBR
23.78 Adam Pine, AUS
23.71 Joris Keizer,NED
23.54 Igor Marchenko, RUS
23.67 Michael Mintenko, CAN

52.99 Joris Keizer,NED	
52.24 Igor Marchenko,RUS	
53.15 Kaio Almeida,BRA	
51.77 Adam Pine,AUS	
52.03 Joris Keizer,NED	
52.15 Michael Mintenko,CAN	
52.07 Pavel Lagoun,BLR	

1:57.20 Kaio de Almeida, BRA
1:54.18 Michael Phelps, USA
1:57.10 Denis Sylantyev,UKF
1:57.57 Shane Fielding, AUS
1:57.60 Helge Meeuw,GER
1:55.87 Joshua Krogh, AUS
1:56.36 Joshua Krogh, AUS

6.02 Scott Tucker,USA
55.59 Bartosz Kizierowski,PO
55.81 Hao Jin,CHN
66.21 Massi Rosolino,ITA
5.28 Antoine Galavtine,FRA
55.11 Brian Johns,CAN
64.59 Jens Kruppa,GER

1:59.95 Theo Verster,RSA
1:57.36 Tamas Kerekjarto, HUN
2:01.67 Ziqiang Li,CHN
2:01.15 Adam Lucas,AUS
1:59.40 Jiro Miki,JPN
1:58.08 Dean Kent,NZL
1:57.21 Brian Johns, CAN

4:16.81 /	Adam Lucas,AUS
4:17.92 /	Adam Lucas,AUS
4:14.54 H	Huazhang Zheng,CHN
4:17.03 <i>l</i>	Adam Lucas,AUS
4:14.67 E	Batiste Levaillant,FRA
4:16.22 (	Cezar Badita,ROM
4:16.91 (	Cezar Badita,ROM

#### 2003 FINA WORLD CUP WOMEN'S MEDAL WINNERS

	REESTYLE		
Rio	25.51 Chantal Groot,NED	25.58 Flavia Delaroli,BRA	25.82 Renata Burgos,BRA
East Meadow	24.49 Alison Sheppard,GBR	24.52 Jenny Thompson,USA	24.82 Therese Alshammar,SWE
Shanghai	24.44 Alison Sheppard,GBR	25.01 Yanwei Xu,CHN	25.06 Anna-Karin Kammerling,S
/lelbourne	24.58 Therese Alshammar,SWE	25.10 Lisbeth Lenton, AUS / 25.10 M	Michelle Engelsman,AUS
aris	24.23 Alison Sheppard,GBR	24.41 Therese Alshammar,SWE	24.72 Flavia Delaroli,BRA
Stockholm	24.37 Therese Alshammar,SWE	24.43 Alison Sheppard,GBR	24.80 Aleksandra Herasimenia,B
Berlin	24.06 Alison Sheppard,GBR	24.49 Therese Alshammar,SWE	24.50 Aleksandra Herasimenia,B
00 METRES			
Rio	55.37 Chantal Groot,NED	55.40 Gabrielle Rose,USA	56.27 Renata Burgos,BRA
ast Meadow	53.59 Jenny Thompson,USA	54.35 Alison Sheppard,GBR	54.41 Courtney Shealy, USA
hanghai	54.07 Alison Sheppard,GBR	54.21 Martina Moravcova, SVK	54.73 Courtney Shealy,USA
1elbourne	54.42 Elka Graham, AUS	54.57 Lisbeth Lenton, AUS	54.68 Lindsay Benko, USA
aris	53.99 Elena Popchenko,BLR	54.43 Yanwei Xu,CHN	54.45 Martina Moravcova, SVK
tockholm erlin	54.00 Therese Alshammar,SWE 53.94 Aleksandra Herasimenia,BLR	54.13 Alison Sheppard,GBR	54.21 Josefine Lillhage,SWE 54.22 Melanie Marshall,GBR
00 METRES		54.14 Petra Dallmann,GER	04.22 IVIEIdITE IVIdISTIdII,GDN
io we ines	1:59.05 Jiaying Pang,CHN	1:59.32 Rachel Komisarz,USA	1:59.55 Gabrielle Rose,USA
ast Meadow	1:57.11 Martina Moravcova,SVK	1:57.19 Lindsay Benko,USA	1:57.52 Josefine Lillhage,SWE
hanghai	1:58.07 Yu Yang,CHN	1:58.33 Yingwen Zhu,CHN	1:58.64 Jiaying Pang,CHN
Melbourne	1:55.12 Elka Graham, AUS	1:56.58 Kirsten Thomson.AUS	1:56.98 Lindsay Benko,USA
aris	1:55.94 Yingwen Xu,CHN	1:56.33 Elena Popchenko,BLR	1:57.12 Solenne Figues,FRA
tockholm	1:56.18 Josefine Lillhage,SWE	1:56.27 Lindsay Benko,USA	1:57.50 Camelia Potec,ROM
erlin	1:54.90 Yu Yang,CHN	1:55.87 Lindsay Benko,USA	1:56.43 Melanie Marshall,GBR
	FREESTYLE		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
io	4:07.66 Rachel Komisarz,USA	4:08.65 Hua Chen,CHN	4:10.53 Yana Klochkova,UKR
ast Meadow	4:06.83 Lindsay Benko,USA	4:10.43 Rachel Komisarz,USA	4:12.06 Jiaying Pang, CHN
hanghai	4:06.19 Yu Yang,CHN	4:07.05 Yana Klochkova,UKR	4:07.26 Jing Yang,CHN
/lelbourne	4:01.17 Elka Graham, AUS	4:02.98 Lindsay Benko,USA	4:06.32 Rachel Komisarz,USA
aris	4:06.87 Camelia Potec,ROM	4:07.83 Joanne Jackson,GBR	4:08.99 Laure Manaudou,FRA
Stockholm	4:03.13 Lindsay Benko,USA	4:07.49 Camelia Potec,ROM	4:08.61 Jingzhi Tang,CHN
Berlin	3:59.53 Lindsay Benko,USA	4:04.90 Hannah Stockbauer,GER	4:05.84 Erika Villaecia,ESP
00 METRES			
Rio	8:33.73 Yana Klochkova,UKR	8:36.38 Hua Chen,CHN	8:38.12 Rachel Komisarz,USA
ast Meadow	8:17.28 Flavia Rigamonti,SUI	8:30.45 Hua Chen,CHN	8:33.53 Rachel Komisarz,USA
Shanghai	8:32.93 Keri Anne Payne,GBR	8:37.41 Jing Yang,CHN	8:48.49 Whitney Smith,USA
/lelbourne	8:23.58 Keri Anne Payne,GBR	8:25.23 Rachel Komisarz,USA	8:33.14 Belinda Wilson,AUS
Paris	8:29.78 Chantal Strasser,SUI	8:32.47 Laura Blomme,FRA	8:33.54 Laure Manaudou,FRA
Stockholm	8:29.02 Jingzhi Tang,CHN	8:29.39 Jing Zheng,CHN	8:31.19 Chantal Strasser,SUI
Berlin	8:19.18 Hannah Stockbauer,GER	8:22.65 Erika Villaecia,ESP	8:27.20 Melissa Caballero,ESP
<b>io ivie i keo e</b> Rio	ACKSTROKE 27.21 Haley Cope,USA	20 26 Charlana Wittetank DCA	20 40 Nina 7hiyanayekaya ECD
ast Meadow	27.08 Natalie Coughlin,USA	28.36 Charlene Wittstock,RSA 27.38 Haley Cope,USA	28.49 Nina Zhivanevskaya,ESP 28.31 Nina Zhivanevskaya,ESP
asi Meauuw Shanghai	28.01 Hui Li,CHN	28.17 Nina Zhivanevskaya,ESP	28.23 Tianyi Zhang,CHN
Aelbourne	28.04 Giaan Rooney,AUS	28.19 Tianyi Zhang,CHN	28.27 Dyana Calub, AUS
aris	27.89 Jiaru Cheng,CHN	27.91 Ilona Hlavackova,CZE	27.92 Mai Nakamura,JPN
Stockholm	27.76 Mai Nakamura, JPN	27.90 Louise Ornstedt,DEN	28.00 Noriko Inada,JPN
Berlin	27.45 Mai Nakamura,JPN	28.02 Sandra Volker,GER	28.08 Noriko Inada,JPN
	BACKSTROKE	E0.0E Odridia Volitol, dE11	20.00 Normo mada,or n
io	59.93 Haley Cope,USA	1:00.67 Charlene Wittstock,RSA	1:00.74 Nina Zhivanevskaya,ESF
ast Meadow	56.71 Natalie Coughlin,USA	1:00.05 Haley Cope,USA	1:00.21 Nina Zhivanevskaya,ESF
Shanghai	1:00.19 Shuai Zhang,CHN	1:00.64 Courtney Shealy,USA	1:00.75 Nina Zhivanevskaya,ESF
/lelbourne	1:00.32 Charlene Wittstock,RSA	1:00.37 Giaan Rooney,AUS	1:00.38 Courtney Shealy,USA
aris	59.39 Sarah Price,GBR	59.41 Noriko Inada, JPN	59.54 Louise Ornstedt, DEN
tockholm	59.02 Sarah Price,GBR	59.62 Noriko Inada, JPN	59.76 Louise Ornstedt, DEN
erlin	59.08 Sarah Price,GBR	59.37 Noriko Inada,JPN	59.41 Mai Nakamura,JPN
00 METRES	BACKSTROKE		
io	2:08.98 Charlene Wittstock,RSA	2:09.64 Pamela Hanson,USA	2:11.23 Yana Klochkova,UKR
ast Meadow	2:05.76 Natalie Coughlin,USA	2:09.73 Pamela Hanson,USA	2:12.47 Cathleen Rund,GER
hanghai	2:08.46 Shong Zhang,CHN	2:08.69 Yu Yang,CHN	2:09.13 Stephanie Proud,GBR
Melbourne	2:08.00 Stephanie Proud,GBR	2:09.14 Charlene Wittstock,RSA	2:09.59 Kelly Tucker,AUS
aris	2:05.32 Sarah Price,GBR	2:08.19 Stephanie Proud,GBR	2:08.39 Aya Terakawa,JPN
tockholm	2:04.67 Sarah Price,GBR	2:07.23 Aya Terakawa,JPN	2:07.60 Pamela Hanson,USA
Berlin	2:04.50 Sarah Price,GBR	2:07.37 Louise Ornstedt,DEN	2:07.39 Noriko Inada,JPN
	REASTSTROKE		
io	31.24 Brooke Hanson,US	31.41 Amanda Beard,USA	31.97 Ashley Roby,USA
ast Meadow	30.70 Emma Igelstrom,SWE	30.92 Zoe Baker,GBR	30.99 Masami Tanaka,JPN
Shanghai	31.03 Xuejuan Luo,CHN	31.26 Wei Li,CHN	31.50 Duenyi Pang,CHN
<i>N</i> elbourne	30.58 Emma Igelstrom,SWE	30.68 Zoe Baker,GBR	31.01 Brooke Hanson, AUS
	30.66 Zoe Baker,GBR	31.42 Alison Sheppard, GBR	32.02 Mirna Jukic,AUT
Paris		11	
Stockholm	30.51 Emma Igelstrom,SWE	30.75 Zoe Baker,GBR	31.46 Gabrielle Rose,USA
Stockholm Berlin		11	

Paris	1:07.05 Mirna Jukic,AUT	1:08.46 Anne S. Le Paranthoen,FRA	
Stockholm	1:06.20 Emma Igelstrom,SWE	1:07.03 Tarnee White,AUS	1:07.80 Rhiannon Leier,CAN
Berlin	1:06.69 Mirna Jukic,AUT	1:07.30 Rhiannon Leier,CAN	1:07.32 Tarnee White,AUS
	BREASTSTROKE		
Rio	2:23.16 Amanda Beard, USA	2:24.22 Mirna Jukic, AUT	2:27.25 Ashley Roby,USA
East Meadow	2:21.42 Amanda Beard,USA	2:22.09 Masami Tanaka,JPN	2:23.50 Anne Poleska,GER
Shanghai	2:18.86 Hui Qi,CHN	2:23.64 Mirna Jukic,AUT	2:24.49 Xuejuan Luo,CHN
Melbourne	2:19.85 Emma Igelstrom,SWE	2:20.89 Leisel Jones, AUS	2:25.19 Brooke Hanson, AUS
Paris	2:21.58 Mirna Jukic,AUT	2:28.97 Salma Zeinhom,EGY	2:29.51 Lisa Schoellhammer,GER
Stockholm	2:23.91 Emma Igelstrom,SWE	2:27.63 Rhiannon Leier, CAN	2:28.66 Sara Larsson,SWE
Berlin	2:20.28 Mirna Jukic,AUT	2:26.08 Rhiannon Leier,CAN	2:26.55 Natalia Hissamutdinova,EST
50 METRES B		OC OF Halay Cana HCA	27.00 Doobal Kaminara UCA
Rio East Meadow	26.92 Yafei Zhou, CHN	26.95 Haley Cope, USA	27.00 Rachel Komisarz,USA 27.05 Therese Alshammar,SWE
	25.74 Anna-Karin Kammerling,SWE 26.07 Anna-Karin Kammerling,SWE	25.84 Jenny Thompson,USA 26.84 Yafei Zhou.CHN	26.85 Martina Moraycova.SVK
Shanghai Melbourne	26.38 Therese Alshammar,SWE	26.83 Rachel Komisarz,USA	26.89 Hinkelien Schreuder,NED
Paris	26.12 Therese Alshammar.SWE	26.91 Diane Bui Duvet.FRA	26.94 Martina Moraycova.SVK
Stockholm	25.42 Anna-Karin Kammerling,SWE	25.82 Therese Alshammar.SWE	26.63 Aleksandra Herasimenia.BLR
Berlin	25.42 Anna-Karin Kammerling,SWE 25.51 Anna-Karin Kammerling,SWE	26.22 Therese Alshammar,SWE	26.68 Aleksandra Herasimenia,BLR
100 METRES		LU.LL THEIGGE MIGHINIMI, JAVE	20.00 AIGNOGHUIG HEIGSHIIGHIG,DLA
Rio	59.55 Yafei Zhou.CHN	59.60 Amanda Loots,RSA	1:00.16 Rachel Komisarz.USA
East Meadow	56.34 Natalie Coughlin,USA	57.20 Jenny Thompson,USA	58.26 Anna-Karin Kammerling, SWE
Shanghai	57.39 Martina Moravcova, SVK	58.25 Yanwei Xu,CHN	58.93 Qing Zhao,CHN
Melbourne	58.67 Rachel Komisarz,USA	59.43 Felicity Galvez, AUS	59.48 Jessica Schipper,AUS
Paris	57.37 Martina Moravcova,SVK	58.70 Yanwei Xu,CHN	59.41 Yurie Yano,JPN
Stockholm	57.04 Martina Moravcova,SVK	59.10 Lena Hallander,SWE	59.12 Felicity Galvez, AUS
Berlin	57.32 Martina Moravcova, SVK	58.12 Annika Mehlhorn,GER	59.14 Yurie Yano,JPN
200 METRES	BUTTERFLY		
Rio	2:09.04 Yana Klochkova,UKR	2:09.38 Amanda Loots,RSA	2:11.11 Rachel Komisarz,USA
East Meadow	2:09.70 Georgina Lee,GBR	2:11.36 Rachel Komisarz,USA	2:12.90 Yafei Zhou,CHN
Shanghai	2:08.35 Yu Yang,CHN	2:10.17 Jie Li,CHN	2:10.92 Rachel Komisarz,USA
Melbourne	2:08.62 Felicity Galvez,AUS	2:09.16 Rachel Komisarz,USA	2:09.98 Lara Davenport,AUS
Paris	2:07.30 Yanwei Xu,CHN	2:07.81 Yurie Yano,JPN	2:08.06 Francesca Segat,ITA
Stockholm	2:06.85 Yu Yang,CHN	2:08.00 Yurie Yano,JPN	2:08.09 Felicity Galvez, AUS
Berlin	2:04.90 Yu Yang,CHN	2:05.98 Annika Mehlhorn,GER	2:07.34 Felicity Galvez, AUS
100 METRES		1,01.00 Amondo Poord LICA	1.00 E2 Drooks Hennes ALIC
Rio Foot Moodow	1:01.24 Gabrielle Rose,USA	1:01.88 Amanda Beard,USA	1:02.53 Brooke Hanson, AUS
East Meadow	58.80 Natalie Coughlin,USA	1:00.87 Gabrielle Rose,USA	1:01.30 Alison Sheppard,GBR
Shanghai	1:01.10 Martina Moravcova, SVK	1:01.37 Alison Sheppard,GBR	1:02.01 Yana Klochkova,UKR
Melbourne Paris	1:01.85 Brooke Hanson, AUS	1:02.69 Tianyi Zhang,CHN	1:02.76 Hinkelien Schreuder,NED
Paris Stockholm	1:00.81 Martina Moravcova, SVK	1:01.00 Gabrielle Rose,USA 1:00.58 Gabrielle Rose,USA	1:01.17 Alison Sheppard,GBR
Berlin	1:00.55 Martina Moravcova,SVK 1:00.66 Gabrielle Rose,USA	1:01.30 Annika Mehlhorn,GER	1:01.84 Hanna Eriksson,SWE 1:01.57 Martina Moravcova,SVK
200 METRES		1.01.30 AIIIIKA WEIIIIUIII,UEN	1.01.37 IVIAILIIIA IVIUIAVUUVA,3VN
Rio	2:11.23 Yana Klochkova,UKR	2:12.44 Amanda Beard,USA	2:13.63 Gabrielle Rose.USA
East Meadow	2:10.83 Alenka Kejzar,SLO	2:11.38 Gabrielle Rose,USA	2:13.41 Amanda Beard,USA
Shanghai	2:08.77 Hui Qi.CHN	2:09.85 Tianyi Zhang,CHN	2:10.91 Yana Klochkova.UKR
Melbourne	2:10.78 Tianyi Zhang,CHN	2:13.56 Brooke Hanson, AUS	2:13.83 Jessica Abbott, AUS
Paris	2:08.79 Yana Klochkova,UKR	2:10.64 Hanna Scherba,BLR	2:12.73 Gabrielle Rose,USA
Stockholm	2:09.11 Yana Klochkova,UKR	2:10.40 Gabrielle Rose,USA	2:10.44 Julie Hjorth-Hansen,DEN
Berlin	2:08.44 Yana Klochkova,UKR	2:11.30 Gabrielle Rose,USA	2:11.37 Elizabeth Warden,CAN
400 METRES			
Rio	4:36.94 Yana Klochkova,UKR	4:38.49 Georgina Bardach, ARG	4:42.27 Joanna Maranhao,BRA
East Meadow	4:37.18 Alenka Kejzar,SLO	4:44.17 Andrea Cassidy,USA	4:49.31 Sara Nordenstam, SWE
Shanghai	4:33.91 Yana Klochkova,UKR	4:37.22 Tianyi Zhang,CHN	4:41.31 Qing Yang,CHN
Melbourne	4:35.69 Tianyi Zhang,CHN	4:36.37 Jennifer Reilly, AUS	4:42.36 Jessica Abbott,AUS
ъ.	4.00 40.1/ 1/1 11 11/0	4.07.70.14.11 E 11 IDM	4.00 40 11 1 - N1 - C 11 N171

4:37.72 Maiko Fujino,JPN

4:35.85 Maiko Fujino,JPN

4:38.69 Elizabeth Warden, CAN



4:32.42 Yana Klochkova,UKR

4:36.33 Yana Klochkova,UKR

4:34.80 Yana Klochkova,UKR

Paris

Stockholm Berlin

Three world records for Natalie Coughlin (USA) at World Cup 2



4:38.40 Helen Norfolk,NZL

4:39.05 Helen Norfolk,NZL

4:37.23 Elizabeth Warden, CAN

Third place prize for Lindsay Benko (USA) first to better four minutes in 400 free

1:07.10 Amanda Beard,USA

1:06.14 Hui Qi,CHN

1:06.00 Emma Igelstrom,SWE

1:05.55 Emma Igelstrom,SWE

East Meadow

Shanghai

Melbourne

1:07.73 Brooke Hanson,AUS

1:07.04 Masami Tanaka,JPN

1:06.81 Xuejuan Luo,CHN

1:05.91 Leisel Jones, AUS

1:09.12 Staciana Stitts,USA

1:07.06 Amanda Beard, USA

1:07.03 Brooke Hanson, AUS

1:08.02 Mirna Jukic, AUT

# SCOTTISH SWIMMER ALISON SHEPPARD THE 100% PROFESSIONAL ATHLETE

#### Nikki Dryden

ver 30 years ago, Howard Firby said that the Canadian model of coaching was that of a hothouse gardener. He described a gardener who must feed and nurture each flower individually and with great care in order for it to bloom. And in the past, that model of one dedicated coach working individually with one dedicated swimmer was the key to our success. Although they swam two decades ago, Alex Baumann and Victor Davis are our most acclaimed examples, but there is finally a new team that has started to blossom and prove Firby's theory once again.

While this old-school model seems rare amidst all the training centres where swimmers must fight like weeds for sunlight and water, a new garden has sprung on Vancouver Island near Lake Cowichan. It is there that former Canadian National team swimmer Gary Vander Meulen and Scotland's greatest swimming export, Alison Sheppard, have made their home and training base. As husband and wife, coach and swimmer, they have a unique relationship and perhaps one that couldn't work for anyone else, anywhere else. But for Gary and Alison, the seeds of hard work have taken root.

Last summer, Alison finished off the year ranked number one in the world long course in the 50 freestyle, and this year she won over US \$57,000 on the World Cup circuit by racing to the highest point swim on the tour. Both those accomplishments capped off continually improving seasons; every race she did this year on the circuit got faster until she finished with a swim that earned her 1014 points.

Gary has been coaching Alison one-on-one since



Faster off the blocks with every swim

January 1998, and it was in September of that year that Alison had her breakthrough swim with a silver medal in the 50 free at the Commonwealth Games. She had been ranked number nine in the Commonwealth that year and the silver was a big improvement for her. Since then the pair has continued to make Alison's individual plan each year, adapting it only slightly, tweaking it only when necessary. "I think that is one of the reasons why Alison has consistently improved," says Gary. "We do the same sets each year, and have the same weekly and daily routine."

That routine starts at the pool every morning at 5 a.m. in a 25-metre, six-lane community pool. Three days a week after swimming, Alison does a dryland circuit for an hour and twice a week she does medicine balls and Pilates. She also does weights four times a week on any night of her choosing depending on how she is feeling. Most importantly, she sticks to that routine every day. "Originally we swam every morning because of pool space, because we had more room in the mornings," says Gary. "Now we do it because we prefer it. It is good for everyone because it creates routines. It eliminates the chance to stay up too late and it encourages the same sleep patterns."

Alison is a full-time professional athlete who eats,

lives, and breathes the sport of swimming. She is extremely focused, an attribute readily apparent to anyone who watches her on the pool deck or tries to stop her for an interview. That kind of intensity and strictness may scare some athletes, but Gary thinks that is only true if you look at it on the surface. "Alison tracks all her best workout times and sets and so we are always able to see how she is improving. Sometimes that is incremental,

> sometimes it's slower. and sometimes it's a lot faster. But by keeping her routine and sets the same instead of changing them, we can see the progression." Gary believes that is especially helpful for an older athlete. "Many senior athletes get a feeling for a workout based



Number one in the world

on one bad rep or one good one. But sometimes if you were to examine the average of a set you would see how good or bad the workout really was. That

#### QUICK FACTS: SHEPPARD, Alison, GBR

5 NOV 1972, Glasgow BIRTHDATE, PLACE HEIGHT 175 cm WEIGHT 138 lb HOME Duncan, BC **REPRESENTS** Stingrays COACH Gary VanderMeulen

- 2002 Commonwealths 1st 50 free 24.76, 6th 100 free 56.05
- 2001 Worlds 4th 50 free 25.00
- **2000 Olympics** 7th 50 free 25.45, 5th 4x100 free
- 1999 Europeans 3rd 50 free 25.33, 3rd 4x100 free
- 1998 Commonwealths 2nd 50 free 25.92, 7th 100 free 56.81
- 1996 Olympics 9th 4x100 free
- 1994 Commonwealths 7th 50 free 26.69, 12th 100 free 58.61
- 1993 Europeans 21st 50 free 26.90
- 1992 Olympics 27th 50 free 26.90, 31st 100 free 58.83
- 1990 Commonwealths 10th 50 free 27.01, 15th 100 free 59.29
- 1988 Olympics 25th 50 free 27.14
- 2002 SC Europeans 1st 50 free 24.20, 4th 100 free 54.04, 2nd 100 IM 1:00.99
- 2002 SC Worlds 2nd 50 free 24.28, 6th 100 free 53.91
- 2000 SC Europeans 2nd 50 free 24.48
- 2000 SC Worlds 3rd 50 free 24.80
- 1999 SC Europeans 5th 50 free 25.00
- 1999 SC Worlds 3rd 50 free 24.97

way, that general feeling a swimmer gets is not based on emotion but on reality, and when you are training really hard it's difficult not to be emotional when that is all you are doing."

Assuming Alison qualifies for Athens in 2004, she will be competing in her fifth Olympic Games, but for ten years, from 1988 to 1998, she remained at the same level. Now, each year since then she has gotten stronger and fitter. "Alison loves training on her own. She likes to do things her way, and if that means taking a long time to get in the water for warm up then that's fine with me." That sense of independence goes for Gary's entire team. "Just like Alison, all my kids put their

workouts and times in their log books and they know what they need to do on a particular set to be better than the last time. They have to be active participants and push themselves."

While Alison trains separately from the team, she has set the standard very high for the rest of Gary's swimmers. "She shows them what a routine looks like. Alison is 100% consistent in her routine. I don't think



Holds 100 IM Commonwealth record

there has ever been a workout where she hasn't had her equipment or when she has forgotten her water bottle or her snack for after practice." Gary says his swimmers do respect and admire her, but he's not often sure if they really understand how good she is. "To many of the younger swimmers, she's just a good swimmer on the team, a really good swimmer." He jokes, however, that if this were a hockey team, the kids would certainly know if someone like Wayne Gretzky was training with them. "But that is just the nature of swimming," he laughs.

As for Gary, he doesn't worry any more about his place in the coaching world. While Gary is Canadian and coaches in Canada, he

gets no recognition from his peers for his successful coaching of a world-ranked swimmer because Alison is not Canadian too. Gary's presence on the British Olympic Team in Sydney was also controversial, but the British coaching fraternity has been more accepting of his feats, and Gary received an award for coaching excellence last year from British Swimming.

More importantly, Gary has always just wanted to

be in a situation where he can do what he wants; and being away from the big city jungles, he can do just that. He fondly remembers his days swimming at the Calgary Centre when it first began in the late 1980s and was at its peak, but it is not the type of situation he or Alison would thrive in today. "It really was a complete team back then and we were more unique than we realized. Teams are trying to replicate that success but it's not that easy to put together. People try to copy other programs but because they are not using their intuition, it just doesn't work."

Gary is of the philosophy that coaching is both an art and a science, and that you have to find both and apply it to the situation you are in to be successful. "The great Canadian coaches of the past, like George Gate and Howard Firby, found that combination of art and science, and their intuition made them successful." He feels that it is a shame that so many programs have lost that personal touch because they are just too big. "More effort really needs to be taken to ensure that these special flowers, if you will, survive. There are a lot of super talented kids in this country and it is terrible that we are losing them."

However, Gary is fully aware of how special his athlete is and is ready to give some of the coaching credit to Alison, who raced this year's circuit without her coach. "She's very comfortable coaching herself and has proved that she can swim well when I am there and when I am not. That is in part due to how our training program is set up. Of course I would like it better if I was there, as often things come up that a coach can see, but it is obvious she can swim well on her own."

> And how does that coachswimmer relationship affect their married life? "We talk about swimming all the time," Gary says laughing. "We both grew up with swimming being a big part of our life. My brother Steve and I both swam for Canada, and Alison and her sister have both represented Scotland. Her dad used to be the president of British Swimming too, so it is a part of both our families. Most of the time it's cool, and sometimes it's not. But I understand and so does she, that coaching an adult is different than coaching an adolescent, and we respect each other and that's how it works."

It surely is different, and it surely seems to be working. Howard Firby's hothouse is alive and well, this time on Vancouver Island, And if the glory of Baumann and Davis are any indication of how well this model works, we haven't seen the best of Alison Sheppard yet.

	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	
SHORT COURS	E												
50 FREE	24.06	24.26	24.26	24.80	24.96	25.86	26.34	25.85	25.92	26.51	25.72	26.11	
100 FREE	54.03	53.91	54.30	55.52	54.83	56.46	59.43	56.46	57.10	56.49	56.17	57.54	
200 FREE	-	2:01.72	-	-	2:06.36	2:06.36	2:09.62	2:02.93	-	-	-	-	
400 FREE	-	-	-	-	-	4:33.00	4:32.29	-	-	-	-	-	
50 BACK	29.01	29.31	-	30.27	30.19	30.53	-	-	-	-	-	-	
100 BACK	-	-	1:03.13	1:04.49	1:04.04	1:04.84	1:06.25	1:04.73	-	-	1:03.54	1:04.85	
200 BACK	-	-	2:16.42	-	-	2:18.29	-	-	-	-	-	-	
50 BREAST	31.42	32.36	-	-	-	-	33.94	-	-	-	-	-	
100 BREAST	-	-	1:13.32	-	-	1:15.43	1:13.54	-	-	1:13.17	-	-	
50 FLY	-	27.13	-	-	-	-	-	-	-	-	-	-	
100 IM	1:00.99	1:00.88	-	1:04.96	-	1:04.51	-	-	-	-	-	1:04.87	
200 IM	-	-	-	-	-	2:22.26	2:21.12	2:21.01	-	2:21.49	2:17.35	-	
LONG COURSE													
50 FREE		24.68	25.00	25.12	25.33	25.73	26.26	26.57	26.71	26.69	26.70	26.33	
100 FREE		55.89	55.97	55.78	56.21	56.81	57.99	57.73	-	58.44	-	57.60	
200 FREE		-	-	-	-	-	2:07.56	-	-	-	_	-	
50 BACK		-	30.37	_	-	-	-	_	-	_	-	-	
100 BACK		-	_	1:04.99	1:04.95	1:05.28	1:06.72	-	-	1:05.47	-	1:06.22	
200 BACK		-	-	-	-	-	-	-	-	-	-	2:20.40	

33.03

1:16.04

28.65

2:26.59

1:15.72

2:26.22

**ALISON SHEPPARD'S YEARLY PROGRESSION** 

33.36

27.05

50 BREAST

100 BREAST

50 FLY

200 IM

# **BREATHE BETTER—SWIM FASTER**

# Breath control is fundamental to efficient swimming. Like singers, swimmers need to train their breathing for effective performance.

**Cecil Colwin** 

ontrolled breathing is the main factor contributing to swimming efficiency. Breathing control involves timing the breath within the rhythm of the stroke and ventilating the lungs for the work to be done. Many talented swimmers, with the ability to become great, fall short in this department.

For instance, in freestyle swimming, mastering the fundamentals of balance, relaxation, arm-timing, streamlining, stroke length and the effective application of power depends on a swimmer's ability to prolong exhalation so that it blends smoothly into the total action.

The stroke movements used in swimming interfere greatly with ordinary respiration and swimmers overcome this tendency to inhibit breathing only by developing unusual respiratory powers. Tests made on expert swimmers as compared with average

swimmers of a similar age show that top swimmers are superior in vital capacity, and both inspiratory strength and expiratory strength.

A survey of the swimming literature shows that most references to breathing refer either to head-turning mechanics or the frequency of breathing, but references to the actual act of breathing are sparse. The omission is understandable because breathing on land is automatic, and few realize that swimming performance can be improved by learning breathing techniques that delay the onset of fatigue and enable swimmers to adjust their breathing for specific paces and events.

Controlled breathing will help a swimmer to take *a deep breath quickly and easily*, and then follow with the *long outward breath* that provides enough time within each stroke cycle, or series of cycles, to keep the action long, loose and rhythmic. To reach the highest level of stroke fluency, even top swimmers need to pay attention

to breathing effortlessly.

#### **Diaphragmatic Breathing**

Back in the 1920s diaphragmatic breathing was considered an important part of the new American crawl being developed by pioneer coaches, such as Bachrach and Handley, but the idea was lost somewhere along the line. They believed that "the diaphragmatic method" of breathing ensured that the lungs were completely filled, whereas shallow intercostal breathing filled only half of each lung—so the swimmer, in effect, was only using one lung!

Much has been made of the term "diaphragmatic breathing" but the fact of the matter is that *all* breathing is diaphragmatic, particularly when we breathe deeply. The use of the term "diaphragmatic breathing" in this text is made to show the difference between shallow upper-chest (intercostal) breathing and diaphragmatic breathing, which causes a quick, deep breath followed by a long slow exhalation.

To feel the difference between shallow upper-chest breathing and diaphragmatic breathing, one has only to inhale deeply and exhale while placing one hand on the chest and the other on the abdomen and feeling the abdomen rise and fall; this is sometimes called "belly breathing."

Diaphragmatic breathing, as used by singers or musicians playing wind instruments, is the key to advanced breathing skills. Famous singers such as Pavarotti and Placido Domingo practise breathing control. The singers' smooth performances are achieved by mastering a long, slow exhalation, and a deep but quick inward breath that is undetected. Their effortless phrasing would be impossible without a wellregulated exhalation aided by exceptional control of the diaphragm. Swimmers could take a page from their book.

Placido Domingo says: "Before you take a high note the diaphragm should not go up, but all the way down, pushing the stomach out, and providing room for the lungs to expand and fill with air." He likens it to squeezing a soft rubber ball with a hole in it. When squeezed the air empties out of the ball; when released, air rushes in to fill the empty space in the ball because nature abhors a vacuum.

#### The Role of Diaphragmatic Breathing in Breath Control

When we inhale, oxygen from the air enters the lungs from where the blood takes it to all the cells of the body. At the cellular level oxygen acts on glucose (from food) to produce energy. Water and carbon dioxide are byproducts of this process, which are returned to the lungs by the venous blood, to be exhaled. Carbon dioxide is never completely eliminated from the system, neither is all the air exhaled; some residual air always remains in the lungs.

The diaphragm is the large muscle stretching across the body at the floor of the chest under the heart and lungs. Because the lungs themselves have no muscles and are passive, they need the help of the diaphragm and intercostal muscles to function.

When at rest, the diaphragm is held up in two domes by the abdominal viscera. When the diaphragm contracts, the domes flatten out, the lungs expand downwards and the abdomen is pushed out. Lung capacity is further increased by the intercostal muscles contracting and lifting some of the ribs in an outward and upward direction. The result is that the rib cage expands and suction is created, which draws air into the lungs.

#### **Exhalation through Nose or Mouth?**

Swimmers have a choice of three different methods:

1. Inhaling through the mouth and exhaling through the nose only.

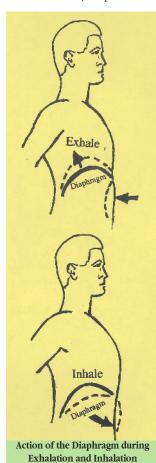
This is a good way to learn prolonged exhalation because of the smaller opening at the nostrils.

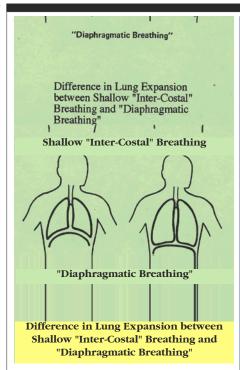
2. Inhaling though the mouth and exhaling through nose and mouth simultaneously.

For some individual swimmers this is a good method to use when sprinting when a greater volume of air has to be exhaled.

3. Inhaling through the mouth and exhaling through the mouth only.

This method is recommended for beginners as it is the easiest to learn. Ask the swimmer to exhale





through pursed lips. Keeping the lips pursed teaches the beginner to regulate the flow of the outward breath, and helps avoid water accidentally entering the mouth.

#### Don't Gasp or Blow!

The inward breath should be *an easy reflex action;* if exhalation is adequate, air will flow in on its own! The inward breath is quick, but should not be gasped in.

The outward breath follows as soon as the mouth moves under the surface. Important: never blow the air out forcefully, because doing so causes breathlessness and loss of breathing control resulting in premature fatigue.

Let the outward breath escape gradually by allowing the air to *flow* out easily until the mouth has almost returned to the surface for the next inhalation. At this point, the swimmer expels the remainder of the air with a small puff that clears the lungs for more air, and moves the water away from the front of the mouth so that air is inhaled without taking in water.

Note: Should you gulp in water, shape your tongue as if you're pronouncing the letter K; this should prevent you from gagging. Even the greatest swimmers have been known to take in water accidentally. This is a rare occurence, but I once saw a top swimmer in an Olympic final unable to finish the race because she inhaled water.

#### **Inward-Outward Breath Ratios**

A "breath ratio" is simply the amount of time a swimmer spends exhaling compared to the amount of time spent inhaling. On land, we tend to breathe in equal timing—in and out, in and out.

But, if this equal breath ratio (1:1) is transferred to freestyle swimming, for example, the body will often ride off balance because the outward breath will be too short to permit time enough for the swimmer to complete the natural roll of the body. Neither will the swimmer be able to maintain equal stroke length on each side of the body. Furthermore, as oxygen demand increases, the swimmer will tire quickly because there has not been enough time to complete the exhalation to allow an adequate inward breath to follow. Remember the important breathing rule in swimming the ratio of the outward breath to the inward breath should always be at least twice as long (2:1) as the inward breath.

It is possible to consciously control the breath ratio according to the needs of the individual swimmer. With practice, it will be possible to increase the breath ratio to 3:1 and even longer. The volume and pace of the outward breath will vary according to which style is swum; for example, there will be significant differences between freestyle breathing and breathing while swimming butterfly, breaststroke or backstroke. The breath ratio may change according to the energy demands of the distance to be swum, each individual's

### **Important breathing tips:**

- •Inhalation: Should be an easy reflex action—don't gasp in air! If exhalation is adequate, air will flow in on its own!
- Exhalation: Aways flow the air out easily. Never blow the air out forcefully, because this causes breathlessness and loss of breathing control resulting in premature fatigue. Exhalation should be at least twice as long as the inward breath.

most comfortable stroke length and rhythm, and the frequency of breathing.

**Freestyle** In distances longer than the 100, most freestyle swimmers inhale on every second stroke, while others may breathe bilaterally (once every three strokes). The pattern best suited to the individual should be established in practice, as well as in competition.

Most short distance freestylers do not breathe regularly; they might breathe three or four times on

the first fifty metres of a 100-metres race (50 metres pool) and more regularly on the final 50 metres, such as once every four strokes or once every six strokes. Short distance swimmers need to experiment with different patterns of irregular breathing to find the individual's ideal rhythm pattern.

Underwater observation of short distance swimmers reveals a variety of breathing rhythms. A fewwill breathe on every stroke cycle while others may breathe less regularly. Inexperienced swimmers often fix the abdominal and back muscles when swimming the crawl stroke, thus interfering with the function of the diaphragm. On the other hand, expert swimmers, who have mastered controlled breathing and relaxation of the abdominal muscles, seldom have difficulty in breathing under the exertion of swimming at full speed.

**Backstroke** swimmers usually inhale through the mouth during the recovery of one arm, and exhale through the mouth during the recovery of the opposite arm. However, all swimmers, irrespective of whether or not backstroke is their main stroke, should practise doing backstroke while inhaling through the mouth

during the recovery of one arm, and exhaling *through the nose* during the recovery of the other arm. This practice helps the swimmer to learn good breath control, and how to *flow* the air out when exhaling instead of blowing it out.

Butterfly swimmers start to flow air out in a slow exhalation from the moment the stroke starts. Exhalation gradually increases in intensity throughout the arm-stroke and finishes with a puff of air a moment before the mouth clears the surface. The inward breath is taken (through the mouth) in the *final* stage of the arm-push. Swimmers may breathe once to every arm cycle or once every two strokes. In breathing once to every two strokes, the breath is held throughout the first arm-cycle. Exhalation and inhalation take place during the second arm-cycle. The ideal breathing rhythm is a matter of individual preference and depends on the length of the racing distance. Swimmers need to breathe more frequently the longer the distance covered. Butterfly swimmers in the sprint and shorter events, 50 and 100, tend

to breathe every second stroke, but some do breathe once to every arm cycle. Swimmers who use irregular breathing patterns risk premature fatigue by incurring too early an oxygen debt.

**Breaststroke** As the stroke starts, the swimmer begins to exhale through the mouth. The swimmer's head gradually lifts as the elbow-bend increases and the shoulders rise. Throughout the arm stroke the swimmer gradually increases the volume of the exhalation. As the shoulders reach their highest point,

exhalation is completed with a puff that clears water away from the mouth. The swimmer inhales and the face returns to the water as the arms thrust forward to full extension.

### Prolonging the Outward Breath in the Crawl Stroke

The ability to prolong the outward breath is the key to efficient swimming. By prolonging each exhalation and allowing the air to flow out easily, the swimmer will bave more time within each stroke cycle to streamline and balance the body while maintaining stroke length and rhythm. The result will be the "ghost-like" glide, so often the hallmark of great swimmers.

Practise face-down glides with slow exhalation; push off from the wall in prone position with arms and legs extended. Allow the body to continue its glide. Concentrate on allowing air to *flow* out gently until exhalation is completed.

Now start to swim freestyle very slowly. Turn your face to the side and take a breath. As your face returns to the centre position, continue exhaling by flowing air out gently. When your outward breath is nearly finished, turn your face back to the side with mouth open, lips curled outward, and air will flow in naturally. Return your face to the centre position as you continue into the next outward breath. Keep swimming slowly and allow the air to escape by flowing it out softly and gently without stopping.

Select a distance overwhich you wish to practise in a non-stop swim. Swim as far as you can, concentrating on allowing the air to flow out gently in a prolonged exhalation. Ideally, if you are fit enough to do so, swim a slow 1500 in this manner. Try to make each outward breath at least twice as long as the inward breath. With practice, you'll be surprised and impressed at how relaxed and facile your stroke will become.

As you become more proficient, the next step should be to try timing your outward breath with each phase of your stroke. Your outward breath

should finish just as the breathing-side arm completes its stroke. The in-breath will occur as a reflex action; in fact you will not be aware of having inhaled. As you return your face to the centre position, your breathing-side arm will have recovered from the water and will be about to slide forward into the entry.

As the arm enters and slides forward, thus absorbing the body's momentum, your outward breath will have started to flow out gently and steadily. The outward breath will continue flowing non-stop throughout the ensuing stroke cycle, allowing you time to complete your body roll to the opposite side and recover and enter the arm on that side. As the entry arm is once again almost fully extended, your

Effect on Relaxation and Stroke Mechanics

inhaled without risk of inhaling water.

Once a swimmer can breathe as easily in the water as on land, it soon becomes possible to cover long distances effortlessly and at speed. This is because relaxation within the stroke is improved by the ability to inter-time and control breathing rhythm within the changing

face will have returned to the breathing side. Just

before the mouth clears the surface, you should expel

the remainder of the air with a puff that not only

clears the lungs for more air, but moves the water

away from the front of the mouth so that air can be

phases of the stroke. Once this expertise has been achieved, the swimmer will be surprised to find how easy it is to swim at speed while maintaining a high level of relaxation. The aim is to develop maximum stroke application with maximum relaxation.

In freestyle, for example, combining the inward breath with the push-back of the arm on the breathing side automatically causes it to coincide with the entry slide of the opposite arm. While tension on the pectoral muscles acting between the pulling arm and the ribs tends to draw that side of the chest upward, the ensuing motion of the recovery arm helps to free and raise the ribs away from the expanding lung on the opposite side. These advantageous mechanical conditions make this a particularly appropriate time for inhalation.

It is interesting to note that Michael Phelps, butterfly world champion and record-breaker, concentrates on setting up his breathing rhythm early in a race. He says that he can only find his rhythm by breathing once to every stroke, and not once every two strokes. He adds that finding his rhythm makes him feel relaxed, and "when I feel relaxed, I know I'm going to have a fast swim."

References.

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# The Importance of Breath Control While Swimming

Today's swimmers and coaches generally regard breathing as an automatic action not requiring attention. They believe that swimmers fall into a natural pattern if not interfered with. Attempting to teach breathing habits may seem an excellent example of over-coaching, like trying to standardize swimming strokes.

To some extent this may be true, but because swimming respiration breaks the normal rhythm of everyday breathing, swimmers can enhance their performances through analysis and special breathing exercises. Because people breathe on land without thinking about it, there's a tendency to take breathing for granted when swimming.

- The ability to prolong the outward breath is the key to efficient swimming. By prolonging each exhalation and allowing the air to flow out easily, the swimmer will have more time within each stroke cycle to streamline and balance the body while maintaining stroke length and rhythm. The result will be the "ghost-like" glide so often exhibited by great swimmers.
- Mastering the subtleties of diaphragmatic breathing requires repeated practice until it becomes secondnature. The result is a relaxed swimmer able to conserve energy, even when swimming at speed.
- The natural reaction of the unskilled swimmer, obsessed with the need to obtain air, is to breathe in more air than is exhaled. This often causes the swimmer to "blow up." The important point in swimming is not how much air is inhaled but rather the quantity of air exhaled; the swimmer can only breathe in as much air as is exhaled.
- Even with experienced swimmers, the natural reaction under the stress of competition is to inhale more air than needed. The emphasis should be on complete and prolonged exhalation through the use of diaphragmatic breathing performed in time with the normal stroking action.

# FINA A AND B QUALIFYING TIME STANDARDS Olympic Games 2004, Athens (GRE)

MEN'S STANDARDS	A - 2 Entries	B - 1 Entry	IOC Target is for 800
50 freestyle	22.51	23.64	swimmers in total.
100 freestyle	49.66	52.14	
200 freestyle	1:49.60	1:55.08	Qualifying period will be
400 freestyle	3:52.01	4:03.61	1 April 2003—21 July 2004.
1500 freestyle	15:14.43	16:00.15	1 April 2000 21 odily 200 ii
100 backstroke	55.63	58.41	Qualifying events will be
200 backstroke	2:00.20	2:06.21	reduced compared to Sydney.
100 breaststroke	1:01.92	1:05.02	Details not yet available.
200 breaststroke	2:14.20	2:20.91	To be provided by FINA
100 butterfly	53.49	56.16	Office.
200 butterfly	1:58.63	2:04.56	
200 ind.medley	2:02.54	2:08.67	
400 ind.medley	4:20.17	4:33.18	
4x100 medley	3:41.37		
4x100 freestyle	3:21.48		
4x200 freestyle	7:24.83		
WOMEN'S STANDARDS	A - 2 Entries	B - 1 Entry	
50 freestyle	25.64	26.92	
400 for a state	55.58	58.36	
100 freestyle			
200 freestyle	2:00.07	2:06.07	
200 freestyle 400 freestyle	2:00.07 4:11.60	2:06.07 4:24.18	
200 freestyle 400 freestyle 800 freestyle	4:11.60 8:36.94	4:24.18 9:02.79	
200 freestyle 400 freestyle 800 freestyle 100 backstroke	4:11.60 8:36.94 1:02.42	4:24.18 9:02.79 1:05.54	
200 freestyle 400 freestyle 800 freestyle 100 backstroke 200 backstroke	4:11.60 8:36.94 1:02.42 2:13.58	4:24.18 9:02.79 1:05.54 2:20.26	
200 freestyle 400 freestyle 800 freestyle 100 backstroke 200 backstroke 100 breaststroke	4:11.60 8:36.94 1:02.42 2:13.58 1:09.85	4:24.18 9:02.79 1:05.54 2:20.26 1:13.34	
200 freestyle 400 freestyle 800 freestyle 100 backstroke 200 backstroke 100 breaststroke 200 breaststroke	4:11.60 8:36.94 1:02.42 2:13.58 1:09.85 2:28.21	4:24.18 9:02.79 1:05.54 2:20.26 1:13.34 2:35.62	
200 freestyle 400 freestyle 800 freestyle 100 backstroke 200 backstroke 100 breaststroke 200 breaststroke 100 butterfly	4:11.60 8:36.94 1:02.42 2:13.58 1:09.85 2:28.21 59.67	4:24.18 9:02.79 1:05.54 2:20.26 1:13.34 2:35.62 1:02.65	
200 freestyle 400 freestyle 800 freestyle 100 backstroke 200 backstroke 100 breaststroke 200 breaststroke 100 butterfly 200 butterfly	4:11.60 8:36.94 1:02.42 2:13.58 1:09.85 2:28.21 59.67 2:11.20	4:24.18 9:02.79 1:05.54 2:20.26 1:13.34 2:35.62 1:02.65 2:17.76	
200 freestyle 400 freestyle 800 freestyle 100 backstroke 200 backstroke 100 breaststroke 200 breaststroke 100 butterfly 200 butterfly 200 ind.medley	4:11.60 8:36.94 1:02.42 2:13.58 1:09.85 2:28.21 59.67 2:11.20 2:15.27	4:24.18 9:02.79 1:05.54 2:20.26 1:13.34 2:35.62 1:02.65 2:17.76 2:22.03	
200 freestyle 400 freestyle 800 freestyle 100 backstroke 200 backstroke 100 breaststroke 200 breaststroke 100 butterfly 200 butterfly	4:11.60 8:36.94 1:02.42 2:13.58 1:09.85 2:28.21 59.67 2:11.20	4:24.18 9:02.79 1:05.54 2:20.26 1:13.34 2:35.62 1:02.65 2:17.76	
200 freestyle 400 freestyle 800 freestyle 100 backstroke 200 backstroke 100 breaststroke 200 breaststroke 100 butterfly 200 butterfly 200 ind.medley	4:11.60 8:36.94 1:02.42 2:13.58 1:09.85 2:28.21 59.67 2:11.20 2:15.27	4:24.18 9:02.79 1:05.54 2:20.26 1:13.34 2:35.62 1:02.65 2:17.76 2:22.03	
200 freestyle 400 freestyle 800 freestyle 100 backstroke 200 backstroke 100 breaststroke 200 breaststroke 100 butterfly 200 butterfly 200 ind.medley 400 ind.medley	4:11.60 8:36.94 1:02.42 2:13.58 1:09.85 2:28.21 59.67 2:11.20 2:15.27 4:46.42	4:24.18 9:02.79 1:05.54 2:20.26 1:13.34 2:35.62 1:02.65 2:17.76 2:22.03	

#### 100 free 1:03.56 Andrew Bignall, SSMAC, 1994 4:47.08 Tobias Oriwol, PCSC, 1996 400 free 100 back 1:13.45 Andrew Bignall, SSMAC, 1994 1:23.43 Tobias Oriwol, PCSC, 1996 100 breast 1:12.03 Kyung Soo Yoon, NYAC, 2001 100 fly 200 IM 2:31.79 Tobias Oriwol, PCSC, 1996 11-12 BOYS SHORT COURSE 25.28 John M.Mills,GO,1993 50 free 55.99 Brad Creelman, TOMAC, 1983 100 free 2:01.59 Doug Wake, YLSC, 1990 200 free 4:15.89 Chuck Sayao, TOMAC, 1995 400 free 1500 free 16:58.85 Jamie White,LAC,1990 100 back 1:03.13 Jimmy Lee, WEST, 2003 2:14.05 Tobias Oriwol, PCSC, 1998 200 back 100 breast 1:07.51 Matthew Huang, ARBU, 1997 200 breast 2:26.87 Matthew Huang, ARBU, 1997 1:02.37 Drew Chorney, TMSC, 1991 100 fly e1:02.37 Michael Calkins, IS, 1991 200 fly 2:17.46 Andrew Cho, HYACK, 1991 200 IM 2:17.55 Matthew Huang, ARBU, 1997 4:52.13 Keith Barrett, UCSC, 1994 400 IM 4x50 MR 2:05.03 Mississauga AC,1992 4:38.88 Etobicoke Swimming, 1996 4x100 MR 4x50 FR 1:51.22 London AC,1988 4:07.99 Cascade Swim Club, 1998 4x100 FR 13-14 BOYS SHORT COURSE 23.45 Yannick Lupien, CAGRA, 1995 50 free 51.03 Yannick Lupien, CAGRA, 1995 100 free 1:52.51 Yannick Lupien, CAGRA, 1995 200 free 3:58.32 Jamie Stevens, MANTA, 1989 400 free 15:32.15 Alex Baumann, LUSC, 1979 1500 free 100 back 56.93 Garret Pulle, MAC, 1993 2:00.04 Tobias Oriwol, ESWIM, 2000 200 back 100 breast 1:03.27 Mike Mason, EPS, 1989 2:14.36 Matthew Huang, PDSA,1998 200 breast 100 fly 56.61 Garret Pulle, MAC, 1993 2:04.83 Philip Weiss, SKSC, 1994 200 fly 200 IM 2:05.94 Tobias Oriwol, ESWIM, 2000 400 IM 4:24.89 Tobias Oriwol.ESWIM.2000 4x50 MR 1:51.33 Markham AC,1992 4x100 MR 4:07.20 Etobicoke Swimming, 1998 4x50 FR 1:38.37 Markham AC.1992 4x100 FR 3:44.45 Etobicoke Swimming, 1998 15-17 BOYS SHORT COURSE 22.56 Simon MacDonald, NKB, 1997 50 free 49.84 Yannick Lupien, GO, 1997 100 free 1:47.83 Alex Baumann, LUSC, 1981 200 free 400 free 3:47.27 Brian Johns, RAPID, 2000 15:04.14 Michael McWha, WAC, 1995 1500 free 54.56 Chris Renaud, UCSC, 1993 100 back 1:56.75 Tobias Oriwol, ESWIM, 2002 200 back 59.93 Morgan Knabe, UCSC, 1999 100 breast 200 breast 2:11.22 Morgan Knabe, UCSC, 1999 53.77 Adam Sioui, TD, 2000 100 fly 200 flv 1:57.66 Adam Sioui, TD, 1999 200 IM 1:59.35 Curtis Myden, UCSC, 1991 400 IM 4:12.62 Tobias Oriwol, ESWIM, 2001 4x50 MR 1:44.53 Markham AC, MAC, 1994

3:50.48 Nanaimo Riptide ST,NRST,1997

3:28.30 Manta Swim Club, MANTA, 1995

1:34.58 Markham AC.MAC.1992

4x100 MR

4x50 FR

4x100 FR

10 & UNDER BOYS SHORT COURSE

		S SHORT COURSE
100 free	1:02.65	Shauna Collins,ROD,1988
400 free	4:51.13	Shannon Hackett,PDSA,1999
100 back	1:13.00	Mallory Hoekstra, EKSC, 1999
100 back 100 breast 100 fly	1:22.68	Whitney Rich,ISS,1999
		Shauna Collins,ROD,1988
200 IM	2:35.89	Alison Dozzo,NYAC,1979
44 40 01	DI O	OHODT OOHDOE
11- 12 GI		SHORT COURSE
50 free	26.34	Lori Melien, AAC, 1985
100 free 200 free	57.36 2:05.41	Lori Melien,AAC,1985 Shauna Collins,ROD,1990
400 free		Stephanie Shewchuk, PCSC, 1987
800 free		Stephanie Shewchuk, PCSC, 1987
1500 free		Patricia Noall, BBF, 1983
100 back	1:04.33	Brooke Buckland, WTSC, 2002
200 back	2:19.97	Brooke Buckland, WTSC, 2002
100 breast	1:10.11	Allison Higson, ESC, 1985
100 breast 200 breast	2:30.55	Courtenay Chuy, HYACK, 1998
100 fly	1:04.82	Kaleigh McKinnon,NYAC,2003
200 fly	2:18.09	Michelle Coulombe, CNMN, 1978
200 IM	2:19.25	Allison Higson,ESC,1985
400 IM		Allison Higson,ESC,1985
4x50 MR 4x100 MR	2:07.70	Markham AC,1994
4x100 MR	4:40.98	Cobra Swim Club,1999
4x50 FR		Regina Opt.Dolphins,1990
4x100 FR	4:12.35	Regina Opt.Dolphins,1989
13-14 GI	DIC	SHORT COURSE
50 free	26.04	Kristin Topham,MANTA,1988
100 free	56.29	Shauna Collins,ROD,1990
200 free	2:00.88	Jane Kerr,ESC,1983
400 free	4:12.58	Brittany Reimer, SKSC, 2002
800 free		Brittany Reimer, SKSC, 2002
1500 free		Brittany Reimer, SKSC, 2002
100 back	1:02.21	Suzanne Weckend, IS,1992
200 back	2:12.86	Kelly Stefanyshyn, MANTA, 1997
100 breast 200 breast	1:08.64	Allison Higson, ESC, 1988
200 breast	2:26.48	Alison Higson,ESC,1988
100 fly	1:02.60	Jennifer Fratesi, SSMAC, 1999
200 fly	2:13.75 2:16.79	Sandra Marchand, ENL, 1988
		Allison Higson,ESC,1987
400 IM		Carrie Burgoyne, MANTA, 1996
4x50 MR	2:00.93	Etobicoke SC,1997
4x100 MR	4:25.74	Edmonton Keyano, 1985
4x50 FR 4x100 FR	1:48.47 3:58.66	Etobicoke SC,1997 Etobicoke Swimming,1999
48100111	3.30.00	Etobicoke Swiffining, 1999
15-17 GII	RLS	SHORT COURSE
50 free	25.25	Shannon Shakespeare,MM,1993
100 free	54.75	Shannon Shakespeare, MM, 1994
200 free	1:58.85	Shannon Skakespeare, MM, 1994
400 free	4:07.79	Nikki Dryden,IS,1993
800 free	8:31.65	Nikki Dryden,IS,1993
1500 free	16:23.60	Cindy Bertelink, COBRA, 1993
100 back	1:00.43	Kelly Stefanyshyn,PDSA,1999
200 back	2:07.73	Jennifer Fratesi,ROW,2001
100 breast		Tara Sloan, UCSC, 1997
200 breast		Anne Ottenbrite, AAC, 1984
100 fly	1:00.45	Kristin Topham, EPS, 1991
200 flv	e1:00.45	Jennifer Fratesi,ROW,2000
200 fly 200 IM	2:09.47 2:12.50	Jessica Deglau,PDSA,1998 Nancy Sweetnam,LLSC,1991
400 IM	4:39.32	Nancy Sweetnam,LLSC,1991
4x50 MR	1:57.44	Mississauga AC,MSSAC,2001
4x100 MR	4:15.81	Etobicoke Pepsi,1991
4x50 FR	1:45.47	Toronto All Stars,2003
4x100 FR	3:48.19	Toronto All Stars,2001

#### 10 & UNDER BOYS LONG COURSE 100 free 1:05.02 Andrew Bignall, SSMAC, 1994 400 free 4:55.60 Trevor Jakisch, SJS, 1978 100 back 1:14.50 Andrew Bignall, SSMAC, 1994 100 breast 1:22.79 David Cheung, CREST, 1992 100 fly 1:13.20 Alex Baumann, LUSC, 1994 200 IM 2:35.84 Tobias Oriwol, PCSC, 1996 LONG COURSE 11-12 BOYS 50 free 26.17 John M.Mills,GO,1992 57.20 Miguel Munoz, ESC, 1986 100 free 2:05.83 Chuck Sayao, TOMAC, 1995 200 free Chuck Sayao, TOMAC, 1995 400 free 4:19.04 17:05.50 Nicolas Richards, PCSC, 1984 1500 free 100 back 1:05.60 Tobias Oriwol, PCSC, 1998 200 back 2:18.05 Tobias Oriwol, PCSC, 1998 100 breast 1:12.24 David Cheung, CREST, 1994 200 breast 2:36.28 Ryan Chiew, HYACK, 1999 1:03.26 Michael Caulkins, IS, 1990 100 fly Jonathan Cantin, PLUS, 1991 200 fly 2:19.88 200 IM 2:21.81 Brian Johns, RACER, 1995 400 IM 5:03.60 Andrew Cho, HYACK, 1996 4x50 MR 2:06.96 Mississauga AC, 1992 4x100 MR 4:46.01 Hamilt-Wentworth AC, 1991 4x50 FR 1:54.21 Hamilt-Wentworth AC, 1991 4x100 FR 4:10.79 Regina Opt. Dolphins, 1988 13-14 BOYS LONG COURSE 23.97 50 free Kurtis Miller, SCAR, 2000 100 free 52.91 Yannick Lupien, CAGRA, 1994 200 free 1:55.97 Brian Johns, RACER, 1997 400 free 4:05.63 Jamie Stevens, MANTA, 1989 1500 free 16:00.93 Alex Baumann, LUSC, 1979 Tobias Oriwol, ESWIM, 2000 100 back 58.92 200 back 2:05.16 Tobias Oriwol, ESWIM, 2000 1:04.53 Matthew Huang, PDSA, 1999 100 breast 200 breast 2:19.95 Matthew Huang, PDSA, 1999 Philip Weiss, SKSC, 1994 100 fly 57.45 200 fly 2:05.20 Philip Weiss, SKSC, 1994 200 IM Tobias Oriwol, ESWIM, 2000 2:09.65 400 IM 4:32.29 Tobias Oriwol, ESWIM, 2000 4x50 MR 1:54.59 Etobicoke Swimming, 1998 4x100 MR 4:16.08 Cambridge AC, 1983 4x50 FR 1:42.33 Etobicoke Swimming, 1998 4x100 FR 3:46.40 Regina Opt. Dolphins. 1990

#### 15-17 BOYS LONG COURSE 23.19 Yannick Lupien, GO, 1997 50 free 100 free 51.14 Yannick Lupien, CAGRA, 1996 Brian Johns, RAPID, 2000 200 free 1:50.34 Andrew Hurd, MSSAC, 2000 400 free 3:52.23 1500 free 15:12.70 Andrew Hurd, MSSAC, 2000 56.19 Tobias Oriwol, ESWIM, 2002 100 back 2:00.03 Tobias Oriwol, ESWIM, 2001 200 back 1:02.53 Morgan Knabe, UCSC, 1999 100 breast 200 breast 2:15.45 Morgan Knabe, UCSC, 1999 100 fly 54.50 Adam Sioui, TD, 1999 200 fly 2:00.78 Peter Ward, CDSC, 1981 200 IM 2:02.78 Alex Baumann, LUSC, 1981 400 IM 4:19.99 Chuck Sayao, MSSAC, 2001 4x50 MR 1:46.72 Markham AC, MAC, 1994 4x100 MR 3:56.43 Edmonton Keyano, EKSC, 1997 4x50 FR 1:35.93 Markham AC, MAC, 1994 4x100 FR 3:34.55 Etobicoke SC,ETOB,1987

10 & UND	ED CIDI	<b>S</b> LONG COURSE
100 free	1:04.42	Shauna Collins,ROD,1088
400 free	4:48.72	Amanda Hansford,ROW,1996
100 back	1:15.87	Jennifer Fratesi, SSMAC, 95
100 breast		Kelly Timmons, OSC, 1997
100 fly 200 IM	1:13.09 2:41.44	Tracy Osswald, VPSC, 1975 Mallory Hoekstra, EKSC, 1998
200 1101	2.41.44	ivialiony mockstra, LNOO, 1990
11- 12 GI		LONG COURSE
50 free	27.16	Shauna Collins, ROD, 1990
100 free 200 free	58.04 2:03.72	Shauna Collins, ROD,1990 Shauna Collins, ROD,1990
400 free	4:28.48	Shauna Collins, ROD, 1990
800 free	9:12.83	Shannon Smith, VanPks, 1974
1500 free	17:31.64	Stephanie Shewchuk, PCSC, 1987
100 back	1:07.31	Michelle Cruz, ACE, 1993
200 back	2:24.64	Michhele Cruz, ACE, 1993
100 breast 200 breast	2:34.11	Allison Higson,ESC,1986 Allison Higson,ESC,1986
100 fly	1:05.51	Shauna Collins, ROD, 1990
200 fly	2:22.47	Michelle Coulombe, CNMN, 1977
200 IM	2:21.55	Allison Higson,ESC,1986
400 IM	5:02.71	Joanne Malar, HWAC, 1988
4x50 MR	2:10.53	Regina Opt. Dolphins, 1990
4x100 MR 4x50 FR	4:48.79 1:55.93	Canadian Dolphin SC,1982 Regina Opt.Dolphins,1995
4x100 FR	4:13.15	Regina Opt.Dolphins,1990
13-14 GIF	919	LONG COURSE
50 free	26.51	Lori Melien,AAC,1986
100 free	56.91	Julie Howard, BRANT, 1991
200 free	2:03.35	Julie Barbeau,ELITE,1989
400 free	4:14.60	Shannon Smith, HYACK, 1976
800 free	8:44.45	Michelle Sallee, CDSC, 1988
1500 free 100 back	16:45.70 1:03.28	Shyanne Shannon,UNATT,1990 Nancy Garapick,HTAC,1976
200 back	2:15.60	Nancy Garapick,HTAC,1976
100 breast		Allison Higson,ESC,1986
200 breast	2:29.18	Courtenay Chuy, HYACK, 1998
100 fly	1:02.87	Julie Howard, BRANT, 1991
200 fly 200 IM	2:15.76 2:18.08	Sandra Marchand, ENL, 1988 Allison Higson, ESC, 1988
400 IM	4:52.35	Joanne Malar, HWAC, 1990
4x50 MR	2:02.81	Etobicoke Swimming,1997
4x100 MR	4:31.93	Manta Swim Club,1996
4x50 FR 4x100 FR	1:50.15 4:01.89	Etobicoke Swimming,1997 Regina Opt Dolphins,1991
400111	4.01.03	negina opi Doipinis, 1991
15-17 GIF		LONG COURSE
50 free	25.92	Laura Nicholls,ROW,1996
100 free 200 free	56.61 2:01.08	Shannon Shakespeare, MM, 1995 Jane Kerr, ESC, 1985
400 free	4:14.45	Donna McGinnis,ESC,1986
800 free	8:39.19	Debbie Wurzburger,LYAC,1988
1500 free	16:37.54	Brittany Reimer, SKSC, 2003
100 back	1:02.14	Kelly Stefanyshyn, PDSA, 1999
200 back 100 breast	2:11.16 1:08.86	Jennifer Fratesi,ROW,2001 Allison Higson,EPS,1988
200 breast	2:27.27	Allison Higson,EPS,1988
100 fly	1:00.20	Audrey Lacroix, CAMO, 2001
200 fly	2:11.29	Jessica Deglau,PDSA,1998
200 IM	2:15.61	Nancy Sweetnam, LLSC, 1990
400 IM 4x50 MR	4:47.62 1:59.20	Nancy Sweetnam,LLSC,1991 Pointe Claire SC,1976
4x100 MR	4:20.91	Etobicoke SC,1983
4x50 FR	1:47.46	Etobicoke Swimming,2000
4x100 FR	3:55.04	Etobicoke SC,1983

# 10th FINA World Championships - Barcelona - July 2003 Swimming Order of Events

Day 1 20 Prelims 9:0	July O am	Saturday	Day 2 Prelims 9:	<b>21 July</b> <i>00 am</i>	Sunday	Day 3 Prelims 9:0	<b>22 July</b> <i>10 am</i>	Monday	Day 4 Prelims 9:0	<b>23 July</b> <i>00 am</i>	Tuesday
100 fly	W		100 breast	W		50 breast	M		50 back	W	
400 free	M		200 free	M		200 free	W		100 free	M	
400 free	W		100 back	W		200 fly	M		200 fly	W	
50 fly	M		100 back	M					200 breast	M	
200 IM	W		1500 free	W					4x200 free	M	
100 breast	M										
4x100 free	W										
4x100 free	M										
Finals 18:00	) pm		Finals 18:0	00 pm		Finals 18:0	0 pm		Finals 18:0	10 pm	
100 fly	W	semis	100 fly	W	final	50 breast	M	semis	100 free	M	semis
400 free	M	final	50 fly	M	final	1500 free	W	final	50 back	W	semis
400 free	W	final	100 breast	W	semis	200 free	M	final	50 breast	M	final
50 fly	M	semis	200 free	M	semis	100 breast	W	final	200 free	W	final
200 IM	W	semis	100 back	W	semis	100 back	M	final	200 fly	M	final
100 breast	M	semis	100 breast	M	final	200 free	W	semis	200 breast	M	semis
4x100 free	W	final	200 IM	W	final	200 fly	M	semis	200 fly	W	semis
4x100 free	M	final	100 back	M	semis	100 back	W	final	4x200 free	M	final

# Olympic Games - Athens - August 2004 Swimming Order of Events

Day 1 Aug 14 Saturday Prelims 10.00 am			Day 2 Aug 15 Sunday Prelims 10:00 am			Day 3 Aug 16 Monday Prelims 10:00 am			Day 4 Aug 17 Tuesday Prelims 10:00 am		
400 IM	M		100 back	W		200 free	W		100 free	M	
100 fly	W		200 free	M		200 fly	Μ		200 fly	W	
400 free	M		100 breast	W		200 IM	W		200 breast	M	
400 IM	W		100 back	M					4x200 free	M	
100 breast	M		400 free	W							
4x100 free	W		4x100 free	M							
Finals 19:00 pm			Finals 19:00 pm			Finals 19:00 pm			Finals 19:00 pm		
400 IM	M	final	100 back	W	semis	200 free	W	semis	100 free	M	semis
100 fly	W	semis	200 free	M	semis	200 free	M	final	200 free	W	final
400 free	M	final	100 fly	W	final	100 back	W	final	200 fly	M	final
400 IM	W	final	100 breast	M	final	100 back	M	final	200 fly	W	semis
100 breast	M	semis	100 breast	W	semis	100 breast	W	final	200 breast	M	semis
4x100 free	W	final	100 back	M	semis	200 fly	Μ	semis	200 IM	W	final
			400 free	W	final	200 IM	W	semis	4x200 free	M	final
			4x100 free	M	final						

# 10th FINA World Championships - Barcelona - July 2003 Swimming Order of Events

Day 5 Wednesday Prelims 9:0	24 July		<b>Day 6</b> 2 <b>Prelims 9:00</b> 50 fly	<b>25 July Tl</b> <i>1 am</i> W	nursday	<b>Day 7</b> 26 <i>Prelims 9:00 at</i> 50 breast	July m W	Friday	<b>Day 8 27  Prelims 9:00 at</b> 400 IM	-	aturday
100 free	W		100 fly	M		50 back	M		400 IM	W	
200 back	M		800 free	W		50 free	W		4x100 medley	M	
200 back 200 breast	W		50 free	M		1500 free	M		4x roo modicy	IVI	
200 IM	M		200 back	W		4x100 medley	W				
4x200 free	W		200 back	VV		4x roo modicy	V V				
800 free	M										
Finals 18:00	) pm W	final	Finals 18:00	•	final	Finals 18:00 pm		final	Finals 18:00 pm		final
50 back		final	800 free	M	final	50 fly	W	final	50 back	M	final
200 breast	M	final	100 free	W	final	50 breast	W	semis	50 breast	W	final
100 free	W	semis	50 free	M	semis	50 back	M	semis	1500 free	M	final
200 back	M	semis	50 fly	W	semis	200 back	W	final	50 free	W	final
200 fly	W	final	100 fly	M	semis	50 free	M	final	400 IM	M	final
100 free	M	final	200 breast	W	final	800 free	W	final	400 IM	W	final
200 breast	W	semis	200 back	M	final	50 free	W	semis	4x100 medley	M	final
200 IM	M	semis	200 back	W	semis	100 fly	M	final			
4x200 free	W	final	200 IM	M	final	4x100 medley	W	final			

# Olympic Games - Athens - August 2004 Swimming Order of Events

Day 5 A Wednesday Prelims 10:00	Aug 18 <i>0 am</i>		<b>Day 6</b> <i>Prelims 10:0</i> 50 free	<b>Aug 19 Th</b> <i>O am</i> M	ursday	<b>Day 7</b> Au <i>Prelims 10:00</i> 50 free	<b>ig 20</b> <i>am</i> W	Friday	Day 8 A	ıg 21	Saturday
100 free	W		800 free	W		1500 free	M				
200 back	M		100 fly	M		4x100 medley	W				
200 breast	W		200 back	W		4x100 medley	M				
200 IM	M										
4x200 free	W										
Finals 19:00 200 breast 100 free 200 back 200 fly 100 free 200 breast 200 IM 4x200 free	pm W W M W M W	final semis semis final final semis semis final	Finals 19:00 50 free 200 breast 200 back 200 back 200 IM 100 free 100 fly	pm M W M W W M	semis final semis final final semis	Finals 19:00 p 200 back 100 fly 800 free 50 free 50 free	m W M W M	final final final semis	Finals 18:00 p 50 free 1500 free 4x100 medley 4x100 medley	W M	final final final final

## **EAST-WEST CHAMPIONSHIPS**

East - London, ON, West - Regina, SK Feb 20-23 (25 m)

#### **BOYS 16 & YOUNGER**

#### **50 METRES FREESTYLE**

- 23.94 Philippe Drolet.16.ELITE
- 2) 24.06 Vincent Boulanger-M,15,CSQ
- 3) 24.45 Octavian Petre, 16, CAMO
- 24.45 Nicolas Murray,16,UL 4)
- 24.55 Wesley Newman, 16, DDO 5)
- 6) 24.61 Mark Kurtzer, 15, NEW
- 24.70 Jackson Wang, 15, DELTA 7)
- 8) 24.82 Hans Fracke, 16, USC

#### 100 METRES FREESTYLE

- 1) 52.24 Vincent Boulanger-M,16,CSQ
- 2) 52.54 Nicolas Murray, 16, UL
- 3) 53.16 Greer Jacks.15.PCS
- 4) 53.38 David Provencher-F,16,DDO
- 5) 53.55 Wesley Newman, 16, DDO 53.64 Octavian Petre, 16, CAMO
- 6)
- 7) 53.66 Darren Tso,15,LASC-RSA
- 8) 53.71 Kyle Sorrenti, 16, BRSA

#### **200 METRES FREESTYLE**

- 1) 1:54.25 Justin Bronson,16,0SHAC
- 2) 1:54.31 Greer Jacks.15.PCS 3)
- 1:55.10 Vincent Boulanger-M,16,CSQ 4) 1:55.61 Wesley Newman, 16, DDO
- 1:55.71 Zachary Hurd, 16, BTSC 5)
- 6) 1:55.75 Colin Ackroyd,16,AAC 7) 1:55.78 Pascal Wollach, 15, CASC
- 8) 1:55.83 David Provencher-F.16.DDO

#### **400 METRES FREESTYLE**

- 1) 4:03.12 Mark Kurtzer, 15, NEW
- 2) 4:04 95 Chris Bento 15 LAC
- 3) 4:04.96 Marco Monaco,16,TO 4) 4:05.92 Greer Jacks, 15, PCS
- 4:05.94 Ray Betuzzi.15.UCSC
- 4:06.07 Pascal Wollach, 15, CASC 7) 4:06.85 Justin Bronson,16,0SHAC
- 8) 4:06.88 Renaud Laliberte.14.EXCEL

#### 1500 METRES FREESTYLE

- 1) 16:03.54 Pascal Wollach.15.CASC 2) 16:05.27 Ray Betuzzi,15,UCSC
- 3) 16:15.37 Nelson Niedzielski,15,T0
- 4) 16:25.59 Ryan Cochrane,14,IS
- 5) 16:30.66 James Monk,16,UBCD
- 6) 16:33.44 Gavin D'Amico, 15, EKSC
- 7) 16:34.14 David Provencher-F,16,DDO
- 8) 16:35.32 Zachary Glassman, 16, DDO

#### **50 METRES BACKSTROKE**

- 27.18 Wesley Newman, 16, DDO 1)
- 2) 27.32 Colin Ackroyd, 16, AAC
- 3) 27.78 Kyle Sorrenti, 16, BRSA
- 4) 27.79 Pascal Wollach, 15, CASC
- 27.84 Eric Gendron, 16, BRSA 5)
- 6) 27.92 John Lapins 15 EXST 28.03 Lee Grant.15.UCSC
- 7)
- 28.07 Daniel Vollmer, 16, AAC

#### 100 METRES BACKSTROKE

- 57.49 Colin Ackroyd, 16, AAC 1) 58.40 Wesley Newman, 16, DDO 2)
- 3) 58.92 Andrej Lenert, 16, NKB
- 4) 59.19 Eric Gendron, 16, BRSA
- 59.30 Kyle Sorrenti, 16, BRSA 5)
- 6) 59.52 Alex Desilets 15.MEGO
- 7) 59.73 Daniel Vollmer, 16, AAC 59.84 Donald Ellison, 16, NEW

#### **200 METRES BACKSTROKE**

1) 2:04.46 Colin Ackroyd,16,AAC

- 2) 2:06.30 Kyle Sorrenti,16,BRSA
- 2:06.60 Richard Alexander, 15, IS
- 2:06.64 Scott VanDoormaal,15,GMAC
- 2:06.64 Eric Gendron,16,BRSA
- 2:06.71 John Lapins.15.EXST
- 7) 2:07.27 Wesley Newman,16,DD0 2:08.01 Andrei Lenert.16.NKB

#### **50 METRES BREASTSTROKE**

- 30.05 Raymond Chow, 16, TMSC
- 30.23 Marco Monaco, 16, TO 2)
- 30.57 Ryan Chiew, 16, SFA 3)
- 4) 30.59 Mathieu Bois,14,HIPPO
- 30.68 Bryan Mell.15.ESWIM 5)
- 30.77 Kyle Sorrenti, 16, BRSA 30.89 Adam Dunn,16,AAC 7)

#### 8) 31.26 Matt Derochie, 16, BRSA 100 METRES BREASTSTROKE

- 1) 1:04.83 Raymond Chow.16.TMSC
- 1:05.80 Mathieu Bois,14,HIPPO 1:06.62 Bryan Mell,15,ESWIM
- 1:06.80 Kyle Sorrenti, 16, BRSA
- 1:07.00 Ryan Chiew, 16, SFA
- 1:07.25 Kevin Harmidy,16,PCSC
- 1:07.53 Bryn Jones, 16, NEW 7)
- 1:07.74 Andrew Malawski,15,ROD

#### 200 METRES BREASTSTROKE

- 1) 2:18.23 Marco Monaco.16.TO
- 2) 2:21.86 Raymond Chow,16,TMSC 3)
- 2:22.94 Kevin Harmidy,16,PCSC 2:24.56 Brvan Mell.15.ESWIM
- 2:24.73 Michael Materski, 15, TO
- 2:25.17 Zachary Glassman, 16, DDO
- 7) 2:25 75 Brvn Jones 16 NFW
- 8) 2:27.07 Sean Armstrong,15,EKSC

#### **50 METRES BUTTERFLY**

- 25.92 Justin Bronson, 16, OSHAC 1)
- 2) 26.11 Philippe Drolet, 16, ELITE 3) 26.33 Jeff Byrne, 15, SSMAC
- 4) 26.40 Matt Derochie, 16, BRSA
- 5) 26.61 David Milot, 15, PCSC
- 26.87 Simon Cournoyer,16,ELITE 6)
- 7) 26.92 Alex Agostino, 16, LAVAL
- 27.02 Bryce Tung, 16, ESWIM 8)

#### **100 METRES BUTTERFLY**

- 57.22 Jeff Byrne, 15, SSMAC
- 57.23 Philippe Drolet,16,ELITE 2) 57.47 Roman Dagash, 15, CAMO 3)
- 57.73 Justin Bronson, 16, OSHAC 4)
- 58.13 Matt Derochie, 16, BRSA 5)
- 58.20 Colin Ackroyd, 16, AAC 6)
- 58.59 Nathan Ferguson, 16, EBSC 7)

#### 58 79 David Milot 15 PCSC

- 200 METRES BUTTERFLY 2:07.04 Roman Dagash, 15, CAMO
- 2:07.19 Philippe Drolet,16,ELITE
- 2:08.48 Zachary Hurd, 16, BTSC
- 2:10.50 James Monk, 16, UBCD
- 2:10.93 Jeff Byrne.15.SSMAC 5)
- 2:11.18 Bryce Tung, 16, ESWIM
- 2:11.87 Steven Marcoux, 16, EXCEL 7) 8) 2:11.99 Endi Babi,14,ESWIM

#### 200 METRES IND. MEDLEY

- 1) 2:06.25 Marco Monaco.16.TO
- 2:07.48 Colin Ackroyd, 16, AAC
- 2:08.58 Nicolas Murray, 16, UL 2:09.00 Mathieu Bois,14,HIPPO
- 2:09.23 Kyle Sorrenti, 16, BRSA
- 2:09.76 Matt Derochie,16,BRSA
- 2:11.26 Richard Alexander 15 IS 8) 2:12.46 Derek Richter, 16, ROD

7)

#### **400 METRES IND. MEDLEY**

- 1) 4:33.60 Marco Monaco.16.TO
- 4:36.34 Kyle Sorrenti,16,BRSA
- 3) 4:37.80 Zachary Glassman,16,DDO
- 4) 4:37.95 Tristan Armstrong.15.BRSA
- 5) 4:37.96 Matt Derochie,16,BRSA
- 6) 4:39.37 Nicolas Murray.16.UL 4:39.64 Chris Bento, 15, LAC
- 8) 4:40.33 Renaud Laliberte, 14, EXCEL

#### **GIRLS 15 & YOUNGER**

#### **50 METRES FREESTYLE**

- 26.33 Julia Wilkinson, 15, SKYAC
- 2) 26.48 Genevieve Saumur, 15, CAMO
- 3) 26.72 Frica Beaton 14 HYACK
- 26.79 Emily Gillespie, 15, PERTH 5) 26.83 Kirsten Pomerleau, 15, UCSC
- 26.92 Allison Bennett, 15, NYAC 6)
- 7) 27.05 Justina Di Fazio,15,TO 27.07 Catherine Lee Ha,15,ESWIM

#### 100 METRES FREESTYLE

- 56.91 Genevieve Saumur, 15, CAMO
- 56.99 Brittany Reimer, 15, SKSC 2)
- 57.23 Emily Gillespie, 15, PERTH 3) 4) 57.29 Kirsten Pomerleau, 15, UCSC
- 57.30 Allison Bennett, 15, NYAC 5)
- 6) 57.47 Julia Wilkinson, 15, SKYAC
- 7) 57.85 Maya Beaudry, 14, UBCD

#### 57.93 Julianne Toogood,15,MM 8)

- 200 METRES FREESTYLE 2:01.87 Brittany Reimer, 15, SKSC
- 2) 2:03.81 Maya Beaudry.14.UBCD
- 2:04.24 Emily Gillespie,15,PERTH
- 2:04 45 Seanna Mitchell 14 NKB 2:04.84 Genevieve Saumur, 15, CAMO 5)
- 2:05.65 Allison Bennett, 15, NYAC
- 7) 2:06.00 Amanda Bell,15,UCSC

#### 8) 2:07.16 Natalie Chan,14,UBCD

- **400 METRES FREESTYLE** 1) 4:14.12 Brittany Reimer, 15, SKSC
- 4:18.40 Amanda Bell,15,UCSC
- 4:19.88 Maya Beaudry,14,UBCD
- 4:20.90 Bevan Halev.15.WTSC
- 4:24.16 Stephanie Pollard,14,IS
- 4:24.95 Sarah Mayzes, 15, IS 4:25.87 Mary C. Steiner, 14, USA 7)

#### 4:28.30 Anne Schmuck, 15, PSW

- **800 METRES FREESTYLE** 1) 8:39.24 Brittany Reimer, 15, SKSC
- 2) 8:51.04 Amanda Bell,15,UCSC
- 3) 8:54.61 Bevan Haley,15,WTSC
- 9:04.29 Anne Schmuck, 15, PSW
- 9:11.20 Emiley Jellie, 15, ROW
- 6) 9:12.11 Danielle Sanders.13.ESWIM
- 7) 9:12.33 Laura Murray, 13, SJL

849

849

4)

5)

# 3) Rating Summary of Boys 16 & younger

872 2.18 23 200 breast M 2) 856 2.07 48 200 IM M 3) 850 16:03 54 1500 free M 1:54.31

# 1:54 25 Rating Summary of Girls 15 & younger

1) 8:39 24 800 free W 903 1.02 29 100 back W 2) 3) 902 8:51.04 800 free W 899 200 IM W 4) 2:18.43

2:18.59

Brittany Reimer, 15, SKSC Genevieve Saumur, 15, CAMO Amanda Bell, 15, UCSC

Julia Wilkinson, 15, SKYAC

200 IM W Whitney Rich, 15, LAC

28.97 Stephanie Pollard,14,IS

8) 9:13.65 Maya Beaudry,14,UBCD

29.12 Genevieve Saumur.15.CAMO

29.60 Brooke Buckland 13. FAST

30.55 Emily Gillespie, 15, PERTH

30.55 Shannon McQueen, 16, NKB

30.62 Landice Yestrau, 15, MM

1) 1:02.29 Genevieve Saumur,15,CAMO

2) 1:03.04 Brooke Buckland,13,EAST

1:03.43 Landice Yestrau,15,MM

1:03.63 Emily Gillespie,15,PERTH

5) 1:03.70 Kirsten Pomerleau,15,UCSC

6) 1:04.82 Whitney Buczkowski,14,BRSA

7) 1:04.88 Julia Wilkinson,15,SKYAC

8) 1:05.19 Shannon McQueen,15,NKB

1:05.19 Katy Murdoch, 15, NWO

2) 2:16.55 Genevieve Saumur, 15, CAMO

1) 2:15.70 Brittany Reimer, 15, SKSC

3) 2:17.82 Landice Yestrau,15,MM

2:18.78 Katy Murdoch, 15, NWO

6) 2:19.32 Brooke Buckland.13.EAST

7) 2:20.28 Alexa Komarnycky, 13, ESWIM

8) 2:21.97 Whitney Buczkowski,14,BRSA

33.32 Whitney Rich, 15, LAC

33.65 Katrina Obas, 15, NKB

34.35 Penny Baxter, 14, NKB

34.41 Hanna Pierse, 14, EKSC

100 METRES BREASTSTROKE

1) 1:10.85 Whitney Rich,15,LAC

4) 1:13.51 Hanna Pierse,14.EKSC

5) 1:13.51 Katrina Obas, 15, NKB

6) 1:13.81 Lynsey Pasloski,15,WGB

7) 1:14.01 Nicoletta Lakatos,15,TO

8) 1:14.34 Rachel Chan,14,TO

**200 METRES BREASTSTROKE** 

1) 2:32.19 Whitney Rich, 15, LAC

2) 2:34.37 Hanna Pierse.14.EKSC

3) 2:35.16 Julia Wilkinson,15,SKYAC

4) 2:36.64 Lynsey Pasloski,15,WGB

2:38.26 Katrina Obas, 15, NKB

2:38.29 Kathryn Sutton, 14, IS

7) 2:38.70 Nicoletta Lakatos, 15, TO

**50 METRES BUTTERFLY** 

8) 2:38.98 Mireille Tremblay,14,CNCB

27 94 Genevieve Saumur 15 CAMO

28.67 Allison Bennett, 15, NYAC

28.92 Emily Gillespie, 15, PERTH

Marco Monaco,16,TO

Colin Ackroyd, 16, AAC

Greer Jacks, 15, PCS

Pascal Wollach 15 CASC

Justin Bronson, 16, OSHAC

2) 1:11.43 Julia Wilkinson,15,SKYAC

1:12.97 Morgan Kierstead,14,EAST

34.05 Lynsey Pasloski,15,WGB

34.07 Katerina Symes, 14, EKSC

34.16 Morgan Kierstead,14,EAST

34.26 Elizabeth Hendrick, 15, BRSA

**50 METRES BREASTSTROKE** 

2:18.85 Shannon McQueen, 15, NKB

**200 METRES BACKSTROKE** 

30.76 Julia Wilkinson, 15, SKYAC

30.61 Whitney Buczkowski,14,BRSA

30.54 Kirsten Pomerleau.15.UCSC

**50 METRES BACKSTROKE** 

100 METRES BACKSTROKE

1)

2)

3)

4)

5)

6)

7)

3)

4)

4)

5)

1)

2)

3)

4)

5)

6)

7)

5)

1)

2)

200 free M

200 free M

- 29.16 Nadia Kumentas, 15, TO
- 29.39 Katie Kotlowski.15.LOSC
- 7) 29.42 Jillian Tyler.14.CASC
- 29.42 Kayla Rawlings.15.LOSC

#### **100 METRES BUTTERFLY**

6)

- 1) 1:03.12 Genevieve Saumur, 15, CAMO
- 1:03.87 Kayla Rawlings, 15, LOSC 2)
- 4) 1:03.92 Nadia Kumentas,15,T0
- 5) 1:04.16 Stephanie Pollard,14,IS
- 6) 1:04.23 Allison Bennett,15,NYAC
- 7) 1:04.58 Kimberly Kabesh,15,STSC

- **200 METRES BUTTERFLY**

- 2:21.82 Bevan Haley, 15, WTSC
- 7) 2:21.96 Stephanie Pollard,14,IS

#### 8) 2:23.22 Hollis Roth,14,PCS

- 1) 2:18.43 Julia Wilkinson, 15, SKYAC
- 4) 2:20.03 Anne Schmuck, 15, SKSC
- 5) 2:20.04 Stephanie Pollard,14,IS
- 2:21.26 Ashley Marion, 15, LAC

- 400 METRES IND. MEDLEY
- 1) 4:53.60 Brittany Reimer, 15, SKSC
- 2) 4:57.13 Julia Wilkinson,15,SKYAC
- 3) 4:59.00 Stephanie Pollard,14,IS 4:59.42 Anne Schmuck, 15, SKSC
- 6) 5:00.37 Mireille Tremblay,14,CNCB 7) 5:02.00 Ashley Marion,15,LAC

- **50 METRES FREESTYLE**
- 23.24 Brad Mori,25,EXST 2)
- 23.38 Richard Hortness, 17, RSA 5)
  - 23.69 Ben Schach, 17, NEW
- 23.70 Dominique Bourdages,21,CAMO 7) 8) 23.74 Graeme Tozer,17,MM
- 100 METRES FREESTYLE
- 50.65 Richard Hortness, 17, RSA 2)
- 3) 50.74 Graeme Tozer,17,MM
- 5)

#### 7) 51.32 Kevin Gillespie, 17, EXST

- 51.44 Mark Thauvette, 18, CAMO
- 1) 1:49.97 Keith Beavers, 20, ROW
- 4) 1:52.89 Kevin Laflamme, 16, UL

#### 6)

#### 1:53.98 Graeme Tozer.17.MM

- 1) 3:57.93 Jonathan Long.17.LAC

- 1:03.88 Emily Gillespie, 15, PERTH

- 1:04.74 Anne Marie Frechette, 15, CNB

- 1) 2:19.29 Kimberly Kabesh 15.STSC
- 2) 2:20.04 Kaleigh McKinnon,13,TORCH
- 3) 2:20.05 Ashley Marion,15,LAC 4) 2:20.10 Kayla Rawlings, 15, LOSC
- 2:20.88 Tawnya Rudy,15,SCAR

#### 200 METRES IND. MEDLEY

- 2:18.59 Whitney Rich,15,LAC
- 3) 2:18.90 Brittany Reimer, 15, SKSC
- 6) 2:20.42 Emily Gillespie.15.PERTH
- 8) 2:23.10 Seanna Mitchell,14,NKB

- 5) 5:00.22 Whitney Rich,15,LAC
- 8) 5:05.57 Hannah Vaughan,14,EAST

# **BOYS 17 & OLDER**

- 23.08 Simon MacDonald, 23, NKB 1)
- 23.38 Kurtis Miller,17,SCAR 3)
- 23.64 Mark Thauvette.18.CAMO
- 50.37 Simon MacDonald.23.NKB 1)
- 50.78 Kurtis Miller, 17, SCAR 4)
- 6) 51.02 Kyle Smerdon.23.TO
- 200 METRES FREESTYLE
- 1:51.87 Mark Thauvette, 18, CAMO
- 5) 1:53.44 Aaron Blair,17,CASC
- **400 METRES FREESTYLE**

2) 2:50.40 Milead Panait 10 CNNC	L S) 25.04 Diobard Hartness 17.00A	2) 1:24.90 Montreal Aquatique	I 2\ 0.E1.70	Daray Coodridge 16 LIPCD
3) 3:59.48 Mikael Benoit,18,CNNG	5) 25.84 Richard Hortness,17,RSA	2) 1:34.80 Montreal Aquatique		Darcy Goodridge,16,UBCD
4) 4:00.06 Graeme Tozer,17,MM	6) 25.88 Kurtis Miller,17,SCAR	3) 1:36.52 Cascade Swim Club		Joan Bernier,18,CNCB
5) 4:00.48 Steven Medaglia,18,NKB	7) 26.05 Graeme Tozer,17,MM	4) 1:36.66 Newmarket SC	5) 8:56.72	Hayley Doody,17,UCSC
6) 4:03.03 Kevin Laflamme,16,UL	8) 26.33 Remi Lachapelle,22,CAMO	5) 1:36.74 Scarborough SC	6) 8:59.11	Alex Lachance-F,17,UL
7) 4:03.32 Devin Phillips,17,EKSC	100 METRES BUTTERFLY	6) 1:36.76 Longueuil	7) 8:59.77	Nathalie Lacoste, 17, TO
8) 4:03.94 John Calnan,23,NYAC	1) 52.73 Takashi Yamamoto,24,JPN	7) 1:36.81 Montreal Aquatique B	8) 9:03.29	Elizabeth Osterer, 17, NKB
1500 METRES FREESTYLE	2) 54.83 Simon MacDonald,23,NKB	8) 1:36.99 Excalibur Swim Team		BACKSTROKE
1) 15:44.94 Jonathan Long,17,LAC	3) 56.18 Callum Ng,17,CASC	,		
2) 15:55.71 Malcolm Lavoie,17,0SC	4) 56.40 Kurtis Miller, 17, SCAR	4X100 M FREE RELAY	1) 27.81	, ,
3) 16:02:50 Jerome Le Siege,19,LAVAL		1) 3:29.80 Nepean Kanata	2) 29.62	Hanna Kubas,17,UASC
,	1	2) 3:30.82 Montreal Aquatique	3) 29.93	Andrea Shoust, 16, SSMAC
4) 16:03.17 Jonathan Aubry,17,CNB	6) 57.22 Thomas Senecal,18,NEW	3) 3:31.61 Cascade Swim Club	4) 30.05	Jennifer Beckberger, 17, AAC
5) 16:08.75 Willie Derban,17,UCSC	7) 57.59 Abraham Alta Cesar,19,CAMO	4) 3:32.21 North York AC	5) 30.07	Stephanie Fennell, 18, ESWIM
6) 16:11.08 Matt Johnston,18,T0	8) 57.71 Richard Hortness,17,RSA	5) 3:32.23 Newmarket SC		Randi Beaulieu,17,T0
7) 16:11.54 Marcin Partyka,20,PGB	200 METRES BUTTERFLY	,		
8) 16:14.17 Joe Bajcar,17,T0	1) 1:57.27 Takashi Yamamoto,24,JPN	6) 3:32.53 Edmonton Keyano		Laura Nicholls,24,ROW
50 METRES BACKSTROKE	2) 2:03.80 Callum Ng,17,CASC	7) 3:33.81 London AC		Melissa Bartlett,16,CYPS
1) 25.29 Callum Ng,17,CASC	3) 2:04.40 Steven Medaglia,18,NKB	8) 3:33.82 Scarborough SC	100 METRE	S BACKSTROKE
2) 25.86 Kurtis Miller,17,SCAR	4) 2:04.75 Thierry Bannon,20,SAMAK		1) 1:00.13	Jennifer Carroll,21,MEGO
3) 26.12 Benoit Banville-Auger,20,MEGO	5) 2:04.85 Thomas Senecal,18,NEW	GIRLS 16 & OLDER	2) 1:01.82	Jennifer Fratesi,18,ROW
	'			Hanna Kubas, 17, UASC
4) 26.27 Remi Lachapelle,22,CAMO	6) 2:05.57 Francois Castonguay,20,CAMO	50 METRES FREESTYLE		Randi Beaulieu,17,T0
5) 26.59 Ryan Atkison,17,LAC	7) 2:06.08 John Calnan,23,NYAC			
6) 26.73 Mark Thauvette, 18, CAMO	8) 2:06.37 Michel Tremblay,21,CNCB	1) 25.92 Laura Nicholls,24,ROW		Erin Kardash,17,MM
7) 26.88 Marshall Bonner, 18, ROC	200 METRES IND.MEDLEY	2) 25.94 Erin Kardash,17,MM	1 1	Amanda Gillespie,18,NKB
8) 27.31 Jian-Lok Chang, 17, EKSC	1) 2:04.01 Steven Medaglia,18,NKB	3) 26.10 Victoria Poon,18,CAMO	7) 1:03.47	Andrea Shoust, 17, SSMAC
100 METRES BACKSTROKE	2) 2:04.49 Timothy Ruse,17,PCSC	4) 26.13 Jennifer Carroll,21,MEGO	8) 1:03.62	Julia Guay-Racine, 17, CAMO
1) 55.11 Benoit Banville-Auger, 20, MEGO	3) 2:04.89 Francois Castonguay,20,CAMO	5) 26.17 Jennifer Beckberger, 17, AAC	200 METRE	S BACKSTROKE
2) 55.15 Callum Ng,17,CASC	4) 2:06.81 Maxime Samson,17,ELITE	6) 26.18 Jennifer Porenta, 17, TO		Jennifer Fratesi,18,ROW
3) 55.67 Kurtis Miller,17,SCAR	5) 2:06.97 Roman Margulis,18,NYAC	7) 26.52 Sarah Gault,17,DD0	1 '	
1 :	6) 2:07.04 Conrad Aach,18,ESWIM			Amanda Gillespie, 18, NKB
	'	8) 26.53 Audrey Lacroix,19,CAMO		Sheena Martin,17,ROW
5) 56.79 Devin Phillips,17,EKSC	7) 2:07.08 Gregg Gleason,22,BROCK	100 METRES FREESTYLE	4) 2:16.39	Lynette Bayliss,17,UCSC
6) 57.12 Matt Hawes,16,NKB	8) 2:08.13 Thomas Senecal,18,NEW	1) 55.91 Laura Nicholls,24,ROW	5) 2:17.45	Julia Guay-Racine, 17, CAMO
7) 57.36 Remi Lachapelle,22,CAMO	400 METRES IND.MEDLEY	2) 56.04 Jennifer Porenta, 17, TO	6) 2:17.46	Chanelle Charron-Watson, 18, L
8) 57.79 Mark Thauvette, 18, CAMO	1) 4:17.95 Keith Beavers,20,ROW	3) 56.18 Jennifer Beckberger, 17, AAC	7) 2:17.98	Ifiyenia Koskinas,20,0SC
200 METRES BACKSTROKE	2) 4:26.79 Timothy Ruse,17,PCSC	4) 56.66 Jennifer Carroll,21,MEGO		Tanya Hunks,22,HYACK
1) 1:56.90 Keith Beavers,20,ROW	3) 4:27.70 Callum Ng,17,CASC	,		
2) 2:00.19 Benoit Banville-Auger,20,MEGO	4) 4:27.97 Steven Medaglia,18,NKB	5) 56.85 Victoria Poon,18,CAMO		BREASTSTROKE
3) 2:01.73 Ryan Atkison,17,LAC	5) 4:28.60 Conrad Aach,18,ESWIM	6) 56.87 Jennifer Button,25,ROW	1) 32.55	Lisa Blackburn,31,ROW
4) 2:02.84 Callum Ng,17,CASC	6) 4:30.77 Graeme Tozer,17,MM	7) 56.92 Marieve De Blois,19,CAMO	2) 32.80	Jennifer Beckberger, 17, AAC
1 '	'	8) 56.99 Jenny Lock,17,COMOX	3) 32.80	Sarah Gault, 17, DDO
5) 2:03.15 Devin Phillips,17,EKSC	7) 4:31.85 Michel Tremblay,21,CNCB	200 METRES FREESTYLE	4) 33.44	Jacquelyn Craft, 17, TRENT
6) 2:03.60 Matt Hawes,16,NKB	8) 4:33.21 Malcolm Lavoie,17,0SC	1) 2:00.46 Jennifer Button,25,ROW	5) 33.76	
7) 2:04.94 Milos Marjanovic,18,NYAC	4X50 M MEDLEY RELAY			
8) 2:05.32 Erich Schmitt,17,PCS	1) 1:44.64 Edmonton Keyano	2) 2:00.68 Audrey Lacroix,19,CAMO		Erin Kardash,17,MM
50 METRES BREASTSTROKE	2) 1:44.92 Cascade Swim Club	3) 2:00.88 Jennifer Porenta,17,T0		Mila Zvijerac,17,HYACK
1) 28.85 Brad Mori,25,EXST	3) 1:45.07 Scarborough SC	4) 2:02.21 Chanelle Charron-Watson,18,UL	8) 33.97	Jenny Lock,17,COMOX
2) 29.06 David McKechnie,17,BTSC	4) 1:45.81 Montreal Aquatique	5) 2:02.87 Jenny Lock,17,COMOX	100 METRE	S BREASTSTROKE
3) 29.33 Simon MacDonald,23,NKB	5) 1:46.02 Excalibur Swim Team	6) 2:03.27 Marieve De Blois,19,CAMO	1) 1:10.77	Lisa Blackburn,31,ROW
	1 '	7) 2:03.53 Amanda Gillespie,18,NKB		Marcy Edgecumbe, 19, EKSC
4) 29.49 Warren Barnes,17,SCAR	6) 1:46.34 Etobicoke Swimming			Renee Hober, 18, ROW
5) 29.62 Chad Thiessen,17,SPART	7) 1:46.63 Dollard Swim Club	8) 2:03.67 Tanya Hunks,22,HYACK	· '	
6) 29.63 Chad Thomsen,20,EKSC	8) 1:47.24 London AC	400 METRES FREESTYLE		Jacquelyn Craft,17,TRENT
7) 29.76 Roman Margulis,18,NYAC	4X100 M MEDLEY RELAY	1) 4:15.12 Chanelle Charron-Watson,18,UL	5) 1:11.90	Kim Labbett,16,T0
8) 29.92 Anthony Trubiano,20,DD0	1) 3:46.63 Toronto All Stars	<ol><li>4:18.41 Audrey Lacroix,19,CAMO</li></ol>	6) 1:12.39	Sarah Gault, 17, DDO
100 METRES BREASTSTROKE	2) 3:48.50 Nepean Kanata	3) 4:18.58 Joan Bernier, 18, CNCB	7) 1:12.87	Marie-P. Ratelle, 16, MEGO
1) 1:02.67 Warren Barnes,17,SCAR	3) 3:50.48 Scarborough SC	4) 4:18.87 Elyse Dudar,16,T0	8) 1:13.09	Elizabeth Engs, 16, CAJ
2) 1:03.37 David McKechnie,17,BTSC	4) 3:52.23 Edmonton Keyano	5) 4:19.77 Tanya Hunks,22,HYACK		S BREASTSTROKE
3) 1:03.53 Gregg Gleason,22,BROCK	5) 3:53.57 Montreal Aquatique			
4) 1:03.90 Brad Mori,25,EXST	6) 3:53.68 North York AC	6) 4:20.03 Erin Kardash,17,MM		Lisa Blackburn,31,ROW
1 '	'	7) 4:21.25 Katherine Telfer,18,ESWIM	2) 2:31.49	Kim Labbett,16,T0
5) 1:03.93 Chad Thiessen,17,SPART	7) 3:55.77 Samak de Brossard	8) 4:22.54 Hayley Doody,17,UCSC	3) 2:32.34	Renee Hober, 18, ROW
6) 1:04.04 Chad Thomsen,20,EKSC	8) 3:55.89 Cascade Swim Club	800 METRES FREESTYLE	4) 2:32.70	Marcy Edgecumbe, 19, EKSC
7) 1:04.12 Nick Graham,21,UDAL	4X50 M FREE RELAY	1) 8:48.57 Elyse Dudar,16,T0	5) 2:34.92	Marieve De Blois, 19, CAMO
8) 1:04.63 Roman Margulis,18,NYAC	1) 1:34.11 Nepean Kanata	2) 8:48.61 Chanelle Charron-Watson,18,UL		Genevieve Dack,17,NWO
200 METRES BREASTSTROKE		2) 0.40.01 Onanciic Onanon Watson, 10,02	,	
1) 2:15.89 Gregg Gleason,22,BROCK			,	Jacquelyn Craft, 17, TRENT
	Rating Summary of Girls 16 & old		,	Micheline Dufour,17,UL
2) 2:16.32 Warren Barnes, 17. SCAR		pack W Jennifer Carroll,21,MEGO	50 METRES	BUTTERFLY
2) 2:16.32 Warren Barnes,17,SCAR 3) 2:17.60 Keith Beavers 20 ROW	,		1) 27.67	Jennifer Carroll,21,MEGO
3) 2:17.60 Keith Beavers,20,ROW	2) 961 2:08.83 200 b		1) 21.01	
3) 2:17.60 Keith Beavers,20,ROW 4) 2:17.82 Steven Medaglia,18,NKB	2) 961 2:08.83 200 b 3) 937 59.84 100	O fly W Audrey Lacroix,19,CAMO	2) 27.90	Audrey Lacroix,19,CAMO
3) 2:17.60 Keith Beavers,20,ROW 4) 2:17.82 Steven Medaglia,18,NKB 5) 2:17.96 David McKechnie,17,BTSC	2) 961 2:08.83 200 b 3) 937 59.84 100 4) 934 2:00.46 200	O fly W Audrey Lacroix,19,CAMO free W Jennifer Button,25,ROW	2) 27.90	
3) 2:17.60 Keith Beavers,20,ROW     4) 2:17.82 Steven Medaglia,18,NKB     5) 2:17.96 David McKechnie,17,BTSC     6) 2:20.05 Chad Thomsen,20,EKSC	2) 961 2:08.83 200 b 3) 937 59.84 100 4) 934 2:00.46 200	O fly W Audrey Lacroix,19,CAMO	2) 27.90 3) 28.24	Valerie Tcholkayan,18,DDO
3) 2:17.60 Keith Beavers,20,ROW 4) 2:17.82 Steven Medaglia,18,NKB 5) 2:17.96 David McKechnie,17,BTSC 6) 2:20.05 Chad Thomsen,20,EKSC 7) 2:20.31 Chad Thiessen,17,SPART	2)     961     2:08.83     200 b       3)     937     59.84     100       4)     934     2:00.46     200       5)     930     2:15.63     200	O fly W Audrey Lacroix,19,CAMO free W Jennifer Button,25,ROW O IM W Marieve De Blois,19,CAMO	2) 27.90 3) 28.24 4) 28.33	Valerie Tcholkayan,18,DDO Jennifer Porenta,17,TO
3) 2:17.60 Keith Beavers,20,ROW 4) 2:17.82 Steven Medaglia,18,NKB 5) 2:17.96 David McKechnie,17,BTSC 6) 2:20.05 Chad Thomsen,20,EKSC 7) 2:20.31 Chad Thiessen,17,SPART 8) 2:20.49 Richard Bowen,18,NKB	2) 961 2:08.83 200 b 3) 937 59.84 100 4) 934 2:00.46 200 5) 930 2:15.63 200 Rating Summary of Boys 17 & ol	O fly W Audrey Lacroix,19,CAMO free W Jennifer Button,25,ROW O IM W Marieve De Blois,19,CAMO	2) 27.90 3) 28.24 4) 28.33 5) 28.39	Valerie Tcholkayan,18,DDO Jennifer Porenta,17,TO Chrystele Roy-l'Ecuyer,18,CN
3) 2:17.60 Keith Beavers,20,ROW 4) 2:17.82 Steven Medaglia,18,NKB 5) 2:17.96 David McKechnie,17,BTSC 6) 2:20.05 Chad Thomsen,20,EKSC 7) 2:20.31 Chad Thiessen,17,SPART	2) 961 2:08.83 200 b 3) 937 59.84 100 4) 934 2:00.46 200 5) 930 2:15.63 200 <b>Rating Summary of Boys 17 &amp; ol</b> 1) 948 52.73 100	O fly W Audrey Lacroix,19,CAMO free W Jennifer Button,25,ROW Marieve De Blois,19,CAMO  der O fly M Takashi Yamamoto,24,JPN	2) 27.90 3) 28.24 4) 28.33 5) 28.39 6) 28.54	Valerie Tcholkayan,18,DDO Jennifer Porenta,17,TO Chrystele Roy-l'Ecuyer,18,CN Stephanie Kuhn,17,TMSC
3) 2:17.60 Keith Beavers,20,ROW 4) 2:17.82 Steven Medaglia,18,NKB 5) 2:17.96 David McKechnie,17,BTSC 6) 2:20.05 Chad Thomsen,20,EKSC 7) 2:20.31 Chad Thiessen,17,SPART 8) 2:20.49 Richard Bowen,18,NKB	2) 961 2:08.83 200 b 3) 937 59.84 100 4) 934 2:00.46 200 5) 930 2:15.63 200 <b>Rating Summary of Boys 17 &amp; ol</b> 1) 948 52.73 100 2) 941 1:56.90 200 b	Ofly W Audrey Lacroix,19,CAMO free W Jennifer Button,25,ROW Marieve De Blois,19,CAMO  der Ofly M Takashi Yamamoto,24,JPN keith Beavers,20,ROW	2) 27.90 3) 28.24 4) 28.33 5) 28.39 6) 28.54	Valerie Tcholkayan,18,DDO Jennifer Porenta,17,TO Chrystele Roy-l'Ecuyer,18,CN
3) 2:17.60 Keith Beavers, 20, ROW 4) 2:17.82 Steven Medaglia, 18, NKB 5) 2:17.96 David McKechnie, 17, BTSC 6) 2:20.05 Chad Thomsen, 20, EKSC 7) 2:20.31 Chad Thiessen, 17, SPART 8) 2:20.49 Richard Bowen, 18, NKB 50 METRES BUTTERFLY 1) 24.89 Simon MacDonald, 23, NKB	2) 961 2:08.83 200 b 3) 937 59.84 100 4) 934 2:00.46 200 5) 930 2:15.63 200 <b>Rating Summary of Boys 17 &amp; ol</b> 1) 948 52.73 100 2) 941 1:56.90 200 b 3) 901 25.29 50 b	Ofly W Audrey Lacroix,19,CAMO free W Jennifer Button,25,ROW Marieve De Blois,19,CAMO  der Ofly M Takashi Yamamoto,24,JPN keith Beavers,20,ROW Callum Ng,17,CASC	2) 27.90 3) 28.24 4) 28.33 5) 28.39 6) 28.54 7) 28.65	Valerie Tcholkayan,18,DDO Jennifer Porenta,17,TO Chrystele Roy-l'Ecuyer,18,CN Stephanie Kuhn,17,TMSC
3) 2:17.60 Keith Beavers, 20, ROW 4) 2:17.82 Steven Medaglia, 18, NKB 5) 2:17.96 David McKechnie, 17, BTSC 6) 2:20.05 Chad Thomsen, 20, EKSC 7) 2:20.31 Chad Thiessen, 17, SPART 8) 2:20.49 Richard Bowen, 18, NKB 50 METRES BUTTERFLY 1) 24.89 Simon MacDonald, 23, NKB 2) 25.27 Dominique Bourdages, 21, CAMO	2) 961 2:08.83 200 b 3) 937 59.84 100 4) 934 2:00.46 200 5) 930 2:15.63 200 <b>Rating Summary of Boys 17 &amp; ol</b> 1) 948 52.73 100 2) 941 1:56.90 200 b 3) 901 25.29 50 b 4) 899 2:04.01 200	Ofly W Audrey Lacroix,19,CAMO free W Jennifer Button,25,ROW Marieve De Blois,19,CAMO  der Ofly M Takashi Yamamoto,24,JPN back M Keith Beavers,20,ROW Callum Ng,17,CASC MM Steven Medaglia,18,NKB	2) 27.90 3) 28.24 4) 28.33 5) 28.39 6) 28.54 7) 28.65 8) 28.71	Valerie Tcholkayan,18,DDO Jennifer Porenta,17,TO Chrystele Roy-l'Ecuyer,18,CN Stephanie Kuhn,17,TMSC Victoria Poon,18,CAMO
3) 2:17.60 Keith Beavers, 20, ROW 4) 2:17.82 Steven Medaglia, 18, NKB 5) 2:17.96 David McKechnie, 17, BTSC 6) 2:20.05 Chad Thomsen, 20, EKSC 7) 2:20.31 Chad Thiessen, 17, SPART 8) 2:20.49 Richard Bowen, 18, NKB 50 METRES BUTTERFLY 1) 24.89 Simon MacDonald, 23, NKB	2) 961 2:08.83 200 b 3) 937 59.84 100 4) 934 2:00.46 200 5) 930 2:15.63 200 <b>Rating Summary of Boys 17 &amp; ol</b> 1) 948 52.73 100 2) 941 1:56.90 200 b 3) 901 25.29 50 b 4) 899 2:04.01 200	Ofly W Audrey Lacroix,19,CAMO free W Jennifer Button,25,ROW Marieve De Blois,19,CAMO  der Ofly M Takashi Yamamoto,24,JPN keith Beavers,20,ROW Callum Ng,17,CASC	2) 27.90 3) 28.24 4) 28.33 5) 28.39 6) 28.54 7) 28.65 8) 28.71 <b>100 METRE</b>	Valerie Tcholkayan,18,DDO Jennifer Porenta,17,TO Chrystele Roy-l'Ecuyer,18,CN Stephanie Kuhn,17,TMSC Victoria Poon,18,CAMO Tiffany Vincent,17,BRANT

3)	8:51 70	Darcy Goodridge,16,UBCD	2)	1:00.68	Jennifer Button,25,ROW
4)		Joan Bernier, 18, CNCB	3)		Chrystele Roy-l'Ecuyer, 18, CNB
5)		Hayley Doody,17,UCSC	4)		Jennifer Carroll,21,MEGO
6)		Alex Lachance-F,17,UL	5)		MacKenzie Downing,15,WGB
7)	8:59.77	Nathalie Lacoste, 17, TO	6)	1:02.73	Julia Guay-Racine,17,CAMO
8)	9:03.29	Elizabeth Osterer,17,NKB	7)	1:02.92	Nancy Gajos, 18, ESWIM
50	METRES	BACKSTROKE	8)	1:03.37	Valerie Tcholkayan,18,DDO
1)		Jennifer Carroll,21,MEGO			S BUTTERFLY
2)		Hanna Kubas,17,UASC	1)		Audrey Lacroix,19,CAMO
3)		Andrea Shoust, 16, SSMAC	2)		Jennifer Button,25,ROW
4) 5)		Jennifer Beckberger,17,AAC Stephanie Fennell,18,ESWIM	3)		Alex Lachance-F,17,UL Joan Bernier,18,CNCB
6)		Randi Beaulieu,17,T0	5)		Tanya Hunks,22,HYACK
7)		Laura Nicholls,24,ROW	6)		Kahla Walkinshaw,17,HAC
8)		Melissa Bartlett, 16, CYPS	7)		Nancy Gajos, 18, ESWIM
10	O METRE	S BACKSTROKE	8)	2:19.36	Julia Guay-Racine,17,CAMO
1)	1:00.13	Jennifer Carroll,21,MEGO	200		\$ IND.MEDLEY
2)		Jennifer Fratesi,18,ROW	1)		Jennifer Fratesi,18,ROW
3)		Hanna Kubas,17,UASC	2)		Marieve De Blois,19,CAMO
4)		Randi Beaulieu,17,T0	3)		Amanda Gillespie,18,NKB
5)		Erin Kardash,17,MM Amanda Gillespie,18,NKB	4) 5)		Sarah Gault,17,DD0 Tanya Hunks,22,HYACK
7)		Andrea Shoust, 17, SSMAC	6)		Marcy Edgecumbe, 19, EKSC
8)		Julia Guay-Racine,17,CAMO	7)		Julia Guay-Racine,17,CAMO
		S BACKSTROKE	8)		Genevieve Dack,17,NWO
1)	2:08.83	Jennifer Fratesi,18,ROW	400		S IND.MEDLEY
2)	2:14.29	Amanda Gillespie,18,NKB	1)	4:51.58	Tanya Hunks,22,HYACK
3)		Sheena Martin,17,ROW	1 '		Marieve De Blois,19,CAMO
4)		Lynette Bayliss,17,UCSC	3)		Elizabeth Osterer, 17, NKB
5)		Julia Guay-Racine,17,CAMO	4)		Brittany Cooper,16,LAC
6) 7)		Chanelle Charron-Watson,18,UL Ifiyenia Koskinas,20,OSC	5)		Marcy Edgecumbe,19,EKSC Thea Norton,16,OSC
8)		Tanya Hunks,22,HYACK	7)		Genevieve Dack,17,NWO
		BREASTSTROKE	8)		Joan Bernier, 18, CNCB
1)	32.55	Lisa Blackburn,31,ROW	1 ′		DLEY RELAY
2)	32.80	Jennifer Beckberger, 17, AAC	1)	1:56.58	Montreal Aquatique
3)	32.80	Sarah Gault,17,DD0	2)	1:57.25	Edmonton Keyano
4)		Jacquelyn Craft,17,TRENT	3)		Dollard Swim Club
5)		Marcy Edgecumbe, 19, EKSC	4)		Toronto All Stars
6)		Erin Kardash,17,MM	5)		Nepean Kanata Etobicoke Swimming
7)		Mila Zvijerac,17,HYACK Jenny Lock,17,COMOX	6) 7)		Bow River Swim Assoc
		S BREASTSTROKE	8)		Cascade Swim Club
		Lisa Blackburn,31,ROW	1 ′		EDLEY RELAY
2)	1:10.96	Marcy Edgecumbe, 19, EKSC	1)	4:14.24	Montreal Aquatique
3)	1:11.70	Renee Hober, 18, ROW	2)	4:17.27	Toronto All Stars
4)		Jacquelyn Craft,17,TRENT	3)		Nepean Kanata
. 5)		Kim Labbett,16,T0	4)		Edmonton Keyano
6)		Sarah Gault, 17, DD0	5)		Dollard Swim Club Etobicoke Swimming
7)		Marie-P. Ratelle,16,MEGO Elizabeth Engs,16,CAJ	6) 7)		London AC
		S BREASTSTROKE	8)		Univ.Laval Rouge & Or
1)		Lisa Blackburn,31,ROW	1 '		E RELAY
2)	2:31.49	Kim Labbett,16,T0	1)	1:44.76	Montreal Aquatique
3)	2:32.34	Renee Hober,18,ROW	2)	1:45.47	Toronto All Stars
4)	2:32.70	Marcy Edgecumbe, 19, EKSC	3)	1:46.19	Manitoba Marlins
5)		Marieve De Blois,19,CAMO	4)		Nepean Kanata
.   6)		Genevieve Dack,17,NWO	5)		Dollard Swim Club
7)		Jacquelyn Craft,17,TRENT	6)		Edmonton Keyano
8) 50		Micheline Dufour,17,UL <b>BUTTERFLY</b>	7)		Hyack Swim Club Bow River Swim Assoc
1)		Jennifer Carroll,21,MEGO	l ′		REE RELAY
2)		Audrey Lacroix,19,CAMO	1)		Montreal Aquatique
3)		Valerie Tcholkayan,18,DDO	2)		Manitoba Marlins
4)	28.33	Jennifer Porenta,17,TO	3)	3:51.63	Toronto All Stars
5)		Chrystele Roy-l'Ecuyer,18,CNB	4)		Nepean Kanata
6)		Stephanie Kuhn,17,TMSC	5)		Univ.of Calgary SC
7)		Victoria Poon,18,CAMO	6)		Bow River Swim Assoc
8)		Tiffany Vincent,17,BRANT S BUTTERFLY	7) 8)		Edmonton Keyano Dollard Swim Club
10		Audrey Lacroix,19,CAMO	0)	0.01.20	DONALD OWNER OLD

#### **CANADA CUP 1**

Calgary, Mar 7-9 (50 M)

#### MEN

#### **50 METRES FREESTYLE**

- 22.57 Jason Lezak, 27, USA 1)
- 2) 23.40 Scott Tucker, 28, USA
- 23.60 Kicker Vencill,24,USA 3)
- 4) 23.87 Riley Janes, 22, NRST
- 23.97 Jason Strelzow.21.UBCD 5)
- 6) 24.20 Delonte Stephens, 23, USA
- 7) 24.47 Trevor Neufeld, 18, CASC
- 8) 24 55 Daniel Petrus 18 UBCD

#### 100 METRES ERFESTYLE

- 50.13 Jason Lezak, 27, USA 1)
- 2) 50.33 Scott Tucker, 28, USA
- 3) 52.00 Kyle Smerdon,23,TO
- 4) 52.50 Jason Strelzow.21.UBCD
- 5) 52.81 Kicker Vencill.24.USA
- 6) 53.32 Graeme Tozer, 17, MM
- 7) 53.90 Joseph Novak, 26, USA
- 8) 53.97 Cameron Hyder, 20, UCSC

#### **200 METRES FREESTYLE**

- 1:50.56 Rick Say,23,UCSC 1)
- 2) 1:51.82 Mark Johnston, 23, UBCD
- 3) 1:52.39 Michael Mintenko,27,UBCD
- 4) 1:52.93 Scott Tucker,28,USA
- 1:55.35 Brian Johns, 20, UBCD 5)
- 6) 1:55.54 Chad Hankewich, 21, GOLD
- 7) 1:56.27 Jarrod Ballem,23,UCSC
- 8) 1:57.08 Brian Edey,23,EKSC

#### **400 METRES FREESTYLE**

- 1) 3:56.10 Rick Say,23,UCSC
- 2) 3:57.46 Mark Johnston, 23, UBCD
- 3) 4:04.88 Jarrod Ballem,23,UCSC
- 4) 4:09.83 Malcolm Lavoie, 17, OSC
- 5) 4:09.99 Tim Cowan,25,UCSC
- 6) 4:10.10 Michael Derban, 18, UCSC
- 4:10.92 Devin Phillips, 17, EKSC 7)
- 4:11.86 Daniel A. Hewko,17,USA 8)

#### 800 METRES FREESTYLE

- 1) 8:33.59 Jarrod Ballem,23,UCSC
- 8:39 02 Malcolm Lavoie 17 OSC 2)
- 8:40.57 Michael Derban, 18, UCSC 3) 8:44.89 Pascal Wollach, 15, CASC 4)
- 5) 8:45.21 Tim Cowan,25,UCSC
- 6) 8:46.69 Daniel A. Hewko, 16, USA
- 8:49.19 Willie Derban, 17, UCSC 7)
- 8) 8:57.12 Ray Betuzzi,15,UCSC

#### **50 METRES BACKSTROKE**

- 1) 25.77 Lenny Krayzelburg, 27, USA
- 2) 26.11 Albert Sung, 19, USA
- 3) 26.53 Riley Janes, 22, NRST
- 4) 27.40 Callum Ng,17,CASC
- 5) 27.44 Ryan Atkison, 17, LAC
- 6) 28.34 Roland Bauhart, 22, UBCD
- 7) 28.55 Devin Phillips, 17, EKSC
- 28.64 Andrew S Cole, 18, USA 8)

#### **100 METRES BACKSTROKE**

- 55.24 Lenny Krayzelburg,27,USA 2) 57.21 Albert Sung, 19, USA
- 3) 57.63 Keith Beavers, 20, ROW
- 4) 57.81 Riley Janes, 22, NRST
- 5) 59.10 Ryan Atkison, 17, LAC

- 59.96 Graham Diehl, 20, UCSC
- 7) 1:00.06 Roland Bauhart, 22, UBCD
- 1:00.11 Desmond Strelzow,17,UBCD

#### 200 METRES BACKSTROKE

- 1) 2:01.03 Keith Beavers.20.ROW
- 2) 2:05.50 Albert Sung, 19, USA
- 3) 2:07.60 Roland Bauhart, 22, UBCD
- 2:08.30 Desmond Strelzow,17,UBCD 4)
- 2:08.42 Rvan Atkison, 17, LAC
- 2:11.64 Graham Diehl.20.UCSC 6)
- 7) 2:12 93 Andrew S Cole 19 USA

#### 2:13 41 Aaron Blair 17 CASC **50 METRES BREASTSTROKE**

- 1) 28.90 Morgan Knabe,21,UCSA
  - 29.21 Brad Mori 25.FXST
- 2) 3) 29.43 David Denniston, 24, USA
- 29.49 Marco Gonzalez 24 MEX
- 4)
- 5) 30.11 Chad Thiessen, 17, SPART
- 6) 30.12 Matthew Huang, 18, UBCD 7) 31.15 Clayton Delaney, 22, ROW
- 31.65 Roger Boucher, 22, GOLD

#### 100 METRES BREASTSTROKE

- 1:02.52 Morgan Knabe,21,UCSA
- 1:04.94 Gerard Hunter, 21, UOFL
- 1:05.12 David Denniston, 24, USA
- 1:05.15 Matthew Huang, 18, UBCD
- 1:05.72 Chad Thiessen,17,SPART
- 1:05.88 Marco Gonzalez,24,MEX
- 1:06.54 Brad Mori,25,EXST
- 1:07.06 Clayton Delaney,22,ROW

#### 200 METRES BREASTSTROKE

- 1) 2:19.67 Morgan Knabe,21,UCSA
- 2:23.28 David Denniston, 24, USA 3) 2:24.02 Matthew Huang, 18, UBCD
- 2:24.09 Brian Johns, 20, UBCD 4)
- 5) 2:25.71 Clayton Delaney, 22, ROW
- 2:26.05 Keith Beavers, 20, ROW
- 6)
- 7) 2:28.08 Andrew Priest, 24, USA
- 2:28.27 Chad Thiessen,17,SPART 8)

#### **50 METRES BUTTERFLY**

2)

- 24.15 Michael Mintenko.27.UBCD 1) 24 76 Takashi Yamamoto 24 JPN
- 25.09 Joseph Novak,25,USA 3)
- 25.43 Kicker Vencill.24.USA 4)
- 5) 25.65 Josh Ballem 25.UCSA 25.70 Chad Hankewich.21.GOLD 6)
- 7)
- 26.17 Delonte Stephens, 23, USA
- 26.35 Jonathan Schiott.21.UCSC 8)

#### **100 METRES BUTTERFLY**

- 1) 53.53 Michael Mintenko.27.UBCD
- 2) 53.73 Takashi Yamamoto,24,JPN
- 3) 56.00 Josh Ballem, 25, UCSA
- 4) 56.54 Chad Murray,21,UCSC
- 5) 56.66 Delonte Stephens,23,USA
- 6) 56.93 Chad Hankewich, 21, GOLD
- 7) 57.16 Jonathan Schjott,21,UCSC

### 57.33 Jan Pelechytik,22,ROD

**200 METRES BUTTERFLY** 

- 2:00.26 Takashi Yamamoto,24,JPN 1) 2:06.13 Jonathan Schjott,21,UCSC
- 3) 2:08.33 Jan Pelechytik,22,ROD
- 2:08.33 Tim Cowan,25,UCSC
- 2:08.43 Max Jensen, 20, HYACK 2:11.44 Taylor Graham, 18, UOFL

- 2:13.22 Josh Ballem, 25, UCSA
- 2:13.94 Malcolm Lavoie,17,0SC

#### 200 METRES IND. MEDLEY

- 1) 2:07.33 Chad Murray,21,UCSC
- 2:08.42 Albert Sung.19.USA
- 2:12.26 Gerard Hunter, 21, UOFL
- 2:12.37 Cameron Hyder, 20, UCSC
- 2:12.57 Graeme Tozer,17,MM
- 2:13.49 Brent Hankewich, 19.GOLD
- 2:14.45 Jarrod Ballem.23.UCSC 2:14 69 Michael Derhan 18 LICSC

#### 400 METRES IND. MEDLEY

- 4:40.20 Cameron Hyder, 20, UCSC
- 4:44.95 Daniel A. Hewko, 16, USA
- 4:46.76 Malcolm Lavoie,17,0SC
- 4:47.26 Callum Ng,17,CASC
- 4:48.16 Colin Lyon, 17, EKSC 4:50.87 Kyle Sorrenti,16,BRSA
- 4:52.76 Kurt Neihaus, 22, USA
- 4:52.83 Tristan Armstrong, 15, BRSA

#### WOMEN

- **50 METRES FREESTYLE** 26.41 Laura Nicholls,24,ROW
- 26.61 Lindsay Benko, 26, USA
- 26.68 Meredith Bryarly, 23, USA 3)
- 26.75 Danielle de Alba, 23. MEX
- 26.81 Caroline Clapham, 21, UBCD
- 26.82 Flizabeth Meskill.24.USA
- 7) 27.54 Anna Lydall,22,UBCD

#### 8) 27.96 Laura Grant, 18, UCSC 100 METRES FREESTYLE

- 57.43 Lindsay Benko,26,USA 1) 58.06 Laura Nicholls,24,ROW 2)
- 3) 58.15 Elizabeth Meskill,24,USA
- 4) 58.26 Erin Kardash,17,MM
- 5) 58.49 Laura Grant, 18, UCSC
- 6) 58.63 Alexandra Lvs.18.UCSC
- 58.88 Elizabeth Collins, 20, ROD 7)

#### 59.71 Meredith Bryarly.23.USA 8)

- 200 METRES FREESTYLE 2:03.77 Jennifer Button, 25, ROW
- 2:04.46 Lindsay Benko,26,USA
- 3)
- 2:06.88 Taryn Lencoe, 17, UBCD 2:06.89 Hayley Peirsol,17,USA
- 2:06.91 Elizabeth Collins,20,ROD

944

942

10) 941 26.11

50.33

2:30.06

2:06.93 Alexandra Lys,18,UCSC 7) 2:07.28 Deanna Stefanyshyn,18,UBCD

#### 8) 2:07.31 Erin Kardash,17,MM **400 METRES FREESTYLE**

- 1) 4:18.11 Hayley Peirsol,17,USA
- 2) 4:18.98 Lindsay Benko,26,USA
- 3) 4:20.71 Taryn Lencoe,17,UBCD
- 4) 4:23.88 Shannon Hackett,16,UBCD
- 4:26.64 Deanna Stefanyshyn, 18, UBCD
- 4:30.73 Kelly Doody,23,UBCD
- 7) 4:31.60 Darcy Goodridge,16,UBCD 4:31.62 Amanda Bell,15,UCSC

## **800 METRES FREESTYLE**

- 1) 8:48.64 Hayley Peirsol,17,USA
- 8:54.51 Taryn Lencoe, 17, UBCD 3) 9:08.87 Tanya Hunks,22,HYACK
- 9:10.76 Shannon Hackett,16,UBCD
- 5) 9:17.65 Brittany Reimer, 15, SKSC
- 9:19.63 Amanda Bell,15,UCSC 7)
- 9:25.18 Gail Findlay-Shirras, 19, UCSC 9:28.26 Stacy Cormack, 16, CASC

#### **50 METRES BACKSTROKE**

- 29.73 Erin Gammel.22.UCSC 1)
- 2) 29 98 Diana MacManus 16 USA
- 30.80 Caitlin Meredith, 19, UBCD 3) 4)
- 30.86 Paige Francis, 24, USA 31.08 Hiu Wai Tsai,20,HKG 5)
- 6) 31.24 Jennifer Fratesi, 18, ROW
- 7) 31.24 Kelly Stefanyshyn, 20, UBCD 32.28 Jessica Cruzat.16.USA

#### 100 METRES BACKSTROKE

- 1:03.30 Erin Gammel.22.UCSC
- 1:03.52 Jennifer Fratesi, 18, ROW
- 3) 1:04.44 Kelly Stefanyshyn,20,UBCD
- 4) 1:04.90 Diana MacManus,16,USA 5) 1:05.20 Hiu Wai Tsai,20,HKG
- 1:05.96 Caitlin Meredith,19,UBCD
- 7) 1:06.12 Danielle de Alba,23,MEX
- 1:07.18 Paige Francis,24,USA **200 METRES BACKSTROKE**
- 2:15.61 Lindsay Benko, 26, USA
- 2:15.78 Jennifer Fratesi, 18, ROW
- 3) 2:17.82 Kelly Stefanyshyn,20,UBCD 4)
- 2:21.12 Caitlin Meredith,19,UBCD 2:22.18 Diana MacManus,16,USA 5)
- 2:22.63 Deanna Stefanyshyn, 18, UBCD

#### 7) 2:23.62 Lynette Bayliss,17,UCSC

- 8) 2:23.93 Hayley Peirsol,17,USA **50 METRES BREASTSTROKE**
- 1) 32.07 Rhiannon Leier, 26, MM 2) 33.53 Emma Spooner, 20, UCSC
- 33.67 Renee Hober, 18, ROW 3) 34.24 Tamara Wagner, 17, ROW 4)

34.30 Michelle Mange,16,UBCD

- 969 55.24 100 back M Lenny Krayzelburg, 27, USA 1) 2) 963 24.15 50 fly M 50 free M 954 953 53 73 100 fly M 952 2.01.03 200 back M 950 1:02.52 100 breast M
  - Michael Mintenko, 27, UBCD Jason Lezak, 27, USA
  - Scott Tucker, 28, USA 100 free M 200 breast W Amanda Beard, 21, USA

- 1:13.22 Lisa Blackburn,31,ROW

- 1:14.87 Renee Hober, 18, ROW
- 1) 2:30.06 Amanda Beard,21,USA

- 4)
- 5) 2:39.78 Michelle Mange, 16, UBCD

- 27.30 Bethany Goodwin,22,USA 1)
- 27.99 Elizabeth Meskill,24,USA 2)
- 28.49 Jennifer Button, 25, ROW 3)
- 5) 28.58 Elizabeth Collins, 20, ROD

- 100 METRES BUTTERFLY
- 1:01.05 Bethany Goodwin,22,USA
- 1:03.70 Sara Alroubaie,21,MM
- 1:04.21 Kelly Doody,23,UBCD
- 1:05.62 Meredith Bryarly,23,USA

- 2:22.92 Shannon Hackett,16,UBCD
- 2:24.40 Stephanie Bigelow, 17, COMOX

- 2:26.20 Bethany Goodwin,22,USA
- 2:22.07 Kelly Doody,23,UBCD
- 2:27.17 Erin Kardash.17.MM
- 5) 2:27.50 Jenny Lock, 17, COMOX
- 400 METRES IND.MEDLEY
- 1) 4:55.80 Hayley Peirsol,17,USA 4:57.58 Carrie Burgoyne,21,UCSC

- 5:12.97 Lynette Bayliss,17,UCSC

# Rating Summary of Top Canada Cup Performances

- 34.95 Marcy Edgecumbe, 19, EKSC
- 35.16 Hanna Pierse, 14, EKSC

- 2) 1:10.49 Lauren van Oosten,24,UCSC

- 1:13.76 Emma Spooner,20,UCSC
- 7) 1:15.25 Shannon Frey,19,BRSA

#### 1:16.50 Kristy Cameron,21,UCSC

- 2:32.48 Lauren van Oosten,24,UCSC 2)
- 2:34.15 Rhiannon Leier,26,MM
- 2:38.22 Renee Hober, 18, ROW
- 2:41.54 Hanna Pierse,14,EKSC

#### 8) 2:43.15 Haylee Johnson, 17. UBCD

- **50 METRES BUTTERFLY**

- 29.72 Kelly Doody,23,UBCD 7)

- 1:05.23 Elliko Heimbach, 16, USA

- 2:23.14 Carrie Burgoyne,21,UCSC 2)

3)

7)

2:28.14 Shannon Frey, 19, BRSA 6)

- 5:02.79 Tanya Hunks,22,HYACK 3)
  - 5:08.32 Anne Schmuck, 15, SKSC

34.65 Jenny Lock, 17, COMOX

- 1:14.37 Michelle Mange, 16, UBCD

- 200 METRES BREASTSTROKE

- 2:41.79 Emma Spooner,20,UCSC 7)

- 28.54 Meredith Bryarly,23,USA 4)
- 6)
- 29.72 Sara Alroubaie,21,MM
- 1:01.29 Jennifer Button,25,ROW
- 1:04.02 Elizabeth Collins,20,ROD
- 2:18.96 Jennifer Button, 25, ROW
- 2:24.14 Brigitta Olson, 20, UCSC
- 7) 2:25.14 Megan Bird,17,UCSC
  - 2:23.92 Rhiannon Leier.26.MM
- 2:28.28 Annamay Pierse, 19, EKSC 2:28.50 Haylee Johnson,17,UBCD 8)

- 28.78 Tara Thomas.13.USA
- 1:03.52 Elizabeth Meskill,24,USA
- **200 METRES BUTTERFLY**
- 2:19.84 Tanya Hunks,22,HYACK

#### 2:24.57 Sara Alroubaie,21,MM

- 200 METRES IND.MEDLEY
- 5:06.33 Kelly Doody,23,UBCD 5) 5:07.22 Thea Norton,16,0SC
  - 5:12.57 Nicole Mackey,18,USA

1)

#### **CAUSE FOR OPTIMISM**

# **TURNAROUND IN BRITAIN**

Sweetenham + Atkinson + New Lottery Funds = International Success

#### **Ben Lafferty**

ow did Great Britain go from winning no medals in the 2000 Olympic Games to winning seven in the 2001 World Championships? What has inspired the turnaround to the extent that the Brits gave the Aussies a run for their money at the Commonwealth Games this year? Much of the answer has to do with the arrival of Bill Sweetenham (National Performance Director) and his right-hand man John Atkinson (National Youth Coach), and the programs they have put in place. Both men were an integral part of the Australian junior development program and were largely given carte blanche to bring their expertise to bear when they arrived in Britain. Another part of the answer may be that sport in Britain is now receiving considerable amounts of money from the National Lottery. Naturally these two factors

#### The Organization

in what they could do.

Elite swimming in Britain is structured around the framework of the World Class Programs. These programs (World Class Performance, World Class Potential, and World Class Start) are funded by money that comes from the National Lottery. Underpinning the World Class programs is another set of programs called Active Sport. Active Sport is more about participation than performance at the elite level. Alongside all these programs is the Swim 21 initiative, which has clubs organize themselves according to strict guidelines before they can be awarded a graded status by the Amateur Swimming Association.

are linked; without the money, Sweetenham

and Atkinson would have been severely limited

Swimmers who are ranked in the top 25 in the world in an Olympic event are part of the World Class Performance program. They can receive support funding and are eligible to

attend specialist camps at home and abroad. World Class Potential and World Class Start are junior programs with the aim of developing Olympic and World Championship medallists in the nearfuture. To qualify for Potential, swimmers generally have to win their events at National Age or Youth Championships. The Potential and Start programs are based around residential camps lasting between one day and one week, which bring the country's topswimmers together to make an informal national junior team.

#### Components of the Potential program are:

Lifestyle and self management skills

Muscular – skeletal screening

Land work (core strength, swiss ball, medicine ball) Test sets and skill / drill development in camp and in home program

Competition analysis, race plans, and performance modelling

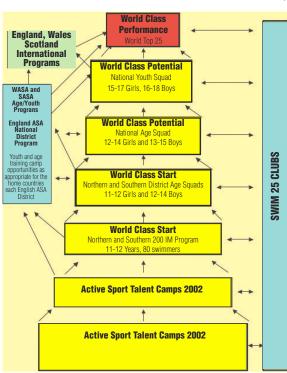
Media training

Biomechanical analysis

Drugs in sport and testing procedures

Nutritional education

Potential level swimmers can also be selected (at the performance director's discretion) for national stroke, relay, and sprint / distance camps with the senior team.



World class programmes and home nations structural flow

#### The Staff

Behind the two generals Sweetenham and Atkinson is a battalion of support staff. There is a team of sports scientists and a network of coaching coordinators across the country who help to run the camps and who visit clubs to advise coaches and monitor swimmers.

On the camps, a head coach takes charge of askills coach and a team of group coaches. Group coaches are selected for camps only if they have swimmers

qualify. Every camp also has a team manager and an assistant team manager who are part of a program to develop future team staff for World Championships and Olympic Games.

## The Philosophy

The Potential and Start programs aim to develop the swimmer from age group level to the point where they have the skills and resources to be able to cope at International Senior level before they gain selection to the GB Senior team. Both coaches and swimmers are working with a long-term focus and these programs are expected to come to fruition in 8 to 10 years time. The World Class programs challenge both swimmers and coaches. Swimmers are required to complete a minimum weekly volume in their home programs and can be excluded from the World Class camps if they fail to achieve it. In addition, they have to complete test sets within their home clubs on the required dates and maintain a comprehensive training log book. Coaches are challenged on the camps to plan sessions for all the stroke groups without knowing which one they will be supervising, and they are also challenged

by the National Youth Coach or Head Coach to justify the content of their session plans.

The success of the Potential and Start programs will primarily be measured by results at the annual European Junior Championships. Success at this meet is considered to be key to future success at senior international level.

#### The Response

Since the introduction of the World Class programs, there has been a small but significant culture change in British Swimming. Young swimmers now talk more of their weekly meterage than of their results in local competitions. There has been an erosion of the "small club" mentality that stifled young talent and chained gifted swimmers to underachieving clubs under the pretext of loyalty.

Results produced recently give cause for optimism. Kerry-Anne Payne became the world's fastest ever 14-year-old at the recent Melbourne World Cup when she won the 800 freestyle in 8:23. Another 14-year-old, Stephanie Proud, swam 2:08 for 200 backstroke at the same meet. Is it coincidence that these two

talents have appeared at the same time as the programs established by Sweetenham and Atkinson? Or will we see a steady stream of future medallists appearing from the recently stagnant waters of Great Britain?

Part Two of a Two-Part Series. The First Part was published in the July-August 2002 issue: Winning Is the Only Option

# LIVING FOR SWIMMING

His swimmers call him the Energizer Bunny, because he just keeps going and going and going

#### Nikki Dryden

ure Australian swimming is different, but there's something else that makes swimming on the Gold Coast unique: Miami Swimming's head coach Denis Cotterell has spent the last 20 years doing what he loves and has established a world-class swim team as a result.

On the surface it may appear that Denis and his swimmers have it easy. They live in paradise and train in a complex complete with two 50-metre pools and a dryland facility. Denis is free from many of the traditional coaching responsibilities that unfortunately pull some coaches away from their athletes. Denis cares or thinks little of money, management, recruiting, or climbing any ladder of coaching hierarchy in Australian Swimming. He also has the support of his swimmers' parents who, in a nation where swimming reigns supreme, live for this sport.

This environment leaves Denis time for what he's good at: watching every swimmer in every workout regardless of who they are. Denis knows the names of each swimmer on his 100-plus team and seems to be able to recite their best times and set splits from years past. He lives to see swimmers swim best times, work hard, and challenge themselves regardless of what level they swim at. Whether it's his World and Olympic swimming champions, the nation's top surf swimmer or triathlete, or the slowest eight-year-old in the group, Denis gets his energy from each swimmer who puts in the effort. It seems as if he feeds off them like a rock star absorbing the crowd's energy. So it's no wonder his swimmers call him the Energizer Bunny, because he just keeps going and going and going.

But to really understand Denis and his team, you have to look back at the past and his early days of coaching to understand how his team was built. Years of struggle to get where he is has created a team built on mutual respect, hard work, and discipline.

Denis is a trained physical education teacher who swam, studied karate, and played Aussie Rules football before getting hooked on surfing. But it was in teacher's college that he got his first job as a swim coach to help pay his way through school. His first head-coaching job was in the early 1970s. He coached in South Port on the northern end of the Gold Coast, where his swimmers often trained in the shark pool at Sea World. He used have to wake up an hour early



#### **QUICK FACTS: COTTERELL, Denis**

BIRTHDATE, PLACE 18 OCT 1949, Sydney, NSW HOMETOWN Surfers Paradise, QLD OCCUPATION Swimming Coach CLUB Miami, QLD

- ACHIEVEMENTS
- Olympic Coach 1988, 1992, 1996, 2000
- World Championships 1991, 1994, 1998, 2001
- Commonwealths 1990, 1994, 1998, 2002
- Pan Pacifics 1987, 1989, 1993, 1997, 1999, 2002

in the mornings in order to pick up his swimmers; he started at the south end of the Coast before ending in South Port, filling his car with nine swimmers en route to work out.

When he couldn't get warm water during the winter months, Denis used to have time to go surfing in Bali. He imported jewellery and clothes, and made more money doing that than his job as a swim coach. But by 1981 he got serious with his coaching. "By that point I had enough kids to swim year round," says Denis. "So we travelled everywhere, swimming in motel pools or wherever we could get warm water."

It took him 11 years before he earned a taxable income from coaching, supporting his passion with gigs as a lifeguard working from 8 am to 5 pm, then working in a nightclub from 9:30 pm to 3:30 am, sometimes only finding an hour of sleep before morning practice.

It may seem that having a new pool named in his honour to add to the original 50-metre pool in Miami is a dream come true, but it isn't all it's cracked up to be. In fact, Denis liked it better with one pool when he could see every kid in the squad at once. Now he has to run back and forth between pools, which has forced him to put more focus on his senior swimmers. "They are used to me staying out of their face, and not sweating on them," says Denis smiling. "But now I'm there for more than just the critical stuff."

Nor is he interested in money. Denis figures he's on an average wage, but this writer guesses he is earning far less than his counterparts throughout the world. "I have no concept of people getting six figures. I've been offered three or four times what I get here to coach in another country, but I'm a surfer, and I'm too happy here on the Gold Coast."

"I like coaching local kids; there's a certain pride in it. I'm not ambitious, I don't want more money, I just want people to leave me alone and let me figure out what my kids need." However, Denis is quite comfortable listening to his swimmers. "I learn from my kids so much. I respond to them. I don't need to be in control, I can terrorize them (and have in the past) but hopefully I've evolved." He admits that sometimes he can get cranky, but says that he tries to remain fair. "You can never be unfair, you must be consistent, honest, and admit your mistakes. The whole game is about honesty; you can't cheat and you can't cut corners in coaching or swimming."

Last year, Denis came down with Guillain-Barre Syndrome, an often-paralyzing disease that attacks the peripheral nervous system. When he came through the worst of it, his swimmers bought him a ring to show how much they cared about him. He put it on his wedding finger by mistake, but could not get it off. "That's okay," he said. "I'm married to you guys anyway."

On any morning at Miami there could be eight lanes filled with swimmers of varying levels—world-class triathletes and surf swimmers right alongside the likes of Grant Hackett and Giaan Rooney. And no matter who you are, how fast you are going, or what the set is, Denis never misses a time. No matter who you speak to, every swimmer who has ever swum with Denis will swear up and down he knows every one of their splits for every set they've ever done. While Denis admitted he does have a little trick for looking so good, the fact that his swimmers believe it is all that

matters. "I used to do dryland with them [before getting sick last year] and watched them struggle. I enjoyed being able to show them I've been there. It helps them appreciate that you've been through some physical thing too." Denis used to do 1000 push-ups a day as part of his karate training. He would get down beside his swimmers, doing push-ups on his knuckles on the concrete; in a day he would do 100 an hour and just keep doing it all day long.

And you can tell by the way Denis talks about his swimmers and they about him, that there is a great deal of mutual respect. "Grant [Hackett] really grew into my program. He is an honest swimmer, highly motivated, and his attitude is that he will always give it his best shot. Grant knows where the standard is. He never walked around thinking he was the best for his age. With Grant I've got to be sure I don't raise the bar too high, because whatever I plan for, I know I am going to get more with him."

And the comments go both ways. Grant is the first to say that, for all he has achieved, full credit goes to Denis. "He is a hard coach and there is no way out," says Grant. "If it's not done properly, you do it again. Denis is so enthusiastic and passionate about swimming, and he can't do enough to find enough ways for us to improve."

While Daniel Kowalski retired recently, Denis

still thinks of him as a great role model for his swimmers. "Dan's another guy who doesn't think he's a superhero," says Denis. "All he is is the kid up the road who is tough as all hell; its simple, he's a basic Australian kid who wants to beat you and he doesn't back down. I can set something up, and you can be sure he's going to flog himself to achieve the objective. He won't say it's impossible, he'll always try, and he's just here to get better."

New to his program, butterflyer Scott Miller chose his new team because of Denis. "I always got along



Grant Hackett, Australia's supreme distance freestyler, unbeaten in the 1500 since age 16, has been coached by Dennis Cotterell..

"He is a hard coach and there is no way out. If it's not done properly, you do it again. Denis is so enthusiastic and passionate about swimming, and he can't do enough to find enough ways for us to improve," says Grant Hackett.

well with Denis. It is not often you find someone with more energy than you. He's also a really good motivator, and that's a real buzz. It gets you excited to swim, and being an older athlete, you need all the help you can get."

Young miler Stephen Penfold is equally as positive. "Denis is good, everything he knows, everything he's done, and all the people he's had and has, it seems as if he knows everything. He's the only coach in the world with two people under 15 minutes, and hopefully I'll be number three!"

World Champion Giaan Rooney has been swimming for six years with Denis, since age 13. "There are thousands of things going on in his mind and if you ask him a question, you get 50,000 answers. He's mellowed a lot over the years, since he was sick. But while Denis and I have disagreed, and I can get moody with him, at the end of the day, I couldn't train with anyone else. If I had a problem, I know I could talk it through with him. Denis is extremely dedicated; you could call him at 3 am if you needed to."

Denis chose to be a swim coach, and it is readily apparent to all who watch him coach that he loves the process of it. That has created an atmosphere in the water where every swimmer feels like a superstar and the superstars are humble athletes, prouder of the

work they do than the rewards.

Watching a practice at Miami gives you chills up your spine. Seeing Grant Hackett drop a 52.7 for the 30th 100 of a mixed pace set is enough to get any swim fan's blood pumping. But it is Denis Cotterell who sets the stage for such drama to unfold. Without his energy and enthusiasm for swimming and coaching, there wouldn't be that kind of swimming. And that is what makes swimming just a little bit better in a land where swimming is as good as it gets.

# ON BREASTSTROKE

Victor Davis Explains the Secrets of His Technique

ictor Davis announced his retirement in early July 1989. After a decade of unparalleled triumphs, Canada's greatest breaststroker explained the secrets of his success.

Many great athletes are unable to describe exactly what they do. They perform instinctively.

Victor knew what he was doing.

To be as good as he was and to be able to tell why is an added dimension of his unique greatness.

His only coach, Cliff Barry, played a big part in his success. Victor did his early swimming in Guelph, moving to Waterloo when Barry was appointed head coach at Region of Waterloo Swim Club. Victor eventually followed him to Pointe Claire, Quebec.

Victor's description of the timing and stroke drills is particularly valuable. Knowing what you're doing at all times made the difference for him.

Victor had a great career and died tragically in November 1989 when hit by an automobile.

This article was first published in our July 1989 issue. Victor spoke with then Features Editor Patricia Young by phone.

#### Warm Up

I do a lot of stretching of the legs, groin, and shoulders before I even get in the water. Don't ignore this first step of your race. To get prepared for the 200, I warm up for about 1100 to 1500 metres. I do a lot of breaststroke drills, then timing drills: glide to three, glide to two, glide to one. My warm-up set is three to four 200 IMs descending.

It is a general warm up, including kicking and pulling 400 easy, 400 kick, 400 pull, 400 drill. Then the 200 IMs, and then timing and drills. This would be followed by three or four 50s descending, 75% to 90%, really working on the timing and stroke efficiency. At the same time, I would be working (from a push) on getting the speed and feel for the first and third 50s of the race. The last 50 would be from a dive. It is paced like the first 50 of a race, not all out.

I loosen down for about 200 to 300 metres, get out, stretch again, and keep warm.

I make sure my legs are completely loose, warmed up, and flexible. I like to stretch out my gluteus maximus by placing one leg on the block and the other foot behind me on the deck. This stretches the gluteus and top half of the hamstring at the same time. I do a lot of calf and forearm stretches. Your Victor Davis winning Worlds in 1986 forearms need to be extremely loose. I find that it really helps out at the end of the race.

Constantly move and stretch behind the blocks, keeping your muscles warm and fired and ready to

Most of the pre-race stretching and moving around

is done in the ready room and until the last two minutes before you step on the blocks. The last two minutes are for mental preparation. Concentrate on how the race is going to go. I never get distracted by other people. If they want to be distracted by me, that is up to them. I concentrate on my race.

Don't think too much about it. What I mean is, don't get bogged down in details: what you are doing, where your hands are. At the same time, you have to be aware. You can over-think. You can think yourself out of a good race.

#### The Start

I get up on the blocks when I feel ready, at the same time not delaying the race. If I'm in a rush, I get up first. If I'm not 100% prepared and I need another three minutes, then I'll take a false start. [This would not be allowed under today's rules.] To have a great start, you need to get a lot of practice. It doesn't happen in a race if you haven't done the work in practice.

I put my hands outside my legs. Think about staying on the balls of your feet, not letting heels touch the back of the block at all when you're going down into the "take your mark stance." You are ready to spring. It is like a cobra being ready to explode at



any second.

If you are sitting on your heels then right away you have lost a few tenths. The transition from taking the energy from the block all the way through your body is much quicker if it doesn't have to go through

the back of your feet.

When the gun goes, the head leads, the hands follow, and the body finishes the action. I like to get out, not high, but straight from the blocks and follow a hole through the water. Get out as far as you can, pikeing or tucking, and following with your body through a little hole.

You are literally diving towards the bottom of the pool if you don't curl your back. That gives a whipping action when you hit the water. At the same time, keep your shoulders tucked up, as high as you can, into your ears. This streamlines you incredibly, especially when you're gliding underwater before your first pull.

Keep your buttocks tight, feet together, and shoulders tucked up as close to your ears as possible after the first pull. You are still creating a streamline effect.

About two inches before my head breaks the surface of the water, I like to take that first stroke and really get pumping right away, rather than waiting for my head to break the surface and then starting the rhythm. For the first pull, my head is still underwater and it is like a shotgun effect. Fooom—I'm up and I'm going.

If, for the first stroke, my head was too shallow or too deep and I didn't hit my rhythm right away, it is important to take the time in the first five strokes in the race and correct it.

I make sure I don't start my pull before my legs come together. I work on snapping my feet together before my hands start pulling. That way I fall into the rhythm right away and I'm back on track. At this stage in the race everyone is moving so fast from the start

that you really aren't going to lose anything.

#### The Race

Marco Chiesa

The first 50 has got to be fast and smooth yet controlled speed. When you hit the wall at the first 50, you should feel like you haven't put out any energy whatsoever. I split it in the 30.5 area.

To make sure you get a good turn, the first thing to do is practise your turns in warm up. You have to be able to judge the wall from about three metres out. Know if you have to take a short stroke or if you are going to have to stretch out to hit the wall properly. It is important not to bunch up going into the wall because that tightens up your arms and your shoulders quite a bit.

Regardless of which hand you turn on, whether it is the right or the left, the same rules apply. I turn on my right hand. I go into the wall and I touch with both hands, but the left hand barely touches. Make sure that you drive your knees up into your chest as quickly as possible. That will get your legs off the wall faster.

A lot of people think that the turns are a resting place. Turns are a point in the race that you can get ahead of everybody else. Turns are important in terms of getting off the wall, streamlining through the water, and coming up to set your stroke with that first pull underwater.

The second 50 has got to be strong and smooth. At this point you should be holding the same comfortable

speed that you had in the first 50. I like to work into it and pick up the pace on the last 10 metres of the last 25 of that 100. The 80-metre mark is where I set the pace for the third 50.

I build my race in terms of 60-40. When I'm going into the 100 I build that third 50 to the wall. Always build your race before the turn.

The third 50 in a 200 metre breaststroke is the most crucial point in the race. It is where the strong will survive.

You shouldn't blast it coming off the wall. You can't expect to be going full tilt in five strokes. You have to build it over three to five metres. Most of the build is done in the first 25 metres.

At this point I'm doing okay. My main concern is getting out of that turn. Getting a good turn at this point will set the pace for the last 50. No matter how much you are hurting, think about getting the best turn possible and getting ahead of your competition on that turn. Coming out of the turn, concentrate on your rhythm by setting the stroke rate right away.

Holdyour pace off the wall for the first 5-6-7 strokes and build to full bore by the 20-25 metre mark.

The 200 breaststroke is fatiguing. No matter how tired you are, keep finishing your stroke. Make sure you are finishing your kick before you take your pull. Keep your wits about you and never, ever, ever, look around.

By the final 25 metres, most of my fatigue is in my shins and forearms. No matter how much forearm work you do, and I do a lot of it, your forearms will always fatigue. My stroke is geared towards a lot of forearm and back of the shoulder strength, so this area gets really stressed.

#### The Finish

Spinning your wheels is the biggest mistake in the last 50 metres of a 200 metre breaststroke. You are trying to go fast and still keep your stroke together without failing or breaking up.

Remember to finish your kick before you take that pull. You've got to keep it long and strong. If you rush the stroke, you're in trouble. In freestyle you can flail away sometimes and get away with it, but breaststroke is the most technical stroke there is.

Flailing away and spinning your wheels will get you absolutely nowhere but last place.

For the last 25 metres, you should be concentrating on driving your legs like crazy. Make sure that you lunge and dive at that wall rather than just coasting in for the touch. The finish is as much a part of the race as the first 50 metres. You should be able to judge it and hit it properly. Don't finish with your arms bent. Stretch right out, almost laying on top of the water, as you touch the wall.

#### Timing

Everybody's stroke is different. It is all relative to what your timing and body structure are like. At the same time, the one basic rule that stands true for all breaststrokers is that you do have to finish your kick before you start your pull. If you are going to remember one thing, remember that.

You can't have your pull going while your legs are still apart. You have to get the full drive out of your legs before you start getting a pull out of your arms. If your arms are apart and you're driving with your legs, you are creating a negative, pushing against something that is wide rather than streamlined.

Pulling helps my forearms as much as any exercise I do. Make sure when you pull that your elbows are locked, you're getting a lot of water on the outside, you're pulling wide, and your hands are turned out at almost a 90 degree angle. That is where I get most of my forearm work. Pulling sets also strengthen your shoulders. Paddles and pull buoys work very well for that.

For one of my favourite sets I use very small flippers, called boogie flippers. They are smaller than diving flippers, are easy to move around in, and you still get something out of them. My stroke is like a dolphin. This work is geared towards that. A lot of breaststrokers are getting that type of dolphin-wave stroke now.

Accentuateyourlowerbackandbuttockmovements by really breaking the surface of the water with your buttocks, stretching as far as possible with your arms and catching a lot of water. I use flippers, pulling with just paddles and tubing on the land.

I train mostly individual medley, but a third of my training is in breaststroke. It increases when we go into a taper period.

I was good in butterfly and IM, but I found that breast was the hardest stroke to train, not only because you are going slower than everybody, but it seems to be the most fatiguing. It takes so much strength out of you. It was always pushing water, you were never really flowing through the water.

My suggestion is to keep a cool head and keep it all relative. If you race breaststroke you've got to train breaststroke. At the same time, I think it is the coach's responsibility to put the breaststrokers together in one lane and put a lane rope on. It is probably the most frustrating thing in the world for a breaststroker to swim into butterfly and freestyle waves when you are fatigued. It is not a lot of fun.

Work on your stroke constantly. When you get into the race, the last thing you want to worry about is if vour stroke is there.

You have to know your stroke. My coach, Cliff Barry, has really taught me to understand what I'm doing. He teaches you to think for yourself. There are too many robots out there.

Breaststrokers should know where they are at all times: where their feet are, where their hands are, and where their body is in relation to the surface of the water. If you've got a deep start, know that you have a deep start. If you have a shallow start, know that you have a shallow start. Compensate and make the necessary adjustments for these differences.

The most important thing before going into a race is to know that you have done the training and that you have trained breaststroke. Keeping your stroke together is the secret of breaststroke. As soon as you start to rush your stroke, you are in trouble.

#### **CAREER STATS**

	MAIIUM	AL RESULTS	
Year	Placing	Time	Competition
100 B	reaststro	oke	
1982	2nd	1:02.82	Worlds
	3rd	1:03.18	Commonwealths
1984	2nd	1:01.99	Olympics
1986	1st	1:03.01	Commonwealths
	1st	1:02.71	Worlds
1987	1st	1:02.85	Pan Pacifics
1988	4th	1:02.38	Olympics
200 B	reaststro	ke	
1982	1st	2:14.77	Worlds
	1st	2:16.25	Commonwealths
1984	1st	2:13.34	Olympics
1986	2nd	2:16.70	Commonwealths
	2nd	2:14.93	Worlds
1987	3rd	2:18.27	Pan Pacifics
4x100	Medley	Relay (Victo	r's splits)
1982	4th	1:02.83	Worlds
1984	2nd	1:02.33	Olympics
1986	1st	1:02.44	Commonwealths
	4th	1:02.13	Worlds
			D D '''
1987	2nd	1:02.44	Pan Pacifics

CANADIAN CHAMPIONSHIPS						
Year C	Course P	lacing	Time	Competition		
100 B	reaststi	roke				
1981	scm	1st	1:02.34	Winter Natls		
1981	lcm	1st	1:04.41	Summer Natls		
1982	scm	1st	1:01.58	Winter Natls		
1982	lcm	1st	1:03.45	World Trials		
1982	lcm	1st	1:05.01	Summer Natls		
1983	scm	1st	1:02.11	Winter Natls		
1984	scm	1st	1:00.61	Winter Natls		
1984	lcm	1st	1:02.87	Olympic Trials		
1985	scm	1st	1:02.25	Winter Natls		
1985	lcm	1st	1:03.99	Summer Natls		
1986	lcm	1st	1:02.57	Winter Natls		
1987	lcm	1st	1:02.97	Winter Natls		
1987	Icm	1st	1:02.44	Summer Natls		
1988	lcm	1st	1:02.87	Winter Natls		
1988	lcm	1st	1:02.57	Olympic Trials		
1988	lcm	1st	1:03.10	Summer Natls		
1989	scm	1st	1:00.73	Winter Natls		
	reaststi					
1981	scm	1st	2:14.34	Winter Natls		
1981	lcm	1st	2:20.05	Summer Natls		
1982	scm	1st	2:18.28	Winter Natls		
1982	lcm	1st	2:16.47	World Trials		
1982	Icm	1st	2:21.87	Summer Natls		
1983	scm	1st	2:12.04	Winter Natls		
1984	scm	1st	2:09.81	Winter Natls		
1984	lcm	1st	2:14.58	Olympic Trials		
1985	scm	1st	2:14.52	Winter Natls		
1985	lcm	1st	2:18.25	Summer Natls		
1986	lcm	1st	2:15.29	Winter Natls		
1987	lcm	1st	2:17.02	Winter Natls		
1987	lcm	1st	2:15.87	Summer Natls		
1988	lcm	1st	2:18.65	Winter Natls		
1988	lcm	3rd	2:16.21	Olympic Trials		
	utterfly	0 1	0.04.46	140 1 11 11		
1981	scm	3rd	2:01.46	Winter Natls		
1982	scm	1st	1:59.28	Winter Natls		
1982	lcm	3rd	2:03.67	World Trials		
1982	lcm	2nd	2:03.33	Summer Natls		
1983	scm	1st	1:58.49	Winter Natls		
	ndividua			Minter Met		
1982	scm	1st	2:02.22	Winter Natls		
1982	lcm	1st	2:06.72	World Trials		
1982	Icm	3rd	2:08.54	Summer Natls		
1983	scm	2nd	2:02.95	Winter Natls		

2:06.23

4:27.70

4.22 24

Icm

scm

Icm

scm

1982

1982

1983

3rd 400 Individual Medlev

1st

2nd

Winter Natls

Winter Natls

World Trials

Winter Natls

# **PHYSIOLOGY**

# Heart Rate, Lactates, and All the Stuff For the Practising Coach

#### **Wayne Goldsmith**

Coaches are always looking for an edge—a new idea or innovative technique that might provide their athletes with a performance advantage. Sports scientists are in the same game. They search for evidence to support ideas that may lead to breakthroughs in sports training techniques and competition performances.

Sports science is not a magic trick or shortcut or easy way to the top. The methods and techniques of sports science are tools, and like the tools of any trade, their effectiveness lies in the skills of the user.

The challenge is to provide the coaches and athletes with what they need—an edge—without giving them too much information or the wrong type of information and pushing them over it!

#### Tricks of the Trade—Physiology and Coaching

The basic tricks of the trade for physiology are the H.E.L.P.P. techniques:

- Heart Rate
- Energy Systems Training Zones
- Lactate
- Power Output
- Perceived Exertion

These basic techniques are used to help the coach determine the key aspect of training, which is *exercise intensity*, or how hard the athlete is working.

While the *volume* of training is an important issue, it is intensity of training that is the key determinant of how the athlete responds and adapts to the training program.

Intensity of training is *the* key aspect of exercise physiology. Training adaptations, fatigue, recovery, and other issues are all directly affected by training intensity. Successful coaches must have a thorough understanding of training intensity: how to manipulate to achieve performance goals and, very importantly, how to measure it.

To illustrate this, consider an athlete running 30 km in training in a given week. The volume of training is 30 km and there are some physiological adaptations that will occur because of that volume. However, the key to the physiological adaptations is the intensity of training done.

For example, the athlete could:

Jog slowly for 5 km for 6 days and enjoy 1 day off.

Jog slowly for 10 km on 3 days and enjoy 4 days off.

Complete 3 x 10 km time trials all at or near maximum speed.

Complete a 20-km run on one day, then  $5 \times 2$  km time trials at or near maximum speed over the next 6 days.

There are countless combinations of training activities that could be completed as part of the 30 km training volume. However it is the changes and variations in the intensity of training that will determine if coach and athlete achieve their program outcomes.

#### Primary and Secondary Measures—An important Concept

It is important to distinguish between primary and secondary measures. A primary measure is the more constant or controllable of the measures. For example, consider a runner training over a 400-m track. The primary measurements here are time and distance since they can be accurately and reliably measured.

The secondary measure in this situation might be heart rate, since it cannot be measured with the same accuracy as time and distance (especially if it is being measured manually) and it is subject to many other internal and external factors.

The coach generally wants to know how hard the athlete is working at a specific speed over a specific distance. With speed and distance known, then secondary variables, such as heart rate and lactate, can play an important role in providing feedback on the fitness level and progress of the athlete.

#### **Heart Rate**

Once the panacea of sports physiology, heart rate as the primary determinant of exercise intensity is increasingly coming under attack. The reason stems from heart rate being a very volatile indicator of what is happening to the body. For example, heart rate is affected by caffeine, alcohol, fatigue, hydration, nervous system arousal, mental stimulation, and many other factors. Since it is so volatile and subject to so many factors and daily fluctuations, basing training loads exclusively on heart rate is not logical.

However, heart rate is a valuable tool when used in combination with other measures of exercise intensity. For example, in sports like swimming, running, and rowing, coaches use speed or time or power output as the primary measure and heart rate as a secondary measure. The reason is that speed and time can be standardised and measured accurately—heart rate cannot.

A coach would want to know what is the athlete's heart rate at a set speed or at a specific time to provide valuable information on the progress of physiological adaptations that are being targeted by the training program.

However, no one wins gold medals for having the best heart rate: it is one tool, not the "magic pill."

Recent research suggests that heart rates taken manually, particularly at intensity levels above 130 beats per minute, are very inaccurate, and heart rate should not be the exclusive determinant of higher-in-intensity exercise.

#### **Energy Systems / Training Zones**

Energy systems or training zones are one of the most confusing areas of exercise physiology, primarily because the sports scientists themselves cannot agree on the number or nature of training zones that can be recognised and utilised in training for sport.

Some sports scientists recommend three to four aerobic training zones alone and up to nine different training zones in total!

It is impractical and unrealistic to expect that a coach—especially a coach working with team sports in a field situation—can identify, at most, any more than three or four training zones.

For practical purposes, the most readily identifiable and useable zones are:

- Recovery level, relaxed, comfortable
- Low intensity, easy aerobic
- High intensity, sustained pace work—what some might call threshold raining
- Specific pace work at the speed of the targeted competition (with racespecific dynamics)
  - Speed development work (neuromuscular training).

While it is possible to identify other zones in a laboratory setting, with an individual athlete, for all practical purposes, these four training zones will cover the vast majority of training needs for the majority of sports.

#### Lactate

Lactate is one indicator of how hard the body is working in terms of the relative contribution of the aerobic and anaerobic systems. In general terms, the greater the athlete uses his anaerobic system to produce the power and energy to perform an activity, the higher the level of lactate will be.

Lactate is produced in working muscles during hard work and high-intensity efforts. The lactate then "leaks" out of the muscle into the blood, where it can be collected by a simple blood sampling technique, usually from the ear lobe or finger.

The challenge with lactate as a measure of exercise intensity is that it too is subject to variables such as nutrition, recovery level, and fatigue. It is relatively expensive to use and for coaches working with teams of athletes with limited support or assistance, is highly impractical.

#### **Power Output**

Power output can be measured successfully in sports like cycling and rowing where elaborate measuring devices can be placed around the sports equipment to provide information about the athlete's ability to deliver power in a range of circumstances. This provides useful information about technical efficiency (power output during specific movements), fitness level (change in power output with fatigue), strength levels (peak power output), and many other performance factors.

Expensive and often difficult to use, power output measurement equipment is generally not a practical method of measuring exercise intensity for most coaches working in the field, on the road, or out on the water.

#### **Perceived Exertion**

The concept of perceived exertion relies on the subjective judgement and "feel" of the athlete to provide feedback on the intensity level of the training activity.

For example, an athlete may be asked to perform a training activity at a specific intensity level. The coach may chose to prescribe the intensity level, not in terms of objective measurements like speed or time, but in terms of how the athlete "feels" these things.

While there are documented scales of intensity, many coaches and athletes formulate simple scales that are practical and meaningful to them. A 1 to 5 scale is popular and, when used in combination with other measurements, can give a relatively accurate understanding of the athlete's intensity level.

Intensity Level	Feels Like	<b>Equates to</b>
1	Very relaxed	Recovery
2	Easy	Easy Aerobic
3	Tough	Threshold
4	Very Hard— uncomfortable	Race Pace
5	Fast but not hard	Speed / Neural

The downside to using perceived exertion levels is that each athlete's subjectivity about how things "feel" applies to that individual only. A 4 for one athlete may feel like a 2 for another athlete. Also, the feel and rating of an activity may change from day to day as the athlete's level of fatigue, motivation, attitude, and recovery status change.

So what is the best way for a coach to determine the intensity level of training activities?

Recent research (see references) has suggested that heart rate taken by manual palpation is so inaccurate that alternate methods should be sought. Lactate—even with the introduction of hand-held portable analysers over recent years—is expensive and generally impractical for the majority of coaches. Both heart rate and lactate are subject to a wide range of influences and variables that question the validity of using them in many field situations.

In the end, the coach must determine the most appropriate way of monitoring training intensity in their athletes. As athletes become more experienced and get older, it is important that the coach take time to demonstrate and teach athletes to self manage and self monitor so that they themselves can determine accurate training loads.

A summary of the research suggests that the best way may be a combination of two or more of the above physiological measurement techniques.

#### **Practical Example**

Coach and athlete meet at the training venue.

The coach has determined that the training activity should be completed at a moderate pace.

The instruction from coach to athlete may go something like this: "I would like you to run 3 km around 12 minute pace. It should feel about 6 out of 10 pace. Just steady running. Moderate effort."

In this instruction, the coach has given the athlete the same information three ways and has clearly indicated the intensity of the workout. The athlete, educated and trained to understand accurate pacing and the concept of perceived exertion, performs the training activity to the demands of the coach.

On the completion of the 3-km run, the coach takes the athlete's heart rate to determine how hard the athlete is working at the prescribed training pace.

The coach and athlete then exchange "feel" and "feedback."

Coach: "It looked good. It looked comfortable. How did it feel?"

Athlete: "It felt easy. About 6 out of 10. What was my time?"

Coach: "The time was 11:57. Nice pacing."

Athlete: "What about heart rate?"

Coach: "Pretty comfortable—about 140."

Through the interaction of coach and athlete and the combination of "feel" and feedback, the training session can be finetuned to achieve the program goals.

In most cases, simplicity is the key. An educated athlete with a strong feel for pace and an understanding of how her body works, training together with an intelligent coach who has an understanding of and empathy for his athlete and an understanding of the principles of sports science, can achieve anything.

Whilst sports physiology can provide coaches and athletes with technology and tools to measure a wide range of responses and adaptations, often it comes down to what is practical, simple, immediate, and affordable.

Just as no sensible investor put all her eggs in one basket, no coach or athlete should place all his faith in one particular physiological measure or technique.

It is with a combination of the art of coaching and the feel for the athlete, together with the science of sport through the appropriate use of heart rate and other measurement techniques, that the most effective training methodologies lie.

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## CANADIAN UNIVERSITY CHAMPIONSHIPS

# **UBC EXTENDS RULE**

# World Record for Johns in the 400 IM



World record for Brian Johns (UBC)

Margo Chiog

Prian Johns (UBC) was the star at the Annual Canadian Interuniversity Sports (CIS) championships held in Victoria, BC, Jan 21-23 (25 m).

Johns bettered the world record in the 400 individual medley with his 4:02.72, bettering a five-year-old previous record of 4:04.24 by Matthew Dunn (AUS) from 1998. It was a four-second improvement over his previous best.

Johns (UBC) added Canadian and CIS records in the 200 individual medley with 1:56.23, bettering his month-old record of 1:57.21.

Johns had an outstanding championships with one world (400 IM), two Canadian, and three CIS individual records, as well three more in a UBC sweep of all the men's relays. His wins in the 200 back, 200 fly, 200 and 400 IMs, and the relays gave him seven golds. His lead-off leg in the  $4\times200$  free of 1:45.31 was

the second-fastest all-time Canadian performance.

"I'm absolutely ecstatic with my performances," Johns said. "I've never swam so fast in my life. It puts me on the right step towards the World Championships this summer and the Olympics next year."

"Brian can be amongst the best in the world," added Tom Johnson, UBC head coach. "He still has some work to do. Short course is always a stepping stone to long course. But the improvement he's shown in the last year is very encouraging."

Johns was the male swimmer of the meet.

UBC won its fourth consecutive men's team title and its fifth all-time with golds in 12 out of the 19 men's events. Its other big winner was Mark Johnston, sweeping the 200, 400, and 1500 freestyles.

CIS records were bettered in four individual and all three relays in the 19 events on the men's program.

In a closer battle, UBC edged out Calgary 666.5 to 616.5 in the women's team race. UBC now has 11 women's team championships since 1978 and 9 during the past 10 years.

UBC had 19 (3-8-8) medals to Calgary's 14 (6-5-3), but the top individual women's performer was Elizabeth Warden (UofT).

Warden, in her final (fifth) year of eligibility, won the 200 and 400 IM (2:11.99 and 4:38.21), and the 200 backstroke (2:09.14), and added a second in the 200 breaststroke. She set a CIS record in the 400 IM. She has a career total of 10 individual golds.

"This was my last CIS championships," Warden said. "I'm glad to end it with some good swims. I felt I had a shot at the 200 IM national record but the 200 backstroke earlier took too much out of me."

Carla Geurts (UNB), the oldest winner at 31, won the 400 and 800 freestyles, the longer one in a CIS record of 8:30.39. She also won the 50 free and added a second in the 200 free. Geurts was a two-time Olympian for the Netherlands.

Four individual (one was a tie) and two relay CIS records were bettered in the 19 events for women.

UBC coach Tom Johnson was named the CIS swim coach of the year, while Matthew Huang (UBC) and Caitlin Meredith (UBC) were named the CIS rookies of the year.



Liz Warden (UofT) won three events to bring career total to 10

#### MEN'S SCM 400 INDIVIDUAL MEDLEY RECORD SPLIT CHRONOLOGY

Record holder	Butterfly	Backstroke	Breaststroke	Freestyle
Baumann (1987) • •	58.46	<b>2:00.75</b> (1:02.29)	<b>3:12.81</b> (1:12.06)	<b>4:09.64</b> (56.83)
Myden (1995) •	57.59	<b>2:01.82</b> (1:04.23)	<b>3:12.53</b> (1:10.71)	<b>4:09.39</b> (56.86)
Myden (1998) •	56.79	<b>2:00.50</b> (1:03.71)	<b>3:10.47</b> (1:09.97)	<b>4:08.50</b> (58.03)
Sievinen (1992) • •	58.49	<b>2:01.04</b> (1:02.55)	<b>3:11.38</b> (1:10.34)	<b>4:07.10</b> (55.73)
Sievinen (1996) • •	57.91	<b>2:00.57</b> (1:02.66)	<b>3:10.51</b> (1:09.94)	<b>4:06.03</b> (55.52)
Wouda (1997) • •	57.04	<b>1:58.70</b> (1:01.66)	<b>3:08.00</b> (1:09.30)	<b>4:05.41</b> (57.41)
Dunn (1998) • •	57.01	<b>2:00.53</b> (1:03.52)	<b>3:08.68</b> (1:08.15)	<b>4:04.24</b> (55.56)
Johns (2002) •	57.06	<b>1:59.00</b> (1:01.94)	<b>3:09.55</b> (1:10.55)	<b>4:06.85</b> (57.30)
Johns (2003) • •	55.88	<b>1:57.78</b> (1:01.90)	<b>3:06.55</b> (1:08.77)	<b>4:02.72</b> (56.17)

• • = World • = Canadian record

New regulations during the 1990s that have considerably affected short course swimming

- no hand touch at backstroke turn
- underwater kick to 15 metres after start and turns (60 metres out of a 100 may be kicking underwater) applies to backstroke and butterfly
- turning onto stomach to execute turn

## **2003 CIS CHAMPIONSHIPS**

Victoria, BC, Feb 21-23 (25 M)

#### MEN

#### **50 METRES FREESTYLE**

- 22.58 Brent Hayden, 19, UBC 22 87 Daniel Monid 20 LINB 2)
- 22.98 Ryan Tomicic, 22, UMCG
- 4) 22.99 Justin Tisdall,21,UBC
- 5) 23 04 Jason Strelzow 21 LIBC 23.24 Alexandre Pichette, 26, UMCG
- 7) 23.30 Gerard Hunter, 21, UOFL
- 23.46 Matt Wood.22.UWO 8)

#### 100 METRES FREESTYLE

- 49.18 Brent Hayden, 19, UBC
- 2) 49.88 Mark Johnston, 23, UBC
- 50.15 Chad Hankewich, 21, UREG 3)
- 4) 50.24 Justin Tisdall,21,UBC 5) 50.53 Jason Strelzow, 21, UBC
- 50.53 Jean-F. Langlais, 23, ULAV 50.55 Alexandre Pichette, 26, UMCG 7)
- 50.73 Daniel Monid,20,UNB
- 200 METRES FREESTYLE
- 1:46.16 Mark Johnston, 23. UBC 1)
- 2) 1:47.32 Brent Hayden, 19, UBC
- 1:47.94 Chad Hankewich,21,UREG 3) 4) 1:50.20 Cameron Hyder, 20, UOFC
- 5) 1:50.22 Michael Power,22,U0FC
- 1:50.56 Peter Szaflarski,21,UOFT 6) 1:51.98 Jarrod Ballem, 23, UOFC 7)
- 8) 1:52.50 Justin Tisdall.21.UBC

#### **400 METRES FREESTYLE**

- 3:44.99 Mark Johnston, 23, UBC 1)
- 2) 3:54.88 David Creel.22.UVIC 3:54.95 Jarrod Ballem, 23, UOFC
- 3) 3:58.94 David Ling,23,UOFT
- 3:59.85 Nicolas Guillotte, 19, UDEM 5)
- 6) 4:00.87 Serge Loiselle,21,LU
- 4:03.06 Elliot MacDonald,20,UMAN
- 4:03.11 Michael Derban.18.UOFC 8)

#### 1500 METRES FREESTYLE

- 15:15.84 Mark Johnston, 23, UBC 15:33.85 Jesse Jacks,20,UVIC 2)
- 15:36.59 Jarrod Ballem,23,UOFC 3)
- 4) 15:42.26 David Creel,22,UVIC
- 5) 15:45.46 David Ling,23,UOFT
- 15:50.85 Darryl Rudolf, 18, UBC 6)
- 15:53.79 Michael Derban, 18, UOFC 7)
- 16:01.13 Alex Hayes,22,UOTT

#### **50 METRES BACKSTROKE**

- 25.41 Alexandre Pichette, 26, UMCG 1)
- 2) 25.57 Jean-F. Langlais, 23, ULAV
- 3) 25.78 Stephen Preston, 21, ULAV
- 4) 26.23 Doug McCarthy, 21, UMCG 5) 26.34 Jan Pelechytik,22,UREG
- 26.42 Maciek Zielnik,18,UALB 6)
- 7) 26.56 Roland Bauhart, 22, UBC 26.97 Scott Briggs, 20, UOFT 8)

#### **100 METRES BACKSTROKE**

- 54.67 Alexandre Pichette, 26, UMCG 1)
- 54 91 Stenhen Preston 21 III AV 2)
- 3) 56.07 Roland Bauhart, 22, UBC
- 4) 56.36 Michael Power,22,UOFC 56.53 Bryan McMillan,20,U0FG 5)
- 57.23 Doug McCarthy,21,UMCG
- 57.34 Louis-D. Bonneau, 22, UOTT 7)
- 8) 57.77 Graham Diehl,20,UOFC

#### 200 METRES BACKSTROKE

- 1:56.89 Brian Johns, 20, UBC 1)
- 2) 1:58.71 Stephen Preston,21,ULAV 3)
- 1:59.48 Roland Bauhart,22,UBC
- 4) 2:00.69 Michael Power,22,U0FC
- 2:03.33 Matthew Terauds, 19, UDAL
- 2:04.29 Jonathan Schjott,21,UOFC 6)
- 2:04.76 Graham Diehl,20,UOFC 7) 2:04.97 Bryan McMillan, 20, UOFG

#### **50 METRES BREASTSTROKE**

28.68 Michel Boulianne, 24.UDFM 28.77 Matthew Mains, 21, UWAT

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- 28.92 Matthew Huang, 18, UBC 28.98 Gerard Hunter, 21. UOFL
- 5) 29.03 Chris Stewart, 25. UDAL
- 29.22 Matt Wood,22,UWO 29.33 Nathan Parker, 18, UREG 7)
  - 29 71 Patrick Russell 19 HMCM

#### 100 METRES BREASTSTROKE

- 1) 1:01.52 Matthew Mains,21,UWAT 1:01 98 Gerard Hunter 21 LIOFL
- 1:02.12 Matthew Huang, 18, UBC
- 1:02.40 Michel Boulianne,24,UDEM
- 1:02.53 Chris Stewart.25.UDAL 5)
- 1:03.03 Nathan Parker, 18, UREG
- 1:03.14 Aaron Lee,23,UNB 1:04.02 Clayton Delaney,21,WLU

#### 200 METRES BREASTSTROKE

- 2:12.28 Matthew Mains, 21, UWAT 1)
- 2:13.06 Michel Boulianne,24,UDEM 2)
- 2:13.38 Matthew Huang, 18, UBC
- 2:15.69 Nathan Parker, 18, UREG 4)
- 2:17.70 Clayton Delaney,21,WLU
- 2:18.14 Aaron Lee,23,UNB 6) 2:19.54 Alex Boulanger,20,UMCG 7)
- 2:19.83 David Allard,23,UMCG

#### **50 METRES BUTTERFLY**

- 24.35 Chad Hankewich.21.UREG 1)
- 24.78 Jean-F. Langlais, 23, ULAV
- 24.91 Ian MacLeod, 19, UOFT 3)
- 25.05 Gerard Hunter, 21, UOFL
- 5) 25.14 Jesse Jacks, 20, UVIC
- 25.26 Chris Razeau, 22, UMAN 25.49 Alex Babaris, 21, TU 7)

#### 25.60 Philip Weiss 23 LIVIC 100 METRES BUTTERFLY

- 53.60 Chad Murray,21,UOFC 1)
- 54.45 Jean-F. Langlais, 23, ULAV 2)
- 54.54 Jesse Jacks, 20, UVIC
- 54.58 Chad Hankewich, 21, UREG 54.78 Philip Weiss.23.UVIC 5)
- 55.09 Darryl Rudolf, 18, UBC
- 7) 55.26 Jonathan Schjott,21,UOFC 55.92 Chris Razeau, 22, UMAN

#### 200 METRES RUTTERFLY

- 1) 1:54.76 Brian Johns, 20, UBC
- 1:58.80 Jesse Jacks, 20, UVIC 1:58.83 Chad Murray,21,UOFC
- 2:01.24 Jonathan Schjott,21,UOFC
- 2:01.71 Ian MacLeod, 19, UOFT
- 2:01.98 Sebastien Poulin,23,CAMO
- 2:02.34 Philip Weiss, 23, UVIC 7)
- 8) 2:05.72 Taylor Graham, 18, UOFL

#### 200 METRES IND.MEDLEY

- 1:56.23 Brian Johns, 20, UBC 1)
- 2) 2:02.17 Chad Murray,21,U0FC
- 2:03.53 Philip Weiss,23,UVIC
- 2:04.31 Cameron Hyder, 20, UOFC
- 2:05.47 Matthew Mains,21,UWAT
- 2:06.54 Taylor Graham, 18, UOFL
- 2:06.90 Sylvain Lemieux,22,UMCG 7)

#### 2:08 60 David Allard 23 LIMCG

- **400 METRES IND.MEDLEY** 1) 4:02.72 Brian Johns, 20, UBC
- 4:22.72 Cameron Hvder.20.UOFC 2)
- 4:26.19 Roland Bauhart, 22, UBC
- 4:27.54 David Creel,22,UVIC
- 4:28.86 Elliot MacDonald, 20, UMAN
- 4:30.77 Jonathan Bird,20,UOFC
- 4:32.03 Andrew Sweet,21,UALB

# 4:34.62 Jarrod Ballem,23,UOFC

- 4X100 M MEDLEY RELAY 3:39.03 Univ.British Columbia
- 3:45.58 Univ.Laval
- 3:45.74 Univ.Montreal 3) 4) 3:46.08 Dalhousie Univ.
- 5) 3:46.93 McGill Univ.
- 3:47.07 Univ.Calgary 6)
- 3:47.97 Univ.Regina 3:49.92 Univ.Alberta

#### **4X100 M FREE RELAY**

- 3:17.53 Univ British Columbia
- 3:24.08 McGill Univ.
- 3:24.66 Dalhousie Univ.
- 3:24.69 Univ.Calgary 4)
- 5) 3:26 26 Univ Montreal
- 3:27.43 Univ.Toronto
- 3:28.48 Western Ontario 7) 3:28 60 McMaster Univ

- **4X200 M FREE RELAY**
- 1) 7:10.95 Univ.British Columbia 7:24.38 Univ.Calgary 21
- 7:35.66 McGill Univ.
- 3) 7:35.77 Univ.Montreal
- 7:36.62 Dalhousie Univ.
- 7:38.00 Univ.Alberta 6)
- 7:38.11 Univ.Victoria 7:41.01 Univ.Toronto

#### **TEAM SCORES**

- 618.5 Univ.British Columbia 428,0 Univ.Calgary
- 312.0 McGill University 3)
- 222 0 Univ Victoria 4)
- 216.0 Univ.Montreal
- 6) 204.0 Univ.Toronto
- 193.0 Univ.Regina 7) 8) 179.5 Dalhousie Univ.
- 9) 166.5 Univ.Laval 10) 141.5 Univ Alberta

### WOMEN

- **50 METRES FREESTYLE** 26.04 Carla Geurts, 31, UNB
- 26.17 Anna Lydall,22,UBC
- 26.28 Caroline Clapham, 21, UBC 3)
- 4) 26.34 Erin Gammel,22,UOFC 26.35 Laura Grant, 18, UOFC
- 6) 26.73 Genevieve Gregoire.21.UMCG 26.77 Alexandra Lys, 18, UOFC

#### 26.88 Marielle Menard, 22, ULAV

- 100 METRES FREESTYLE 56.43 Sophie Simard, 24, ULAV 1)
- 56.61 Elizabeth Collins, 20, UBC
- 3) 56.61 Alexandra Lys, 18, UOFC
- 4) 56.68 Jessica Deglau, 22, UBC
- 5) 57.03 Laura Grant, 18, UOFC
- 6) 57.05 Anna Lydall,22,UBC 7) 57.41 Gail Whittaker, 23, UDAL

#### 58 06 Sienna Quirk 20 UNB

- **200 METRES FREESTYLE**
- 1) 1:58.25 Sophie Simard,24,ULAV 1:58.60 Carla Geurts, 31, UNB 2)
- 3) 1:59.68 Elizabeth Collins.20.UBC
- 2:00.85 Jessica Deglau,22,UBC 5) 2:00.87 Alexandra Lvs.18.UOFC
- 2:01.80 Deanna Stefanyshyn,18,UBC 6)

#### 2:02.07 Sienna Quirk,20,UNB 7)

- 2:03.10 Karley Stutzel.20.UVIC 8) **400 METRES FREESTYLE** 4:07.94 Carla Geurts,31,UNB
- 4:10.41 Sophie Simard,24,ULAV 2)
- 3) 4:13 01 Julie Gravelle 23 LIOFT

4)

6)

10) 944

945

- 4:15.97 Deanna Stefanyshyn, 18, UBC 4:16.63 Carrie Burgoyne,21,UOFC
- **RATING SUMMARY OF TOP CIS PERFORMANCES** 4:02.72
- 2) 2:11.99 970 3) 969 7:10.95 4x200 free M 4) 5) 963 4:07.94
  - 962 1.58 25 961 1:46.16 200 free M 945 1:47.32 200 free M 945 2:10.23 200 back W 1:00.60

1:59.68

- 400 IM M Brian Johns. 20. UBC Univ.British Columbia,UBC 400 free W Carla Geurts, 31, UNB
- Brent Hayden, 19, UBC Kelly Stefanyshyn, 20, UBC 100 back W

- **800 METRES FREESTYLE**
- 4:17.01 Sienna Quirk,20,UNB 4:18.13 Jessica Deglau, 22, UBC

#### 4:19.13 Alexandra Lys,18,UOFC

- 1) 8:30.39 Carla Geurts, 31, UNB
- 8:37.71 Sophie Simard,24,ULAV 2)
- 8:39.11 Julie Gravelle.23.UOFT
- 4) 8:44.06 Danielle Bell.19.UVIC 8:46.33 Carrie Burgoyne,21,UOFC
- 8:52.42 Deanna Stefanyshyn,18,UBC
- 8:53.80 Karley Stutzel,20,UVIC 7)

#### 9:00.01 Sienna Quirk,20,UNB **50 METRES BACKSTROKE**

- 28 44 Frin Gammel 22 LIOFC
- 29.13 Kelly Stefanyshyn, 20, UBC
- 29.35 Caitlin Meredith, 19, UBC 3) 4) 29.38 Kiera Aitken.21.UDAL
- 29.56 Caroline Clapham, 21, UBC 29.84 Marielle Menard, 22, ULAV
- 7) 30.27 Genevieve Gregoire.21.UMCG 30.41 Marla Breitkreutz.18.UALB
- 100 METRES BACKSTROKE 1:00.60 Erin Gammel,22,UOFC 1)
- 2) 1:01.29 Kelly Stefanyshyn.20.UBC 3) 1:02.59 Caitlin Meredith,19,UBC
- 1:03.30 Melanie Bouchard,21,ULAV 1:03.65 Kiera Aitken,21,UDAL 5)
- 1:04.20 Caroline Clapham,21,UBC 7) 1:04.90 Marla Breitkreutz, 18, UALB
- 1:05.28 Genevieve Gregoire, 21, UMCG 200 METRES BACKSTROKE
- 2:09.14 Elizabeth Warden,25,UOFT 2:10.23 Kelly Stefanyshyn, 20, UBC 2) 2:12.32 Caitlin Meredith 19.UBC
- 4) 2:12.51 Melanie Bouchard,21,ULAV 2:12.60 Erin Gammel,22,UOFC
- 2:16.43 Deanna Stefanyshyn, 18, UBC 2:19.59 Sara Alrouhaie 21 LIMAN 7)
- 2:19.78 Danielle Bell,19,UVIC **50 METRES BREASTSTROKE**
- 32.51 Michelle Laprade,21,UMCG
- 32.93 Emma Spooner, 19, UOFC 33.76 Serena McGibbon,21,UBC
- 33.78 Marie-E. Beaurivage.22.ULAV 4) 33.85 Jennifer Bochen.21.UMAN

#### 34.01 Christie Smith,21,LU 7) 34.01 Sandra McLean, 24, UDAL

- 34.13 Heather Bell,19,UMCG
- 100 METRES BREASTSTROKE 1) 1:10.35 Emma Spooner, 19, UOFC
- 1:11.19 Kristy Cameron,21,UOFC 1:11.29 Shannon Frey,18,UALB
- 1:11.42 Michelle Laprade,21,UMCG 1:13.09 Heather Bell,19,UMCG 1:13.12 Francine Ling, 19, UBC
- 1:13.17 Sandra McLean, 24, UDAL
- 1:13.55 Julie Lafontaine,23,UDEM 200 METRES BREASTSTROKE
- 2:29.11 Kristy Cameron,21,UOFC 2:29.18 Elizabeth Warden, 25, UOFT
- 2:32.07 Emma Spooner,19,UOFC 3) 4) 2:35.25 Dena Durand.22.UOFC

#### 2:35.47 Kristen Lis,19,UOFC 2:35.69 Shannon Frey,18,UALB 7) 2:36.89 Sandra McLean,24,UDAL

- 2:40.56 Heather Bell,19,UMCG **50 METRES BUTTERFLY**
- 27 93 Flizabeth Collins 20 LIBC 1)

2)

200 free W

28.26 Sara Alroubaie,21,UMAN

- 200 IM W Elizabeth Warden,25,UOFT
- 200 free W Sonhie Simard 24 III AV Mark Johnston, 23, UBC
  - Erin Gammel, 22, UOFC Elizabeth Collins, 20, UBC

- 28.52 Laura Grant, 18, UOFC
- 28.55 Diana Bennett, 21, UDAL
- 28.56 Carolyn McCabe, 21, UMCG
- 28.66 Lori Borgal,21,UDAL 6)
- 28.76 Marielle Menard, 22, ULAV
- 29.30 Jennifer Manley, 22, UWO

#### 100 METRES BUTTERFLY

- 1:01.01 Kelly Stefanyshyn,20,UBC 1)
- 1:01.15 Sara Alroubaie,21,UMAN
- 1:01.21 Elizabeth Collins, 20, UBC 1:01.94 Julie Gravelle.23.UOFT
- 4)
- 1:02.28 Melissa Hubley,21,UDAL 6) 1:02.59 Laura Grant, 18, UOFC
- 1:03.29 Melissa Laflamme,20,ULAV 7)
- 1:04.13 Carolyn McCabe,21,UMCG
- **200 METRES BUTTERFLY** 1) 2:12.27 Julie Gravelle.23.UOFT
- 2:13.06 Jessica Deglau,22,UBC
- 2:13.92 Melissa Hubley,21,UDAL
- 2:15.95 Sara Alroubaie.21.UMAN 2:18.64 Michelle Landry,18,UBC
- 2:20.15 Kellie Rolston, 22, UVIC
- 7) 2:21.52 Carolyn McNeill,18,UBC 2:21.71 Dena Durand,22,UOFC
- 200 METRES IND. MEDLEY
- 2:11.99 Elizabeth Warden, 25, UOFT 1)
- 2:16.33 Kristy Cameron, 21, UOFC 2)
- 3) 2:17.91 Michelle Landry,18,UBC 2:18.07 Carrie Burgoyne,21,UOFC
- 2:18.80 Francine Ling, 19, UBC 5) 2:19.35 Caitlin Meredith, 19, UBC
- 7) 2:19.36 Melissa Laflamme,20,ULAV 2:20.00 Dena Durand,22,UOFC 8)
- **400 METRES IND. MEDLEY**
- 1) 4:38.21 Elizabeth Warden,25,UOFT
- 4:43.91 Carrie Burgoyne,21,UOFC 4:50.15 Melanie Bouchard, 21, ULAV
- 4:50.18 Dena Durand.22.UOFC 4) 4:50.92 Michelle Landry, 18, UBC
- 4:58.38 Melissa Laflamme, 20, ULAV 6) 4:59.83 Marcia Bryon,19,UOFT 7)
- 5:20.31 Kristy Cameron,21,UOFC **4X100 M MEDLEY RELAY**
- 4:08.66 Univ.Calgary 1) 4:10.47 Univ.British Columbia
- 4:12.19 Dalhousie Univ. 4) 4:17.67 Univ.Laval
- 4:18.56 Univ.Toronto 4:20.15 McGill Univ.
- 7) 4:22.27 Univ.Alberta 4:27.32 Univ.Manitoba
- **4X100 M FREE RELAY** 3:44.01 Univ.British Columbia 1)

3:53.19 Univ.New Brunswick

- 3:49.76 Univ.Calgary 2) 3:50.75 Univ.Laval 3)
- 3:52.89 Dalhousie Univ.

5)

7)

1)

3)

4)

8)

- 3:54.82 Univ.Toronto 6) 7) 3:55.46 McGill Univ.
- 3:56.84 Univ.Victoria 4X200 M FREE RELAY
- 1) 8:04.71 Univ.British Columbia 8:13.62 Univ.Calgary
- 8:14.51 Univ.Toronto 3) 8:21,99 Univ.Laval 4) 8:24.88 Univ.Victoria 8:28.01 Dalhousie Univ.

8:29 93 Univ New Brunswick

- 8:33.88 Univ.Alberta **TEAM SCORES** 
  - 666.5 Univ.British Columbia 616.5 Univ.Calgary 327.0 Univ.Laval
- 305.0 Dalhousie Univ. 266.0 Univ.Toronto 5) 233.0 McGill Univ. 7) 202.0 Univ.Victoria

191.0 Univ.New Brunswick

- 9) 155.0 Univ.Alberta
  - 133.0 Univ.Manitoba

# 49

# RECORD FOR MINTENKO IN THE 100 BUTTERFLY

f you make the meet long course when most of North America is training and racing short course (yards or metres) and schedule it at the height of the US College season when hundreds of men's and women's teams are busy racing each other, the US Open is bound to have mixed results.

Not a single winning time would have won the US Summer Nationals, but don't blame those that showed up. Many are up-and-coming youngsters like Karalynn Joyce (born 1986), winner of the women's 50 free in a meet record of 25.20. She set a national high school record in the 50 yards freestyle of 22.04 a few weeks before. And three 16-year-old women swept the top three spots in the 100 free. An even younger Jenny Forster, 14, won the women's 200 IM in 2:17.52.

Injured stars made tentative returns, including Olympic champions Brooke Bennett, Lenny Krayzelburg, and Misty Hyman. All have undergone recent surgery and are on the long, slow, comeback trail. Even 32-year-old Hall-of-Fame backstroker Jeff Rouse (1996 Olympic double gold medallist) is back after a six-year retirement and took a first step with a modest fifth in the 200 back.

Krayzelburg won the 100 backstroke in 55.09, surging ahead of Neil Walker (55.25) in the final strokes.

Misty Hyman, the 2000 Olympic 200 fly winner, finished third in the 100 fly with 1:01.79 and eighth in the 200 fly.

Brooke Bennett was modest with her sixth in the 400 free and fifth in the 800 free. The 1996 and 2000 Olympic 800 free champion was only aiming to get her national qualifying times.

Josh Davis, a three-time Olympic relay gold medallist, made up for a disappointing summers eason with a win in the 200 free in 1:48.38, the third-fastest American in 2002. "I spent my whole fall shooting for this night," Davis said. "This was a big swim for me. It's been a year and a half since I've gone this fast and it's nice to know I still got it."

Top performance was by Tom Malchow, winning the 200 butterfly in 1:55.66 (996 points) and giving him the Performance of the Meet honours for his effort. He was swimming in front of his hometown fans. "Anytime I have a chance to race the 200 fly, I like to go after it," Malchow said. "I'm excited about this time for this early in the season."

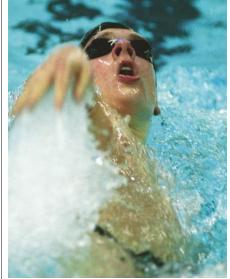
Malchow has 21 sub-1:56 performances in the past four years.

Kyle Bubolcz, in fifth place, bettered the US Age 15-16 50 free record with his 23.15.

The only non American or Canadian winner was Masami Tanaka (JPN) in the 100 and 200 breaststrokes with 1:08.89 and 2:26.52. She is training with Curl-Burke in Washington, DC.

#### Canadian highlights:

Canadians, just three days after the conclusion of the short course nationals in Edmonton, travelled in large numbers to Minneapolis.



Keith Beavers, ROW

Marco Chiesa

They had a very strong showing, with eight firsts including a sweep of the top three spots in the men's 200 breaststroke.

Chad Thompsen and Michael Brown went 1-2 in the men's 100 breaststroke in 1:03.59 and 1:03.92. In the 200 sweep, it was John Stamhuis in first in 2:18.12, Brown second in 2:18.78, and Thompsen third in 2:21.29. All were faster last summer.

Michael Brown from Perth, ON, is attending the University of Minnesota, which was hosting the US Open.

Michael Mintenko bettered his own national record in the 100 butterfly with 52.44, bettering his previous record of 52.58 from the 2000 Olympic final in Sydney. He also finished in second in the 100 freestyle in 50.41.

"It was unexpected," Mintenko said. "I took 17 strokes on the second 50 instead of my usual 18. It's early in the season and we haven't done all the work to be in top form. I had a great finish. It was the first time my second 50 was under 28 seconds. It's a great start to the season." Mintenko's winning time was a meet record, bettering the old one of 52.90 held by no less than Michael Klim (AUS).

Keith Beavers (ROW) won the 200 backstroke in 1:59.75, with Lenny Krayzelburg (USA) in second in 2:00.47. He also won the 400 IM in 4:24.39, adding a sixth in the 200 IM in 2:05.23.

"I felt I had an opportunity to beat him," Beavers said. "I don't have the strength to go out with these guys at the start so I usually save my speed for the end. The key here was to stay relaxed and swim my own race." His splits were 24.56 and 27.88 for each 50.

Audrey Lacroix (CAMO) won the 100 and 200 fly in 1:01.19 and 2:12.81. She was pleased with the 200: "I had a much better race as I went out slower than usual and was able to finish very strong in the final 50." Her best time is 2:11.36 from 2001.



Michael Mintenko, UBCD

#### **2002 US OPEN**

Minneapolis, Dec 5-7 (50 M)

#### MEN

#### **50 METRES FREESTYLE**

- 22.59 Walker Neil.76.USA 2 22.73 Busquets Ricardo,75,PUR
- 3 22.97 Gallagher Dan, 79, USA
- 23.15 Bubolcz Kyle,86,USA 4
- 5 23.56 Ong Allen,79,MAS
- 6 23.56 Dusing Nate,78,USA
- 23.61 Jayme Carlos A.,80,BRA
- 23.65 Vonschoff Scott.78.USA 8

#### **100 METRES FREESTYLE**

- 49.40 Walker Neil.76.USA
- 50.41 Mintenko Michael,75,CAN
- 50.55 Busquets Ricardo,75,PUR 3 51.13 Bubolcz Kyle,86,USA
- 5 51.14 Vonschoff Scott,78,USA
- 6 51.33 Jayme Carlos A.,80,BRA
- 7 51.35 Weber-Gale Garret.85.USA
- 52.12 Silkaitis Terry,83,USA

#### 200 METRES FREESTYLE

- 1:48.38 Davis Josh,72,USA
- 2 1:49.96 Keller Klete,82,USA 3 1:50.76 Say Rick,79,CAN
- 4 1:52.53 Vonschoff Scott,78,USA
- 5 1:52.67 Dusing Nate,78,USA
- 6 1:53.24 Mull Cameron, 76, USA
- 1:53.34 Taylor Matt,81,USA 7
- 8 1:53.61 Preston Adam, 84, USA

#### **400 METRES FREESTYLE**

- 1 3:53.40 Say Rick,79,CAN
- 2 3:53.57 Mortimer Justin,82,USA 3 3:57.00 Thompson Chris,78,USA
- 4 3:57.30 Preston Adam.84.USA
- 3:58.79 Jensen Larsen,85.USA 5
- 6 3:59.44 Lochte Ryan,84,USA
- 7 4:01.10 Taylor Matt,81,USA
- 8 4:02.47 Jaben Max,86,USA

#### 1500 METRES FREESTYLE

- 1 15:22.76 Thompson Chris, 78, USA
- 2 15:41.03 Say Rick,79,CAN
- 3 15:46.10 Mortimer Justin,82,USA
- 4 15:50.17 Lochte Rvan.84.USA
- 5 15:51.95 Jensen Larsen,85,USA
- 6 15:52.41 Keller Klete,82,USA
- 7 15:58.08 Beckerle Travis,84,USA
- 8 15:58 90 Riel Matt 87 USA

#### **100 METRES BACKSTROKE**

- 55.09 Kravzelburg Lenny.75.USA 1
- 2 55.25 Walker Neil,76,USA
- 56.16 Hussein Ahmed,82,EGY 3
- 56.30 Hannan Tommy,80,USA
- 57.03 Smolinski Todd,80,USA 5
- 57.18 Rouse Jeff,70,USA
- 57.58 Beavers Keith,83,CAN 7
- 58.15 Ally Bradley,87,USA

#### **200 METRES BACKSTROKE**

10) 964

1 1:59.75 Beavers Keith,83,CAN 2 2:00.47 Krayzelburg Lenny,75,USA

- 3 2:04.74 Urreta Diego,81,MEX
- 2:05.74 Rouse Jeff,70,USA
- 2:05.82 Smolinski Todd,80,USA
- 2:07.89 Plank Greg, 78, USA 2:08.02 Schirk Patrick,87,USA
- 8 2:08.28 Hartley Brian,83,USA

#### 100 METRES BREASTSTROKE

- 1:03.59 Thomsen Chad,83,CAN
- 1:03.92 Brown Michael,84,CAN 1:04.76 Hackler Jeff,81,USA
- 1:05.54 Lowe Matthew,85,USA 4
- 1:05.85 Charlton Cameron,81,CAN
- 1:06.56 Beckwith Harvey,78,USA
- 7 1:06.66 Chadsey lan,79,USA 8 1:07.28 Hurley Ryan,86,USA

#### **200 METRES BREASTSTROKE**

- 1 2:18.12 Stambuis John. 79. CAN 2 2:18.78 Brown Michael,84,CAN
- 3 2:21.29 Thomsen Chad,83,CAN
- 2:22.15 Hackler Jeff,81,USA
- 2:22.43 Hurley Ryan,86,USA
- 6 2:22.48 Charlton Cameron,81,CAN 2:24.26 Norris Philip,80,USA

#### **100 METRES BUTTERFLY**

- 52.44 Mintenko Michael,75,CAN 53.29 Hannan Tommy,80,USA
- 54.17 Cooper Todd,83,GBR
- 54.31 Bubolcz Kyle.86.USA 4
- 5 54.33 Malchow Tom,76,USA
- 55.02 Abal Pablo,77,ARG 6
- 55.52 Jacks Jesse,82,CAN 8 56.02 Ballem Josh.77.CAN

#### **200 METRES BUTTERFLY**

- 1 1:55.66 Malchow Tom,76,USA
- 2 2:03.34 Taylor Matt,81,USA 2:03.52 Cooper Todd,83,GBR 3
- 2:04.26 Jacks Jesse,82,CAN
- 2:07.47 Eaddy Jason,75,USA
- 6 2:07.78 Pedersen Anders Bo,81,DEN
- 2:09.34 Natali Michael,85,USA

#### **200 METRES IND. MEDLEY**

- 2:02.66 Kerekjarto Tamas, 79, HUN
- 2 2:04.18 Montague Joey,78,USA
- 3 2:04.18 Urreta Diego,81,MEX
- 2:04.63 Lochte Ryan,84,USA 4
- 2:05.05 Ally Bradley,87,USA 6 2:05.23 Beavers Keith.83.CAN
- 2:05.64 Karnaugh Ron,66,USA
- 8 2:09.17 Plummer Rvan.81.USA

#### **400 METRES IND. MEDLEY** 1 4:24.39 Beavers Keith,83,CAN

- 4:25.60 Kerekjarto Tamas,79,HUN
- 3 4:29.37 Lochte Ryan,84,USA
- 4 4:29.97 Urreta Diego,81,MEX
- 4:30.69 Donnelly Eric,80,USA
- 4:31.26 Ally Bradley,87,USA
- 4:34.23 Plummer Ryan,81,USA

#### 4:34.64 Barber Justin,85,USA **4X100 MEDLEY RELAY**

- 3:46.64 Univ.of Minnesota, USA

Kerekjarto Tamas 79,HUN

3:50.76 Univ.of Minnesota B,USA

#### 3 3:51.92 Univ.of Florida,USA

	F	RATING SUMN	MARY OF TOP PE	ERFORMANCES
1)	996	1:55.66	200 fly M	Malchow Tom 76,USA
2)	994	52.44	100 fly M	Mintenko Michael 75,CAN
3)	977	55.09	100 back M	Krayzelburg Lenny 75,USA
	977	2:26.52	200 breast W	Tanaka Masami 79,JPN
5)	973	55.25	100 back M	Walker Neil 76,USA
6)	971	53.29	100 fly M	Hannan Tommy 80,USA
7)	970	1:48.38	200 free M	Davis Josh 72,USA
8)	969	1:59.75	200 back M	Beavers Keith 83,CAN
0)	OCE	25.20	EO from M	Journa Maralupa OC LICA

200 IM M

#### **4X100 FREE RELAY**

- 1 3:23.77 Circle C Swim.USA
- 2 3:27.55 Univ.of Minnesota.USA
- 3 3:30.38 Univ.of Minnesota B,USA

#### **4X200 FREE RELAY**

- 7:33.91 Univ.of Minnesota, USA
- 7:37.75 Circle C Swim, USA
- 3 7:48 73 Univ of Florida B USA

#### WOMEN

#### **50 METRES FREESTYLE**

- 25.20 Joyce Karalynn,86,USA
- 25.43 Stone Tammie, 76, USA
- 3 25.52 Weir Amanda,86,USA
- 25.65 Swindle Christina,84,USA 4
- 25.76 Lanne Colleen, 79, USA
- 25.98 Jeffrey Rhiannon,86,USA 26.29 Nymeyer Lacey, 86, USA
- 8 26.80 Kelly Lindsey,87,USA

#### **100 METRES FREESTYLE**

- 55.60 Weir Amanda,86,USA
- 2 55.84 Jeffrey Rhiannon,86,USA 55.86 Joyce Karalynn,86,USA
- 55.91 Lanne Colleen 79 USA
- 56.12 Swindle Christina,84,USA
- 56.78 Williams Stefanie,79,USA 6 57.07 van Rooijen Manon,82,NED
- 57.19 Stone Tammie, 76, USA

#### 200 METRES FREESTYLE

- 2:02 19 Lanne Colleen 79 USA
- 2:02.53 Weir Amanda,86,USA
- 2:03.05 van Rooijen Manon,82,NED
- 2:03.40 Deglau Jessica,80,CAN 5
- 2:03.52 Jeffrey Rhiannon,86,USA 2:04.36 Nisbet Karen,81,GBR 6
- 2:04.51 Joyce Karalynn,86,USA

#### 8 2:05.66 Koronowicz Kierstin.86.USA

- **400 METRES FREESTYLE** 1 4:15.64 McLarty Sara.83.USA
- 2 4:15.90 Deglau Jessica,80,CAN
- 3 4:15.99 Kiel Alyssa,87,USA
- 4 4:16.76 Lencoe Taryn,86,CAN
- 5 4:19.36 Munz Diana,82,USA
- 4:19.68 Bennett Brooke.80.USA
- 7 4:20.59 Kelly Kimberly,86,USA 8 4:21.65 Costella Lauren,85,USA

#### **800 METRES FREESTYLE**

- 8:39.71 Munz Diana,82,USA 8:40.28 Kiel Alyssa,87,USA
- 3 8:44.28 McLarty Sara,83,USA
- 4 8:48.25 Lencoe Taryn,86,CAN 8:49.30 Bennett Brooke,80,USA
- 8:51.18 Reimer Brittany,88,CAN
- 7 8:53.01 Kelly Kimberly,86,USA 8 8:54.63 Ziegler Kate,88,USA
- **100 METRES BACKSTROKE**
- 1:02.47 McGregory Hayley,86,USA 2 1:03.49 Rogers Lauren,87,USA
- 3 1:04.02 Gammel Erin,80,CAN
- 1:04:31 Woessner Susan 80 USA 4
- 1:04.35 Reid Jamie,83,USA
- 1:04 60 Forster Frin 85 USA 1:04.88 Farrell Maureen,83,USA

#### 8 1:05.75 Akradi Roxane,86,USA

- **200 METRES BACKSTROKE**
- 1 2:15.75 McGregory Hayley,86,USA 2 2:16.72 Reid Jamie,83,USA
- 2:17.47 Chura Haley,85,USA

5

- 2:17.71 Rogers Lauren,87,USA 2:18.36 Forster Erin.85.USA
- 2:18.88 Beller Yeng,88,USA 2:21.06 McLane Julianne,87,USA

#### 8 2:21.95 Stinnett Lauren,80,USA **100 METRES BREASTSTROKE**

## 1 1:08.89 Tanaka Masami.79.JPN



Audrey Lacroix, CAMO

2 1:10.14 Kowal Kristy, 78, USA

3 1:11.19 Bernhardt Vipa,82,GER

4 1:11.29 Hehn Keri,81,USA

5 1:11.40 Spann Alexandra,86,USA 1:12.28 Petelski Christin,77,CAN

## 7 1:12.37 Leier Rhiannon,76,CAN

## 8 1:12.47 Hall Whitney,88,USA

- **200 METRES BREASTSTROKE** 1 2:26.52 Tanaka Masami,79,JPN
- 2 2:29.80 Kowal Kristy,78,USA
- 3 2:31.89 Bernhardt Vipa,82,GER
- 4 2:32.47 Hehn Keri,81,USA
- 2:33.35 Spann Alexandra,86,USA 5 6 2:34.75 Petelski Christin,77,CAN

#### 7 2:36 18 Sakamoto Hiroka 81 JPN 8 2:37.45 Stein Kellie,82,USA

- 100 METRES BUTTERFLY
- 1 1:01.19 Lacroix Audrey,83,CAN
- 2 1:01.68 Azevedo Laura,82,BRA
- 3 1:01.79 Hyman Misty,79,USA 4 1:02.44 Conneally Caitlin,85,USA
- 1:03.16 Rodakowski Juleen,83,USA 6 1:03.58 Beller Yeng,88,USA 7 1:04.09 Stinnett Lauren,80,USA

#### 8 1:42 18 Weilhacher Anne 81 USA

- **200 METRES BUTTERFLY** 1 2:12.81 Lacroix Audrey,83,CAN
- 2 2:14.25 Stinnett Lauren,80,USA 3 2:15.31 Deglau Jessica,80,CAN
- 4 2:16.88 McLarty Sara.83.USA 5 2:17.17 Bechem Jennifer,81,USA 6 2:17.44 Harper Rebecca,83.USA

7 2:17.93 Stojanovska Vesna,85,MKD

Marco Chiesa

- 8 2:20.48 Hyman Misty, 79, USA 200 METRES IND.MEDLEY
- 2:17.52 Forster Jennifer,88,USA
- 2:18.62 Kowal Kristy, 78, USA 3 2:19.00 McLarty Sara,83,USA
- 4 2:19.76 Mattsson Ida,85,SWE
- 2:20.61 Taflinger Brooke,81,USA
- 6 2:20.69 Braun Katherine,85,USA 7 2:22.47 Reid Jamie,83,USA

#### 8 2:25.07 van Rooijen Manon,82,NED

- **400 METRES IND. MEDLEY**
- 1 4:49.87 Forster Jennifer,88,USA 2 4:51.63 McLarty Sara,83,USA
- 3 4:53.71 Taflinger Brooke,81,USA 4 4:55.76 Dwellev Kate.89.USA
- 5 4:58.07 Costella Lauren,85,USA

#### 6 4:59.35 Johnson Brittany,85,USA 7 5:02.49 Woodruff Kelly,85,USA

#### 8 5:03.81 Kiel Alyssa,87,USA **4X100 MEDLEY RELAY** 1 4:17 60 Circle C Swim USA

#### 2 4:17.88 Univ.of Minnesota, USA 3 4:18 47 Univ of Florida USA

- **4X100 FREE RELAY**
- 1 3:51.98 Pine Crest SC,USA 2 3:52.59 Circle C Swim, USA

#### 3 3:53.92 Dallas Mustangs A,USA **4X200 FREE RELAY**

- 1 8:24.67 Sun Devils.USA
- 2 8:27.86 Indiana Univ., USA
- 3 8:27.94 Circle C Swim.USA

2:02.66

# **AUSTRALIA DOMINANT**

# Nederpelt Wins Seven Golds, Reimer Top

he four-day Australian Youth Olympic Festival swimming events ended on January 12 with a clear victory for the host nation with 34 (19-8-7) medals. Aussie Travis Nederpelt won six individual events and a seventh gold as a member of the 4x200 free relay.

Nederpelt, from Western Australia, won a gold in every one of the events he contested: the 400, 800, and 1500 free, 200 fly, and 200 and 400 IM. He won the 1500 freestyle on the last day in 15:23.94 by a 10-metre margin over second place. In the 200 IM, it was a come-from-behind swim as he was in fifth place at the 100 and third after the breaststroke leg. He moved into the lead on the freestyle leg to touch in 2:04.73.

Australian Youth head coach Leigh Nugent was proud of his entire Australian team's performance at the Youth Olympics, and described the racing and results of Travis Nederpelt as some of the best he has witnessed.

#### **Canadian Youth Team**

Selected off Summer Nationals, Victoria, Aug 6-10

#### Girls

Jen Porenta,17,Halton Hills AC
Erin Kardash,16,Manitoba Marlins
Brittany Reimer,15,Surrey Knights
Bevan Haley,15,Wolfville Tritons
Hanna Kubas,16,Edmonton Keyano SC
Jessie Bradshaw,18,Univ.Calgary SC
Joanie Bernier,18,CNC Beauport
Michelle Landry,17,UBC Dolphins

#### **Boys**

Colin Russell,18,Barrie Trojans Graham Tozer,17,Manitoba Marlins Matthew Hawes,16,Nepean Kanata Scott Dickens,18,Brantford AC Matthew Huang,18,UBC Dolphins Darryl Rudolf,18,UBC Dolphins Steve Medaglia,17,Nepean Kanata Callum Ng,18,Cascade SC

National Senior Coach Dave Johnson National Junior Coach Deryk Snelling Team Manger Ken Radford Assistant Coach Cory Beatt Assistant Coach Heather MacFarlane Personal Coach Nicholas Perron

#### **MEDAL TOTALS**

Medals AUS USA JPN CAN NZL	Gold 19 6 5 4 1	Silver 8 9 5 10 1	Bronze 7 15 2 7 3 3 24	Total 34 30 12 21 5
	35	33	34	102

"It was a great performance by all members of the Australian team but especially Travis, who has shown an incredible amount of success and diversity at this meet and should be a name to look out for in the very near future," Nugent said.

This is the second Youth Festival in Sydney and it is a multi-sport competition among Pacific Rim countries. This year, 1400 athletes from 15 countries in 14 sports took part.

In swimming, only two from each country advance to the final but any number may be entered in the prelims. Some events had B finals if there were more than 30 entries. One event was a direct final as there were only seven entries (women's 200 fly). It was a four-day competition in the Olympic pool in Sydney.

Canada had 16 swimmers (8 girls and 8 boys), 5 coaches, and a team manager. In 2001, Canada sent 10 and 10 for a total of 20 swimmers.

In 2001, Canada won 22 medals (7-10-5), finishing second behind Australia with 37 (15-12-10).

The big Canadian story was Brittany Reimer. The 15-year-old won the 200 freestyle in 2:02.84, added seconds in the 400, 800, and 1500 free, and was part of the winning girls 4x200 free relay. The relay win was a great team effort against Australia. The Canadians were behind after the first three swimmers, but Reimer, swimming anchor, did a 2: 01.78 to Australia's Belinda Wilson's 2:03.46. Canada's time was 8:16.59 and Australia's 8:17.32.

Reimer had a great competition. Her 1500 free time of 16:37.54, second behind winner Yumi Kida (JPN) in 16:33.24, bettered a 16-year-old Canadian Senior record of 16:40.60 by Elissa Purvis, CDSC.

"I was a bit surprised to win the 200 freestyle," Reimer said. "But after qualifying first, I felt I was a contender for the gold."

"My training time showed I could get the record,"

Reimer said after the 1500 free.

The boys' team also had its share of wins as Matthew Huang won the 100 breaststroke in 1:03.71 with Scott Dickens second in 1:03.93.

"I needed this type of performance to re-ignite my career," Huang said. "It hasn't gone as well as I'd like since I was a relay alternate on the 2000 Olympic team, mainly because of school commitments. I had a great battle with Scott Dickens here."

Huang was second in the 100 breaststroke at the 2000 Canadian Olympic Trials in 1:03.23 and fourth in the 200 breaststroke in 2:17.88.

In the 200 breaststroke, Scott Dickens tied for first in 2:18.42 with Rory Comerford (AUS), with Huang missing a medal in fourth.

Colin Russell was second in the 100 free in 51.43 and also in the 200 free in 1:52.12, adding a third in the 400 free with 3:58.90.

Darryl Rudolf was second in the 200 fly in 2:03.83. All three boys' relays medalled with silvers in the 4x100 medley and 4x100 free, and bronze in the 4x200 free.

Of the 34 events, 21 winning times were faster in 2001 including all the relays.

# EUROPE vs PANPAC YOUTH COMPARISON

Event	<b>YOUTH</b> 2001	<b>EU JRS</b> 2002	<b>YOUTH</b> 2003
BOYS	2001	2002	2000
50 free	23.38	22.74	23.30
100 free	51.12	50.47	51.22
200 free	1:51.85	1:50.26	1:51.85
400 free	3:54.11	3:53.59	3:55.61
1500 free	15:24.72	15:14.85	15:23.94
100 back	56.90	56.09	56.41
200 back	2:00.03	2:02.81	2:03.81
100 breast	1:03.93	1:03.25	1:03.71
200 breast	2:18.12	2:17.08	2:18.42
100 fly	54.57	53.76	53.85
200 fly	1:58.38	1:59.25	2:01.76
200 IM	2:04.04	2:03.65	2:04.73
400 IM	4:19.99	4:19.81	4:21.34
4x100 MR	3:46.27	3:44.99	3:46.92
4x100 FR	3:24.54	3:24.12	3:24.86
4x200 FR	7:30.49	7:28.12	7:31.72
GIRLS			
50 free	26.39	25.76	26.24
100 free	57.25	56.73	57.07
200 free	2:01.07	2:02.40	2:02.84
400 free	4:16.18	4:15.43	4:14.18
800 free	8:43.64	8:43.64	8:40.32
100 back	1:02.89	1:01.88	1:03.53
200 back	2:12.42	2:11.56	2:15.85
100 breast	1:10.75	1:09.91	1:10.89
200 breast	2:28.35	2:26.42	2:32.78
100 fly	1:01.16	1:02.19	59.95
200 fly	2:13.35	2:13.45	2:11.98
200 IM	2:18.24	2:16.35	2:18.00
400 IM	4:48.36	4:46.20	4:51.21
4x100 MR	4:13.07	4:12.41	4:16.20
4x100 FR	3:49.03	3:48.96	3:49.34
4x200 FR	8:16.55	8:14.59	8:16.59

#### **AUSTRALIAN YOUTH OLYMPIC FESTIVAL**

Sydney, Jan 9-12 (50 M)

#### **BOYS**

50	METRES	FREESTVII

- 23.30 Bubolcz Kyle,86,USA 23.51 Grevers Matthew,85,USA 23.57 Herring Mark,85,NZL 3 23.58 Sullivan Eamon, 85, AUS
- 23.80 Tozer Graeme.85.CAN 6 23.91 Sharp Robert,84,AUS
- 24.09 Swanepoel Corney,86,NZL 24.36 Yamamoto Hiroaki,84,JPN

#### 100 METRES FREESTYLE

- 51.22 Grevers Matthew,85,USA 51.43 Russell Colin,84,CAN 51.51 Bubolcz Kyle,86,USA
- 51.66 Herring Mark, 85, NZL 52.49 McIntosh Braydon,84,AUS 52.54 McDonald Cameron,84,AUS
- 52.56 Tozer Graeme.85.CAN 52.76 Yamamoto Hiroaki,84,JPN

#### 200 METRES FREESTYLE

- 1:51.85 Sharp Robert,84,AUS 1:52.12 Russell Colin.84.CAN 3 1:52.50 Sakamoto Noa,85,USA
- 4 1:52.62 McGinnis Matt,86,USA 5 1:53.67 Thompson Andrew,86,AUS
- 1:54.26 Yamamoto Hiroaki,84,JPN 1:55.01 Dickens Scott,84,CAN 1:57.57 Pickersgill-B Ben,84,NZL

#### **400 METRES FREESTYLE**

- 3:55.61 Nederpelt Travis,85,AUS 3:56.81 Sakamoto Noa,85,USA 3:58.90 Russell Colin,84,CAN
- 3:59.87 Miyajima Takehiro,86,JPN 3:59.89 Semmens Ashley,84,AUS 4:02.81 Haszard Arjun,85,NZL
- 4:03.05 Cuttino Judson,85,USA 4:08.94 Gardner Shaun.85.NZL

#### **800 METRES FREESTYLE**

- 8:04.11 Nederpelt Travis,85,AUS 8:12.26 Miyajima Takehiro,86,JPN 3 8:15.01 Semmens Ashley,84,AUS
- 8:16.48 Cuttino Judson,85,USA 8:18.29 Hewko Daniel A.,86,USA 8:20.56 Glucina Matthew,85,AUS
- 8:26.96 Haszard Arjun,85,NZL 8:29.82 Gardner Shaun, 85, NZL

#### **1500 METRES FREESTYLE**

- 15:23.94 Nederpelt Travis,85,AUS 2 15:37.48 Miyajima Takehiro,86,JPN 3 15:40.71 Glucina Matthew.85.AUS 4 15:47.83 Cuttino Judson,85,USA
- 5 15:50.86 Sakamoto Noa.85.USA 6 15:56.86 Hewko Daniel A..86.USA
- 16:02.51 Semmens Ashley,84,AUS 8 16:07.68 Nead Kevin.86.USA

#### **100 METRES BACKSTROKE**

- 56.41 Grevers Matthew,85,USA 57.92 Brodie Leith,86,AUS 58.06 Sun Hong Zhe,85,USA 58.30 Koga Junya,84,JPN
- 58.38 Uchida Shouhei,84,JPN 58.65 Hawes Matt,86,CAN
- 59.12 Williams Lewis,85,NZL 59.87 Braddock Damian, 86, NZL

#### **200 METRES BACKSTROKE**

- 2:03.74 Clark lan,85,USA 2:03.91 McGinnis Matt.86.USA 2:05.26 Hawes Matt.86.CAN
- 2:06.18 Uchida Shouhei,84,JPN 5 2:06.18 Matsui Kasaku.84.JPN
- 2:08.45 Braddock Damian.86.NZL 2:09.98 Ng Callum,85,CAN 2:12.35 Kirby Chris,86,AUS

#### **100 METRES BREASTSTROKE**

- 1:03.71 Huang Matthew,84,CAN 1:03.93 Dickens Scott,84,CAN 1:04.28 Newman Keenan,85,USA
- 1:04.92 Comerford Rory,85,AUS 1:05.15 Kibbe James,84,USA
- 1:05.67 Brodie Sam,84,AUS 1:06.05 Snyders Glenn,85,AUS

#### 8 1:07.19 Anderson Nick,85,NZL 200 METRES BREASTSTROKE

- 2:18.42 Comerford Rory,85,AUS 2:18.42 Dickens Scott.84.CAN 2:18.97 Kibbe James, 84, USA
- 2:19.64 Huang Matthew,84,CAN 2:21.67 Hurley Ryan,86,USA
- 2:22.14 Snyders Glenn,85,AUS 6 2:26.48 Otsuka Kazuki,85,JPN 2:26 61 Brodie Sam 84 AUS

#### 100 METRES BUTTERFLY

- 53.85 Swanepoel Corney,86,NZL 54.44 Bubolcz Kyle,86,ÚSA 55.62 Sharp Robert,84,AUS
- 55.65 Takamoto Syouta,84,JPN 55.69 Walkotten Nicholas,86,USA 6 55.93 Rudolf Darryl,84,CAN
- 56.13 Fujii Shunsuke,87,JPN 56.53 Lee Henry,85,AUS

#### **200 METRES BUTTERFLY**

- 2:01.76 Nederpelt Travis.85.AUS 2:03.83 Rudolf Darryl,84,CAN 2:03.86 Ng Callum.85.CAN
- 2:04.64 Kaneda Kazuyo,85,JPN 2:04.95 Lee Henry,85,AUS
- 2:05.35 Walkotten Nicholas,86,USA 2:05.94 Fujii Shunsuke,87,JPN

#### 2:07.85 Johnson Mark,84,USA **200 METRES IND. MEDLEY**

- 2:04.73 Nederpelt Travis,85,AUS 2:05.58 Brodie Leith,86,AUS
- 2:05.72 Clark lan,85,USA 2:07.01 Mellors Patrick,85,USA 2:07.55 Ng Callum,85,CAN
- 2:08.57 Medaglia Steven,84,CAN 2:12.24 Hotchin Chris.85.NZL

#### 2:12.64 Jack Michael,85,NZL 400 METRES IND. MEDLEY

- 4:21.34 Nederpelt Travis,85,AUS 4:27.03 Newman Keenan.85.USA
- 4:28.47 Mellors Patrick,85,USA 4:31.86 Ng Callum,85,CAN 4:35.01 Medaglia Steven,84,CAN
- 4:40.10 Braddock Damian,86,NZL 4:42.98 Iwata Kosuke,86,JPN
- 4:46.02 Besler Adam,86,AUS **4X100 MEDLEY RELAY**

- 1 3:46.92 United States, USA 57.19 Grevers Matt
  - 1:04.15 Newman Keenan 54.36 Bubolcz Kyle

#### 51.22 Flatt Wesley 2 3:49.50 Canada.CAN

- 58.81 Hawes Matt
- 1:03.96 Huang Matthew 55.41 Rudolf Darryl
- 51.32 Russell Colin

#### 3 3:50.87 Australia, AUS

- 58.70 Brodie Leith 1:04.45 Comerford Rory
- 56.04 Sharp Robert
- 51.68 McIntosh Braydon 3:51.94 New Zealand, NZL
- 3:58.13 Japan,JPN 3:51.81 United States B,USA
- 3:56.28 Australia B,AUS 3:57.03 Japan B,JPN

#### **4X100 FREE RELAY**

#### 1 3:24.86 United States, USA

- 51 10 Grevers Matt 52.20 McGinnis Matt
- 51.22 Flatt Wesley

## 50.34 Bubolcz Kyle

- 2 3:27.38 Canada, CAN 51.79 Russell Colin
  - 51.51 Tozer Graeme 52.15 Dickens Scott 51.93 Rudolf Darryl

#### 3 3:31.14 New Zealand.NZL

- 52.10 Pickersgill-Brown Ben 52.38 McMillan Andrew
- 54.06 Hotchin Chris
- 52.60 Herring Mark 4 3:38.32 Japan, JPN

- 3:30.22 Australia B,AUS 3:30.78 United States B,USA
- 3:30.24 Japan B,JPN

#### disq Australia A.AUS **4X200 FREE RELAY**

## 1 7:31.72 Australia AUS

- 1:52.56 Thompson Andrew 1:53.20 Sharp Robert 1:53.25 Semmens Ashley
- 1:52.71 Nederpelt Travis 2 7:33.56 United States.USA
  - 1:53.26 Sakamoto Noa 1:52.65 McGinnis Matt 1:55.51 Mellors Patrick
- 1:52.14 Flatt Wesley 3 7:39.27 Canada, CAN
  - 1:53.03 Russell Colin 1:54.70 Rudolf Darryl
  - 1:54.43 Tozer Graeme 1:57.11 Dickens Scott 7:45.76 New 7ealand N7I
  - 7:50.33 Japan JPN 7:43:50 United States B USA

#### 7:43.76 Australia B,AUS 8:03.75 Japan B,JPN

#### **GIRLS**

- **50 METRES FREESTYLE** 26.24 Guehrer Marieke, 85, AUS 26.26 Mitchell Melissa,87,AUS 26.71 Porenta Jennifer,85,CAN 26.73 Kardash Erin,85,CAN 26.79 Kugler Kassandra,87,USA 26.87 Nakamura Nozomi,89,JPN
- 26.91 Hansen Codie.86.USA 27.19 Toomey Julia,86,NZL

#### **100 METRES FREESTYLE**

- 57.07 Guehrer Marieke.85.AUS 57.16 Mitchell Melissa,87,AUS
- 57.19 Kardash Erin,85,CAN 57.48 Porenta Jennifer,85,CAN
- 57.50 Kugler Kassandra,87,USA
- 58.63 Tanaka Hiro, 88, JPN 59.03 Reynolds Caitlin,88,USA 59.30 Nakamura Nozomi,89,JPN

#### 200 METRES FREESTYLE

- 2:02.84 Reimer Brittany,88,CAN 2:03.02 Mitchell Melissa,87,AUS
- 2:04.02 Kugler Kassandra,87,USA 2:04.05 Kardash Erin,85,CAN
- 2:04.17 Kida Yumi,85,JPN 2:04.45 Lehner Andrea.89.USA
- 2:04.54 Walker Meagan,84,AUS 2:04.70 Linton Rebecca.85.NZL

#### **400 METRES FREESTYLE**

- 4:14.18 Wilson Belinda,84,AUS 4:15.61 Reimer Brittany,88,CAN 4:18.17 Hentzen Whitney,86,USA
- 4:18.49 Kida Yumi,85,JPN
- 4:20.43 Linton Rebecca,85,NZL 4:21.60 Swinley Leslie,88,USA

#### 4:22.99 Mitchell Melissa,87,AUS 2 2:14.64 Crossingham Charnelle,84,AUS

Australian Youth Olympic Festival Top Performances

#### 951 16:33.24 1500 free W Kida Yumi 85,JPN 951 4:14.18 400 free W

- 3) 950 8:04 11 800 free M 950 53.85 100 fly M 5) 944 16:37.54 1500 free W
- 6) 943 8:16.59 7) 942 59.95 8)

934 11)

9)

940 8:17.32 938 56.41 938 1:00.09

54.44

- Wilson Belinda 84, AUS Nederpelt Travis 85, AUS
- Swanepoel Corney 86,NZL Reimer Brittany 88, CAN
- 4x200 free W Canada, CAN
  - 100 fly W Schipper Jessica 87,AUS Australia, AUS
- 4x200 free W 100 back M Grevers Matthew 85,USA 100 fly W Breeden Elaine 89,USA
  - 100 fly M Bubolcz Kyle 86,USA

3 2:14.73 Breeden Elaine,89,USA

8 4:25.85 Yoshimura Shiho,87,JPN

8:40.32 Wilson Belinda,84,AUS

8:41.03 Reimer Brittany,88,CAN

8:45.43 Hentzen Whitney,86,USA

8:48.63 Kelly Kimberly,86,USA

8:52.80 Swinley Leslie,88,USA

8:54.45 Linton Rebecca,85,NZL

8:56.15 Gorman Melissa,85,AUS

8:48.65 Kida Yumi,85,JPN

**1500 METRES FREESTYLE** 

16:33.24 Kida Yumi,85,JPN

2 16:37.54 Reimer Brittany,88,CAN

3 16:41.44 Wilson Belinda,84,AUS

4 16:49.35 Kelly Kimberly,86,USA

5 16:52.65 Swinley Leslie,88,USA

6 16:57.25 Gorman Melissa,85,AUS

7 16:57.69 Hentzen Whitney,86,USA

1:03.53 Tanaka Hiro,88,JPN

1:03.80 Rogers Lauren,87,USA

1:04.13 Ingram Melissa,85,NZL

1:04.37 Seah Nicole,86,AUS

1:04.56 Kubas Hanna,85,CAN

1:05.04 Houlton Molly,88,USA

1:05.32 Zimmer Tayliah,85,AUS

1:05.80 Bradshaw Jessie.84.CAN

8 17:03.24 Iwai Kanae,85,JPN

**100 METRES BACKSTROKE** 

**200 METRES BACKSTROKE** 

2:15.85 Tanaka Hiro,88,JPN

2:15.85 Ingram Melissa,85,NZL

2:16.42 Houlton Molly,88,USA

2:18.55 Leane Karina,85,AUS

2:19.00 Newcombe Kelly,85,NZL

2:19.49 Rogers Lauren,87,USA

2:21.40 Kubas Hanna,85,CAN

1:10.89 Nakamura Sayaka,87,JPN

1:11.19 Taneda Megumi,86,JPN

1:13.03 Collins Lauren, 86, AUS

1:13.72 Kilkuts Courtney,88,USA

1:14.78 De Golia Hailev.86.USA

1:15.29 Swanson Lara, 87, AUS

**200 METRES BREASTSTROKE** 

1:16.51 Laughton Stephanie,87,NZL

disg. Tamura Nanaka, 87, JPN

2:32.78 Tamura Nanaka,87,JPN

2:34.78 Taneda Megumi,86,JPN

2:36.76 De Golia Hailey,86,USA

2:37.32 Swanson Lara,87,AUS

2:43.65 Carroll Lara, 86, AUS

**100 METRES BUTTERFLY** 

**200 METRES BUTTERFLY** 

2:39.22 Kilkuts Courtney,88,USA

2:44.93 Laughton Stephanie,87,NZL

2:50.52 Dunlop-Barrett Ayla,87,NZL

59.95 Schipper Jessica,87,AUS

1:00.09 Breeden Elaine,89,USA

1:02.30 Watanabe Kozue,86,JPN

1:02.75 Crossingham Charnelle,84,AUS

1:02.80 McCawley Margo,86,USA

1:03.10 Okumura Ayaka,86,JPN

1:04.54 Porenta Jennifer.85.CAN

2:11.98 Schipper Jessica,87,AUS

1:03 88 Bernier Joan 84 CAN

2:22.92 Seah Nicole,86,AUS

**100 METRES BREASTSTROKE** 

800 METRES FREESTYLE

- 2:16.42 Bernier Joan,84,CAN
- 2:17.07 Watanabe Kozue,86,JPN
- 2:19.93 Landry Michelle,85,CAN
- 2:20.08 Beller Yeng, 88, USA

#### **200 METRES IND. MEDLEY**

- 2:18.00 Carroll Lara,86,AUS 2:19.59 Crossingham Charnelle,84,AUS
- 2:19.67 Landry Michelle,85,CAN
- 2:20.41 Inoue Megumi,86,JPN
- 2:21.81 Houlton Molly.88.USA 2:22.01 Lehner Andrea,89,USA 6
- 2:24.81 Thompson Carissa,85,NZL 2:26.73 Dunlop-Barrett Ayla,87,NZL

# 400 METRES IND. MEDLEY

- 4:51.21 Crossingham Charnelle,84,AUS
- 4:51.38 Kida Yumi,85,JPN 3 4:53.62 Carroll Lara,86,AUS
- 4:53.66 Inoue Megumi,86,JPN
- 4:53.86 Breeden Elaine, 89, USA
- 4:55.86 Houlton Molly,88,USA 4:57.41 Reimer Brittany,88,CAN
- 4:59.53 Landry Michelle,85,CAN **4X100 MEDLEY RELAY**
- 1 4:16.20 Australia, AUS 1:04.57 Seah Nicole
  - 1:13.12 Collins Lauren 1:00.75 Schipper Jessicah

#### 57.76 Guehrer Marieke 2 4:17.82 United States, USA

- 1:04.34 Rogers Lauren
- 1:14.68 Kilkuts Courtney 1:00.72 Breeden Elaine 58.08 Kugler Kassandra

#### 3 4:19.88 Japan, JPN

- 1:06.90 Inoue Megumi 1:12.02 Taneda Megumi
- 1:01.61 Watanabe Kozue
- 59.35 Kida Yumi
- 4:21.38 Canada, CAN 4:27.43 New Zealand, NZL
- 4:16.53 Japan B,JPN 4:22.41 Australia B.AUS
- 4:24.23 United States B,USA **4X100 FREE RELAY** 1 3:49.34 Australia, AUS
  - 58.03 Guehrer Marieke 57.14 Walker Meagan

#### 57.57 Schipper Jessicah 56.60 Mitchell Melissa

- 2 3:49.39 Canada, CAN 57.36 Erin Kardash
- 57.03 Porenta Jennifer 58.11 Landry Michelle

#### 56.89 Reimer Brittany

- 3 3:51.77 United States, USA 57.85 Kugler Kassandra
- 57.97 Lehner Andrea 58.27 Hansen Codie
- 57.68 Reynolds Caitlin
- 3:54.79 New Zealand NZI 3:59.94 Japan,JPN
- 3:57.33 United States B.USA 3:59.75 Australia B,AUS

#### 4:00.37 Japan B.JPN **4X200 FREE RELAY**

- 1 8:16.59 Canada, CAN 2:05.91 Kardash Erin 2:04.45 Porenta Jennifer
- 1:04.45 Landry Michelle

#### 2:01.78 Reimer Brittany 2 8:17.32 Australia, AÚS

2:05.26 Walker Meagan 2:04.67 Mitchell Melissa 2:03.93 Schipper Jessicah

#### 2:03.46 Wilson Belinda 3 8:26.40 United States, USA

- 2:05.97 Lehner Andrea 2:08.24 Kugler Kassandra
- 2:07.10 Swinley Leslie 2:05.09 Reynolds Caitlin
- 8:29.20 New Zealand, NZL 8:32.24 Japan, JPN 8:29.21 Australia B, AUS
  - 8:29.86 United States B,USA 8:44.62 Japan B.JPN

# THE CONTINUING CRISIS

During December, the so-called Flag Flap broke, making front-page news across Canada. Jennifer Carroll held a Quebec flag when receiving her silver medal for the 50 backstroke at the Commonwealth Games. She received a letter from Head Coach Dave Johnson recommending a sixmonth suspension for this and other related incidents.

An independent review panel investigated the events and made some recommendations. What follows is a small portion of the 13-page document.

#### The Independent Review Panel

Hilary A. Findlay

Associate Professor, Department of Sport Management Brock University and Director, Centre for Sport and Law Yann Bernard

Secretaire général, Commission scolaire de Laval Alex Gardiner

Head Coach, Athletics Canada Judy McCrae

Athletic Director, University of Waterloo

#### **Observations**

Commonwealth selection criteria were confusing and very complicated. Certain criteria were intentionally vague so as to provide discretion to the Head Coach to reflect his view of the best team and ensure medal hopefuls not meeting other criteria could be included on the team. The inclusion of Ms Carroll (winner of 50 back) and an injured Curtis Myden were selected on this basis. This meant criteria was open to interpretation.

The problems had an even earlier origin in the coach selection process for the 2000 Sydney Olympics. The selection of a female coach was conducted outside the normal channels for Olympic team coach selection. The process was perceived to be arbitrary on the part of Mr. Johnson. This coach selection matter eventually went to a protracted and highly adversarial appeal. A number of those interviewed described that this had a lasting and detrimental impact on the team's performance at the Olympic Games, and continues to reverberate even today.

The Commonwealth swim team was split into two groups, who prepared for and arrived at Manchester separately. This approach of dividing the team and singling out the higher performers for additional training opportunities was new to SNC. Some feel such an approach is now necessary (that is, focusing on a smaller and more elite "A" team), while others

identified some inherent problems including a feeling among the "B" team members of being "second class."

The tension surrounding the team during the entire Games was palpable. It was reportedly felt by all the swim team members (coaches, staff and athletes—Marianne Limpert stated that "it was the most uncomfortable competition I had ever attended in 13 years of being on the national team"). The tension was also noted by CWG staff, SNC staff and other Canadian teams participating at the Games. In summary, this was a demoralized, frustrated and angry team.

The team saw Ms Carroll and Ms Rolland's behaviour as disruptive, contrary to team unity and selfish, and many were frustrated that they seemed able to engage in these behaviours with impunity. Athletes and coaches expressed frustration that Mr. Johnson as Head Coach and the person in charge, did not do enough to control the situation and did not take steps to sanction their behaviour, when clearly Mr. Johnson has a reputation as a disciplinarian and an authoritarian.

Performances in Manchester were nowhere what was expected, creating *enormous* pressure to perform; a top swimmer and medal hopeful injured his back on the pool floor, a relay team was stripped of its medal due to lack of competition in the event. (This is incorrect; medals for top three awarded only when a minimum of five teams take part. The women's 4x200 free had four entries. The same happened in 1994 in Victoria.)

There was a subsequent move by a group of coaches to circulate a petition calling for the removal of Mr. Johnson as Head Coach; there were ongoing conflicts between swim team sponsor logos and CWG sponsor logos; and several other swimmers engaged in misconduct that resulted in disciplinary action, including one incident that involved police.

#### Recommendations

SNC should have recognized the potential for a divided and fractured team, . . . In failing to act SNC assumed a strategy of "avoidance." SNC has been operating in close to "crisis mode" for several years.

Mr. Johnson must understand that while this style of management may have served him in the past, it is no longer effective or appropriate. In Manchester, it failed him. As the situation escalated, no one was willing or able to take on a leadership role to manage, or assist in the management of, the conflict. The Canadian Sport System is stretched to the extreme. There is a tendency often out of necessity, for people to take on tasks outside their mandate. There needs to be a very clear delineation between the business of the corporation, which is led by the CEO, and the technical business of swimming, which is led by the Head Coach. Both, of course, must be held accountable for their performances but now unimpeded by other responsibilities.

Part of the present culture of the organization appears to include a willingness to alter or ignore the rules when it is expedient, or when a certain outcome is desired and SNC can get there by a shorter or surer route; this has contributed to the erosion of trust and it also provides an open avenue for aggrieved individuals wanting to challenge a decision where they feel that they have been dealt with unfairly or arbitrarily.

A climate of mistrust characterizes a number of relationships within SNC. The lack of communication and transparency in decision making breeds mistrust.

SNC should use objective selection criteria and should institute a completely transparent and public selection process.

#### Swimming/Natation Canada response

1. SNC fully accepts the recommendations made by the Independent Review Panel. We are pleased to note that SNC has implemented the vast majority of these recommendations following a thorough review of all its policies and protocols over the past nine months.

2.SNC took every effort to communicate the true facts in this case to the swimming community, to the media, to our government representatives and to the public. We would like to reiterate our sincere apology for any offence that may have been caused in our remarks or actions in dealing with this issue.

3.SNC has full confidence in the leadership of its National Coach, Dave Johnson. We respect Mr. Johnson's international experience in high performance swimming. His expertise is essential in our preparation for the World Championships in Barcelona this summer and for the Olympic Games in Athens, in 2004.

4.0ur principal focus is on safeguarding the performances of our swimmers and coaches in the field. We will continue to do so by building upon the core values of SNC: professional excellence, accountability, responsibility, respect, integrity, growth and learning, open communication and selflessness.

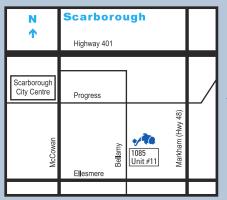
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