Volume 26 •Issue 6
Masters Swimmers in Western Washington
July-August 2006

## PNA Swimmers Make Strong Showing at Short Course Nationals

By Sarah Welch,<br>PNA Treasurer

DNA and the Pacific Northwest displayed a formidable presence at May's short course national championship meet in Coral Springs, Fla. Thirtyfive PNA "national" swimmers entered the meet. And once again we placed in the top rankings, at seventh place overall against all teams swimming at the meet. Outstanding!

Some highlights:
Charlotte Davis (56) had six first place finishes. That included two zone records in the 50 and 100 yard fly (29.90 and 1:08.31, respectively), as well as first place in the 50 and 100 free and 100 and 400 IM races.

Mike McColly, who just turned 60 , captured first place in the 500 and 1,000 free. He also set a zone record in the 200 backstroke (2:25.19) and finished second in that event.

Lisa Dahl (45) set a national record and took first in the 100 IM (1:03.62). Plus, she won her 50 fly event.

Scott Lautman (53) won his 200 fly event.

In addition to Charlotte Davis


Lisa Dahl (45), who set a national record in the record in the 100 IM , holds a banner indicating that the PNA women captured seventh place overall at Short Course Nationals.
and Mike McColly, other PNA swimmers who placed in the top 10 for all six events they entered were Todd Doherty (35), Shona Pierce (21), Alden Kroll (23) and Cathy Cooley (48).
(Continued on page 4)


Looking for meet results, places to swim, past newsletters or other information about PNA? Check out our Web site at www.swimpna.org.

| INSIDE |  |
| :--- | :--- |
| Leading Off | Page 2 |
| Masters Calendar | Page 3 |
| SC Nationals Results | Page 4 |
| Arthur J. Ransom <br> Award | Page 6 |
| Performance <br> Percentages | Page 7 |
| Manhattan Island <br> Marathon Swim | Page 9 |
| Meet Entry Forms | Pages 12- |
| 14 |  |
| PNA Registration Form Page 15 |  |



Volume 26 • Issue 6 July-August 2006

## Editor

Paul Freeman (206) 283-3802
515 West Raye St.
Seattle WA 98119
pfwriter@blarg.net

## PNA Officers

President
Jeanne Ensign
511 East Roy Street \#314
Seattle WA 98102
(206) 324-1354
jeanne@raincity.com

## Vice President

Steve Peterson (360) 692-1669 speterson@bandwagon.net

Treasurer
Sarah Welch (206) 723-1814 sarahwelch@comcast.net

## Secretary

Hugh Moore (253) 759-4956 swimmoore@comcast.net

## Board Members at-Large

Kathy Casey (253) 588-4879 Tom Foley (206) 937-5585
Toby Coenen (425) 836-8943

## PNA Volunteers

Registrar
Arni Litt (206) 849-1387 1920 10th Ave E Seattle WA 98102-4253 arni@qwest.net

Awards: Kelly Crandell Coaches: Wendy Neely Constitution \& Bylaws: Jane Moore Fitness: Jo Moore Historian: Tom Foley Meets: Lee Carlson Records/Top Ten: Walt Reid Officiating: Kathy Casey/Jan Kavadas Open Water: Sally Dillon Publicity: Lynn Wells Safety: Kathy Casey Webmaster/Computer Apps: Rondamarie Smith

Ah, summer. Warm plenty of sunshine. This is my favorite time or year. Daylight early in the morning and late into the evening - enough sleep is just a memory this time of year. I hope you are enjoying your swimming and that some of it is outdoors.

## Swimmers in Mythology

Ladies, you could imagine that you are one of the Nereids who in Greek mythology are the 50 daughters of Nereus and Doris, and dwell in the Mediterranean Sea. These beautiful women were always friendly and helpful towards sailors fighting perilous storms. Gentlemen, maybe you visualize yourself as Leander, a young man who every night swam a distance of more than 1,300 meters across the Hellespont guided by the lamp which his mistress lit at the top of the tower.

You regularly lift your head during your swim, sighting off a distant landmark to keep a straight course in the water, and you see in the distance - what? It looks like, oh, it's the high rise by Madison Park. You are back swimming in Lake Washington, on your way back to Madison Beach. Try your own fantasy swim in the lake. It's like taking a vacation! See where it will take you.

## Everyone Has a Story

Many of you have your own stories to tell about your actual swims (which can be a fantasy as well). Your story and swim are different than any one else's. I saw many of you at Fat Salmon and Lake Padden open water swims. Several PNA swimmers went to the Gay Games VII in Chicago, the third week of July. Others will take


## By Jeanne Ensign, PNA President

on the Long Bridge Swim in Sandpoint, ID, and the Oregon open water swims. Many of you do solo swims, small group swims and swims out of the area. We would love to read your story. Read about Dan Robinson's participation in the Manhattan Island Marathon Swim in late June. His story is on page 9.

There is plenty to do this summer and into the fall. PNA has a full complement of pool meets coming up in the fall, including the SCM Zone Championships at the King County Aquatic Center in November. See the calendar on page 3 for dates and details.

Eighty-two PNA swimmers are going to the XI FINA World Masters Meet at Stanford in August. And in September, just after the Orcas Island Swim Fest at Cascade Lake, eleven PNA board members will go to Dearborn, Mich., for USMS' annual convention.

If you currently are not swimming with a team and would like to try a coached workout, check out "Where to Swim" on the PNA website (www.swimpna.org). We also are planning a coaches workshop and another stroke technique clinic in the fall. See our next issue for more information.

In the meantime, enjoy your swims and tell us your story!

[^0]Events in Washington, Oregon, British Columbia, Idaho and Alaska, plus USMS Championship events. PNA events, including PNA Board meetings, are listed in bold.

- May 15 to September 15, 2006

USMS 5K and 10K Postal
Championships
PST-LD; Neil Salkind
(785) 841-0947
nis@sunflower.com
$\square$ July 25, 2006
PNA Board Meeting
6:45 p.m.
Yesler Community Center
917 E. Yesler Way, Seattle
$\square$ July 28-30, 2006
Cascade Lakes Festival \& OMS
State Championships
Del Lake, Bend, Ore.
$\square$ July 29, 2006
USMS 1 Mile Open Water
Championships, Lake Erie,
Cleveland, OH
OW; Tom Spence, (216) 299-3858
talltom13@msn.com
$\square$ July 30, 2006
Washington State Senior Games Swimming
$\square$ August 4 to August 10, 2006
2006 XI FINA World Masters Championships, Palo Alto, Calif. LCM

- August 6, 2006

Sandpoint Long Bridge Swim
OW
Sandpoint, ID
August 20, 2006
OMS Open Water Swim
Dorena Lake, Cottage Grove, Ore.

- August 22, 2006

PNA Board Meeting
6:45 p.m.
Yesler Community Center
917 E. Yesler Way, Seattle
August 27, 2006
Whitefish Lake 1-Mile
Whitefish, Mont.

- September 9, 2006

USMS 3-6 Mile Open Water
Championships
Lake Michigan
Chicago, III.
■September 9 \& 10, 2006
Orcas Island Open Water
Challenge
Orcas Island, Wash.
http://www.islandathleticevents.c om/water-challenge/index.htmlEntry form on page 12.

- September 9, 2006

USMS 3-6 Mile Open Water
Championships (Big Shoulders 5K
OW Swim)
Lake Michigan, Chicago, III.
Chris Sheean
chris@bigshoulders.org;
■September 10, 2006
OMS Pentathlon
Camas, Wash.

- September 15, 2006

USMS Postal 5K and 10K
Short Course Yards
Local pools
$\square$ September 24, 2006
9th Annual Short Course Meters
Pentathlon Meet
Oak Harbor, Wash.
Entry form on page 13.
$\square$ September 26, 2006
PNA Board Meeting
6:45 p.m.
Yesler Community Center
917 E. Yesler Way, Seattle
October 14, 2006
5th Annual BAMFEST SCY Meet Bainbridge Island Aquatic Center Bainbridge Island, Wash. Entry form on page 14.

## Web Guide

Check out these sites on the Internet for information on Masters swimming, news, events, workouts and more from throughout the Northwest!

PNA Masters Swimming US Masters Swimming USMS Northwest Zone Oregon Masters Alaska LMSC Utah Masters Masters Swimming of BC
www.swimpna.org
www.usms.org
www.northwestzone.org
www.swimoregon.org
www.akmswim.org
www.utahmasters.org
www.mastersswimming.bc.ca
(Continued from page 1)

## Nationals

Lisa Dahl, Jan Kavadas (75), Arni Litt (60), Jason Merrifield (20) and Les Morales (18) placed in the top 10 for five races.

## USMS Short Course Nationals Coral Gables, Fla. May 11-14, 2006 Results for PNA Swimmers

## Western Washington Squad

A relatively new and energetic feature of the PNA team at Nationals is the group from Western Washington, youthful competitors ages 18 to 23. They've become a regular addition to the PNA group and impress us all with their swimming abilities and team spirit. They brought 15 swimmers to Nationals and swam on nine of our 16 relays. The 18-year-old men, largely from Western Washington University, earned second place medals in both the 200 free and 200 medley relays, our highest ranking relays.


## PNA Board Summary

The PNA board has remained active with board meetings on the fourth Tuesday of each month. Complete minutes are available at www.swimpna.org. As you have probably noticed there has been a full slate of activities including clinics, meets and open water events this spring and summer.

NATIONALS
05-14-06
SHORT COURSE YARDS
P = P.N.A. RECORD
Z = NORTHWEST ZONE RECORD
N = NATIONAL RECORD
W = WORLD RECORD
S = SPLIT TIME

| 18-24 |  |  |
| :---: | :---: | :---: |
| 50 YD. FREE |  |  |
| SHONA PIERCE | 21 \# 2 | 25.78 |
| LAUREN SMITH | 19 | 28.80 |
| SARAH JURICK | 19 | 29.26 |
| EMIKO MAR | 19 | 29.58 |
| ERICA BARTLETT | 18 | 30.16 |
| ASHLEY MELSETH | 19 | 30.26 |
| ERIN HUNTER | 20 | 30.69 |
| 100 YD. FREE |  |  |
| SHONA PIERCE | 21 \# 8 | 58.02 |
| ELISHA NAYLOR | 19 | 1:06.33 |
| SOFINA MORALES | 19 | 1:06.95 |
| EMIKO MAR | 19 | 1:07.79 |
| ERIN HUNTER | 20 | 1:08.04 |
| MEG HARRIS | 19 | 1:08.06 |
| ASHLEY MELSETH | 19 | 1:08.36 |
| 200 YD. FREE |  |  |
| SOFINA MORALES | 19 \#10 | 2:25.83 |
| MEG HARRIS | 19 | 2:30.15 |
| 500 YD. FREE |  |  |
| SOFINA MORALES | 19 \# 5 | 6:42.20 |
| MEG HARRIS | 19 \# 6 | 6:46.22 |
| 50 YD. BACK |  |  |
| LAUREN SMITH | 19 \# 8 | 32.53 |
| ELISHA NAYLOR | 19 \#10 | 33.65 |
| ERIN HUNTER | 20 | 38.82 |
| 100 YD. BACK |  |  |
| SHONA PIERCE | 21 \# 7 | 1:08.10 |
| LAUREN SMITH | 19 \#10 | 1:11.27 |
| 50 YD. BRST |  |  |
| SHONA PIERCE | 21 \# 6 | 34.57 |
| SARAH JURICK | 19 \# 7 | 37.81 |
| ERICA BARTLETT | 18 \#10 | 42.54 |
| 100 YD. BRST |  |  |
| SHONA PIERCE | 21 \# 8 | 1:17.04 |
| 50 YD. FLY |  |  |
| LAUREN SMITH | 19 \# 7 | 29.35 |
| ELISHA NAYLOR | 19 | 33.22 |
| ERICA BARTLETT | 18 | 35.21 |
| 100 YD. FLY |  |  |
| LAUREN SMITH | 19 \# 6 | 1:07.33 |
| 100 YD. I.M. |  |  |
| SHONA PIERCE | 21 \# 6 | 1:06.70 |
| LAUREN SMITH | 19 | 1:09.37 |
| ASHLEY MELSETH | 19 | 1:18.20 |

WOMEN 40-44
500 YD. FREE
RENEE QUIST 1650 YD. FREE
RENEE QUISTORF 100 YD. BACK ANNE BERNHARD MARGARET DIDDAMS RENEE QUISTORF 200 YD. BACK ANNE BERNHARD

41 7:15.98
41 \# 8 24:27.45

41 1:12.04
44 1:16.32
41 1:23.66
$41 \quad 2: 36.40$

| 100 YD. BRST |  |  |
| :--- | :--- | :--- |
| MARGARET DIDDAMS | 44 | $1: 25.27$ |
| 50 YD. FLY |  |  |
| ANNE BERNHARD | 41 | 30.86 |
| 100 YD. I.M. |  |  |
| ANNE BERNHARD | 41 | $1: 11.64$ |
| MARGARET DIDDAMS | 44 | $1: 15.98$ |
| 200 YD. I.M. |  |  |
| ANNE BERNHARD | 41 | $2: 38.39$ |

## WOMEN 45-49

$\left.\begin{array}{lll}\text { 50 YD. FREE } \\ \text { LISA DAHL } \\ \text { 50 YD. BACK } \\ \text { LISA DAHL }\end{array}\right)$

| 55-59 |  |  |
| :---: | :---: | :---: |
| 50 YD. FREE |  |  |
| CHARLOTTE DAVIS | 56 \# 1 | 27.28 |
| 100 YD. FREE |  |  |
| CHARLOTTE DAVIS | 56 \# 1 | 59.81 |
| 1650 YD. FREE |  |  |
| KATE SUTHERLAND | 58 \# 4 | 32:09.27 |
| 200 YD. BRST |  |  |
| KATE SUTHERLAND | 58 \# 3 | 4:03.44 |
| 50 YD. FLY |  |  |
| CHARLOTTE DAVIS | 56 \# 1 | 29.90 Z |
| 100 YD. FLY |  |  |
| CHARLOTTE DAVIS | 56 \# 1 | 1:08.31 Z |
| 100 YD. I.M. |  |  |
| CHARLOTTE DAVIS | 56 \# 1 | 1:10.14 |
| 200 YD. I.M. |  |  |
| KATE SUTHERLAND | 58 \# 5 | 4:09.92 |
| 400 YD. I.M. |  |  |
| CHARLOTTE DAVIS | 56 \# 1 | 5:29.63 |

## WOMEN 60-64

$\left.\begin{array}{lll}100 \text { YD. FREE } \\ \text { ARNI LITT } \\ 500 \text { YD. FREE }\end{array}\right)$

## WOMEN 75-79

## 500 YD. FREE

| JANET KAVADAS | $75 \# 5$ | $11: 23.85$ |
| :--- | :--- | :--- |
| 100 YD. BACK |  |  |
| JANET KAVADAS | $75 \# 5$ | $2: 08.22$ |
| 200 YD. BACK |  |  |
| JANET KAVADAS | $75 \# 2$ | $4: 20.82$ |
| 100 YD. BRST |  |  |
| JANET KAVADAS | $75 \# 2$ | $2: 23.94$ |
| 200 YD. BRST |  |  |
| JANET KAVADAS | $75 \# 5$ | 4.50 .66 |

## MEN 18-24

50 YD. FREE ALDEN KROLL
JASON MERRIFIELD
MARK FANNING BRIAN DAVIS 100 YD. FREE ALDEN KROLL JASON MERRIFIELD
BRIAN DAVIS MARK FANNING LES MORALES 200 YD. FREE LES MORALES
500 YD. FREE BRIAN GOLDMAN 100 YD. BACK
ALDEN KROLL MARK FANNING 200 YD. BACK
MARK FANNING 50 YD. BRST LES MORALES $\begin{array}{lll}\text { JASON MERRIFIELD } & 20 \# 5 & 29.02 \\ \text { 100 YD. BRST } & & \\ \text { ALDEN KROLL } & 23 \# 4 & 1: 01.57\end{array}$ LES MORALES 50 YD. FLY JASON MERRIIEIELD MARK FANNING 100 YD. FLY ALDEN KROLL
100 YD. I.M. 100 YD. I.M.
ALDEN KROLL JASON MERRIFIELD LES MORALES BRIAN DAVIS 200 YD. I.M. LES MORALES BRIAN DAVIS

## MEN 35-39

| 200 YD. FREE |  |  |
| :---: | :---: | :---: |
| DAVID KAYS | 38 | 1:56.05 |
| 1000 YD. FREE |  |  |
| DAVID KAYS | 38 \# 4 | 10:49.45 |
| 1650 YD. FREE |  |  |
| DAVID KAYS | 38 \# 3 | 18:28.30 |
| 200 YD. BACK |  |  |
| TODD DOHERTY | 35 \# 7 | 2:09.63 |
| 100 YD. BRST |  |  |
| TODD DOHERTY | 35 \# 5 | 1:02.77 |
| 200 YD. BRST |  |  |
| TODD DOHERTY | 35 \# 3 | 2:20.31 |
| DAVID KAYS | 38 \# 5 | 2:25.74 |
| 100 YD. I.M. |  |  |
| TODD DOHERTY | 35 \# 6 | 56.19 |
| 200 YD. I.M. |  |  |
| TODD DOHERTY | 35 \# 5 | 2:06.51 |
| 400 YD. I.M. |  |  |
| TODD DOHERTY | 35 \# 6 | 4:37.89 |


| ME N $\mathbf{4 5 - 4 9}$ |  |  |
| :--- | :--- | :--- |
| 50 YD. FREE |  |  |
| JAMES LITTLEFIELD | 46 | 26.44 |
| 100 YD. FREE |  |  |
| JAMES LITELEFIELD | 46 | 54.69 |
| FREDERICK GRAHAM | 49 | 56.44 |


| 200 YD. FREE |  |  |  |
| :--- | :--- | :--- | :--- |
| JAMES LITLEFIELD | 46 | $2: 03.87$ |  |
| FREDERICK GRAHAM | 49 | $2: 04.77$ |  |
| 500 YD. FREE |  |  |  |
| FREDERICK GRAHAM | 49 | $5: 49.64$ |  |
| 1650 YD. FREE |  |  |  |
| ROBERT SCHEMMER | $46 \# 8$ | $19: 41.05$ |  |
| FREDERICK GRAHAM | $49 \# 9$ | $20: 11.75$ |  |
| 50 YD. BACK |  |  |  |
| JAMES LITLEFIELD | 46 | 29.45 |  |
| 100 YD. BACK |  |  |  |
| JAMES LITLEFIELD | 46 | $1: 03.23$ |  |
| 200 YD. BACK |  |  |  |
| JAMES LITTLEFIELD | $46 \# 8$ | $2: 19.16$ |  |
| M E N | $\mathbf{5 0 - 5 4}$ |  |  |


| 50 YD. FREE |  |  |
| :---: | :---: | :---: |
| FRANK LEONARD | 51 | 26.10 |
| 100 YD. FREE |  |  |
| FRANK LEONARD | 51 | 58.72 |
| 200 YD. FREE |  |  |
| SCOTT LAUTMAN | 53 \# 4 | 1:56.89 |
| 500 YD. FREE |  |  |
| FRANK LEONARD | 51 | 6:50.32 |
| 1000 YD. FREE |  |  |
| FRANK LEONARD | 51 \#10 | 14:02.91 |
| 50 YD. BRST |  |  |
| FRANK LEONARD | 51 | 35.16 |
| 50 YD. FLY |  |  |
| SCOTT LAUTMAN | 53 \# 9 | 26.28 |
| FRANK LEONARD | 51 | 33.63 |
| 100 YD. FLY |  |  |
| SCOTT LAUTMAN | 53 \# 3 | 56.36 |
| 200 YD. FLY |  |  |
| SCOTT LAUTMAN | 53 \# 1 | 2:05.55 |
| M E N 55-59 |  |  |

100 YD. FREE
STEVEN PETERSON
50 YD. BRST
STEVEN PETERSON
100 YD. BRST
STEVEN PETERSON
50 YD. FLY
STEVEN PETERSON
200 YD. I.M.
STEVEN PETERSON

## MEN 60-64

500 YD. FREE
MICHAEL MCCOLLY
1000 YD. FREE
MICHAEL MCCOLLY
100 YD. BACK
MICHAEL MCCOLLY
200 YD. BACK
MICHAEL MCCOLLY
MICHAEL NORDBY
200 YD. BRST
MICHAEL NORDBY
100 YD. I.M.
MICHAEL NORDBY
200 YD. I.M.
MICHAEL MCCOLLY
MICHAEL NORDBY
400 YD. I.M.
MICHAEL MCCOLLY
$59 \quad 1: 00.59$

59 \# 732.67 P

| $59 \# 10$ | $1: 12.59$ |
| :--- | :--- |
| 59 | 31.98 |

59 \# 7 2:31.94

60\#1 5:45.16
60\#1 11:57.08
60 \# 4 1:08.11
$\begin{array}{ll}60 \# 2 & 2: 25.19 \text { Z }\end{array}$
64 2:53.37

64 \#10 3:03.11
$64 \quad 1: 15.55$
60 \# 4 2:26.23 P 64 2:47.86

60 \# 2 5:10.16 Z

## RELAYS-WOMEN 200 YD.

## FREE

$18+$
SHONA PIERCE
LAUREN SMITH
ELISHA NAYLOR
SARAH JURICK
SOFINA MORALES
MEG HARRIS

| 21 \# 5 | $1: 55.31$ |
| :--- | :--- |
| 19 |  |
| 19 |  |
| 19 |  |
|  |  |
| $19 \# 6$ | $1: 59.74$ |
| 19 |  |


| ERICA BARTLETT | 18 |
| :---: | :---: |
| EMIKO MAR | 19 |
| $35+$ |  |
| CHARLOTTE DAVIS | 56 \# 5 1:50.21 |
| CATHY COOLEY | 48 |
| ANNE BERNHARD | 41 |
| LISA DAHL | 45 |
| RELAYS-WOMEN 200 YD. |  |
| MEDLEY |  |
| $18+$ |  |
| SHONA PIERCE | 21 \# 6 2:07.99 |
| SOFINA MORALES | 19 |
| LAUREN SMITH | 19 |
| EMIKO MAR | 19 |
| ERIN HUNTER | 20 \# 7 2:20.16 |
| ASHLEY MELSETH | 19 |
| ELISHA NAYLOR | 19 |
| ERICA BARTLETT | 18 |
| $35+$ |  |
| MARGARET DIDDAMS | 44 \# 7 2:12.16 |
| CATHY COOLEY | 48 |
| ANNE BERNHARD | 41 |
| RENEE QUISTORF | 41 |
| $55+$ |  |
| KATE SUTHERLAND | 58 \# 4 3:07.91 |
| JANET KAVADAS | 75 |
| CHARLOTTE DAVIS | 56 |
| ARNI LITT | 60 |
| RELAYS-MEN | 200 YD. |
| FREE |  |
| $18+$ |  |
| ALDEN KROLL | 23 \# 2 1:30.70 |
| JASON MERRIFIELD | 20 |
| LES MORALES | 18 |
| BRIAN GOLDMAN | 20 |
| MARK FANNING | 20 \# 6 1:35.38 |
| JAMES LITTLEFIELD | 46 |
| TODD DOHERTY | 35 |
| DAVID KAYS | 38 |

## RELAYS-M E N 200 YD.

## MEDLEY

| $18+$ |  |  |
| :--- | :--- | :--- |
| ALDEN KROLL | $23 \# 2$ | $1: 40.78$ |
| LES MORALES | 18 |  |
| BRIAN GOLDMAN | 20 |  |
| JASON MERRIFIELD | 20 |  |
|  |  |  |
| MARK FANNING | $20 \# 5$ | $1: 45.54$ |
| TODD DOHERTY | 35 |  |
| SCOTT LAUTMAN | 53 |  |
| BRIAN DAVIS | 21 |  |
|  |  |  |
| 45 + |  |  |
| JAMES LITTLEFIELD | $46 \# 9$ | $1: 58.58$ |
| STEVEN PETERSON | 59 |  |
| FRANK LEONARD | 51 |  |
| FREDERICK GRAHAM | 49 |  |

## RELAYS-MIXED 200 YD. FREE

18 +

| 18 + $+\stackrel{ }{2}$ |  |  |
| :--- | :--- | :--- |
| JASON MERRIFIELD | $20 \# 4$ | $1: 38.77$ |
| SHONA PIERCE | 21 |  |
| ELISHA NAYLOR | 19 |  |
| BRIAN GOLDMAN | 20 |  |

(Continued from page 5)

| MARK FANNING | 20 | 1:45.88 |
| :---: | :---: | :---: |
| LAUREN SMITH | 19 |  |
| EMIKO MAR | 19 |  |
| BRIAN DAVIS | 21 |  |
| $35+$ |  |  |
| LISA DAHL | 45 \# 8 | 1:38.45 |
| TODD DOHERTY | 35 |  |
| SCOTT LAUTMAN | 53 |  |
| CHARLOTTE DAVIS | 56 |  |
| RELAYS-MI XED | 200 YD. |  |
| MEDLEY |  |  |
| 18 + |  |  |
| SHONA PIERCE | 21 \# 3 | 1:50.33 |
| ALDEN KROLL | 23 |  |
| LAUREN SMITH | 19 |  |
| BRIAN GOLDMAN | 20 |  |
| MARK FANNING | 20 | 2:01.14 |
| DAVID KAYS | 38 |  |
| ELISHA NAYLOR | 19 |  |
| SARAH JURICK | 19 |  |
| $35+$ |  |  |
| LISA DAHL | 45 \# 6 | 1:52.74 P |
| TODD DOHERTY | 35 |  |
| SCOTT LAUTMAN | 53 |  |
| CHARLOTTE DAVIS | 56 |  |

## Need Paper Copies of Meet Results?

To receive them, either for a particular meet or on an ongoing basis, contact Walt Reid at (253) 588-4879 o r a t walt.reid@comcast.net.

## NEO's 75-YearOld J an Kavadas Urges Older Swimmers to Keep Competing

Recently several older Masters swimmers I know haven't wanted to compete because they're too slow. Well, I get slower, too. In fact, as we age, we all get slower.

When I decided to compete, I recall wondering if I really wanted to do so when I needed help getting on the blocks. I decided, yes, I

## Sally Dillon from North Whidbey Masters Wins Prestigious USMS Arthur J. Ransom Award

Sally Dillon from North WhidSbey Masters is this year's recipient of the Ransom J. Arthur Award, United States Masters Swimming's highest award.

The award is given in honor of Captain Ransom J. Arthur, M.D., who established the Masters swimming program in the United States. The award is given annually to the person who has done the most to further the objectives of Masters swimming.

Sally has served as National Long Distance Committee Chair and Secretary of USMS. She founded and ran the Donner Lake Swim for 15 years and has run pool meets for many years, in both California and Washington. She coached age group swimming, and sometimes Masters, and has been a certified official for 30 -plus years. She is an outstanding national competitor and quite active with PNA and North Whidbey Masters.

Sally is the fortieth person to win this award, which was established in


Sally Dillon holding the Ransom J. Arthur award
1973.

The official presentation of the award will take place in Dearborn, Mich., in September at the USMS annual convention

The next time you see Sally, be sure to congratulate her.

would compete.
Those of us that are older may never get faster, but we shouldn't stop swimming.
Competition provides a measure of our daily workout-maybe a less than positive one. But generally a meet will speed you up.

At a meet, there is support for all swimmers. And swimmers that are younger and faster must remember that cheering, pats on the
back and other support are very important for those of us who swim daily by ourselves.

For those of you that are older like me, please continue to swim. We want to see you compete at meets and join your swimming friends. Even the slowest of us can participate on an "older" relay.

You're only as old as you feel. Don't compare yourself to a 50-year-old.

Please continue to provide inspiration for the rest of us.


## NEO's Charlotte Davis Sets National Record at Titlow Meet

The air and water temperature may have been a bit on the chilly side at Tacoma's historic outdoor Titlow pool on June 17, but that didn't faze Charlotte Davis. The 56-year-old NEO member swam the 100 meter I.M. in 2:57.49 and set a new national record in that event in her age group.

This long course meters spring meet attracted about 70 participants. They had 10 events to choose from and most swam five. The meet took only about two-and-a-half hours.

The meet was hosted by Metro


Titlow Pool After the Meet

Parks Tacoma. Jane Moore and Dane Wolfram did a good job running the meet. Jan Kavadas and

Lee Carlson ran the officiating. Dane has indicated that he's interested in hosting a meet next year.

> Wonder How Well Your Swimming Stacks Up Against The Best? Wonder How Well You're Doing from Year to Year? Then Read Gordon Gray's Article on Performance Percentages
isted below is your 2005/2006 short course yards swim performance percentage (an average of your five best event percentages), which ranks your performance against the USMS National records by age group. PNA's Charlotte Davis, setting national records in the 50 and 100 freestyles at Coral Springs, was the best percentage repeat winner and is only our third swimmer to break the $100 \%$ barrier. The other two are Barb Gundred and the late Jim Penfield, who went over $100 \%$ multiple times.

The percentages are based upon national records in your cur-
rent age group and the next age group up and are prorated by day according to your birth date. The calculations used are similar to the AGE-GRADED TABLES published by the National Masters News (the official world and U.S. publication for Masters (over age 40) track \& field, long distance running and race walking).

There are two differences - (1) the AGE-GRADED TABLES use age (by year) versus the birth date (by date) and (2) the AGEGRADED TABLES performances are compared to a theoretical performance as opposed to the national age-group record. The latter
difference makes the swim performances more of a "moving target" since a new national record will create a higher standard the next year (an incentive to improve!). This will be more pronounced in the older age groups.

What does your percentage mean? Aside from indicating your relative rank against national records, perhaps the best way to use it is to gauge your performance from year to year. The calculation considers your age position within two age groups, so aging up will have no effect.

A couple of questions may arise:

1. I swim faster than my teammate - how come my average percentage is lower?

You may not have competed in your strongest events this year. Or, your teammate, even if in the same age group, may be four years older than you. Therefore, your teammate's swim performance benefits more from the presumably slower
record times in the upper of the two age groups.
2. OK - but how do I know which are my strongest events?

To see your best swims and corresponding percentages for most years going back to 1995, go to home.earthlink.net/ ~swimpercent/ . (This site shows a detailed example of the algorithm, provides a comprehensive compilation of your percentages by individual event, and represents a mountain of work by Gordon. If you enjoy it, let him know! - ed.)

Following are two lists of percentages: The first shows the 151 PNA swimmers who swam at least five events and the average of their best five performance percentages. Note that PNA currently has 1,125 registered swimmers and that 329 swimmers swam at least one event.

PNA 2005/2006 Short Course
Yards - By Percentage

| 1 Charlotte Davis | 56 | 100.9370 |
| :--- | ---: | ---: |
| 2 Michael McColly | 60 | 96.7836 |
| 3 Lisa Dahl | 45 | 96.4072 |
| 4 Scott Lautman | 53 | 93.9993 |
| 5 Cathy Cooley | 48 | 93.2772 |
| 6 Kyle Ciminski | 19 | 93.2545 |
| 7 Mary Lippold | 50 | 92.2205 |
| 8 Zena Courtney | 46 | 91.8124 |
| 9 Debbie Glassman | 52 | 91.6034 |
| 10 Steve Peterson | 59 | 91.5300 |
| 11 Karl Weiss | 45 | 91.1186 |
| 12 Alden Kroll | 23 | 89.7432 |
| 13 Pinky Walker | 63 | 89.4457 |
| 14 Eric Valley | 44 | 89.1646 |
| 15 John Bailey | 50 | 89.1029 |
| 16 Stephanie Miller | 23 | 88.0526 |
| 17 Shona Pierce | 20 | 87.8900 |
| 18 Linda Hegeberg | 36 | 87.8562 |
| 19 Jason Merrifield | 20 | 87.7605 |
| 20 Paul Glezen | 45 | 87.6525 |
| 21 Tara Simsak | 36 | 87.3166 |
| 22 Les Morales | 18 | 87.1950 |
| 23 David Kays | 38 | 87.0570 |
| 24 Sarah Welch | 59 | 86.9792 |
| 25 Todd Doherty | 35 | 86.9268 |
| 26 James Littlefield | 46 | 86.6816 |
| 27 Kathrine Casey | 57 | 86.6138 |
| 28 Jim Norris | 58 | 86.3395 |
| 29 Harvey Prosser | 77 | 86.0314 |
| 30 Michael Nordby | 64 | 85.7412 |
| 31 Frederick Graham | 49 | 85.7322 |
| 32 Bob Schlemmer | 46 | 85.2400 |
| 33 Lauren Smith | 19 | 85.0832 |
| 34 Carrie Nordberg | 30 | 84.7680 |
| 35 Judy Hawksworth | 46 | 84.759 |
| 36 Kirk Nelson | 35 | 84.017 |
| 37 Katie Hathaway | 22 | 84.6303 |
| 38 Carl Haynie | 45 | 84.4617 |
| 39 Doug Jelen | 32 | 84.1986 |
| 40 Arni Litt | 59 | 84.0505 |
| 41 Stephanie Wong | 25 | 83.9599 |
| 42 Dawn Jaeger | 49 | 83.7252 |
| 43 Dan Smith | 42 | 83.4054 |
|  |  |  |
|  |  |  |


| 44 Mark Fanning | 20 | 83.1460 | 123 Gene Reese | 56 | 68.0811 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 45 Tracy Maschman- |  |  | 124 Peter Roach | 39 | 67.7597 |
| Morrissey | 31 | 83.1344 | 125 David Carnahan | 38 | 67.7357 |
| 46 Kevin Ames | 48 | 82.6524 | 126 Taylor Holmes | 25 | 67.0271 |
| 47 Brenda Beckett | 56 | 82.6449 | 127 Phillip Hutchison | 59 | 66.6742 |
| 48 John Leet | 60 | 82.5848 | 128 Jill Reddoch | 36 | 66.4740 |
| 49 Ted Hackett | 51 | 82.5123 | 129 Kerry Ness | 36 | 66.1813 |
| 50 Anne Bernhard | 41 | 82.4565 | 130 Rachel Smith | 49 | 66.1500 |
| 51 Debby Spence | 44 | 82.4394 | 131 Paul Hopkins | 45 | 65.6040 |
| 52 Daryl Ehrenheim | 41 | 82.0882 | 132 Thomas Walker | 58 | 65.4438 |
| 53 Dale Cary | 48 | 81.9201 | 133 Carolyn Euker | 41 | 65.3705 |
| 54 Bruce Boytler | 47 | 81.8752 | 134 Shannon Singer | 36 | 65.1475 |
| 55 Steve Freeborn | 50 | 81.8108 | 135 Jodi Stebbins | 37 | 64.8573 |
| 56 Michael Mc Kinlay | 62 | 81.7852 | 136 Jane Moore | 55 | 64.6951 |
| 57 Rita Belserene | 54 | 81.7507 | 137 David Lium | 37 | 64.5892 |
| 58 Katie Tomarelli |  |  | 138 Tom Foley | 71 | 64.1058 |
| Thompson | 24 | 81.6665 | 139 Taan Donoso | 54 | 64.0837 |
| 59 Alyssa Smith | 25 | 81.6069 | 140 Wanda Ramos | 30 | 63.9649 |
| 60 Orlando Boleda | 51 | 81.5055 | 141 Marion Chadwick | 84 | 63.7087 |
| 61 Perry Morin | 47 | 81.3697 | 142 Sandy Mc Neel | 53 | 63.4257 |
| 62 Megan Bussart | 35 | 81.2297 | 143 Michael Spence | 54 | 62.1650 |
| 63 Bob Dorse | 74 | 81.0687 | 144 Lynn Johnson | 54 | 61.2913 |
| 64 Kris Speir | 42 | 80.7305 | 145 Jennifer Gratzer | 36 | 59.7864 |
| 65 Michael Chung | 27 | 80.5889 | 146 Katie Asp | 22 | 57.9827 |
| 66 Margaret Diddams | 44 | 80.2982 | 147 Erika Miller | 34 | 57.5236 |
| 67 Bernice Phillips | 78 | 80.1975 | 148 Rebecca Logsdon | 51 | 55.4299 |
| 68 David Tourigny | 26 | 80.1050 | 149 Rita Vasquez | 74 | 54.6079 |
| 69 Dennis Sawyer | 62 | 79.9093 | 150 Lisa Merz | 44 | 52.3313 |
| 70 Carrie Breed | 26 | 79.8505 | 151 Ernie Flowers | 49 | 51.7970 |
| 71 Dan Bailey | 48 | 79.2466 |  |  |  |
| 72 Jamie Whitney | 41 | 79.0240 | The second list shows the per- |  |  |
| 73 Krys Postma | 26 | 78.8753 | centage improvement over the |  |  |
| 74 Eric Asp | 47 | 78.8517 |  |  |  |
| 75 Eric Smith | 29 | 78.8289 | 1996 percentages from ten years |  |  |
| 76 Linda Sullivan | 49 | 78.7945 |  |  |  |
| 77 Hugh Moore | 51 | 78.3620 | ago. Out of 17 swimmers that are |  |  |
| 78 Karen Curry | 27 | 78.2750 | listed in both 1996 and 2006, eight |  |  |
| 79 David Turner | 43 | 78.0752 | bettered their five-event average |  |  |
| 80 Kelly Crandell | 25 | 78.0258 |  |  |  |
| 81 Frank Leonard | 51 | 77.7707 | percentage of ten years ago! |  |  |
| 82 Elisha Naylor | 19 | 77.0422 |  |  |  |
| 83 Gordon Gray | 60 | 76.8279 | PNA 1996-2006 Short Course |  |  |
| 84 Charles Norman | 39 | 76.7409 | Yards - Percentage of Improvement |  |  |
| 85 Sarah Jurick | 19 | 75.4235 |  |  |  |
| 86 Fran Eide | 46 | 75.3354 | 1 Sarah Welch <br> 2 Charlotte Davis <br> 3 Pinky Walker <br> 4 Michael McColly <br> 5 Janet Kavadas <br> 6 Eric Valley <br> 7 Steve Peterson <br> 8 Debbie Glassman | $59 \quad 6.3974$ |  |
| 87 Doug Redfield | 42 | 75.3208 |  | 59 56 | 6.3974 6.0216 |
| 88 Judy Williams | 57 | 75.0850 |  | 56 63 | $\begin{aligned} & 6.0216 \\ & 5.2078 \end{aligned}$ |
| 89 Mike Anderson | 49 | 75.0540 |  | 60 | $\begin{aligned} & 5.2078 \\ & 5.1236 \end{aligned}$ |
| 90 Richard Batley | 57 | 74.9182 |  | 60 75 | $\begin{aligned} & 5.1236 \\ & 2.3293 \end{aligned}$ |
| 91 Jean Blackburn | 54 | 74.6566 |  | 44 | $\begin{aligned} & 2.3293 \\ & 2.2091 \end{aligned}$ |
| 92 Hugh Kimball | 59 | 74.5400 |  | 59 | $1.6351$ |
| 93 Robert Densmore | 28 | 74.5223 |  | 59 | $\begin{aligned} & 1.6351 \\ & 0.4546 \end{aligned}$ |
| 94 Laura Main | 46 | 74.4942 |  | 52 | 0.4546 |
| 95 Adam Clump | 22 | 74.2802 |  |  |  |
| 96 Dave O'hern | 22 | 74.0091 |  |  |  |
| 97 Janet Johnson | 51 | 73.9390 |  |  |  |
| 98 Lee Carlson | 65 | 73.8150 | Now You Can |  |  |
| 99 Judith Sentz | 54 | 73.5081 |  |  |  |
| 100 Pam Stewart | 41 | 73.3429 | Mork Outin |  |  |
| 101 Brian Carlton | 56 | 73.2856 |  |  |  |
| 102 Meg Harris | 19 | 73.1447 | Covington <br> Eederal Way Masters has just started an additional |  |  |
| 103 Ashley Melseth | 19 | 72.8930 |  |  |  |
| 104 Anne Dulong | 35 | 72.0573 |  |  |  |
| 105 Janet Kavadas | 75 | 71.9550 |  |  |  |
| 106 Tom Dean | 47 | 71.9452 |  |  |  |
| 107 Doug Parrish | 45 | 70.9280 |  |  |  |
| 108 Tamara Tulou | 32 | 70.8538 |  |  |  |
| 109 Kathy Moore | 39 | 70.5788 |  |  |  |
| 110 Michael Turcott | 42 | 70.3024 | coached workout at Covington |  |  |
| 111 Renee Quistorf | 41 | 70.2248 | Aquatic Center, which is on the Tahoma High School campus |  |  |
| 112 Suzanne Way | 42 | 69.9511 |  |  |  |
| 113 Paul Ikeda | 46 | 69.8013 |  |  |  |
| 114 Bob Hartwig | 51 | 69.5848 | Workouts are Monday, Wednesday and Friday, from 5:30 a.m. to |  |  |
| 115 Ron Oren | 46 | 69.5765 |  |  |  |
| 116 Tina Alkezweeny | 30 | 69.1216 |  |  |  |
| 117 Pam Williamson | 41 | 69.0889 | 6:30 a.m. For more information, contact Wendy Neely, head coach of Federal Way Masters, at wendymal@mac.com or (253) 838-8408. |  |  |
| 118 Ron Hansen | 56 | 68.9388 |  |  |  |
| 119 Blanche Bybee | 38 | 68.9016 |  |  |  |
| 120 Gail Gladwell | 74 | 68.7179 |  |  |  |
| 121 Gregg Metzler | 47 40 | 68.6720 |  |  |  |
|  |  | 68.3400 |  |  |  |

## Dan Robinson Completes Manhattan I sland Marathon Swim as First Male Finisher

The next time you find yourself moaning and groaning about doing a distance set at one of your workouts, reflect on what 48-year-old Dan Robinson accomplished on June 24. Dan, who swims with GLAD, completed the $24^{\text {th }}$ annual Manhattan Island Marathon Swim (MIMS). Yep, that means he swam 28.5 miles around New York City's Manhattan Island.

Dan, a project manager at a Seattle construction firm, did more than complete the swim-he finished second with a time of $7: 49.27$. And he was the first male finisher. (The winner was Randy Opdycke, a 22-year-old lifeguard originally from Mercer Island but currently residing in La Jolla, Calif. Her time was 7:27.26.)

This was Dan's second shot at MIMS. He entered last year, but after five hours and 20 minutes, the officials called the swim because of lightning.

## Major Yardage

What is it like to train for a marathon swim? Well, Dan swam five days a week. His serious training began in January, when he logged 22,000 yards per week. He then bumped up his yardage each succeeding month until he hit 35,000 weekly yards during May.

Beginning that month, Dan swam only in open water and without a wetsuit. He did much of his swimming in Seattle's Green Lake, sometimes swimming twice around the lake's perimeter. When he started swimming in Green Lake, the temperature was a bracing 62


Dan Robinson (center) with Marty Berger (left), who founded the Manhattan Island Foundation that runs MIMS and Drury Gallagher, who started the swim in 1982.
degrees.
Last year Dan and his wife Kathy, who was part of his support crew, made MIMS one event in an East Coast vacation. This year, they went to New York only for the swim. On swim day, the couple had to wake up in their hotel room at 3:30 a.m. to prepare for the swim.

The swim, which had 22 solo swimmers and 17 relays, started at Battery Park at the southern end of Manhattan Island. It then proceeded north up the East River to the Harlem River. At Manhattan's northern tip, the swimmers entered the Hudson River and headed south. Shortly after Dan entered the Hudson, MIMS officials ordered all swimmers out of the water because of concerns about a possible squall. After 38 minutes, the swim was back on and there were no further delays.

During the swim, Dan ate, drank and peed frequently, and he ingested substantial amount of mocha Goo. The night after the swim, Dan had trouble sleeping because he
had so much caffeine from eating all that Goo.

## Jetsam and Flotsam

Maybe you're wondering about the quality of the water in which Dan and other MIMS participants spent several hours. Consider this: The MIMS website says " $[t] h e r e$ may be random jetsam and flotsam in the waterway." Also, all MIMS swimmers are required to have updated tetanus protection. As an additional precaution, Dan had shots to protect him from hepatitis. When he exited the Hudson during the squall threat, he blew his nose and whatever came out was, he reports, black.

After the swim, which didn't allow wetsuits, Dan learned that the water temperature in the East River was a chilly 67, and it was 70 and 71 in the Harlem and Hudson Rivers, respectively.

Will Dan do MIMS again? Kathy, who was extremely supportive of Dan's participation, has indicated that MIMS will not be on the couple's 2007 travel schedule.


Editor - This article appeared in the Au gust 2006 issue of Aqua Master, the newsletter or Oregon Masters Swimming. The author, Jane Higdon, was tragically killed in May while biking. Jane worked as a scientist at the Linus Pauling Institute, where she studied the effects of nutrition on disease.

AIthough it hasn't been proven that a daily multivitamin supplement containing 100\% of the Daily Value of most vitamins and essential minerals will lead to better health for well-nourished people, recent research indicates that several of the nutrients found in standard multivitamin supplements play important roles in preventing chronic diseases like heart disease, cancer, and osteoporosis. A daily multivitamin supplement ensures an adequate intake of several micronutrients that are not always present in the diet in optimal amounts:

## Folic acid

Birth defects like spina bifida are less common in the infants of women who start taking folic acid supplements prior to conception. Increased folic acid intakes can lower homocysteine levels, and high homocysteine levels are associated with increased risk of cardiovascular diseases and Alzheimer's disease. Increased folic acid intake may decrease the risk of some types of cancer, especially in those who drink alcoholic beverages.

## Vitamin B12

In many people, the ability to absorb vitamin B12 from food but not from supplements declines with age. For this reason, the Institute of Medicine recommends that adults over the age of 50 obtain the RDA for vitamin B12 from supplements or fortified foods.

Since it is only found in animal products, strict vegetarians also need to get vitamin B12 from a
supplement or fortified foods.

## Vitamin D

In many parts of the world, there is insufficient ultraviolet light for vitamin D synthesis in the skin during winter. Using sunscreen and avoiding sun exposure to prevent skin damage also prevents vitamin D synthesis. Vitamin D synthesis in the skin declines with age.

## Iron

Iron deficiency is the most common micronutrient deficiency worldwide and is a significant problem in the U.S. Although uncommon in men and postmenopausal women, iron deficiency is still common in children, adolescents, and premenopausal women.

## Reading supplement labels

Although one would expect the Daily Values (DV) listed on supplement labels to reflect the latest intake recommendations from the U.S. Institute of Medicine, most of them are actually based on outdated recommendations made in 1968.

The latest nutrient intake recommendations from the Institute of Medicine are called Dietary Reference Intakes (DRIs), which have been set for males and females throughout the lifespan. They include the Recommended Dietary Allowance (RDA) as well as the Adequate Intake (AI), which is established for a nutrient when there is insufficient data to calculate an RDA. Supplement labels continue to display the outdated DV. (A table comparing the DVs and the DRIs for adults will be included in the next issue of The WetSet.)

## Choosing multivitamin supplements

Most multivitamin supplements contain at least the RDA for folic acid, niacin, pantothenic acid, thia-

min, riboflavin, vitamin B6, vitamin B12, chromium, copper, iodine, manganese, molybdenum, and zinc. Supplements that contain more than $100 \%$ of the DV for these micronutrients are not necessary for most people.

Don't worry about the relatively small amounts of chloride, phosphorus, and potassium in multivitamin supplements. Most people get plenty of chloride from salt, and phosphorus and potassium are best obtained from diets rich in fruits, vegetables, and whole grains.

Trace elements like boron, nickel, silicon, tin, and vanadium are not necessary since they may not even be required by humans.

Vitamin A: Vitamin A in supplements may come from retinol, betacarotene, or both. Recent research suggests there may be an association between higher retinol intakes (5,000 IU/day) and an increased risk of osteoporosis in older men and women. However, vitamin A intakes from beta-carotene have not been associated with an increased risk of osteoporosis. Look for supplements containing no more than $2,500 \mathrm{IU}$ of vitamin A or, if unavailable, supplements containing 5,000 IU, of which at least $50 \%$ comes from beta-carotene.

Vitamin C: Although the current RDA for vitamin C is $75-90 \mathrm{mg} /$ day, most multivitamin supplements contain only 60 mg (the DV for vitamin C). Five servings of fruits and vegetables may provide about 200 mg . Aim for a total daily intake of at least 400 mg , which is associated with
the saturation of plasma and circulating cells.

Vitamin D: People over the age of 65 may need an additional 200400 IU/day.

Vitamin E: Few multivitamin supplements contain more than 30 IU, which is close to the RDA of 22 IU/day. LPI recommends an extra supplement of 200 IU natural dalphatocopherol daily.

Vitamin K: The current intake recommendation for vitamin K is $90-120 \mathrm{mcg} /$ day, but few multivitamin supplements contain even as much as the DV ( 80 mcg ). Broccoli and dark green leafy vegetables are excellent sources of vitamin K. Individuals on anticoagulant medicine like warfarin (Coumadin) should avoid sudden changes in their vitamin K intake from supplements or foods.

Biotin: Although the DV is 300 mcg , the most recent recommended intake for biotin is $30 \mathrm{mcg} /$ day.

Calcium: No multivitamin supplement contains the RDA for calcium ( $1,000-1,200 \mathrm{mg} /$ day $)$ because the resulting pill would be too large to swallow. People who don't consume the RDA for calcium from their diet will need an extra calcium supplement to make up the difference.

Iron: Premenopausal women should look for a multivitamin supplement that provides 18 mg . Men and postmenopausal women should generally look for a supplement without iron.

Magnesium: Few multivitamin supplements contain more than 100 mg . Because magnesium is plentiful in foods, eating a varied diet that provides green vegetables and whole grains daily should provide the rest of the RDA for magnesium ( $310-420 \mathrm{mg} / \mathrm{day}$ ).

Selenium: The RDA for selenium is $55 \mathrm{mcg} /$ day, while the DV for selenium is 70 mcg . One study of people with a history of skin cancer found that selenium supplementation at a dose of $200 \mathrm{mcg} /$
day decreased the incidence of prostate cancer by $50 \%$, but increased the risk of one type of skin cancer (squamous cell carcinoma) by $25 \%$. A much larger clinical trial designed to test the effect of selenium supplementation on the risk of prostate cancer is under way, but final results are not expected for another ten years.

## Quality and cost

In March 2003, the U.S. Food and Drug Administration proposed new regulations that would, for the first time, establish standards to ensure that dietary supplements are not adulterated with contaminants or impurities and are labeled accurately. However, these regulations are not yet finalized or implemented.

The United States Pharmacopeia (USP) has a voluntary testing program called the Dietary Supplement Verification Program. The USP Dietary Supplement Verification mark shows that the supplement has passed USP tests to ensure that it contains the ingredients listed on the label, contains the amount of each ingredient listed on the label, dissolves effectively, does not contain harmful contaminants, and was manufactured using safe and sanitary procedures.

Higher costs of particular brands don't necessarily mean higher quality. Generic brands are often indistinguishable from brand name supplements, but have lower prices. A year's supply may cost as little as \$30.

## Welcome

 New PNA SwimmersFrank Alarcon
Mark Alexander
Lawrence Amron
Tyler Box
Deborah Boyer
Mitchell Chapman
R Jason Coryell

William Cray<br>Tara DeFoe<br>Joline Esparza<br>Nicole Even<br>Richard Fabian<br>Jennifer Farinas<br>Marion Gallagher<br>Stephen Gwinn<br>Julie Hazelton<br>Michelle Hester<br>Karyn Holyk<br>Jennifer Horton<br>Neil Kaneshiro<br>Michael Kelly<br>Heather Klassen<br>Suzanne Klobuchar<br>Brittany Kunze<br>McGrann Laurie<br>Kenneth Lowry<br>Robert Mains<br>Sam Massey<br>Eric Mathson<br>Adam Negrete<br>Abigail Olson<br>Kari Pederson<br>Peter Phan<br>Laura Probst<br>James Radovich<br>Karin Robinson<br>Timothy Sean Rody<br>Jeffrey Schoner<br>Lorna Shanks<br>Pei-Fang Shen<br>Michael Silves<br>Anne Sommer<br>Rod Stevens<br>Linda Stevenson<br>Douglas Stotland<br>Charlene Tarolli<br>Linda Thompson<br>Rebecca Trost-Stewart<br>Pamela Vesterby<br>Milan Vidakovic Linda Warren<br>Sue Williams-Judge<br>Joseph Zimmerman III



## Orcas Open Water Challenge

Saturday \& Sunday, September 9-10, 2006
Hosted by Island Athletic Events and FINS of the San Juans
Sanctioned by PNA for USMS \# 060W3602
NAME: $\qquad$ USMS \# $\qquad$ - $\qquad$
Address: $\qquad$ City: $\qquad$ State: _Zip: $\qquad$
Date of Birth: $\qquad$ Age (on race day): $\qquad$ Gender (circle): M F

Email address: $\qquad$
Emergency contact \& phone:
Indicate event choice (circle): .5-mile, 1-mile, 3-mile, $4 \times$. 5 -mile relay Wetsuit / Non-wetsuit (circle one)

Entry fee: \$30, each additional event: \$5 Canadian fee: \$33
Race Day Entry fee: \$35 (\$35 CAN)
One-event USMS fee: \$10
T-shirt size (circle) S M L XL
For more information and updates go to: www.islandathleticevents.com

Eligibility: USMS or Canadian Masters registered swimmers 18 years of age and older as of September 9, 2006 are eligible to compete. Competitors without a USMS or Canadian Masters registration must pay a $\$ 10$ one-event USMS registration fee at check-in. Non-PNA swimmers must submit a copy of their current registration card with their entry.

Rules: Current USMS rules will govern this event. The use of neoprene wetsuits is allowed.

Liability Release: "I, the undersigned participant, intending to be legally bound, hereby certify that I am physically fit and have not been otherwise informed by a physician. I acknowledge that I am aware of all the risks inherent in Masters Swimming (training and competition), including possible permanent disability or death, and agree to assume all of those risks. AS A CONDITION OF MY PARTICIPATION IN THE MASTERS SWIMMING PROGRAM OR ANY ACTIVITIES INCIDENT THERETO, I HEREBY WAIVE ANY AND ALL RIGHTS TO CLAIMS FOR LOSS OR DAMAGES, INCLUDING ALL CLAIMS FOR LOSS OR DAMAGES CAUSED BY THE NEGLIGENCE, ACTIVE OR PASSIVE OF THE FOLLOWING: UNITED STATES MASTERS SWIMMING, INC., THE LOCAL MASTERS SWIMMING COMMITTEES, THE CLUBS, HOST FACILITIES, MEET SPONSORS, MEET COMMITTEES, OR ANY INDIVIDUALS OFFICIATING AT THE MEETS OR SUPERVISING SUCH ACTIVITIES. In addition, I agree to abide by and be governed by the rules of USMS. Finally, I specifically acknowledge that I am aware of all the risks inherent in open water swimming and agree to assume those risks."

## Must be signed and dated for acceptance.

Signed: $\qquad$ Date:

Location: Cascade Lake is located in beautiful Moran State Park on Orcas Island, WA. Water temp is approximately 70 degrees. Camping is available in four different camping areas, and the closest to the start is the Northend campground. For reservations visit http://www.parks.wa.gov. Lodging is also available at nearby Rosario Resort, http://rosario.rockresorts.com, which is a .25-mile hike to the start area. More lodging information is available at the race website. Hiking, biking, running trails, swim area, paddleboat rental, fishing, picnic areas, and a play area for the family are available. Restrooms are located at the start/finish area. Showers are available in the nearby campground.

Events: The .5 -mile and 4 person X . 5 -mile relay swims will be conducted along a buoyed line, The 1 -mile swim will be on a triangular course, and the 3 -mile swim on a trapezoidal course. All races will start in the water and finish on shore. Swimmers must check in for all events

## Schedule:

| Saturday: | 1:00pm - 1:45pm | Check-in for all swimmers |
| :---: | :---: | :---: |
|  | $1: 45 \mathrm{pm}$ | Pre-race briefing |
|  | 2:00pm | 1-mile start |
|  | 3:00pm | 4 X . 5 -mile relay start |
| Sunday: | 8:30-9:15 a.m. | Check-in for all swimmers |
|  | 9:15 a.m. | Pre-race briefing |
|  | 9:30 a.m. | .5-mile start |
|  | 10:30 a.m. | 3-mile start |

Entry Fee: The \$30 (\$33 CAN) entry fee includes a t-shirt and swim cap. Each additional race will cost $\$ 5$.

Entry deadline: Entry must be received by: 08/26/06. You may register race day for an additional $\$ 5$ but $t$-shirts will only be available as supplies last.

Safety: Lifeguards and safety boats will monitor the entire racecourse. Swimmers must wear the swim cap provided during the swim and their race number on their upper arm, leg, or hand.

Results: Results will be posted after each event and be available on the PNA web site and at www.islandathleticevents.com shortly after the event. There will be both wetsuit and non-wetsuit divisions.
Awards: Ribbons will be awarded for first, second \& third place finishes
Directions: Take I-5 to the Hwy 20/ Burlington exit. Following the signs to the Anacortes ferry landing and take the ferry to Orcas Island. After disembarking the ferry follow the signs to Moran State Park. The race venue will be located at the Cascade Lake picnic area across from the Northend campground. Your link to ferry info is http://www.wsdot.wa.gov/ferries/. A shuttle will be available for walk-ons. Contact Paul Hopkins at (360-472-0908/ phopkins@rockisland.com) for information.
$9^{\text {th }}$ ANNUAL SHORT COURSE METERS PENTATHLON MEET WI TH ADDI TI ONAL "BRUTE" DI VISION
Hosted by North Whidbey Masters (Sanction \# 063607)

| ODER OF EVENTS (\#1) |  |
| :--- | :--- |
| $\#$ | Event |
| 1 | 1500 free |
| 2 | 200 fly |
| 3 | 100 fly |
| 4 | 50 fly |
| 5 | 200 back |
| 6 | 100 back |
| 7 | 50 back |
| 8 | 200 breast |
| 9 | 100 breast |
| 10 | 50 breast |
| 11 | 200 free |
| 12 | 100 free |
| 13 | 50 free |
| 14 | 400 IM |
| 15 | 200 IM |
| 16 | 100 IM |

## DATE:

Sunday, September 24, 2006
TIME: $\quad \mathbf{1 5 0 0}$ - Warm-up at 9 am, meet starts at 10 am check-in by 9:30 am
Pentathlon - Warm-up 12 pm Meet starts 1:00 pm Check-in by 12:30 pm

LOCATION: John Vanderzicht Memorial Pool 85 SE Jerome St
Oak Harbor, WA 98277
Phone: 360-675-POOL

## MEET DIRECTOR: Sally Dillon

Phone: (360) 679-5038
E-mail: salswmr@verizon.net
FACILITY: Six lane, 25 m course. Lane 6 will be available for continuous warm-up/warm-down. Lanes 1-5 will be used for competition.

RULES
Current USMS Rules will govern the meet
ELIGIBILITY: Open to all year 2006 USMS or MSC registered swimmers 18 and above as of 9/24/2006 Age groups based upon the swimmer's age as of $12 / 31 / 06$. Entries must be received by the meet director by Saturday, September 16 with the following exception: Race day entries will be accepted for an additional $\$ \mathbf{5 . 0 0}$ (US) late fee until 9:30 am for the 1500 free and 12:30 pm for all other events.
SEEDING: Slow to fast. ALL EVENTS WILL BE DECK SEEDED - CHECK-IN IS REQUIRED.
TIMING: Electronic timing will be used.
AWARDS: All participants will receive a certificate. Special awards will be presented to the fastest 3 swimmers in each age group for each division of competition. No separate awards will be given for individual events.

THE COMPETITION: In order to receive awards, swimmers must enter all of the events that "complete" a division. The devisions are
"Sprinters Choice" Pentathlon Division
"Middle Masters" Pentathlon Division
"Animal" Pentathlon Division
"Brute" Division
50 each of fly, back, breast, and free plus a 100 IM 100 each of fly, back, breast, and free plus a 200 IM 200 each of fly, back, breast, and free plus a 400 IM 200 fly, 400 IM, 1500 free

There will be a short break after each stroke. Pentathlon/brute results will be calculated by adding the total time swum in the division's events. Swimmers competing will have a "time penalty" if they are disqualified in an event. It will be assessed as follows: ADD 5 seconds for each 50 of the event. Swimmers who try to abuse the disqualification system will be eliminated from the competition.

WEB SITE: Visit the PNA website at www.swimpna.org for updated information.
DIRECTIONS: Take highway 20 to Oak Harbor. Turn east onto Whidbey Avenue. Proceed $1 / 2$ mile to SE Jerome St. Turn right onto Jerome-the pool will be on the right.

SAFETY FIRST!
NO DIVING DURING WARM-UP EXCEPT INTO DESIGNATED SPRINT LANES.

## $\mathbf{9}^{\text {th }}$ Annual Short Course Meters Pentathlon + Brute event

Sunday, September 24, 2006
(Sanction \#063606)
NAME: $\qquad$ M F AGE as of $12 / 31 / 2006$ $\qquad$
ADDRESS: $\qquad$ CITY: $\qquad$ STATE: $\qquad$ ZIP: $\qquad$
E-MAIL ADDRESS: $\qquad$ BIRTHDATE: $\qquad$ USMS or MSC \#: $\qquad$
Local Team $\qquad$ or UNATTACHED $\qquad$ LMSC $\qquad$
USMS Club Abbrev: $\qquad$ USMS Club Name: $\qquad$ or UNATTACHED $\qquad$
EMERGENCY CONTACT: $\qquad$ PHONE: $\qquad$

|  | AGE GROUP | (Circle one - determined by your age as of December 31, 2006) |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $19-24$ | $25-29$ | $30-34$ | $35-39$ | $40-44$ | $45-49$ | $50-54$ | $55-59$ |
| $60-64$ | $65-69$ | $70-74$ | $75-79$ | $80-84$ | $85-89$ | $90-94$ | $95+$ |

## ENTRY LIMIT: 5 EVENTS

Circle if your first Masters meet: Yes

| EVENT NUMBER | EVENT | SEED TIME (for SC METERS) |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

ENTRY FEES: $\quad \$ 14$ (\$17 Canadian)
\$10 (\$13 Canadian) for seniors ( 65 \& over)
$\$ 10$ (\$13 Canadian) for entering only the 1500 meter free
Race day entries will be accepted for an additional US $\$ 5.00$ late fee (see Eligibility)

Please make checks payable to:
NWAC
Sally Dillon
PO Box 845
Oak Harbor, WA 98277
Direct questions to Sally at: salswmr@ verizon.net 360-679-5038 6. Add $\$ 5$ late fee for all others.

Please include a copy of your Masters registration card if you're NOT a PNA member.
WAIVER: I, the undersigned participant, intending to be legally bound, hereby certify that I am physically fit and have not been otherwise informed by a physician. I acknowledge that I am aware of all the risks inherent in Masters Swimming (training and competition), including possible permanent disability or death, and agree to assume all of those risks. AS A CONDITION OF MY PARTICIPATION IN THE MASTERS SWIMMING PROGRAM OR ANY ACTIVITIES INCIDENT THERETO, I HEREBY WAIVE ANY AND ALL RIGHTS TO CLAIMS FOR LOSS OR DAMAGES, INCLUDING ALL CLAIMS FOR LOSS OR DAMAGES CAUSED BY THE NEGLIGENCE, ACTIVE OR PASSIVE, OF THE FOLLOWING: UNITED STATES MASTERS SWIMMING, INC., THE LOCAL MASTERS SWIMMING COMMITTEES, THE CLUBS, HOST FACILITIES, MEET SPONSORS, MEET COMMITTEES, OR

| MEET ENTRY FORM: October 14, $20065^{\text {th }}$ Annual BAMFEST Hosted by Bainbridge Area Masters (BAM) - Sanction \#063608 |  |  |
| :---: | :---: | :---: |
|  |  |  |
| ADDRESS: |  |  |
| E-MAIL: _______________ PHONE: |  |  |
| BIRTHDATE:$\qquad$ USMS\#$\qquad$ Team or Unattached$\qquad$ Include a copy of your current Masters Registration card if you are not a PNA member. |  |  |
| EMERGENCY CONTACT:$\qquad$ PHONE: |  |  |
| ENTRY LIMIT: Five individual events, plus relays. Circle if your first Masters meet: $\mathbf{Y}$ |  |  |
| EVENT \# | EVENT NAME | SEED TIME (Short Course Ya |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| ENTRY FEES: \$ 13.00 Surcharge (Includes LMSC \& electronic timing fees) |  |  |
| Individual Events:\$$\qquad$ $\$ 1.00$ per event. No charge for relays. Optional for age 65 and over, or if needs based |  |  |
| Mail this entry form and fees to: Tara Simsak <br> 8416 NE Beck Rd. <br> Bainbridge Island, WA 98110 |  |  |
| Entries must be postmarked by Oct. 4 or received by Oct. 7, 2006. |  |  |
| Late entries will not be accepted. |  |  |
| WAVER: I, the unde physically fit and hav aware of all the risks possible permanent OF MY PARTICIPATIO THERETO, I HEREBY ALL CLAIMS FOR LOSS FOLLOWNG: UNITED COMMITTEES, THE CL INDIVIDUALS OFFICIA to abide by and be go | ticipant, intendi otherwise inform Masters Swimm death, and agre ASTERS SWIMMING AND ALL RIGHTS GES CAUSED BY TH ASTERS SWIMMING, FACILITIES, MEET E MEETS OR SUPE the rules of USMS | legally bound, hereby certify tha physician. I acknowledge that I ning and competition), including ume all of those risks. AS A COND RAM OR ANY ACTIVITIES INCIDENT MS FOR LOSS OR DAMAGES, INCLU IGENCE, ACTIVE OR PASSIVE, OF THE LOCAL MASTERS SWIMMING ORS, MEET COMMITTEES, OR ANY SUCH ACTIVITIES. In addition, I |
| SIGNATURE: |  | DATE: |

PNA Local Masters Swimming Committee
$5^{\text {th }}$ Annual BAMFEST SCr Swim Meet-Sanction \#063608

## ORDER OF EVENTS

Modified "High School" and
Check-in with Clerk of Course upon arrival and posk break.

LOCATION: Bainbridge Island Aquatic Center:
High School Rd. \& Madison Ave, @ the East campus entrance, Bainbridge Island WA; pool phone: 206-842-2302. 25 -yard course with six lanes used for competition and two lanes for
continuous warm-up. The jacuzzi will be
available during the meet for competitors only. Electronic timing will be used. DIRECTINS:
From Seattle:
From Seattle: Take the 7:55 AM ferry to Bainbridge Island. Proceed straight from the ferry terminal on
SR305 exactly one mile to NE High School Road. Turn SR305 exactly one mile to NE High School Road. Turn
left (west) on High School Rd. Turn right (north) at traffic circle onto Madison Ave. Take first left for driveway entrance to pool.

From Westsound: Take SR305 to Madison Ave. N and turn right (south). Proceed 0.6 miles to the pool.

ELIGIBILTTY: Open to all 2006 USMS registered swimmers age 18 and above on 10/14/ 06. Age groups determined by the swimmer's age on 10/14/ 06.

RULES: Current USMS rules will govern meet. AGE GROUPS (individual events): 18-24, 25-29, AGE GROUPS (individual events): 18-24,
and 5 -year age groups as high as necessary. RELAYS: Deck-enter relays at the meet. Age groups 18+, 25+, 35t, and 10 -year increments as high as necessary. Age of the youngest relay swimmer determines the age group of the relay. Fantasy relay instructions will be announced at the meet. (NOTE: the relay often utilizes inner tubes, backwards swimming, water polo balls, sculling, flower caps, and/ or other exciting and goofy challenges). SEEDING: Slow to fast. Check-in with the clerk of course.

MEET DIRECTOR: Tara Simsak TaraSimsak@aol. com, 206-780-3687; 206-550-2969 WEBSITE: For more information, visit the PNA website (www.swimpna. org), or BAM website www. bainbridgeaquaticmasters. org

No diving during warm-up/warm-down except into designated sprint lanes.
$\qquad$
Please print clearly and fill out the entire form. Register with the same name you will use for competition. If your name has changed, please include old and new names.


2006 Annual Fee: Of your membership fee $\$ 20$ is sent to USMS and $\$ 15$ remains with PNA to support our programs. $\$ 8$ of the USMS portion is designated for the national publication. (There is no discount for those not wishing to receive the national publication).

Choose a membership level $A, B$, or $C$ below.
A. Regular: 11/01/05 thru 12/31/06 \$35
B. Need-based or Seniors (65 \& over): \$25
C. End of Year 09/01/06-12/31/06 \$20

Foreign address, add \$10
Optional Donations:
USMS Endowment Fund
International Swimmers Hall of Fame $\$+$
TOTAL
\$

Make check payable to: PNA
Mail to: Arni H. Litt, Registrar 1920 10th Ave E Seattle, WA 98102-4253

Questions: (206) 323-4712, arni@qwest.net

WAIVER: I, the undersigned participant, intending to be legally bound, hereby certify that I am physically fit and have not been otherwise informed by a physician. I acknowledge that I am aware of all the risks inherent in Masters Swimming (training and competition), including possible permanent disability or death, and agree to assume all of those risks. AS A CONDITION OF MY PARTICIPATION IN THE MASTERS SWIMMING PROGRAM OR ANY ACTIVITIES INCIDENT THERETO, I HEREBY WAIVE ANY AND ALL RIGHTS TO CLAIMS FOR LOSS OR DAMAGES, INCLUDING ALL CLAIMS FOR LOSS OR DAMAGES CAUSED BY THE NEGLIGENCE, ACTIVE OR PASSIVE, OF THE FOLLOWING: UNITED STATES MASTERS SWIMMING, INC., THE LOCAL MASTERS SWIMMING COMMITTEES, THE CLUBS, THE HOST FACILITIES, MEET SPONSORS, MEET COMMITTEES, OR ANY INDIVIDUALS OFFICIATING AT THE MEETS OR SUPERVISING SUCH ACTIVITIES. In addition, I agree to abide by and be governed by the rules of USMS.

## Date

The United States Masters Swimming Policy on the privacy of member information is at: www.usms.org/admin/privacy.shtml

## TEAMS

| BAM: | Bainbridge Area Masters |
| :--- | :--- |
| BC: | Bellevue Club |
| BEST: | Bellevue Eastside Masters |
| BBST: | Bellingham Bay Swim Team |
| BMSC: | Bellingham Masters Swim Club |
| BS: | Brooks Swimming |
| CAC: | Columbia Athletic Masters-Pine Lake |
| DSYM: | Downtown Seattle YMCA Masters |
| ESC: | Evergreen Swim Club Masters |
| FSJ: | Fins of the San Juans |
| FTSW: | Ft. Steilacoom - WAKO |
| FWM: | Federal Way Master |
| GACM: | Gateway Athletic Club |
| GCMS: | Gold Creek Masters (GCM) |
| GLAD: | Greenlake Aquaducks |
| HMST: | Husky Masters |
| ISST: | Issaquah Swim Team |
| JAM: | Juanita Aquatic Masters |
| LUNA: | Team Luna |
| LWS: | Lynnwood Sharks |


| MMST | Meredith Mathews E Madison |
| :--- | :--- |
|  | YMCA Mudskippers |
| MIR: | Mercer Island Redwoods |
| NEO: | North End Otters |
| NHM: | Newport Hills Masters |
| NSYG: | Northshore Y's Guys |
| NWM: | North Whidbey Masters |
| OOPS: | Old Olympic Peninsula Swimmers |
| ORCA: | Orca Swim Club |
| PAC: | Poseidon Aquatic Club |
| PAM: | PAMS |
| PRO: | Pro Sports Club |
| PSC: | Phinney Ridge Swim Club |
| PTMS: | Port Townsend Master Swimmers |
| QASC: | Queen Anne Swim Club |
| RAH:: | Redmond Aqua Hotshots |
| RTB: | Raise the Bar |
| RFST: | Redmond Foothills Swim Team |
| SAC: | Seattle Athletic Club |
| SAMM: | Samena Club |
| SSRM: | Swim Seattle Redhawk Masters |


| STRM: | Storm Lake Aquatics |
| :--- | :--- |
| SVY: | Skagit Valley YMCA |
| SWIIM: | South Whidbey Island Masters |
| TACM: | Thunderbird Aquatic Masters |
| TACY: | Tacoma Pierce County YMCA |
| TIG: | Tigers |
| TSC: | Tacoma Swim Club |
| TMS: | Thorbecke's Masters Swimming |
| TVA: | Tumwater Valley Authority |
| UNAT: | Unattached to a Team |
| UPAC: | University Place Aquatic Club |
| VAM: | Vashon Aquatic Masters |
| VFC: | Valley Fitness Center |
| WAC: | Washington Athletic Club |
| WCY: | Whatcom County YMCA |
| WEST: | West coast Aquatics Masters |
| WSAS: | West Seattle All-Stars |
| WSYD: | West Seattle YMCA Dolphins |
| WWUS: | Western WA U Masters Swimming |
| YNOT: | Y Naut |

## WetSet Subscription/ Change of Address Form

The WetSet is PNA's official newsletter. Produced ten times a year, it is delivered free of charge to PNA members. Non-members may purchase an annual subscription to The WetSet for \$12, payable to "PNA Masters Swimmers." To subscribe, please send this completed form to Arni Litt, PNA Registrar, 1920 10th Ave E, Seattle, WA 98102-4253.
*Important -The WetSet is sent via bulk mail and is not forwarded by the US Postal Service. Please inform us of address changes.*



[^0]:    United States Masters Swimming, Inc. and the Pacific Northwest Association of Masters Swimmers are now, as they always has been, concerned for the safety and health of their members. They will continue to disseminate such information concerning swimming safety and health as comes to their attention. However, United States Masters Swimming, Inc. and the Pacific Northwest Association of Masters Swimmers cannot and does not accept responsibility for the content of any information or material not authored by United States Masters Swimming, Inc. or the Pacific Northwest Association of Masters Swimmers. All opinions stated in any such material are solely those of the authors and not necessarily those of United States Masters Swimming, Inc. or the Pacific Northwest Association of Masters Swimmers.

