



# The Murreletter

Society for Northwestern  
Vertebrate Biology

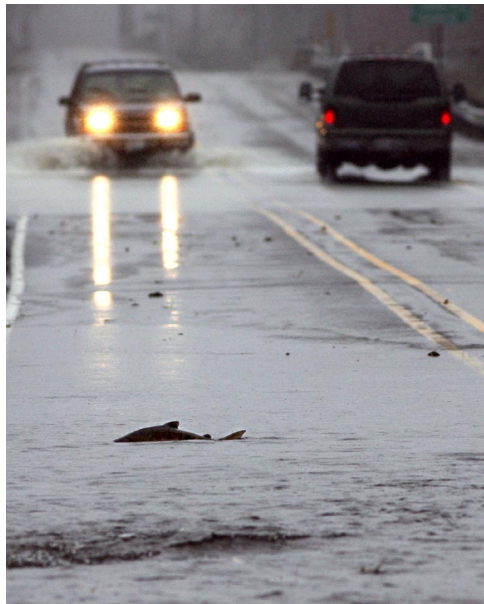
Volume 14, No. 3

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## President's Message

Hello All:

Many of us in the northwest have been enjoying/surviving some record-setting rains, floods, windstorms, and power outages this fall. While the weather does not lack for drama, it does leave you wondering when it might stop and what might be next: locusts, asteroids? Welcome to the new climate. While some Puget Sound commuters were stopped cold by the flooding, a few stranded motorists jealously watched chum salmon making pretty good time finning across Highway 101 at the Skokomish River. Other Puget Sounders gasped as the large and small pieces of a neighbor's house skipped and splashed down a burgeoning Skykomish River. In the new



*Chum salmon swimming across Hwy. 101. Photo by Steven M. Herppich / The Olympian.*

climate, location may really be everything.

Nonetheless, some northwest destinations are lovely no matter the weather. For instance, Victoria, BC, is a wonderful place to spend a day, a week or longer, rain or shine (they didn't pay me to say that), and that is exactly what we plan to do this February

21st-24th. It looks like it's going to be a conference quite unlike others we've had. There are going to be some wild topics and some unusual sessions coming at you, and there is no telling how it's going to play out. Don't even consider missing it. Best to register now and get prepared for it.



*Victoria's inner harbor at dusk. Photo courtesy of Tourism Victoria.*

As the conference approaches, there are a ton of activities that the planning committee and the members are developing and executing. The election of the officers on the board is one of those activities. I have been lucky enough to participate on the board as a trustee and as the president. I wanted to be on the board for two reasons: I like what SNVB is about (see "Who We Are" on page 2) and I really enjoy spending time with the folks that make up SNVB (i.e., you). Being on the board is a great opportunity to work and strategize with a great group of people, and you can help shape the annual conference and SNVB as a whole. There will be an election at this year's conference for several board positions and I encourage interested folks to consider participating as a board member. Of course there's work involved, but it's the good kind and there are rewarding results. Don't hesitate to talk with me or other board members if you have questions or an interest in being on the board. Also, if you would like to get involved with the planning and execution of this year's conference, please contact Northern Region Vice President, Elke Wind (contact info on pages 2 and 6), who is very busy leading the planning committee and would be happy to have your help. I look forward to seeing you in Victoria in February.

*-Happy Holidays  
Jeff*

## Society for Northwestern Vertebrate Biology

*...the oldest scientific association devoted to the study of  
terrestrial vertebrates in the Pacific Northwest*

- established in 1920

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### Who we are...

The Society for Northwestern Vertebrate Biology was founded in 1920 as the Pacific Northwest Bird and Mammal Society. Long recognized as the pre-eminent union of ornithologists and mammalogists in the Pacific Northwest, the society adopted its current name in 1988 to reflect an expanded taxonomic scope that included amphibians and reptiles. The scope expanded again in 1999 to include fish. Today the society strives to promote close working relationships among ornithologists, mammalogists, herpetologists, and ichthyologists in our region; foster exchange of scientific information and interest in the study of vertebrates; and offer a forum for these activities through meetings and publications.

### Membership

All persons or institutions interested in the study of birds, mammals, amphibians, reptiles, and fishes are eligible for membership. Individual members receive the Northwestern Naturalist and the Murreletter, our newsletter. Other SNVB publications, such as Northwest Fauna, are available at a reduced rate. Other privileges of membership include notification of all SNVB meetings, power to vote in SNVB meetings and elections, and participating as a member of the SNVB board.

**For more information or to  
become a member visit  
<http://www.snwvb.org>**

### The Murreletter

The Murreletter is published three times yearly and is distributed to the members of the Society of Northwestern Vertebrate Biology. Submission of stories, meeting announcements, and other material of interest to members of the society is encouraged. Submissions should be sent to the Murreletter Editor, Kathryn Ronnenberg. To receive the Murreletter electronically, which is strongly encouraged, please provide your current email address to SNVB Treasurer Julie Grialou.

## Fifty Years Ago in *The Murrelet* - Steve Herman, The Evergreen State College

Our organization is the descendant of the Pacific Northwest Bird and Mammal Society, and our journal was previously titled *The Murrelet*. Its scope was obviously narrower than the present *Northwestern Naturalist*, but it was a pioneering publication, and current members of SNVB might be interested in some of the topics and emphases in the 29 articles published in the three numbers of the 1956 *Murrelet*.

Twenty-two papers concerned birds, six reported on mammals, and one paper was an obituary. Most papers were short notes on unusual sightings, range extensions, or local check-lists.

But (as I learned several years ago when I was researching a talk for the 75th Anniversary dinner) things change less than we might predict:

- J.A. Munro reported on two Barred Owl specimens recently collected in southern British Columbia.
- Frank Richardson reported on "Seabirds affected by oil from the freighter *Seagate*", which ran aground on 6 September 1956. White-winged Scoters (estimated 138.5-336 dead or dying birds per beach mile) and Common Murres (56.5-138/beach mile) were most affected.

And, as a harbinger of those distant times, R.Y. Edwards weighed in on the potential importance of television aerials (then, of course, a new landscape feature) to the future well-being of Band-tailed Pigeons, commenting, "Apparently these tall aerials are acceptable facsimiles of the top branches of high, dead trees", and suggesting that the aerials might be "...a factor in maintaining native pigeons as a suburban bird."

Two papers described behavior: Zella Schultz on Calliope Hummingbird behavior and John Campbell on Golden Eagle foraging behavior near Yakima.

Curiosities included notes on a white Muskrat from Baker County, Oregon, and a Wood Duck nesting record from southeastern Oregon. Three of the papers (essentially ten percent of the total) were articles on inland records of White-winged and Surf Scoters!

More substantive papers described means of calculating duck mortality from band recoveries, changing breeding populations of pelagic birds in the Gulf of Georgia, and the abundance of large (mammalian) predators in British Columbia.

Geographically, articles covered areas from British Columbia east to Idaho and south to northwestern California.

Some editorial patterns are obvious: Capitalization of English species names was inconsistent (a surviving characteristic), even within numbers of the journal. Bird names were capitalized about half the time, while mammal names were only occasionally capitalized.

Sight records were always so designated, and it is obvious that many observers – although they probably used binoculars – carried and relied on shotguns to substantiate observations of unusually distributed birds.

Fifty years ago I was a high school senior on the brink of my freshman year at San Jose State College. I spent much of that school year in the library, reading current and recent back-issues of then contemporary journals. *The Murrelet* was one of my favorites, in part because I could find there notes describing sightings (and collections) of Gyrfalcons in eastern Washington.

An occasional session with a couple of stacks of old journal issues can do much to frame and improve our current perspectives; my experience has been that such an exercise is especially valuable for young students.

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### 2007 Meetings of Interest

American Institute of Biological Sciences  
14-15 May 2007, Washington, DC  
"Evolutionary Biology and Human Health"  
<http://www.aibs.org/annual-meeting/>

Northwest Section of The Wildlife Society  
18-20 March 2007, Canmore, Alberta  
Hosted by the Alberta Chapter  
[http://www.wildlife.org/sections/nw/oct06\\_newsletter.pdf](http://www.wildlife.org/sections/nw/oct06_newsletter.pdf)

American Society of Mammalogists  
6-12 June 2007, Albuquerque, New Mexico  
<http://asm007.unm.edu/>




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Joint Meeting of Ichthyologists and Herpetologists  
11-16 July 2007, St. Louis, Missouri  
<http://www.dce.k-state.edu/jointmeeting/>

American Ornithologists Union  
8-11 August 2007, Laramie, Wyoming  
<http://www.aou.org/meetings/2007/index.php3>

American Fisheries Society  
2-6 September 2007, San Francisco, California  
<http://www.fisheries.org/afs2007/>

Students see **page 11**, you may be eligible for a travel grant to attend these and other meetings through AIBS...

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## Announcing: Herpetological Conservation and Biology - the first issue

The editorial staff of Herpetological Conservation and Biology announces the release of the inaugural issue on September 27, 2006. The first issue is 70 pages long and contains 12 articles. We proudly invite everyone to peruse the articles posted on the journal website (<http://www.herpconbio.org>) and welcome feedback that might help improve the journal. Herpetological Conservation and Biology is an international open-use electronic journal published in partnership with PARC and the World Congress of Herpetology. All material except Editorials and Announcements receives anonymous peer review. The current acceptance rate for submitted articles is ca. 50%. There are no page charges or download fees for HCB users. Print versions of HCB are planned for release at the end of each year. The journal is indexed by BioAbstracts and Zoological Record. The current editorial staff is around 60 members and there are plans to expand the International presence this fall. If you have any questions or comments regarding the journal or its operations please contact any member of the editorial staff.

Below is a linked list of articles appearing in this first issue of Herpetological Conservation and Biology.

*Sincerely,*

R. Bruce Bury, Editor-in-Chief ([buryb@herpconbio.org](mailto:buryb@herpconbio.org))  
 Malcolm L. McCallum, Managing Editor  
 ([Malcolm.mccallum@herpconbio.org](mailto:Malcolm.mccallum@herpconbio.org))  
 Raymond A. Saumure, Technical and Copy Editor  
 ([insculpta@herpconbio.org](mailto:insculpta@herpconbio.org))  
 Stanley E. Trauth, Special Sections Editor  
 ([strauth@herpconbio.org](mailto:strauth@herpconbio.org))

### Contents : Volume I, Issue I

#### **Editorial**

Dawning of Herpetological Conservation and Biology: A Special Introduction to Your New Journal.

*R. Bruce Bury, Malcolm L. McCallum, Stanley E. Trauth, and Raymond A. Saumure*

#### **Invited Forums**

Ecological Succession on a Natural Area in Northeastern Kansas from 1948 to 2006. -- *Henry S. Fitch*

Dilemma of Name-Recognition: Why and When to Use New Combinations of Scientific Names

*Hobart M. Smith and David Chiszar*

HerpSpectivesRoad Surveys for Turtles: Consideration of Possible Sampling Biases -- *David A. Steen and Lora L. Smith*

#### **Research Articles**

Evidence of a New Niche for a North American Salamander: *Aneides vagrans* Residing in Old-Growth Redwood Forest Canopy

*James C. Spickler, Stephen C. Sillett, Sharyn B. Marks, and Hartwell H. Welsh, Jr.*

Sexual Differences in the Ecology and Habitat Selection of Western Toads (*Bufo boreas*) in Northeastern Oregon. -- *Evelyn L. Bull*

Habitat Suitability for Reptiles in the Gorvan Sands Sanctuary, Armenia. -- *Tigran L. Tadevosyan*

Status and Geographic Expansion of the Mediterranean Gecko, *Hemidactylus turcicus*, in Louisiana: Implications for the Southeastern United States.

*Walter E. Meshaka, Jr., Samuel D. Marshall, Jeff Boundy and Avery A. Williams*

A Novel Facultative Mutualistic Relationship Between Bufonid Tadpoles and Flagellated Green Algae

*Renn Tumlison and Stanley E. Trauth*

Natural History, Field Ecology, Conservation Biology and Wildlife Management: Time to Connect the Dots -- *R. Bruce Bury*

Publication Trends of Natural History and Field Studies in Herpetology -- *Malcolm L. McCallum and Jamie L. McCallum*

#### **Classics in HCB**

A Personal Glimpse into Natural History and a Revisit of a Classic Paper by Fred Cagle -- *Stanley E. Trauth*

Complimentary PDF reprint of "An Outline for the Study of a Reptile Life History." (Originally published in Tulane Studies of Zoology and Botany) -- *Fred Cagle*

### Conference Announcement: Riparian Management in Headwater Catchments: Translating Science into Management

A conference to be held at the University of British  
Columbia, Vancouver, Canada  
19 to 21 February 2007

See <http://faculty.forestry.ubc.ca/richardson/RiparianManagementConference.htm> for more details, or contact Dr. John Richardson ([jrichard@interchange.ubc.ca](mailto:jrichard@interchange.ubc.ca)) at the University of British Columbia.

Note: this is the weekend just prior to the 2007 SNVB meeting, and just a short ferry ride away.

## CALL FOR PAPERS and REGISTRATION INFORMATION



### Joint Annual Meeting of the Society for Northwestern Vertebrate Biology

in conjunction with

Northwest Scientific Association

Northwest Lichenologists

**February 21-24, 2007**

Harbour Towers Hotel and Suites, 345 Quebec St., Victoria, BC



## PREPARING FOR THE UNPREDICTABLE: CONSERVATION AND COMMUNICATION NEEDS IN THE 21ST CENTURY

Symposium and Workshop - 21 February, 2007 (Wed.)

### *Symposium – Panic, Pandemics, and Poisons*

Emerging infectious diseases and toxics are pressing issues for wildlife professionals. This one-day symposium will provide current information regarding the implications of emerging infectious diseases and toxics for wildlife and ecosystem management, wildlife and human health perspectives, media representation of the issues, and recommended safe practices to avoid exposure and/or spread. Experts in emerging infectious diseases and toxics will present their research on the following topics: Avian Influenza, West Nile Virus, Hantavirus, Chytridiomycosis, Amphibian Limb Deformities (Trematodes), Pesticides (Glyphosate and Atrazine), Petrochemicals (Oil Spills), and Lead Shot. We will also discuss the accuracy of media presentations, public perception and effectiveness of government policies.

### *Workshop – Graphic Design and Communication Skills for Science Publishing and Presentations*

Effective communication is essential for wildlife researchers and managers for teaching, publishing, funding and grant proposal writing, litigation issues, and for gaining support by local lobbyists, politicians, and the general public. This six-part workshop on graphic design and communication skills for oral presentations, printed materials, Power Point presentations, posters, and cartography for scientific publications and presentations will help improve your communication skills. Part of the workshop will include an opportunity for an expert critique of participants' work.

Regular Meeting - 22-23 February, 2007 (Thurs. & Fri.)

### *Keynote and Plenary Speakers:*

**Dr. Daniel Simberloff** has been in the forefront of ecological issues for over 3 decades. From his days as a grad student under E.O. Wilson, Dr. Simberloff has led the charge on island biogeography and extinction processes, reserve design and the SLOSS debate, wildlife corridors, community ecology, and invasive species. (<http://eeb.bio.utk.edu/simberloff.asp>)

**Nancy Baron** is the Ocean Science Outreach Director for SeaWeb and the lead communications trainer for the Aldo Leopold Leadership Program at Stanford University. With a foundation in biology, Nancy was the former Director of Education for Vancouver Aquarium, a natural sciences columnist for the Vancouver Sun and Global TV, a Discovery Channel host, and has won awards for freelance writing science features.

**Dr. Tyrone Hayes** is a professor at the University of California, Berkeley. He is well known as an herpetologist extraordinaire, renowned for his work on effects of endocrine disrupting substances on reed frogs of Africa. (<http://www.nationalgeographic.com/emerging/tyroneHayes.html>)

**Dr. Richard Hebda** is the curator of Botany and Earth History at the Royal British Columbia Museum, Victoria, BC and an adjunct professor at the University of Victoria. Dr. Hebda's many areas of expertise include vegetation and climate history of British Columbia, ethnobotany, and climate change and its impacts.

*Planned session topics include:*

- Marine Species at Risk
- Planning for Climate Change
- Invasive Species Management and Mitigation
- Transportation and Wildlife Linkages
- Monitoring and Sampling Cryptic or Elusive Species: Novel Approaches and New Data
- Conservation of Wide-ranging and Poorly Known Carnivores
- Wetland Compensation and Mitigation
- Species Status and Listings Issues
- Conservation Education and Communication
- As well as contributed papers on Anthropology, Aquatic Biology, Botany, Fisheries, Forest Management, Geology, Geography, Hydrology/Geomorphology, Landscape Ecology, Lichenology, Mathematical Modeling, Plant Ecology, Soils, Wildlife Biology/Zoology

*Poster Sessions:* Wed. Feb. 21, 7-9 pm and Thurs. Feb. 22, 5:30-6:30 pm

*Other events:*

- Photo and Art Contest
- Best Student Paper Award
- Silent Auction and Raffle
- Vendors
- and much more...

Keep an eye on our web site for further details on the meeting: <http://www.snwvb.org> For more information please contact: Elke Wind, Planning Committee Chair [E-mail: [ewind@telus.net](mailto:ewind@telus.net); Phone: 250-716-1119]

Planned Field Trips – 23-24 February, 2007 (Fri. evening and Sat.)

*Journey into the Night – Red-legged Frogs & Owls*

*Special Species of Vancouver Island – From Marsh to Mountain Top*

Northwest Lichenologists Itinerary

As in previous years, the Northwest Lichenologists will be meeting with the NWSA in 2007 and we invite speakers to join us in Victoria. Please register and submit abstracts using the forms below.

*Our itinerary will be as follows:*

*Thursday Feb. 22:* Lichen (and Bryophyte) Symposium

Sessions will be formulated in relation to contributed papers (e.g., Conservation of NW Lichens and Bryophytes). An award will be given for the best student paper.

*Friday Feb. 23:* Short field trip and afternoon workshop (topic to be determined)

*Saturday Feb. 24 -* Field Trip: Lichens and Bryophytes of the Victoria Area (possible trip to Salt Spring Island).

Photo and Art Contest Rules:

Minimum photo size: 5x7"; Maximum photo size: 16x20"

Photos must have been taken by the person submitting them.

Photos may be matted but not framed (i.e., no glass)

Only one entry per category

No entries from previous SNVB/NWS photo contests, published submissions, or winners of other photo contests permitted (books, magazines, brochures, etc.)

No professional photographer submissions (i.e., 25% or more of annual income derived from photography)

## CATEGORIES

*Pacific Northwest Only (within range of SNVB)*

1. Vertebrates
2. Invertebrates
3. Flora
4. Landscape or Habitats Within or outside the PNW
5. Biologists in Action
6. Fine art (nature related drawings & paintings)

All photo submissions will be automatically eligible for a "People's Choice" Award – voted on and decided by the conference attendees. Viewing/voting day will be February 22, 2007 (awards and prizes handed out that evening at the banquet)

## MEETING FACILITIES / ACCOMMODATION

The meeting will be held at the **Harbour Towers Hotel and Suites** (345 Quebec Street, Victoria, BC - <http://www.harbourtowers.com/index2.htm>) a full service, 4-star, 12-story high-rise, located 1 block from the Inner Harbour of downtown Victoria. Along with great views of the harbour, the hotel amenities include a swimming pool, therapy pool, sauna, fitness room, and 24-hour room service. Guestroom amenities include voicemail, modem access, coffeemaker, iron and ironing boards, and hairdryers.

A limited number of rooms have been set aside for meeting attendees **until Jan. 20, 2007** (*rates are based on single/double occupancy plus tax*):

Standard rooms	\$79.00CDN
1-bedroom suites with kitchens	\$99.00CDN
2-bedroom suite	\$119.00CDN
Penthouse suite	\$199.00CDN

*Please note: You must mention 'SNVB' to hotel staff to get this rate. Please call 250-385-2405 or 1-800-663-5896 to reserve a room.*

### Other accommodations:

Below are some of the lodging options that are in close proximity to the meeting. Most are close to downtown and the Inner Harbour. Prices are approximate, as the meeting will be held during the non-tourist season. Hotel and goods and service tax may run up to 17% total. For more information on these and other establishments, see: <http://www.hotel2hotels.com/canada/victoria/>.

Establishment	Type	Cost (Canadian \$)	Address	Phone
Helms Inn Motel	Motel	75.00 – 105.00	600 Douglas St.	1-800-665-4356
Strathcona Hotel	Hotel	54.00 – 153.00	919 Douglas St.	1-800-663-7476
Traveller's Inn on Gorge	Hotel	50.00 +	120 Gorge Rd	1-888-292-6387
Best Western Inn Harbour	Hotel	151.00 – 200.00	412 Quebec St.	1-888-383-2378
Blue Ridge Inn	Motel	51.00 – 100.00	3110 Douglas St.	1-800-997-6797
Chestnut Grove Motel	Motel	<50.00	210 Gorge Rd. E.	250-385-3488
Hotel Douglas Motel	Motel	45.00 – 70.00	1450 Douglas St.	1-800-332-9981
Hi-Victoria	Hostel	20.00	516 Yates St.	1-888-883-0099

## GETTING TO AND FROM VICTORIA, BC

There are many ferry options from the US to Victoria (Seattle, Bellingham, Anacortes, and Port Angeles), but only some allow vehicles. For those coming from Seattle, the **Victoria Clipper** is a passenger-only ferry and has one sailing a day (8:00 am), so **please reserve early**. The hotel is close to the US-based ferry terminals in Victoria - a short 5-minute walk, or complimentary hotel shuttle ride (based on availability). Those walking off the ferry from Swartz Bay, can conveniently catch a city bus to downtown and walk to the hotel from there. For those bringing their cars, there is a four-story parkade at the hotel, at a cost of \$7/day.

For a **map of the city**, and information on ferry schedules please visit the following web sites:

The City of Victoria - <http://www.city.victoria.bc.ca/>

The Ferry Traveler - <http://www.ferrytravel.com/>

**TRAVEL REMINDER:** Individuals travelling by air between Canada and the US will need a passport as of Jan. 2007. See [http://travel.state.gov/travel/cbpmc/cbpmc\\_2223.html](http://travel.state.gov/travel/cbpmc/cbpmc_2223.html) for more details.

## ABSTRACTS

We require abstracts for all presentations and posters. All abstracts pertaining to vertebrates will be published in the SNVB journal *Northwestern Naturalist* unless otherwise requested.

Please submit the following information:

1. Name, affiliation, mailing address, phone, and e-mail of the corresponding author.
2. Names and affiliations of additional authors.
3. Session topic for which the abstract is submitted (from those listed above), or poster session. If it doesn't fit the session topics that have been selected to date, please indicate that it will be a "Contributed Paper".
4. Indicate that presenter is a student if s/he would like to participate in the best student paper contest.
5. Abstract (Please use the following guidelines and format example).

### ABSTRACT FORMAT FOR PAPER PRESENTATIONS AND POSTERS

Please prepare abstracts using a Times New Roman 12-point font in MS Word following the format below. Improperly formatted abstracts will be returned for revision.

- On the top of the page include the name of the lead author, presenting author in parentheses if not lead author, short title, session (topic, contributed or poster), and student (if participating in the best student paper contest).
- Type everything LEFT-JUSTIFIED.
- Type the title in ALL CAPITALS followed by a period (do NOT embolden the title).
- Continue on same line with names of all authors and their addresses.
- Type author names in upper and lower case. Separate each name with a semicolon after the address.
- Type the first name first with NO periods after initials and WITHOUT the word "and" before the last author's name.
- Add the address, using 2-digit state or province abbreviations, including zip or postal code, for each author directly after each author's name. If authors from the same institution follow one another, add the address after the last affiliate.
- Add the email address of the corresponding author after the last author and italicize it.
- Skip a line and type the abstract in one paragraph in NORMAL CASE with a 0.5-inch indent of the first line. The word count for the body of the abstract should not exceed 250 words.

Example:

Almack (Parker), Mountain Caribou Survival, Contributed Paper, Student

MOUNTAIN CARIBOU SURVIVAL IN THE SOUTHERN SELKIRK MOUNTAINS. Jon A Almack, Sarah L. Parker. *Washington Department of Fish and Wildlife, Metaline Falls, WA 99153*; Robert B Wielgus, *Washington State University, Pullman, WA 99163*; *almacjaa@dfw.wa.gov*.

Endangered mountain caribou (*Rangifer tarandus caribou*, mountain ecotype) were monitored from ...

***Oral presentations will be 15 minutes long, with 5 minutes for questions (20 minutes total).***

All abstracts ***must be submitted electronically*** by **January 3, 2007** (extended) to:

Tara Chestnut

360-357-8758

E-mail: [tarachestnut@gmail.com](mailto:tarachestnut@gmail.com)



### Annual Meeting Financial Assistance Program

Each year, SNVB provides financial assistance to a number of its members who have limited income or lack institutional support to attend the annual meeting. If you are a student, unsupported presenter, retiree, individual consultant, under-employed early career professional, etc., you may qualify for a full or partial registration waiver. Please contact Aimee McIntyre for more information and an application form:

***Aimee McIntyre, [mcintam@dfw.wa.gov](mailto:mcintam@dfw.wa.gov), 360.902.2560***



**Registration Form for the SNVB/NWSA 2007 Joint Annual Meeting**  
(one form per person please)

The annual meeting registration and membership dues can be filled in and paid for electronically at the SNVB website using *Paypal* in USD (<http://www.snwvb.org>). Please note that all Paypal transactions are subject to a 3% surcharge. **Hardcopy forms plus cheques or money orders (in USD) can be mailed to the Treasurer (see membership form below):**

Name: \_\_\_\_\_ E-mail address: \_\_\_\_\_

Society Affiliation? (circle all that apply): SNVB                      NWSA                      NWLichens                      Non-member

Professional Affiliation (for your name tag): \_\_\_\_\_

Mailing address: \_\_\_\_\_

Office Phone: \_\_\_\_\_ Home Phone: \_\_\_\_\_

OK to share your contact info. (excluding home phone) with other attendees? (circle one)    Yes    No

I will be presenting a (circle one): poster                      oral presentation                      neither

I will need the following audio-visual equipment (circle one): (PowerPoint) LCD projector                      slide projector

**WEDNESDAY SYMPOSIUM & WORKSHOP**  
*Panic, Pandemics*                      *Communications*  
*and Poisons Symposium*                      *Workshop*  
\$60US    \$40US

**Annual Meeting Registration** Wed. 21st – Sat. 24th. Membership not required, but it reduces registration costs!  
Registration includes two days of annual meeting sessions, the social, banquet, and refreshments at all breaks.

Please circle if attending the banquet: Yes    No

Early Registration – member (post-marked by Jan. 3)	\$145US	_____
Early Registration – nonmember (post-marked by Jan. 3)	\$180US	_____
Late Registration – member (after Jan. 3)	\$160US	_____
Late Registration – nonmember (after Jan. 3)	\$200US	_____
Student - member	\$85US	_____
Student - nonmember	\$100US	_____
Additional Banquet Ticket	\$40US	_____

**2007 SNVB Dues (circle membership type and fill membership form below)**

Regular Individual	\$25US	_____
Contributing Individual	\$35US	_____
Sustaining Individual	\$50US	_____
Student	\$15US	_____
Institutional	\$60US	_____
Lifetime (one-time payment)	\$325US	_____

**2007 NWSA Dues (circle membership type and fill membership form below)**

Regular Individual	\$30US	_____
Student	\$15US	_____
Sustaining	\$45US	_____
Institutional	\$80US	_____

Do you wish to be a *judge of student paper & poster presentations*?                      Yes    No

Yes, I will be attending the free *General Business Meeting* lunch (12:00 pm Feb. 23)                      Yes    No

**Field trips**

Fri. Feb. 23 after 8pm:

1) *Journey into the Night - Red-legged Frogs & Owls*                      \$20US                      \_\_\_\_\_

Sat. Feb. 24 from 9am –3pm:

2) *Special Species of Vancouver Island – from Marsh to Mountain Top*                      \$20US                      \_\_\_\_\_

**Total charges in US funds:** \_\_\_\_\_

## *Membership Form for SNVB and/or NWSA*

Name: \_\_\_\_\_  
 Affiliation: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_



SNVB Renewal \_\_\_\_\_ or New Member \_\_\_\_\_ (check one)  
 NWSA Renewal \_\_\_\_\_ or New Member \_\_\_\_\_ (check one)

Area of Interest/Expertise: \_\_\_\_\_

<i>SNVB</i> Membership Category (check one)	NWSA Membership Category (check one)
<input type="checkbox"/> Student (\$15 annual dues)	<input type="checkbox"/> Student (\$15 annual dues)
<input type="checkbox"/> Regular (\$25)	<input type="checkbox"/> Regular (\$30)
<input type="checkbox"/> Additional family member (\$10)	<input type="checkbox"/> Sustaining (\$45)
<input type="checkbox"/> Contributing (\$35)	<input type="checkbox"/> Institutional (\$80)
<input type="checkbox"/> Sustaining (\$50)	
<input type="checkbox"/> Life (\$325 one-time payment)	
<input type="checkbox"/> Institutional (\$60)	

Mail your payment (US funds) and this application form and/or registration fees to:

Treasurer, SNVB  
 Julie Grialou  
 18304 Highway 20  
 Winthrop, WA 98862 USA

For registration and membership information e-mail Julie Grialou: [jgrialou@parametrix.com](mailto:jgrialou@parametrix.com)

**And don't forget about our free cash giveaway...**

### SNVB Student Scholarship

SNVB provides one scholarship of up to \$1000 annually to undergraduate or graduate students conducting vertebrate research within the geographic scope of the society: northwestern North America, west of the Great Plains and north of the Mojave Desert. The 2007 application deadline is January 15.

Additional information, including the scholarship guidelines, is posted on our website, <http://www.snwvb.org/scholarship-guidelines.pdf>.

Questions? Contact Tara Chestnut, Scholarship Committee Chair via email or phone: [tarachestnut@gmail.com](mailto:tarachestnut@gmail.com), 360-357-8758

### SNVB ANNUAL MEETING RIDE-SHARE!

For all attendees of the joint SNVB/NWSA/NWLich meeting in Victoria, BC, 21-24 February 2007, a ride-share program is in the works. If you are interested in participating and have extra room in your vehicle, please contact [snvb.ridesshare@gmail.com](mailto:snvb.ridesshare@gmail.com).

In the body of the message, please provide us with:

- your contact information (email and phone number)
- departure location (city)
- number of extra spaces in your vehicle, and
- approximate departure date and time (to and from the meeting)

We will send out a list of available rides to all conference attendees in early February.

## American Institute of Biological Sciences and SNVB

The American Institute of Biological Sciences (AIBS), based in Washington, DC, is a nonprofit 501(c)(3) scientific association dedicated to advancing biological research and education for the welfare of society. Per the AIBS vision, they serve as a national umbrella organization for the biological sciences, particularly for organismal and integrative biology, presenting objective scientific findings relevant to research, education, and public policy on a wide range of issues affecting people and nature. SNVB joined the ranks of AIBS members in June 2004, bringing the number of AIBS member societies to 86. The current number of member societies exceeds 200. We will use the Murreletter to disseminate AIBS announcements relevant to SNVB members including awards, funding opportunities, meetings and lectures.

### AIBS Diversity Scholars Program Travel Grant

*Applications due January 15 and July 3, 2007*

The AIBS Diversity Scholars Program recognizes outstanding minority undergraduate and graduate students. Diversity Scholars will receive a \$1,000 travel award to present research at a scientific meeting of the student's choice; free registration at the AIBS annual meeting; free 12-month membership in AIBS; and a free 12-month subscription to BioScience. Applicants wishing to attend meetings between July 1 and December 31, 2007, must submit an application by January 15, 2007. Applicants wishing to attend meetings between January 1 and June 30, 2008, must submit an application by July 3, 2007.

Contact: Abraham Parker  
Education and Outreach Program Associate  
aparker@aibs.org  
202-628-1500 x249.

### AIBS Emerging Public Policy Leader Award

*Applications Due by 5 p.m. Friday, 16 February 2007*

As part of its focus on engaging scientists in the public policy process, the American Institute of Biological Sciences (AIBS) is pleased to offer the AIBS Emerging Public Policy Leader Award (EPPLA). The EPPLA is an opportunity for graduate students in the biological sciences to receive first-hand experience in the policy arena. AIBS pays travel costs and expenses for 1-2 EPPLA recipients to participate in a Biological and Ecological Sciences Coalition Congressional Visits Day (CVD) in Washington, D.C. on April 17-18, 2007 (dates subject to change). This is an annual event that brings scientists and science educators to Washington, D.C. to raise visibility and support for the biological sciences. The EPPLA recipient(s) will attend briefings by key officials from the White House and Congress and a reception honoring members of Congress for their work on behalf of biology. Participants will also meet with members of Congress and their staff to explain the importance of federal support for scientific research.

AIBS is now accepting applications for the 2007 Emerging Public Policy Leader Award from graduate students (master's or doctoral)

in the biological sciences with a demonstrated interest in and commitment to biological science and/or science education policy. Submit applications electronically to [publicpolicy@aibs.org](mailto:publicpolicy@aibs.org) NO LATER than 5 p.m. on Friday, 16 February 2006.

### AIBS Diversity Leadership Award

The AIBS Diversity Leadership Award recognizes programs and initiatives that actively promote a diverse community of biologists. AIBS welcomes nominations from scientific societies, K-12 institutions, colleges and universities, government agencies, nonprofit organizations, and community groups, as well as institutions such as museums, botanic gardens, and field stations. Nominations for the Diversity Leadership Award are accepted throughout the year, with reviews conducted twice a year, at the end of January and at the end of July. For selection criteria and more information, and to download application and nomination forms, please visit [www.aibs.org/diversity](http://www.aibs.org/diversity).

Contact: Abraham Parker  
Education and Outreach Program Associate  
aparker@aibs.org  
202-628-1500 x249.

### 2006 AIBS ANNUAL MEETING LECTURES AVAILABLE ONLINE

As a member of the American Institute of Biological Sciences, SNVB members may access information and materials from AIBS. Videos, slides, and transcripts of the lectures from the 2006 AIBS Annual meeting are now available online at [client.blueskybroadcast.com/AIBS/](http://client.blueskybroadcast.com/AIBS/) or via the AIBS Virtual Library at [www.aibs.org/virtual-library](http://www.aibs.org/virtual-library). The theme of this meeting was "Biodiversity: The Interplay of Science, Valuation, and Policy," and the talks include the following:

Learning to Speak Science: How the Scientific Community Can Learn to Win Back its Political Influence in America; presented by Chris Mooney

Framing Science: Understanding the Battle over Knowledge; presented by Matthew C. Nisbet, School of Communication, The Ohio State University

From Science to Policy: Biodiversity Protection, Metrics, and Results; presented by Daniel Esty, Law School and School of Forestry and Environmental Studies, Yale University

The Endangered Species Act under Attack: The Dynamic Interplay between Science and Policy; presented by Jamie Rappaport Clark, Defenders of Wildlife

Applications of Biodiversity Research to Human Well-Being; presented by Shahid Naeem, Dept. of Ecology, Evolution, and Environmental Biology, Columbia University

Values and Valuation in a Rapidly Changing World; presented by Richard B. Norgaard, Energy and Resources Group, University of California, Berkeley

Valuing Ecosystem Services; presented by Stephen Polasky, Dept. of Ecology, Evolution, and Behavior, University of Minnesota

Defining Effective Science for Biodiversity Policy; presented by Stephen Bocking, Environmental and Resource Studies Program, Trent University, Canada



For more information about the  
**Society for Northwestern Vertebrate Biology**  
check out our Web site:  
<http://www.snwvb.org>

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Preparing for the Unpredictable: Conservation and  
Communication needs in the 21st Century

**21-24 February 2007**  
**Victoria, BC**