This year, the Oregon Chapter will host the 2007 annual NAME conference in historic Astoria, Oregon at the Columbia River Maritime Museum (www.crmm.org). Founded in 1962, this museum is one of the finest maritime museums on the West Coast and the official maritime museum of Oregon.

Below are the four exciting conference themes that will meet the needs for all involved in marine and aquatic programs. More information will be posted soon at www.pacname.org.

- **Crossing the Bar:** The Columbia River Bar, where the River of the West meets the Pacific, is perhaps the most famous (and infamous) bar on the planet. Human interaction with the bar has left us with many stories to be told.

- **New Landscapes of Watersheds & Estuaries:** New knowledge and experiences about watersheds and estuaries is emerging daily.

- **The Changing Ocean:** New challenges and innovations face our ocean, including marine reserves, wave energy and climate changes, to name a few.

- **Applying Knowledge in Educational Settings:** An ongoing NAME conference theme – How do we use what we know to get our audiences excited about the world of water?

The official Call for Papers is out. Session dates and times are Monday, July 16, from 1:15-5pm (45 min sessions/workshops) and Wednesday, July 18, from 9:15am to noon (30 min sessions).

Please return proposals by April 15, 2007 via email or regular mail to:

**Bill Hastie • hastieb@wvi.com**  
4615 Bradford Loop, SE  
Salem, OR 97302

For questions, contact Bill at (503) 585-3525 or cell (503) 708-5081.

Presenters will be expected to register for the conference to participate in other conference sessions, functions or events. *See you there!*
The NAME Board of Directors meets twice a year. If you would like to be included in the email announcements and mailouts for the Board, let Orlay Johnson know: orlay.johnson@noaa.gov.

2006-2007 OFFICERS & COMMITTEE CHAIRS

President
Orlay Johnson
NMFS-NOAA
2725 Montlake Blvd.
Seattle, WA 98112
orlay.johnson@noaa.gov

Mini-grants
Sue Japhet
9210 Jennifer Ln. NW
Olympia, WA 98502
suejaphet@earthlink.net

State/Provincial Directors
Alaska
Karen Williams-Clarkson
PO Box 71637
Fairbanks, AK 99707
907.488.9088
kwilliamsclarkson@apexmail.com

British Columbia
Gordon Green
Royal BC Museum
Victoria, BC V8P 2PG
ggreen@royalbcmuseum.bc.ca

Margaret (Margy) Ransford
#8 4030 Lochside Drive
Saanich, British Columbia
V8X 2C8 Canada
250.727.0508
mnransford@hotmail.com

Oregon
Fawn Custer
PO Box 90
Seal Rock, OR 97376
(H) 541.563.6851
fawn.custer@oregonstate.edu

Washington
Deborah McArthur
NOAA Fisheries
Northwest Fisheries Science Center
2725 Montlake Blvd. E.
Seattle, WA 98112
206.860.3430
deborah.mcArthur@noaa.gov

Past President
Susie Vanderburg
2624 19th Way NW
Olympia, WA 98502
360.357.6561
vanders@co.thurston.wa.us

Secretary
Penney Edwards
Royal BC Museum
Victoria, BC V8P 2PG
piedward@telus.net

Treasurer
Rob Coats
6800 SW 35th
Portland, OR 97219
tatto0@earthlink.net

Membership
Mary Lou Peltier
4148 Lorna Ct. SE
Olympia, WA 98503
goseaslug@yahoo.com

Awards
Pat Willis, Director
Jackson Bottom Wetlands Preserve
123 West Main Street
Hillsboro, OR 97123
503.681.6206
fax: 503.681.6277
patw@ci.hillsboro.or.us

NMEA Representative
Julie Hahn
Washington Sea Grant
University of Washington
3716 Brooklyn Avenue NE
Box 355060
Seattle, WA 98105
206.685.9117
fax: 206.685.0380

to become a member of NAME:
Please contact Mary Lou Peltier at goseaslug@yahoo.com

2007 Nominees for NAME Board of Directors

The nominating committee is pleased to present the following slate of nominees for next year’s board positions. Ballots will be mailed to members June 1, and returned ballots will be counted July 1, 2007.

President-elect: Linda Maxson
Treasurer: Rob Coats
Secretary: Penney Edwards
NMEA Rep: Julie Hahn/Nancy Reichley (co-reps)
Alaska Director: Karen Williams-Clarkson
BC Director: Gord Green
Wash. Director: Deborah McArthur
Oregon Director: Fawn Custer

NAME MINI-GRANTS
Looking for funds to support your aquatic or marine education activities and outreach? NAME is offering grants from $50 to $250 for those qualifying. To receive a NAME mini-grant application, contact Sue Japhet at suejaphet@earthlink.net.

DEADLINE: NOVEMBER 15, 2007

Scuttlebutt Submission Information

To become a member of NMEA:
National Marine Educators Association
Please contact Scott Willis, Florida Marine Research Institute at scott.willis@fwc.state.fl.us or contact Julie Hahn at jkhahn@u.washington.edu or 206.685.9117.

Scuttlebutt Advertising Policy

1) All advertised goods and/or services shall be directly relevant to the NAME membership, specifically related to aquatic and/or marine education. 2) The NAME board of directors and the editor of Scuttlebutt retain the right to determine the suitability of products or services for advertising. They retain the right to refuse an advertisement for publication. 3) Advertising fees shall be $25 for members and $50 for non-members per year (two issues of Scuttlebutt.) Space for each advertisement shall be limited to 3 1/2” x 2” (business card.) Advertisements shall be camera ready or additional charges may be incurred, as determined by the editor, before the ad may be placed. 4) The appearance of any given ad in Scuttlebutt does not necessarily constitute an endorsement of said product or service, but has been accepted because of its potential interest to some or all of our members. Submit camera-ready art (electronic submission preferred at minimum 200 dpi) by published deadlines below to: Pam Merrill, Editor, OUTLOOK Writing and Design, pam@outlookwriting.com or mail to: PO Box 142, Belfair, WA 98528.
Member Survey Helps Shape NAME "Renaissance"
by Bill Hastie

NAME’s 2007 arrived very differently than 2006. Several NAME milestones occurred last year, making 2007 the beginning of what could be called a NAME “Renaissance.” NAME became a non-profit corporation in the United States in 2006. The non-profit process proved to be a changing event. For the first time in many years, NAME surveyed its members, and NAME board members held the first strategic planning retreat in memory us

QUESTION: Are Clearing and Scuttlebutt valuable to you?
Answers: Respondents gave Scuttlebutt strong support with 79%. Clearing Magazine, however, did not fare as well with only 47% responding affirmatively.

Overall, NAME received good marks, and respondents gave us information that was very useful. Here are the summarized results:

QUESTIONS:

1. What would you like to see in a reinvented NAME?
   ANSWERS: Many good ideas were generated by this question, but the top choices were as follows:
   1. More frequent meetings & workshops, especially local events
   2. An improved website
   3. Better communications
   4. Broaden marketing for NAME, especially for young teachers

   These responses tell us that each state and province needs to continue to offer workshops and other events for members, as well as sharing information and expertise.

2. What two things would you want to see in a reinvented NAME?
   ANSWERS: Eighty-one percent said they were willing to do one or more of these on behalf of NAME. This speaks well for future NAME leadership!

   The survey reveals that NAME is doing many things right, but could improve on several aspects. Communications are clearly in need of improvement, and the survey showed weak support for Clearing and favored expansion of Scuttlebutt. This finding, along with the clear need for an improved website, could point the way to a greatly improved Scuttlebutt, with an on-line option, that serves NAME’s members well. Another clear message is that NAME’s state and provincial workshops, seminars, field experiences and events are most valued by members, and should be increased. Finally, NAME’s annual conference is valued by most members and should be maintained.

   These findings are only summarized here. NAME’s Board of Directors will look at the entire range of responses as it finalizes the NAME strategic plan and develops new programs.

3. Who took this survey?
   1. Membership – Non-members 9%; first year 7%; 2-4 years 25%; 5-8 years 19%; 9-12 years 9%; more than 12 years 33%.
   2. Where from – Washington 42%; Oregon 35%; BC 12%; AK 7%; Other 2%.
   3. Profession – Federal, State, Provincial, local agency 30%; Public/private aquarium/nature center 20%; Classroom teacher 14% (Pre-K–2 17%, 3–5 8%, 6–8 17%, 9–12 50%, 13 & up 8%, Other 10%).

   Alan Rammer, longtime NAME member and Auction Guru, won the drawing for a year’s free membership for taking the survey.

   Thanks to all who participated – you made a difference!
NAME is changing and we would like your ideas on ways to improve. We hope the directors of each chapter will hold meetings this spring (or at least at the July Conference) to discuss ideas for NAME that our members would like to see implemented. If you have some ideas that you feel must be mentioned ASAP, please send me an email and we will incorporate them into the discussion of our strategic plans (see our website) for discussion at the Astoria conference.

However, first off, don’t forget to register for our annual NAME conference in Astoria! You can find registration materials on our website www.pacname.org. The Conference Committee has been working their behinds off to bring you one of the best and most productive conferences in NAME history. Save the dates – July 15-18. The conference theme alone is worthy of your registration: “Where the Watersheds Meet the Ocean – It All Happens at the Bar.” (I hope they have t-shirts with that theme written on them!) The sessions will be held in beautiful downtown Astoria (and in mid-July it is beautiful) at the Columbia River Maritime Museum, one of the best of its kind in the nation. This is a conference not to miss!

My year as NAME President has been very interesting and very busy so far. I cannot begin to tell you how impressed I’ve been with the NAME membership. You are a wonderful group of dedicated and enthusiastic educators! I am equally impressed by the e-mails I’ve received from members asking about various aspects of NAME, NMEA, NOAA, aquatic education and new teaching ideas. I have forwarded many of your e-mails to pertinent members and, from the responses I’ve received, a ton of great communication and education has occurred.

I’m also pretty impressed with NAME itself. The organization is metamorphosing into a dynamic and brand new organism. We recently became a 501(c)3 non-profit corporation which, like a butterfly coming out of a cocoon, allows us to reach into a whole new world for new funding options and educational possibilities. This could mean possibilities for helping each of you with your aquatic educational programs in new and exciting ways – stay tuned for big changes.

We recently sent our NAME members an information-gathering survey. Thank you all for taking the time to participate. Bill Hastie has summarized the results of the survey on page 3 in this issue of Scuttlebutt. I think the results have offered us a strong pathway to the future.

In response to members’ survey comments, the NAME leadership held a Fall Retreat in Indiana on the Kitsap Peninsula to discuss what was learned from the survey and develop draft strategic goals for the future. We stayed at Bill Hanshumaker’s summer cabin and worked at a nearby church, so costs were minimal. However, what made the retreat a particular success was the volunteer effort of Jeff Peliter, who donated his services as a trained facilitator to our group. With Jeff’s help and insistence for keeping on topic, we made some significant accomplishments. Thank you Jeff!

Two strong documents evolved from the session. The first was a restatement of NAME’s Core Values which was approved at the Board of Director’s meeting held March 3rd at the Seattle Aquarium. Here is the list.

**WE BELIEVE:**

1. that every human on Earth needs to be water-literate.
2. in sharing our knowledge, experiences and visions about the world of water with others.
3. that the sharing of a vision creates a community, and that

...
Ocean Science Bowl Results

by Linda Maxson

February was competition month for NAME-region Ocean Science Bowls! All the winning teams will meet in Stony Brook, New York later this spring along with winning teams from across the nation. In Oregon 10 teams from seven high schools competed in the 2007 Salmon Bowl in Corvallis on February 24. A new team from Hidden Valley High School made an excellent showing. Perennial powerhouse Neha-Kah-Nie High School was the eventual winner, but in a mild upset, it was their B-team composed of younger and less experienced players who twice beat the A-team.

At the 10th annual Washington State Ocean Sciences Bowl or ORCA Bowl, students from Vancouver’s ExCEL Academic League homeschool battled their way to first place, beating out the winning school from the very first ORCA Bowl, Garfield High School. Students from the Ocean Research College Academy (ORCA) of Everett Community College were very competitive and came in third. The competition attracted a total of 16 teams from across the state and was held on the University of Washington’s Seattle campus.

In the far north, the Tsunami Bowl in Alaska saw the three teams from Juneau-Douglas High School dominating the competition, scoring first, second and third place. The first place team, Team 585, with students Drake Skaggs, Hillary Buck, Eva Ceder and Deidre Ratigan, won a tuition waiver to the University of Alaska Fairbanks. Ben Carney, the coach for Team 585, received a tuition waiver for a marine science course for teachers to be held at UAF’s Kasitsna Bay Laboratory this summer.
Washington

“Geoduck” NEWS

Washington Director
DEBORAH MCArTHUR
NOAA Fisheries – Northwest Fisheries Science Center
2725 Montlake Blvd. E • Seattle, WA 98112
W: 206.860.3430 • deborah.mcarthur@noaa.gov

Washington NAME members, family and friends gathered at the Seattle Aquarium January 20-21 for an evening of pizza, talks, touring the aquarium and an overnight in the underwater dome and orca rooms (What’s it like to sleep next to a Stellar Sea Lion?). We enjoyed a special guest appearance by NAME president, Orlay Johnson, swimming with the sturgeon, skate and surrounded by salmon – Orlay was truly in his element! Many, many thanks to Giovannina Souers, our hostess for the evening, and to Woody Moses for helping to put together this great event! Enjoy the photos below and let’s do it again next year!

Planning for the 2008 NAME conference in Washington is underway. At a breakfast overlooking the Sound, it was decided to co-sponsor the event with the Whale Museum and hold the event in Friday Harbor on San Juan Island. We will be sending out an email to WA members to ask for your participation and ideas for themes. Thanks to Peggy Foreman, Marcy Kober and Casey Ralston for stepping up to lead the effort!

WA NAME co-sponsored the ORCA Bowl competition on February 24 at the University of Washington (UW) and participated in the UW Ocean Sciences Career Fair. We co-sponsored the Storming the Sound educator gatherings for the North Sound on January 19th, and the Central/South Sound on January 26th and teacher workshops at the Nisqually National Wildlife Refuge in January, February and March. Thanks to our WA state treasurer, Sally Lider for keeping the finances in order!

Some news from our WA members: Debbie Smith was honored as a “Champion for Kids” at a banquet at St. Martin’s College for her work with youth in aquatic education. “Champions for Kids” is an annual event sponsored by Together!, a non-profit organization for youth violence, alcohol, tobacco and drug prevention in Thurston County. And check out this story in Our Daily World on our friend Alan Rammer: www.thedailyworld.com/articles/2007/02/15/profile/01profile.txt

Again, as always, give me a shout if you have any ideas for WA NAME events. We (with the little daughter in tow) look forward to seeing everyone in Astoria, OR in July.

Good tide-ings to you all!

British Columbia

Chapter NEWS

British Columbia Co-Directors
GORDON GREEN
Royal BC Museum • Victoria, BC V8P 2PG
ggreen@royalbcmuseum.bc.ca

MARGARET (MARGY) RANSFORD
#8 4030 Lochside Drive • Saanich, British Columbia • V8X 2C8 Canada
250.727.0508 • mmransford@hotmail.com

A highlight for Gord in the last few months of 2006 was participation in building a new interactive marine biology exhibit at the Royal BC Museum. This room combines high and low tech activities to teach kids and adults about the marine environment of the Northeast Pacific Ocean. Although it’s a small room (55 sq. metres/600 sq. ft), it’s packed with displays and activities that include a 360 litre salt-water aquarium with local marine life, dried specimens for close-up observation, a microscope, a display depicting an underwater cliff and numerous computer interactives.

Reports from NAME BC members would indicate that the summer of 2007 is shaping up to be a busy one in marine education. The Marine Ecology Centre in Sidney (www.mareco.org) is offering a number of programs for kids and adults ranging in length from two-hour field trips to five-day youth camps. The Centre is also in the process of building a new, larger facility that should be finished in the spring of 2008. Bill Austin is very involved in this process. The plans for the new Centre look very exciting and we’re looking forward to it being completed.

The Bamfield Marine Sciences Centre (www.bms.bc.ca) is offering Summer Day Programs, Marine Biology Immersion weekends, painting workshops and a youth forum on marine birds and mammals.

See you in Astoria!
Before my eyes was a horrible monster, worthy to figure in the legends of the marvelous. It was an immense cuttle-fish, being eight yards long. It swam cross-ways in the direction of the Nautilus with great speed, watching us with its enormous staring green eyes. Its eight arms, or rather feet, fixed to its head, that have given the name of cephalopod to these animals, were twice as long as its body, and were twisted like the furies’ hair ... The monster’s mouth, a horned beak like a parrot’s, opened and shut vertically ... What a freak of nature, a bird’s beak on a mollusc! Its spindle-like body formed a fleshy mass that might weigh 4000 to 5000 lbs.; the varying colour changing with great rapidity, according to the irritation of the animal, passed successively from livid grey to reddish brown.

— Jules Verne, Twenty Thousand Leagues Under the Sea (1870)

Perhaps the most memorable squid in literature is this giant described by Jules Verne over a century ago. For a time, when little was known about the giant squid, Verne’s description was well researched and quite accurate.

Although there are giant species of squid, most are small or medium in size, usually less than a metre long. Squids are abundant in all oceans of the world. Approximately 40 species are known to live along the west coast of North America. A few live in shallow water close to shore, but most live in the open ocean far from land, often at great depths.

Squids are molluscs: although there is little superficial resemblance, they are related to snails, clams, oysters and slugs. The squid’s body is generally torpedo-shaped, and has two tail fins at the posterior end. These fins are used as stabilizers when the animal is swimming rapidly, or they beat rhythmically for slower swimming.

Like its close relative, the octopus, a squid has eight arms. But unlike the octopus, it has two longer appendages known as tentacles. All 10 appendages of the squid are, as Jules Verne notes, “fixed to its head,” and are arranged in a circle around the mouth. The mouth at the centre of the ring of arms is equipped with “a horned beak like a parrot’s,” which is used to kill the prey and then tear it into pieces small enough to swallow.

Squids have an amazing ability to change their colour. Special pigment cells in the skin can expand to show dark pigment within, or contract to hide the dark colour and show a pale coloration, usually white or grey. Controlled by muscles, these cells can open and close as fast as you can open and close your eyes, making for rapid and dramatic colour changes. A squid can change colour to camouflage itself, but when it is agitated or excited the colour changes can occur “...with great rapidity, according to the irritation of the animal ...”.

Man’s knowledge of squids has come a long way since Jules Verne wrote his classic novel, but there is still much to learn about these mysterious denizens of the deep. Little information is available for many of the known species and there are assuredly unknown species inhabiting the ocean depths off the coast of North America.
Creating Science Curriculum in the Field …

Scientists, Teachers and Mud Monsters

by Meredith Kaupp

Last July, a group of fifth and sixth grade teachers from around Puget Sound participated in a two-week science curriculum workshop hosted by the Padilla Bay National Estuarine Research Reserve* and funded through a grant from the Russell Family Foundation. The workshop focused on learning about and creating curriculum about Washington’s estuaries.

We spent the first week learning about estuaries in the field. We did water quality testing, collected and identified estuary plants and animals, made our own plankton nets and went on field trips to estuary habitats. We slogged through the mud looking for estuary creatures and avoided the “mud monster” who loves to eat rubber boots! Through the scientists and education staff at the Reserve, we learned about the vital role estuaries play in our environment.

Next, we looked at best practices in science education (such as notebooking), and examined the Washington Grade Level Expectations (GLE’s) for science. By first identifying which GLE’s could be taught using estuary science (nearly all of them), we began to create our lessons and units using estuary topics. We were energized by our own learning and excited to develop ideas that could be used in our classrooms. To view the many lessons and activities created in our workshop, please visit: http://www.padillabay.gov/lessons.

Finally, we used the lessons with our classes when school began in the fall. I developed an estuary webquest, which I used to introduce notebook procedures and the estuary system to my class. Students enjoyed using the Internet to learn about the topics, and had the benefit of many visuals to help them understand the importance of the estuary.

After the unit was completed, I asked my students to tell me the most important thing that they learned about estuaries. These are a few of the comments I received:

“... that eelgrass is so important … because the animals need to eat and have a place to hide from predators.” Selena
“... what would happen if we polluted them.” Mark
“... to keep estuaries clean and safe.” Yessica

These lessons were so powerful because our students live right on an estuary. They weren’t learning about something in another state or country, they were learning about the environment in their own backyards. Our hope is that we’ve created a drive to protect our estuaries in at least a few students, a drive that will remain in place throughout their lifetimes. Based on my informal survey, I definitely think we have the foundation set for thinking about the environment in a new way.

* Padilla Bay is part of a large river delta in a fjord estuary on the Salish Sea, which includes the inland waters between Olympia, WA and Campbell River in Canada. This large estuary, carved out by glaciers that retreated about 20,000 years ago, is fed by many fresh water sources including the Fraser and Skagit Rivers.