

The Murreletter

Society for Northwestern
Vertebrate Biology

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February 2002

PRESIDENT'S MESSAGE

The Times Are They a' Changin'?

In the last Murreletter I asked for your input on the idea of the Society expanding its scope to include invertebrate "wildlife" within its taxonomic purview. So far I have received feedback from four members on the subject: 3 of you were very supportive, while one was "sitting on the fence." I'd like to share with you two of those messages, which represent the range of sentiments expressed so far:

"I noted your comments re: expanding SNVB to include invertebrates. I, for one, feel the advantages would outweigh the disadvantages. This is coming from one who has been a member since 1946 and a Vice Pres for Oregon, probably during the 1960s." - *David B. Marshall*

My thinking on the invertebrate question is divided. I really love the vertebrate biology ethos of SNVB. It is a cultural accumulation of people with common interests, and I think that synergy results from interaction between the different divisions of vertebrate biology. I would fear dilution from the inclusion of invertebrate subject matter. I think that an important question would be whether or not there are other good options for publishing invertebrate zoology articles in our region – as good as *Northwestern Naturalist* is for publishing articles on vertebrate zoology. Does *Northwest Science* meet this need? Are there regional invertebrate zoology journals? On the other hand, it would be great to have this constructive, congenial yet professional and credible journal available for publication about invertebrates. I have already thought of about ten ideas since reading your column in *The Murreletter*. (All I need is time...) - *Kathy Merrifield*

Kathy raises some good points that deserve some additional discussion.

1) Does expansion risk diluting the current synergy that exists in the Society? The answer is yes, that is possible.

However, I believe that it is considerably more likely that the change will attract new members with new ideas and facilitate the dissemination of information from which we all as scientists and naturalists will surely benefit. Furthermore, many current SNVB members already are involved in work with invertebrates. Consequently, I find it difficult to imagine that a significant number of our members would be alienated by the inclusion of invertebrates.

We can gain some insight into this question by looking back at what occurred when the Society broadened its vertebrate scope in the early 1990s to include amphibians and reptiles and again in 1999 to include fishes. Certainly the addition of amphibians and reptiles had an enormous and positive effect - membership grew, and the Journal and annual meetings were reinvigorated! While so far the addition of the fishes has not been as dramatic, it has resulted in several interesting and well-attended talks at the annual meetings and a few papers published in the journal. In neither case has there been any negative consequences. I submit that were it not for the changes - especially the amphibians and reptiles, the Society would be both MUCH smaller and significantly less vital than it is today.

2) Are there other outlets for publishing papers on invertebrates? Let's face it: there are considerably more outlets today than there has ever been for publishing scientific articles — this is true for both vertebrates and invertebrates. The

Washington Ornithological Society has taken over much of the bird material the Society (back in the days of the Pacific Northwest Bird and Mammal Society) used to publish in the *Journal*. *Northwest Science* gets a fair number of the larger regional articles on vertebrates as well. Then there are all the national/international "ology"

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journals that suck away many excellent papers as well. So then where do we fit? I believe that our strength, as a regional society, is in providing opportunities where they do not otherwise occur. We can take an existing weakness and turn it to our advantage by having a better educated and enlightened membership, more journal submissions, and additional papers at meetings. I believe that by including invertebrates the Society would accomplish all of these things.

The outlet for papers on invertebrates is smaller than it is for vertebrate papers. Of course there are still the larger national/international Journals such as *Invertebrates* and *The Nautilus*. Other potential outlets include *Canadian Field Naturalist* (for species that occur in Canada), *the Western North American Naturalist* (previously the Great Basin Naturalist). However, I am unaware of a scientific organization in our region that is devoted to publishing peer-reviewed scientific papers and notes on invertebrates. Consequently, the society has an opportunity to fill a vacant niche, much as we did with the amphibians and reptiles in the early 1990s. In addition to *Northwestern Naturalist* providing an outlet for publishing, our meetings can also provide a forum for the presentation of papers. The organization's greatest value is its ability to disseminate information and provide opportunities for our membership to network with other workers around the PNW. I can only imagine that the inclusion of invertebrates will benefit the society, while also helping to facilitate a broader understanding of and appreciation for a more diverse range of fauna that abounds around the PNW.

The Board will continue this discussion at their next meeting. In the meantime I ask you to continue giving this additional consideration, and, please, make your ideas and opinions known to the Board. Before any potential change could be made, the Board will have to approve a motion, which then must be followed by vote of the membership. So stay tuned and let your voice be heard on this!!

Bill Leonard, President

EDITOR'S REPORT

NORTHWESTERN NATURALIST

After the early jump in submissions last year, the rate tapered off this fall so that we ended up about half way (25 manuscripts) between the poor level of submissions in 2000 (19 manuscripts) and the sustaining rates of 1998-99 (>30 manuscripts). But additional good news is that there was a larger proportion (18 of 25) of full-length article manuscripts and a smaller proportion (7 of 25) of general notes, which should translate into more journal pages. Also, the quality of the manuscripts was a bit higher; 10 accepted manuscripts and only 2 rejections so far.

Last year's volume of the journal contained 131 pages, which is only a few pages shorter than my goal of about 140 pages per volume. The bottom line, however, as several presidents and I have pointed out, is that it is very important to turn those many presentations given at our annual meeting into manuscripts submitted to our own journal.

Burr Betts, Editor Northwestern Naturalist

SNVB ANNUAL MEETING UPDATE

April 3-6, 2002
Hood River, Oregon

For information, contact: Cathy Flick – stewart@gorge.net;
(509) 493-1195

MEETING AT A GLANCE			
Time	Wednesday April 03	Thursday April 04	Friday April 05
8:30am	Workshop - Part I Survey & Manage Salamander Workshop in the classroom.	Welcome & Keynote address	Concurrent sessions
10:00am		<i>Coffee break</i>	<i>Coffee break</i>
10:30am		Plenary Session	Concurrent sessions
12:00pm	<i>Lunch break</i>	<i>Lunch</i> General Meeting, Poster & Mentoring sessions	<i>Lunch</i>
1:00pm	Workshop - Part II Survey & Manage Salamander Workshop in the field.		Concurrent sessions
2:00pm		<i>Coffee break</i>	
3:00pm		Concurrent sessions	
3:30pm		Concurrent sessions	
5:00pm			
5:30pm	Board Meeting	Banquet at Hood River Inn Gorge Room	
7:00pm	Social at Horsefeathers Brew Pub and Grill in Hood River		

And Field Trips on Saturday!!!

We will beholding either a silent auction or a raffle at the meeing. Please start thinking of quality items to donate for this event! Contact Cathy with your contributions.

INLAND REGION REPORT:**Cougars in an Industrial - Suburban Landscape in Utah**

By David C. Stoner, Graduate Research Assistant

Utah State University, in cooperation with the Utah Division of Wildlife Resources, is conducting research on the cougar population in the Oquirrh Mountains of north-central Utah. This small and semi-isolated mountain range lies at the eastern edge of the basin and range geographic province, and forms the western boundary of the Salt Lake Valley. The study area encompasses all of the Camp Williams Military reservation, and the properties owned by the Kennecott Copper Corporation, which combined covers approximately 500 km². The project is under the direction of Dr. Michael Wolfe, professor in the Department of Fisheries & Wildlife at USU, and is now entering its 6th year.

The objective of this study is to examine movement patterns and prey selection of cougars in and around the urban-wildland interface. We are interested in cougar use of small-scale habitat corridors that may serve as conduits for hunting forays outside of their traditional habitat. Radio-telemetry data collected thus far indicate that spatially, the selection of prey may vary by season and reproductive status. Some of the resident ungulate herds winter in agricultural lands buffering the greater Salt Lake metro area from the industrial properties in the foothills of the Oquirrhs. Much of this agricultural land is being converted to subdivisions, and conflicts between wildlife and suburban residents are increasing, therefore we hope to document cougar spatial use patterns before this land is completely developed.

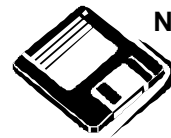
During the course of this study we have learned a great deal about this particular cougar population. For instance, despite the presence of humans and industrial infrastructure, the female cougars on this site live relatively long lives - 10+ years - probably due to the lack of public access and associated hunting pressure. Many of these animals use culverts to travel around and underneath mining facilities, in addition to using these structures as diurnal rest sites. They have also been found to repeatedly use railroad underpasses to cross a major highway, and have utilized tractors and other heavy equipment as cache sites for prey items where cover is sparse. From our preliminary data, this population appears to be fairly robust reproductively, socially stable, and able to not only acclimate, but derive some benefits from certain human modifications to the environment.

In order to address these questions in finer detail we are currently experimenting with GPS radio telemetry. These radio-collars are equipped with an internal GPS unit that is programmed to record animal locations at intervals determined by the investigator. We plan to document

nocturnal travel and predation sequences of a select group of previously monitored animals by using this technology to obtain multiple locations/day throughout the course of a year. Data will be downloaded remotely on a weekly basis and the locations ground-truthed in an effort to collect more temporally consistent data on movement and prey use.

We are excited to continue our work using this new research technique. The management of controversial species existing on habitat patches bordering human settlements is a problem relevant to many communities in the West. We hope to identify the factors that both hinder and benefit cougar populations inhabiting fragmented and human dominated landscapes, as this information may be applicable to management dilemmas elsewhere.

Questions/comments e-mail: dstoner@cc.usu.edu

**NEWSLETTER SUBMISSIONS**

The next *Murreletter* will be out in mid-June. **Members are encouraged to submit articles or information.** All topics relating to vertebrate biology are welcome (web sites, job opps., upcoming conferences, wildlife sightings, etc.). This helps prevent your secretary from suffering too much stress trying to obtain newsletter items from your other Board members. I'm also on the lookout for small sketches to liven the "white space" in the newsletter. I've been using a few of my own, but I'm sure we have talented artists out there who might have something to contribute!

Please submit all information by *15 May 2002* to the Secretary, Laura Friis (address at end of this newsletter). Electronic copies preferred (Microsoft Word, WordPerfect, or rich text format). Hard copies or diskettes will also be accepted.

ELECTION 2002 – SNVB EXECUTIVE BOARD

Terms are coming to an end for several executive board positions. We have many qualified nominees that are ready to step in or continue their involvement with the Society. Brief biographic sketches for nominees are printed below. Please be sure to vote by sending in the enclosed ballot. Election results will be announced at the annual meeting in Hood River.

Vice-President Nominees – Oregon:

Janet Erickson

Janet received her B.S. in Biology from Pacific Lutheran University and her M.S. and Ph.D. in Wildlife Science from the University of Washington. She currently lives and works in Corvallis, Oregon. Her present position is with the Cooperative Forest Ecosystem Research (CFER) program, a cooperative venture between Oregon State University, USGS Forest and Rangeland Ecosystem Science Center, the Bureau of Land Management, and the Oregon Department of Forestry. The program was created to develop and convey reliable scientific information needed to successfully implement ecosystem-based management in the Pacific Northwest. She coordinates the information exchange and outreach portion of the program, and is responsible for communicating the research results to land managers and other audiences. When Janet isn't working, she enjoys hiking and mountain biking in the Coast Range, and hanging out with her dog.

Janet has been involved with the Society for many years. She feels it provides her with a support system of people with whom she has shared scientific knowledge and interests, and developed friendships. She looks forward to the opportunity to become more involved in the Society's leadership and helping to shape its future.

Wendy H. Wentz

Wendy completed her B.S. in Zoology at Miami University in Oxford, Ohio in 1992. In June 2001 she finished her Ph.D. in Ecology and Evolution with an Area Certificate in Animal Behavior from Indiana University in Bloomington, Indiana. Wendy's dissertation research focused on color change and mate choice behavior in Pacific treefrogs (*Hyla regilla*). Her work included field surveys of frog color frequency and mate color choice in a population on Vandenberg Air Force Base in southern California. She also studied background substrate color choice by frogs in the laboratory at Indiana University as well as the visual physiology responsible for sensitivity to color in individual frogs.

Since April 2000 Wendy has worked with Dr. R. Bruce Bury and Dr. Michael Adams at the USGS Forest and Rangeland Ecosystem Science Center in Corvallis, Oregon. She is a project leader for the Amphibian Research and Monitoring Initiative, a program implemented to determine the status of amphibian populations throughout the United States and investigate possible causes of amphibian population decline. Wendy is responsible for research on amphibian populations in eastern Oregon and Washington as well as northern

Nevada. Her research includes revisits to locations noted for amphibian presence historically, individual population characterization through mark and recapture, as well as the establishment of a long term monitoring program for populations of amphibians located in southeastern Oregon.

Treasurer Nominees:

Heidy Peterson Barnett

Heidy Peterson Barnett completed her masters degree last spring at the University of British Columbia in the faculty of forestry. She conducted a study examining larval community interactions of the Oregon spotted frog and the red-legged frog and how the species ecological relationship may be considered in planning recovery and reintroduction of Oregon spotted frogs in southwestern British Columbia. Currently she has moved back to the US and is working for the City of Seattle on various fisheries, riparian, and amphibian activities in the Cedar River Watershed. Prior to returning to graduate school, Heidy worked for a timber company as part of a crew working on stream breeding amphibian research projects, terrestrial amphibian monitoring, small mammal and flying squirrel live trapping and fisheries related projects. She also volunteered for the Washington State Department of Fish and Wildlife working on the Oregon spotted frog monitoring project near Olympia, WA. She attended last year's SNVB meeting in Victoria and looks forward to being involved with the society in the future.

Julie Grialou

Julie received her Master's degree in Wildlife Science from the University of Washington in 1995. At the UW, she conducted research on the effects of clearcutting and thinning on terrestrial salamanders. Since that time, she has worked at a non-profit forest stewardship organization and is currently working at an environmental consulting firm in Kirkland, WA. In the last several years, her projects have involved a variety of taxa, but amphibians still hold a special place in her heart. Besides working, she actively pursues a variety of outdoor activities and spends an inordinate amount of her time training in the martial arts. She is excited about the potential opportunity to play a more active role in the SNVB through serving as treasurer.

Trustee nominees:

Tara Chesnut

Tara earned her BSc, with a focus in Wildlife Biology, from The Evergreen State College in 1996. She has seven years experience working with vertebrates, primarily in the Pacific

Northwest. She has worked most closely with amphibians, reptiles, birds of prey and song birds. Her major professor, Steve Herman, introduced her to SNVB. She presented a poster at the 1997 meeting in Yakima, was involved in the planning of the 1998 meeting in Olympia and coordinated the Small Mammal Workshop. In 1999, at the Ashland meeting, she assisted with last minute staffing and worked on the photo and art contest. At this year's meeting in Hood River, she will be coordinating field trips. In the trustee position, she hopes to build on membership and recruitment, provide training opportunities, and continue to grow and foster professional relationships between government agencies and the private sector, locally and internationally.

Jim Rochelle

Jim is owner / manager of Rochelle Environmental Forestry Consulting, doing consulting work dealing with the integration of forest management with wildlife and other non-timber resources.

He received his BSc and MSc degrees in Wildlife Biology, at Washington State University, and his PhD in Forest Wildlife Ecology at the University of British Columbia. Jim spent 29 years in environmental research with Weyerhaeuser Company. Positions included Senior Wildlife Biologist, and Manager, Environmental Forestry Research and involved research on the relationships of forest

management to fish, wildlife and water quality on Company land in the Pacific Northwest and Southeastern United States.

Consulting activities over the past 3 years have included development of management plans for endangered species protection, participation in the development of landscape-level forest resource management plans for both public and private lands, technical involvement and advice in support of private and state agency resource communications, participation in advisory councils on forest productivity and biodiversity, wildlife assessments of planned developments, and synthesis and presentation of scientific information on selected forestry-wildlife issues. A recent scientific effort involved organizing and conducting a conference on forest fragmentation, and serving as senior editor for a resulting peer-reviewed book published in July, 1999.

He is an affiliate professor at the University of British Columbia and a member of the Wildlife Society. He served as chair of Washington State's Timber, Fish and Wildlife Research and Monitoring committee from 1987-1997. He has participated in numerous technical committees, symposia and other forums dealing with the environmental aspects of forestland resource management and has authored a number of technical papers on this subject.

**BALLOT – SNVB EXECUTIVE BOARD
PLEASE VOTE**

Vice President – Oregon (check 1)

Janet Erickson _____

Wendy Wente _____

Write In _____

Write In _____

Treasurer (check 1)

Julie Grialou _____

Heidy Peterson-Barnett _____

Write In _____

*Please send or email completed ballot
to: Sally Butts
Quinault Indian Nation, PO Box 189
Taholah, WA 98587
e-mail sbutts@quinault.org*

Trustee (check 1)

Tara Chesnut _____

Jim Rochelle _____

JOB NOTICES

1. Possible positions with the USDA Forest Service, PNW Research Station, Forestry Sciences Laboratory, Olympia, WA, for Lawrence L. C. Jones (Lead Biologist, contact email ljones02@fs.fed.us).

NOTE: Apply directly to the Boise temporary employment office (<http://www.fs.fed.us/people/employ/asap/>), select the Pacific Northwest Research Station, Olympia Forestry Sciences Lab as the location, even though the field positions will not be located in Olympia (there is a remote duty station). Other positions for the Olympia Forestry Sciences Lab will be available and, by default, you will be applying for any and all GS-05 technician positions at the Lab. If you are specifically interested in one or more of the studies below, please contact L. Jones with your name and social security number (do not send resume or application material to L. Jones), so that he can submit a name request to help you get on the list of eligible candidates. It is possible that we may also be interested in intern positions or perhaps a crew leader position.

Biological Technicians, GS-404-05 (Wildlife), full-time, temporary, 6-month (1039 hr) positions. Late April/early May through end of September. Riparian and headwater stream ecology studies. These are field positions, with remote duty stations. Housing will probably be provided, but will probably require a partial payment from the employee.

(1) Stream-associated Amphibian Microhabitat Study (SAMS). This study is an investigation into microhabitat affinities and mechanisms of coexistence among amphibian species from 3 areas of Western Washington (southern Cascades, Willapa Hills, and Olympic Peninsula). Two positions may become available for this project. Duty station will be in the southern Washington Cascades (probably Randle area), but some travel may be necessary. Duties include terrestrial streambank surveys for amphibians in the spring and in-stream surveys for amphibians in the summer. For more information on this study, please view an annual report at <http://www.fs.fed.us/pnw/olympia/wet/2000/sams.htm>.

(2) Riparian Ecosystem Management Study (REMS): Experimental Manipulation Phase. This is research on the effects of streamside habitat management on stream-associated vertebrates, invertebrates, plants, and physical attributes. Duties may include sampling fishes, invertebrates, stream-dwelling amphibians, near-stream amphibians, birds, mammals, and aquatic and terrestrial plants and invertebrates. The initial phase is pre-treatment sampling; post-treatment sampling will be done after stand- to basin-level timber harvest. Duty stations have not been determined yet, but will likely include the Willapa Hills of southwestern Washington and/or the west side of the Olympic Peninsula.

An earlier phase of this project can be viewed at the following link:

<http://www.fs.fed.us/pnw/olympia/wet/1999/riparian.htm>.

NOTE: field personnel may actually be involved in both of these studies or spend some time in the lab.

Biological Technician, GS-404-05 (Wildlife), full-time, temporary, 6-month (1039 hr) position. Spring-summer laboratory work in Olympia, WA (starting and ending dates can be more negotiable for this position than for field positions). We cannot provide housing in Olympia, as it is not a remote duty station, so it is up to the employee to find and pay for their own housing. Duties will include marten (*Martes americana*) necropsies, entering and proofing data, photo-interpretation of Pacific giant salamanders (*Dicamptodontidae*), and other duties as assigned. For more information on the marten study (no longer any field work), see the annual report at http://www.fs.fed.us/pnw/olympia/wet/1998/chem_marten.htm. For information on the Pacific giant salamander study, see the SAMS annual report at <http://www.fs.fed.us/pnw/olympia/wet/2000/sams.htm>.

2. Port Blakely Tree Farms, L.P., a privately owned timber company in western Washington is currently seeking seasonal wildlife technicians for the 2002 field season.

Duties will consist primarily of conducting stream surveys using electro-shocking and visual survey techniques to determine fish distributions, aquatic habitat inventories, riparian habitat assessment, and amphibian surveys in Oregon and western Washington. Position will also entail assisting wildlife staff with research projects and other duties as assigned. Dates of employment: March - August 2002 (term of employment not to exceed 1000 hours). Salary: competitive and commensurate with experience and education.

Successful applicants must: 1) be able to hike for extended periods in rough terrain, pack moderate loads, wade in streams, often in inclement weather conditions; 2) be able to work independently or in groups; 3) be enthusiastic, responsible and self motivated; 4) possess a valid driver's license; Preference will be given to candidates with prior experience in field work.

To apply: submit a letter of interest, resume, and the names and phone numbers of 3 references to: Blake Murden, Port Blakely Tree Farms, 7515-A Terminal Street SW. Tumwater, WA 98501 email: bmurden@portblakely.com ph. (360) 570-7127

Deadline for application: February 10, 2002, or until positions filled.

3. Longview Fibre Company has two positions available for temporary summer help (not to last more than 6 months) in the area of Wildlife/Fisheries.

Duties: 1) Establish and operate amphibian and small mammal trapping arrays, capture-mark-release amphibians and small mammals, and sample vegetation, soils, and microclimate at trapping arrays; 2) Sample streams for aquatic salamanders, assisting with internal projects and Washington Department of Fish and Wildlife projects; 3) Conduct fish presence/absence surveys with electrofishing or snorkeling, spawning salmon surveys, smolt outmigration surveys, and in-stream fish habitat inventories; 4) Establish and operate Breeding Bird Survey routes, and characterize vegetation at survey stations; 5) Establish and run scent-station survey routes; and 6) Data compilation, analysis, and reporting.

Qualifications: At least a Junior standing in Wildlife, Fisheries, Zoology or Natural Resources curriculum. Completion of Ichthyology, Herpetology, Ornithology, Mammalogy and survey/sampling courses. Ability to work as a team member/leader with minimal supervision in rugged terrain and during adverse weather conditions. Knowledge of habitats and taxonomy of northwest fish, amphibian, bird, mammal, and plant species required. Relevant experience highly desirable. Housing not provided.

To apply: Send resume, cover letter and unofficial transcripts to: Carlene M. Cox, Longview Fibre Company, PO Box 639, Longview, WA 98632 (No Phone Inquiries Please) Please respond by March 1, 2002.

4. Possible Biological Technician and Wildlife Biologist with emphasis on Field Herpetology.

USGS Forest and Rangeland Ecosystem Science Center, Corvallis, Oregon. We likely will hire several GS-5 and a few GS-7 seasonal biologists to study and survey for amphibians on three projects: (1) Amph. Research Monitoring Initiative field sites in eastern Oregon, perhaps into northern Nevada; (2) Effects of fire on stream amphibians mostly in southern Oregon; and (3) Klamath Network National Park units in no. Calif. and so. Oregon. Positions may have the duty station in Corvallis or in more remote locales. Announcement will be posted starting in February through the spring. Most require work starting in March-May and then through the summer.

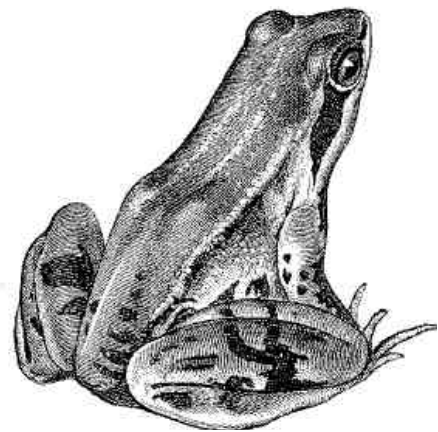
If interested, please contact RB Bury (below) by email. Note: that this is not an official announcement, and applications are only accepted once they are posted on the USGS OARS - Online Automated Recruiting Service; locate positions and register at US Geological Service employment page at <http://www.usgs.gov/ohr/finding.html>). All positions are listed there as they are developed.

The federal government is an equal opportunity employer. This agency provides reasonable accommodation to applicants with disabilities.

R. Bruce Bury, Zoologist; USGS Forest and Rangeland Ecosystem Science Center; 3200 SW Jefferson Way; Corvallis, OR 97331 (541) 758-7788 FAX (541) 758-7761

email: Bruce_Bury@usgs.gov

Mud...Frogs...!



5. Red-legged frog Conservation Biology Research Position Spring and Summer 2002

Seeking motivated **Bioscience Research Technician (March 18 to Aug. 9, flexible)** to assist in the study of movements and survival of Northern red-legged frogs on the Oregon Coast. Duty station is Newport, Waldport or vicinity. Candidates should have an interest in herpetology, wildlife population studies, or conservation. Expect eight weeks of drift fence and pitfall trap installation followed by daily trap checks, handling live animals, behavioral observations, and data entry. The work is full time (40 hours/week), physically strenuous and will occur under field conditions. Preference will be given to applicants with experience raising or handling amphibians. Wages are \$9.05/hr (approximately \$1448/month). **To apply, send letter of interest, resume, and names, phone numbers and e-mail addresses of three references to Nate Chelgren, Dept. of Fisheries and Wildlife, 104 Nash Hall, Oregon State University, Corvallis, OR 97331** (chelgren@onid.orst.edu). **Accepting applications until Feb. 20, or until suitable applicant is found.**

EXECUTIVE BOARD 2001-2002

President: *William Leonard*, 223 Foote Street NW, Olympia, WA 98502. (360) 357-5030; E-mail: mollusca1@attbi.com.

Vice-President for Washington: *Brad Moon*, Department of Biology, PO Box 42451, University of Louisiana at Lafayette, Lafayette LA 70504-2451; Phone: 337-482-5662 Fax: 337-482-5660; E-mail: BradMoon@louisiana.edu.

Vice-President for Oregon: *Deanna H. Olson*, PNW Research Station, 3200 SW Jefferson Way, Corvallis, OR. (541) 750-7373; E-mail: dedeolson@fs.fed.us.

Vice-President for Northern Region: *Elke Wind*, E. Wind Consulting, 2906 West 3rd Ave. Vancouver, BC V6K-1M7; E-mail: ewc@telus.net

Vice-President for Inland Region: *Rebecca Thompson*, 157 South 100 East, Logan, UT, 84321; (435) 787-2692; E-mail: dojama@cc.usu.edu.

Vice-President for Southern Region: *Hartwell H. Welsh, Jr.*, Redwood Sciences Laboratory USDA Forest Service, Pacific Southwest Research Station, 1700 Bayview Dr., Arcata, CA 95521. (707) 825-2956; E-mail: hwelsh@fs.fed.us.

Treasurer: *Kelley K. Jorgensen*, PMB 306 11505 N.E. Fourth Plain Blvd. #F-1, Vancouver, WA 98662. (360) 905-2170; fax (360) 905-2177; E-mail: jorgenk@wsdot.wa.gov.

Secretary: *Laura Friis*; Biodiversity Branch, P.O. Box 9374, Stn. Prov. Govt., Victoria, BC, Canada V8W 9M4; (250)387-9755; fax (250) 356-9145; E-mail: Laura.Friis@gems8.gov.bc.ca.

TRUSTEES

Sally Butts, Quinault Indian Nation, P.O. Box 189, Taholah, WA 98587, (360)276-8211, fax (360)276-4181, E-mail: sbutts@quinault.org.

Brent Matsuda; c/o Foster Wheeler Environmental, 3947 Lennane Drive, Ste. 200, Sacramento, CA 95834. (916)928-4836. Email: bmatsuda@fwenc.com.

Catherine Flick, USDA Forest Service, P.O. Box 32, White Salmon, WA 98672. (509)493-1195; E-mail: stewart@gorge.net.

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Webmaster: *Brian Biswell*, Olympia Forestry Sciences Laboratory, Pacific Northwest Research Station, 3625 93rd Avenue SW, Olympia WA 98512-9193. (360)753-7695; fax: (360)956-2346; E-mail: bnbnc@olywa.net.

**THE SNVB WEBSITE
Has Updated Meeting Info
Check It Out!!
<http://www.eou.edu/snvb>**

Society for Northwestern Vertebrate Biology Membership Form

Name: _____
Affiliation: _____
Address: _____

City: _____ State: _____ Zip: _____
Phone: _____ Fax: _____
E-mail: _____

Membership Category (check one)
 Student (\$12 annual dues)
 Regular (\$20)
 Additional family member (\$10)
 Contributing (\$30)
 Sustaining (\$45)
 Life (\$300 one-time payment)
 Institutional (\$50)

Mail your payment (US funds) and this application form to
Kelley Jorgensen, Treasurer SNVB, PO Box 61526,
Vancouver, WA 98666-1526

Renewal ____ or New Member ____ (check one)

Area of Interest/Expertise _____
