Docks Project Involves Students In Measuring the Health of Marine Waters

By Christina Pivarnik & Judy D’Amore

Usually when you think of a dock you think of a place where you tie up a boat or perhaps a spot to fish from. But 8th graders in Larry McKeehan’s science class at Quilcene Middle School have been using docks in a different way, as part of a pilot science program PTMSC launched last fall, the Docks Project.

“In the Docks Project, middle school students are helping to monitor and understand changes in water quality and biological communities underneath the docks in their community,” said Judy D’Amore, educator for the PTMSC and the lead on the project. “This work is especially relevant in Hood Canal, where a series of extreme low dissolved oxygen events has threatened marine life in recent years.”

Although students monitor only three times per year, she leads classroom activities with them throughout the year to help them understand the connection between the water conditions they are recording and the environmental challenges the region is facing.

The students have been sampling the water from docks at the Herb Beck Marina in Quilcene. Back in the classroom they are testing it for dissolved oxygen and also for the presence of nitrates. Scientists are concerned that nitrates, associated with septic system failure and certain agricultural and forestry practices, are flowing into Hood Canal. Elevated nitrates can cause an ecological disturbance that leads to low dissolved oxygen conditions. These conditions are exacerbated by natural features in the canal that limit water exchange with the rest of Puget Sound.

Students have also been monitoring for invasive tunicates, a group of marine organisms from other parts of the world that arrived here attached to boats. Once established, they spread over surfaces in marinas and along the bottom, smothering native species. At least two of these nuisance species are known to be present in Hood Canal. Students are monitoring for these species by making settling plates using ceramic tiles. If tunicates are present, there is a good chance they’ll attach to the tiles. Over the course of a year, students are able to use these settling plates for experiments where dock organisms choose to settle. Do they prefer the sun or shade? Deep water or shallow? Smooth surfaces or rough?

Judy’s goal is for the students to share their findings by posting information about their investigations to the Internet. As the program grows to include schools in other areas, students will be able to share information from their dock investigations with students monitoring from other docks, and compare it with on-line data from automated water quality monitoring buoys maintained by scientific networks.

Continued on Page 2
PTMSC feels the Quilcene School District has been a good place to pilot the project. It has a public marina very close to the school, small class sizes, a flexible teaching atmosphere, and a staff that welcomes opportunities for community-based student projects. The Docks Project has also been enhanced by technological and educational support from partner organizations, Washington State University and Big Quil Enterprises.

Other partners in the project include the Port of Port Townsend (with use of the dock at the Herb Beck Marina), and Jefferson County Conservation District, which has provided technical support. Jefferson County Health Department and the Hood Canal Salmon Enhancement Project have offered to make classroom visits in future years to provide support and validation for the students’ monitoring efforts. Funding for the project has been provided by grants from the Horizons Foundation, the Jiji Foundation, the Norcliffe Foundation, Wells Fargo and the Port Townsend Rotary.

The Docks Project is getting students outdoors, doing real science related to environmental issues of the 21st century. It involves students connecting with their local marine environment.

Larry McKeenan agrees. “It’s great for our students to be able to relate to the marine environment in their own Quilcene Bay through their scientific studies in school. They see this bay every day; they swim, fish and use it for recreation throughout the year with their families.”

The Docks Project has been, and will hopefully continue to be, important to our larger community by helping to build awareness of Puget Sound issues with our young people who will have the responsibility of its stewardship in the future. Pending funding approval, the program will expand to include all Port Townsend School District 8th graders next year, in addition to Quilcene 8th graders.

The kids certainly want to see the program continue, saying, “The Docks Project has given us another view and appreciation for this part of our environment. I liked using scientific equipment I had never seen or used before. I didn’t know about all the things that live in our bay!”

Come celebrate the 4th of July with PTMSC!

The first 100 people admitted to the exhibits will be treated to a hot dog in honor of the occasion. We’ll also be doing fish printing under the NHE portico, or if bad weather prevails, in the Marine Exhibit classroom. Exhibits open at 11am and hot dogs may be claimed by showing your stamped hand anytime after 11:30 am. Get ‘em while they last!

Summer Lecture Series
Facing the Climate Change Challenge: Locally and Globally

Dr. Richard Gammon
Thursday, June 22nd, 7 pm NHE

Dr. Richard Gammon, a University of Washington Professor of Chemistry and Oceanography, will discuss the latest climate findings from 2007/2008, as well as a review of recent international climate reports. He will also present predictions of changes expected in this region, especially in agriculture and sea level, focusing on possible responses at the individual, state, federal and international levels. Dr. Gammon says... “a narrow focus on physical changes in the Pacific NW misses the point and our responsibility.” In addition to the science, he will discuss possible human dimensions of climate change: mass migrations, desertification, food shortages and political instability.

Dr. Gammon has recently served as Co-Director of the UW Program on the Environment (2004-2006) and was a co-author of the first Scientific Assessment by the Intergovernmental Panel on Climate Change (IPCC, 1990). He served as Chief of the Carbon Dioxide Program, Geophysical Monitoring for Climate Change, directing the US program to measure CO2 in the global atmosphere (NOAA Environmental Research Laboratories, Boulder, 1982-84). His research has focused on atmospheric trace gases critical to climate change.

Feathered Oscillators: Reproductive Synchrony in Seabirds

Dr. Jim Hayward & Dr. Shandelle Henson
Thursday, July 17th, 7 pm NHE

Feathered Oscillators: Reproductive Synchrony in Seabirds research project demonstrating the very unusual phenomenon that Glaucous-winged gulls tend to lay their eggs synchronously on an every-other-day schedule.

Jim Hayward is a professor of biology at Andrews University, Michigan. He has studied Washington’s seabirds since he began graduate studies in 1972 and has been researching the fauna and flora of Protection Island since 1987. Jim earned a masters degree in biology from Andrews University and a Ph.D. in zoology from Washington State University.

Shandelle Henson is a professor of mathematics at Andrews University and is trained as a mathematical ecologist. Before she began studying the Protection Island ecosystem with her husband, Jim, she was a part of the so-called “Beetle Team,” well known among ecologists for the first demonstration of “chaos” in an ecological system. Shandelle earned a masters degree in mathematics from Duke University and a Ph.D. in mathematics at the University of Tennessee.

Both Jim and Shandelle are widely published in both technical and popular literature, and have both won awards for their teaching. They live in Michigan for nine months of the year and during the remaining three months enjoy the incredible beauty of the Pacific Northwest. Their research is funded by a grant from the National Science Foundation.

Admission: $5/members; $7/non-members

Admission: $5/members; $7/non-members
A Place for Kids to Jump Into Summer Science Fun

Science camps at the Port Townsend Marine Science Center give kids experiential learning while they explore cool things about marine life and our natural environment.

Bones, Bugs & Bluffs Day Camp (July 7 – July 11) Ages 8-12
Camper will use the Park’s varied natural environments from beach and glacial bluff to forest, pond and meadow. They’ll assemble skeletons of marine mammals, catch and learn about bugs, find out about earthquakes detected on a seismograph, investigate the life in a pond and make connections between fossil animals and their living descendants. With hikes, crafts, games and quiet times in a beautiful setting, this camp offers fun and learning. Cost is $190.

Marine Biology Day Camp (July 14 – July 18) Ages 9-13
Camper engage in exciting classes, labs and field programs. A few of the many captivating activities include: sieving through goopy sediments looking for brittle stars, pulling a seine net through eelgrass beds to learn where young fish hide and using microscopes to observe the “stuff” that supports all life in the sea. These activities give campers an opportunity to learn about individual groups of marine plants and animals, while taking an ecosystem approach to marine study. Day Camp cost is $190.

Since the day camps are from 9 am – 5 pm, it keeps them busy while you’re working or, if you’re a grandparent, it also gives you a few free hours to catch your breath and relax before they come back for dinner!

Marine Biology Residential Camp (July 27-Aug. 2) Ages 9-13
Housing in the barracks at Fort Worden State Park, Residential camp is $620. More information about all the camps is available at www.ptmsc.org

Inspire your young scientist and create fun memories to last a lifetime!

Seth Bender Memorial Scholarship Fund
PTMSC’s hands-on Marine Science and Natural History Camps provide educational opportunities for boys and girls ages 8-18. This scholarship fund, established in memory of Seth Bender, provides tuition assistance for low-income families. We sincerely thank the following for their recent contributions:
Nan Toby Tyrell, Mary Boone, Judith Adler, Betty Anne & Allen McCall and Sheila Bender in honor of Paula Jones Gardiner and Jennie Frizzelle.

Contributions to the scholarship fund are always accepted and can be sent to:
Seth Bender Memorial Scholarship Fund
Port Townsend Marine Science Center
532 Battery Way, Port Townsend, WA 98368

Volunteer Profile--Bud Kannenberg
By Jean West, Volunteer Coordinator
If I ever get to be 86 years old, I would like to be like Bud Kannenberg—smart, active, curious, friendly, and with a better knowledge of history and the natural world than most people of any age. It’s impossible to have a conversation with Bud, a star docent in the Natural History Exhibit since 2001, without learning something new—especially if the subject happens to be Native Americans, salmon (his favorite fish), buffalo (his favorite animal), eelgrass (can’t have salmon and baldfish without that), or the history of Port Townsend or any of the other places he has lived.

History has been Bud’s passion since boyhood, when his curiosity was piqued by the discovery of an ancient spear point while hunting with his father. For much of his childhood, Bud and Evelinn have lived in ever more remote dwellings that were recently discovered in the mines and dwellings that were being reclaimed by the forest. Nevertheless, one day in 1969 he visited Port Townsend, and on that day he and Evelinn bought the house they have lived in ever since and which they have filled with their treasures. Up on the bluff above Memorial Field, Bud and Evelyn have a fine view of everything going on in the Straight and Admiralty Inlet, downtown and Point Hudson. For years, Bud has been keeping a tally of the number of migrating brant, another of his favorite creatures. Although he has noted a serious overall decline in the number of brant since he started keeping track, Bud has counted a large number this Spring.

Always ready to learn something new, Bud can be counted on to participate in almost any volunteer training, both as a learner and mentor to new docents. He recently participated in seismograph training and five-week Marine Exhibit training. He is also becoming expert at dissecting seagull guts to determine how much plastic the gulls are ingesting. He spends every Friday afternoon in the Natural History Exhibit, where he relishes the opportunity to share knowledge, and hopefully ignite the curiosity of young and old visitors. For years, he has also been a most welcoming presence for our AmerCorps staff and interns.

If it’s not Friday, you may find Bud just down the road at Point Wilson, in pursuit of his favorite fish. Wherever you find him, you will also find a great story and a warm hug.

The Port Townsend Marine Science Center presents
A Workshop for Teachers, grades 3-8
Approaches to Scientific Inquiry: Science Beyond the WASL
August 17-20, 2008 Fort Worden State Park

The PTMSC is offering an exciting new teacher training on Scientific Inquiry based on methods developed at the Exploratorium’s Institute for Inquiry and on new programs on inquiry in the Natural Environment developed at the PTMSC. Tuition is free (through a grant from the Russell Family Foundation) and covers instruction, instructional materials, and room & board at Fort Worden Conference Center. Credit and clock hour options are available for an additional cost.

Enrollment is limited to 24 participants. Apply now and tell your teaching friends! Click on http://www.ptmsc.org/education/teacher.html to download a flyer, course syllabus and an application form. Or contact us directly 360-385-6952 or info@ptmsc.org
Plastic Pollution Awareness at PTMSC

By Christy McLean, Marine Program Coordinator

As we continue to develop our Plastic Pollution Awareness for Puget Sound Schools and Communities project, I am continually struck by our complicated relationship with plastic. I type this story on a plastic keyboard while sitting on my plastic chair and snuggling into my plastic shirt. Plastic benefits our society in many ways. It is used to make sterile medical equipment, safe and fuel efficient cars and many other durable goods. Then there is all the plastic that we use just because it’s convenient—disposable cups, plates and utensils, water bottles, grocery bags, and take out containers. Reducing our consumption of these single use plastics is the easiest way we can really make a difference in the plastic pollution problem. If you consider that 60% to 80% of marine plastics is the easiest way we can really make a difference in the plastic pollution problem.

One of the first steps in developing this Puget Sound wide baseline study has been to adapt sampling protocols developed for the sandy beaches of southern California. Anyone who has spent time on Puget Sound beaches knows that we have a wide variety of substrates on our shorelines: rocky cobbles, gravel, sand and drift logs. Our sampling trials this spring will help us decide how we can effectively collect data from these various shorelines. We are also using existing research on shoreline drift patterns to determine where microplastics are likely to end up on our beaches.

Along with others in the scientific community, we have begun to ask that difficult question: Just how much plastic is really in our marine waters? Expanding on the sampling project begun last year, PTMSC will sample in 10 counties this summer to measure floatable plastic debris on Puget Sound beaches. This biannual study focuses on “microplastics” or debris from 1-5mm in size—those small pieces that are potentially being ingested by animals at the base of marine food webs.

The information we gather from both these studies will help us begin to see how plastic is distributed throughout Puget Sound. Developing this baseline data set is the first step toward learning how plastics are impacting our local marine environment. In the meantime, as you go to grab that steamy latte with the plastic lid, remember to ask yourself—will this plastic end up in Puget Sound?

Plastic Pollution in the Seas Has to Stop!

Update from Dr. Marcus Eriksen of Algalita Marine Research Foundation

If you were at the PTMSC for Dr. Eriksen’s talk in March, you heard that he was planning to sail back through the NE Pacific gyre to collect more water samples. Well, two months later that is what he is doing, in a raft named JUNK, made of 15,000 plastic bottles, 20 sailboat masts, with an aircraft fuselage serving as a cabin.

After reviewing these initial trials, we will determine appropriate sampling sites throughout the Puget Sound. Working with other volunteer groups, we will train citizen scientists to collect and sort samples from their local beaches. These samples will then be weighed and analyzed by PTMSC staff. In addition to providing a baseline picture of local plastic pollution, the data from these samples will contribute to a developing database of plastic debris on beaches worldwide.

This spring we also began our Protection Island gull bolus study. A bolus is a cigar or ball shaped wad of indigestible material that seabirds regurgitate on a regular basis. The study of albatross bolus (plural of bolus) has been a significant indicator of increasing levels of plastic pollution in the North Pacific Ocean. Ingesting plastic debris has been devastating to many albatross colonies, as young chicks often starve to death or dehydrate when fed excessive plastic debris by their marine foraging parents. We’ll be offering demonstrations of the bolus study during open hours in the NHE.

Under the guidance of former PTMSC Marine Educator, Cinnamon Moffett, volunteers are currently dissecting 60 bolus collected from Glaucous-winged gulls nesting in the Protection Island colony. With support from the Seabird Ecology Team, the bolus collected last June. Collection took place during the short window after the eggs were laid but not yet hatched, in order to decrease the impact on the colony. By sorting and identifying what these gulls are eating, we will begin to determine whether our local seabirds are ingesting plastic debris.

The contents of the Protection Island bolus will be compared with those from Glaucous-winged gulls nesting on Tatoosh Island. Tatoosh Island, located off the northwest point of Washington state within the boundaries of the National Marine Sanctuary, has a smaller breeding colony of Glaucous-winged gulls which use different feeding strategies. Studying both of these islands allows for a comparison between a breeding colony near a population center with one relatively removed from human influence.

You can follow Dr. Eriksen’s journey at this blog address: www.junkraft.blogspot.com.

Photo: Peter Bennett / Ambient Images
Schedule of Events

JUNE
10 T Geology Study Group 5:15 pm
12 TH Speaker Richard Gammon: Facing the Climate Change Challenge: Locally and Globally 7 pm, NHE (see pg.3)
13 F Summer Opening Day:
Exhibits open Wednesday through Monday, 11 am – 5 pm
14 S Marine Invasive Species Monitoring Training 9 am-1 pm ME classroom
26 TH Geology Study Group

JULY
4 F Come celebrate the 4th of July with PTMSC!
5 SA Protection Island Puffin Cruise 6-9 pm
7-11 Bones, Bugs & Bluffs Day Camp
12 SA Protection Island Puffin Cruise 6-9 pm
14-18 Marine Biology Day Camp
17 TH Jim Hayward & Shandell Henson Feathered Oscillators: Reproductive Synchrony in Seabirds – 7 pm NHE (see pg.3)
26 SA Protection Island Puffin Cruise 6-9 pm
27- Aug 2 Marine Biology Residential Camp
27- Aug 2 Adventures in Marine Research Teen Camp

AUGUST
2 SA Protection Island Puffin Cruise 6-9 pm
9 SA Protection Island Puffin Cruise 6-9 pm

SEPTEMBER
2 T Fall Exhibit Hours: Both Exhibits open Friday, Saturday & Sunday noon- 4 pm
14 SU Protection Island Sail Aboard the schooner Adventuress 10 am – 4 pm

2008 Summer Nature Walks
Time: 10 am low tide walks and others as indicated; 2:30 pm all other walks
Where: Meet at NHE portico
Fee: Free with cost of admission

It’s Nature Walk Season!
That means summer with all sorts of interesting stuff happening between sand and surf. On the Friday Nature Walks this year we can turn over rocks (and put them carefully back), peek under seaweed and wonder about the forces that make our beaches. And the best part will be sharing all this with our visitors – and a chance to do a little educating; teaching about this wonderful but fragile environment and how to take care of it. Nature Walks will happen every Friday from June 13th to August 29th. Meet at the portico of the Natural History Exhibit. See schedule below. Programs are posted on our Website (www.ptmsc.org/exhibits/nature walks.html). Walks are free for members and included in the price of exhibit admission for nonmembers (Adults $5; youth $3; children 5 & under free).

For information about any of these programs, call the PTMSC at (360) 385-5382 or email info@ptmsc.org.

Port Townsend Marine Science Center programs are offered in cooperation with the Washington State Parks and Recreation Commission.

We Couldn’t Have Done It Without You – Tides of March Auction Was A Huge Success
A full house of PTMSC supporters reaped the benefits of three months of hard work and over 2,200 volunteer hours at the 4th annual Tides of March auction, held March 1 at the Jefferson County Fairgrounds. PTMSC netted $85,000 for its programs, including $13,700 in Fund a Need, which is set aside for getting students to the Marine Science Center at a free or reduced rate. An auction is a huge undertaking, and couldn’t happen without staff, volunteers, local businesses, and attendees. We have hopefully done our job in thanking you personally, but just once more we would like to thank:
• 100 volunteers that made this possible, especially Nancy Fowler, the brains behind this year’s operation, and including, but not limited to: the solicitors, • people who donated specifically to Fund a Need for student scholarships • people who attended and brought their friends and colleagues • people and businesses who donated items or services to the auction • people and businesses who sponsored the auction • people who bought items or services at the auction • people who attended and brought their friends and colleagues • people who donated specifically to Fund a Need for student scholarships

Port Protection Island Puffin Cruises
July 5, 12, 26, August 2 & 9
Saturdays, 6 pm – 9 pm
Tickets: $55 per person
($30 for PTMSC, Burke Museum, Audubon Society or Washington Ornithological Society members)
Reservations and information:
(360) 385-5582 ext. 104, (800) 566-3932
or cruises@ptmsc.org
Discounts available for children and groups

Please join us for our Summer Puffin Cruises to Protection Island...
Enjoy Port Townsend’s gorgeous summer evenings aboard the comfortable 65-foot motor vessel Glacier Spirit, operated by Puget Sound Express, and look for puffins on Protection Island. It’s hard to know which is more beautiful— Admiralty Inlet with the sun sinking into the west or the incredible wildlife on Protection Island! On Saturday, July 5, the Glacier Spirit will depart from Point Hudson Marina in downtown Port Townsend at 6 pm and return at 9 pm. Additional cruises will be on July 12, 26, August 2 and 9.

Everyone loves puffins with their colorful markings and endearing expressions. The evening cruises offer a chance to see them in their natural habitat—with a fish in their bill, swimming, flying or diving. No matter what they’re doing, they’re fun to watch!

Tickets for the evening Puffin Cruises on the Glacier Spirit are $55 per person ($50 for PTMSC, Burke Museum, Audubon or Washington Ornithological Society members).

...or Sail on the Adventuress
You are also invited to take a less leisurely trip to Protection Island on Sunday, September 14 aboard the classic 101’ sailing schooner Adventuress, departing at 10 am and returning at 4 pm. Enjoy this historic sailing vessel while learning more about the wildlife refuge and its natural inhabitants. This is also a “bestseller” since we only offer the Protection Island Sail once a year. Call soon to make reservations!

Tickets for the sail on the Adventuress on September 14, are $75 per person ($70 for PTMSC, Burke Museum, Audubon or Washington Ornithological Society members). Proceeds will benefit the PTMSC’s educational programs. Reservations are required and may be made by phone at: (360) 385-5582 or (800) 566-3932 or e-mail: cruises@ptmsc.org.

The brains behind this year’s operation, and including, but not limited to: the solicitors, cooks, decorators, set up, clean up, writers and editors, techies, “night o’ volunteers and steering committee
people and businesses who donated items or services to the auction
people and businesses who sponsored the auction
people who bought items or services at the auction
people who attended and brought their friends and colleagues
people who donated specifically to Fund a Need for student scholarships

Thank you! Thank you! Thank you!
What It Means to Be A Member of PTMSC

By JoAnne Heron, Development Director

When I extol the benefits of membership in PTMSC, I am not talking about how many free passes you get or the discount you get on camps, cruises and lectures. I am talking about something deeper and more meaningful. Membership is the basic building block of support for the Marine Science Center. It is your statement of belief in PTMSC’s mission of educating about and conserving the marine environment. It is an investment in our ability to help young people meet the challenge of understanding and caring about Puget Sound.

Membership is your support for programs which help us understand the fragile marine environment, through both our citizen scientists’ research and our lecture series that brings nationally recognized journalists and scientists to our home. It gives you ownership in PTMSC. It is your statement of belief in PTMSC’s mission of educating about and conserving the marine environment. It is an investment in our ability to help young people meet the challenge of understanding and caring about Puget Sound.

PTMSC has approximately 700 members. When writing a grant to a foundation or agency requesting funding for an important program like Plastics, the Puget Sound Marine Environment, we can say with confidence, “All of these people believe in our work. We can believe in us, too!”

If you are ever tempted to drop your membership because your children or grandchildren have grown up or moved away, remember that PTMSC is working toward making the marine environment a place where they will always have a place to come back to, a beach where they can rekindle their sense of wonder, learn about the intricate web of marine life, and take toward making the marine environment a place where they will always have a place to come back to, a beach where they can rekindle their sense of wonder, learn about the intricate web of marine life, and take their children’s children’s exploratory walk. Your membership is important, and we value each and every one of you…..not just for now, but for always. 

What’s New at the Burke Museum

The Last Polar Bear: Facing the Truth of a Warming World

Opening Day: Sat., June 28, 2008 10 am - 4 pm

A day of talks, displays, and tours with wildlife photographer, Steven Kazlowski

On the brink of extinction? On the heels of the recent government decision to list the polar bear as threatened under the Endangered Species Act, the Burke Museum, presents a new environmental photography exhibit on global warming and its impact on the Arctic. Forty dramatic and heartwarming images of polar bears are documented by wildlife photographer, Steven Kazlowski, illustrating the plight of all creatures in the Arctic web of life.

Created in partnership with Braided River Books, the conservation imprint of The Mountaineers Books.

Many Thanks Go To:

• Burt Howells for donating a digital camera
• Bob Knudson for donating a Diatom Test Plate with slide ID

Annual Appeal Donations Received Since Last Issue:

Under $100  
Nancy & Jeff Adelson  Ron & Rosemary Sikles  Mary Coney

$100 and Above  
Dianne & Aug Boeger  Susan & Robert LaFrug

Thank you to 2008 Anniversary Challenge Donors

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By JoAnne Heron, Development Director

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YES, I WANT TO BE A MEMBER!
You can support the mission of the Port Townsend Marine Science Center—
to promote a greater understanding of the marine sciences—by becoming a member or by renewing your membership.

Student & Individual
- Unlimited free admission to the Marine Science Exhibit and Natural History Exhibit
- PTMSC Octopress newsletter
- 10% discount on all regularly priced merchandise at our Gift Shop
- Discount admission to all PTMSC events: Protection Island Cruises, Speaker Series, etc.
- Reciprocal member privileges at the Burke Museum
- PTMSC bookmark
- Monthly e-mail notification of upcoming events
- Recognition in the Octopress newsletter
- Unlimited use of the PTMSC library
- Advance notice of programs & events

Family
- All of the above plus unlimited free admission to the Marine Science Exhibit and Natural History Exhibit for your family
- Tuition discounts for the PTMSC Hands-On Summer Science Camps

Patron
- All of the above plus 2 free admission tickets for friends

Friend
- All of the above plus 6 free admission tickets for friends and/or associates

Sustaining
- All of the above plus 10 free admission tickets for friends and/or associates

Business/Professional
- All of the above plus a link from our Web site to yours

Octopress Sponsor
- All of the above plus a business card ad in the Octopress newsletter

Benefactor & Sponsor
- All of the above and recognition in the Annual Report

YES, I WANT TO BE A MEMBER!
Check if this is a: ☐ New Membership or ☐ Renewal

Name___________________________ Phone________________  e-mail__________________
Address______________________ City____________________  State______  Zip__________

☐ $15 Student ☐ $75 Friend  ☐ $500 Benefactor
☐ $25 Individual ☐ $100 Sustaining  ☐ $1000 Sponsor
☐ $35 Family  ☐ $125 Business/Professional
☐ $50 Patron  ☐ $250 Octopress Sponsor

I’m paying by:  ☐ Check ☐ Credit Card: ☐ Visa ☐ MasterCard

Name as it appears on the credit card ____________________________ Credit Card # ______ Exp. Date ______

Please mail this form to: PTMSC, 532 Battery Way, Port Townsend, WA 98368