



# The Confluence

Fall 2014

Newsletter of the Washington-British Columbia Chapter of the American Fisheries Society

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## WA-BC Annual Conference to be held in Richmond, BC on February 16-19, 2015

Mark your calendar with a bright red Sharpie! The Washington-British Columbia Chapter of the American Fisheries Society announces the 2015 Annual General Meeting to be held in

**Richmond, British Columbia on February 16-19, 2015.** The meeting location is at the Executive Airport Plaza on the Westminster Highway. Best of all, this meeting will be co-convened with the 2015 Pink & Chum Conference.

With pink and chum salmon researchers joining us from Japan, Russia, and Alaska, this joint meeting will be a Pan-Pacific gathering of fisheries professionals,

scientists and academics from governmental and non-governmental entities that work in freshwater,



**The 2015 Annual General Meeting of the WA-BC Chapter of AFS will be co-convened with the 2015 Pink & Chum Conference.**

estuarine and marine environments.

The WA-BC Chapter extends a special invitation to all AFS

members and all fellow fisheries professionals in Washington and British Columbia, particularly Tribes and First Nations, to attend and participate in this conference.

For more information, please contact Mark LaRiviere, our WA-BC Chapter Vice President, at [mlariviere@cityoftacoma.org](mailto:mlariviere@cityoftacoma.org) or at (253) 502-8767.

We're excited to be back in BC for this year's conference and are looking forward to seeing everyone there.

**AGM website: <http://agm2015.wabc-afs.org/>**

### 145<sup>th</sup> Annual Meeting of the American Fisheries Society August 16-20, 2015 in Portland, Oregon Invitation to Submit Proposals for Symposia

It's time to start planning your trip to Portland for the 145th annual meeting of the American Fisheries Society! To encourage a diversity of symposia, contributed papers and posters at this meeting, the Program Committee decided that a "themeless" meeting was more appropriate for Portland - one of the great North American cities that is

intrinsically tied to marine and freshwater fish and fisheries. This meeting promises to feature the latest and greatest information and discussions regarding the huge challenges facing fisheries professionals today. The AFS 2015 Annual Meeting, co-hosted by the Society, the Western Division, and the Oregon

Chapter, is scheduled from August 16-20, 2015 at the Portland Convention Center. Portland is known for its thriving downtown, outdoor activities, and an incredible array of great food. These will all provide unsurpassed opportunities to meet and engage with fisheries professionals from around the world. See you in Portland, the City of Roses!



**WA-BC Chapter President  
Matt Klungle**

**WA-BC Chapter Executive Committee**

- President – Matt Klungle
- President Elect – Mark LaRiviere
- Vice President – Alix Blake
- Past President – Brian Missildine
- Treasurer – Martina Beck
- Secretary – Emily Pizzichemi
- Communications Officers – Orlay Johnson and Stephanie Caballero
- Student Rep. – Vacant
- AFS-UW President – Merrill Rudd
- AFS-UBC President – Katrina V. Cook

# The President's Line

## - by Matt Klungle

Dear WA-BC members,

Much like new AFS President Donna Parrish in the September issue of *Fisheries*, I too was a little unprepared to present my commentary for *The Confluence*. However, there are many important Chapter items on the burner, so there is no shortage of material for my President's Line.

First, let me welcome the 2014-2015 WA-BC Executive Committee (listed in left margin), particularly our new Vice President, Alix Blake. We also say, "so long", to outgoing past-President John Morgan. On behalf of the Chapter, thank you for your extended and valuable service.

Second, I want to remind folks that our Annual General Meeting will be in Richmond, BC on February 16-19, 2015. This year, we are co-convening with the biennial Northeast Pacific Pink and Chum Workshop. This seems like a natural fit and we look forward to a productive collaboration.

Symposium proposals are now being accepted for the WA-BC AGM; so, if there is a specific topic or a broader theme of interest you are interested in, please submit

your ideas to Alix Blake (alix.blake@SpokaneTribe.com). Already, there is a science communications symposium being organized. Given the number of high-profile bloggers that we have within our Chapter, this symposium should be both greatly informative and entertaining.

If you have never organized a symposium, I highly recommend you do so now, especially graduate students. Our region is a hotspot for fisheries research, and with over 700 AFS members currently living in Washington and British Columbia, our Chapter alone is almost 10 % of the Society. Helping to organize a symposium is a great opportunity to connect with others doing similar research. I urge you to take advantage of the diversity of government agencies, tribes, NGO's and consultants represented by the Chapter members. Soliciting the Chapter for likeminded individuals is a great way to expand your knowledge and network base. Further, organizing a symposium at the local level is a good primer for organizing a symposium at the Society meeting in Portland in August 2015.

Finally, it has come to our

attention that many Chapter members do not realize the \$5 WA-BC registration fee is **voluntary**. Initially setup as a way for members to donate a nominal amount towards the student subunits' activities, this original intent has become lost over time.

Furthermore, our bylaws clearly state that to be a Chapter member one simply has to be a Society member that lives within either British Columbia or Washington. After talking with a number of past-Presidents and reviewing meeting minutes, we were able to determine the original purpose of this \$5 voluntary charge. We are going to keep the \$5 donation option next to the WA-BC Chapter membership "check box" on the Parent Society's membership sign-up/renewal webpage. However, we will work with the Society to make sure it is abundantly clear that the \$5 is a voluntary donation. We regret the inevitable confusion.

Hope to see you in Richmond.

Take care, Matt

## Annual WA-BC Chapter Retreat

**Saturday, December 13th**

9am until about 3pm  
University of Washington's Fisheries Sciences Building (FSB) Room 203  
Map is at <http://www.washington.edu/maps/>  
**All Chapter members are welcome!**

Location is very convenient: It's on Portage Bay, opposite the UW Police Department Building, almost under the I-5 Bridge. Parking is easy and can be found in the next-door lot on the western side of the building.

An excellent restaurant, Aqua Verde, is just down the street and they have excellent early morning lattes and pastries. The agenda will be sent out to Chapter members in December.

For more information, contact Matt Klungle at [Matthew.Klungle@dfw.wa.gov](mailto:Matthew.Klungle@dfw.wa.gov). Hope to see you there.

## Two Student Reports from the 2015 Parent Society's AGM in Québec City



**Laura Koehn of the UW Student Subunit**

**Quebec Memories**

by Laura Koehn  
UW Student Subunit

A few weeks ago, thanks to generous funding from the AFS Marine Fisheries Section and Northwest Marine Technology, Inc., I was able to attend the AFS annual meeting in Quebec City, Canada. I was also awarded the great opportunity to participate in the Best Student Paper competition, where myself and 20+ other graduate students presented in front of a panel of judges and were graded based on our presentation presence and research novelty. The best part of the student

competition was being able to hear about new and exciting research tackling some of the biggest problems that we face

today in fisheries, including by-catch of shark species in tuna fisheries and climate change impacts on fresh-water fish, from up-and-coming young scientists from all over North America.

The AFS conference attracted young scientists not only from North America, but also from all over the world. During the networking event at the Quebec City cruise terminal, Espaces Dalhousie; on the shore of the St. Laurence River, I met a young graduate student studying in France, but who was originally from

Brazil. In addition, many past University of Washington School of Aquatic and Fishery Sciences visiting students attended the meeting from such far-off places as Denmark and New Zealand.

Not only was the conference an amazing opportunity to meet graduate students from all over the world, but the city itself felt very European. It was almost as if the city had been plucked straight out of France. As one of the oldest European settlements in North America, Quebec City offered a rich history lending to countless historical sites to see. From the Citadelle of Quebec to Le Château Frontenac, there was not enough time to visit everything. The 2015 annual meeting in Portland has a tough act to follow.

**“The best part of the student competition was being able to hear about new and exciting research tackling some of the biggest problems we face today in fisheries...”**



**Sean Naman, Past President of the BC Student Subunit**

**Two talks is double the fun: A journey of anxiety (and fun too) from Vancouver to Quebec City by Sean Naman, Past President - BC Student Subunit**

According to some statistics I read awhile back, fear of public speaking is the number one fear in North America. Number two....death. Being at the more introverted end of the personality spectrum, I've always had some discomfort with public speaking. This discomfort has eased a bit over the years as I've progressed through academic science; mostly through rigorous practice. This conditioning met one of its biggest tests this August at the American Fishery Society Annual Meeting in Quebec City. I was already scheduled to present research that I had presented before and was feeling pretty relaxed and looking

forward to the conference and to explore Quebec City. My relaxed state came to an abrupt halt when a collaborator of mine, who was presenting as well, informed me that he was unable to attend and asked me to substitute for him. As I hit the "send" button with my response to agree to the talk, I felt the familiar uneasiness bubbling up from, likely from uncomfortable middle school presentations that are scorched into my subconscious. I had 4 days to learn this talk! The days leading up to leaving went by in a whirlwind; a plane ride which I furiously practiced over and over for 6 hours [the man sitting

next to me on the plane asked how much I was getting paid to present at the meeting]; A very expensive cab ride from the airport that would have been a lot cheaper had I spoken good French, and an Air BnB in downtown Quebec City that was just a bit different than advertised. Despite being an anxious wreck, I had a blast the first few days of the meeting. There were great talks, old friends and new connections. One of the many things that is great about the AFS is the sense of community you feel, even in a group of 1,000 plus people! By the time the first talk came the nerves had cooled off a bit but were

still fluttery; I also managed to bump into the projector as I walked up to the front of the room. After I finished the second talk an hour later – which the moderator introduced as my "encore performance" – I breathed the sweet air of relief. It's often the case to look back fondly on experiences that were not the most pleasant in the moment. I'm glad I took on the extra talk, though it's not something I plan on doing every time.

## Student Subunits: Reports and Activities



### **UW President's Report**

by Merrill Rudd  
mbrudd@uw.edu

I had quite the summer traveling the world in the name of fisheries research, but I can honestly say the final leg of my trip, the AFS annual meeting in Quebec City, was my favorite.

I had just completed my first year as a PhD student at the School of Aquatic and Fishery Sciences (SAFS) at the University of Washington, which immediately followed my Masters of Science degree from the University of Florida. Leaving the great group of faculty and graduate students at UF behind, as well as the diverse range of research species, ecosystems (marine and freshwater), and fisheries systems (recreational, commercial, and protected), I came to SAFS to improve my quantitative skills and study data-poor fisheries stock assessment. Although my training in quantitative fisheries methods has been phenomenal, I miss learning about social, economic, and ecological values of recreational and freshwater fisheries more common in the Southeast.

After a full year of adventures, including new experiences in Seattle, scoping research in Hawaii, and expanding my horizons at the International

Marine Conservation Congress in Scotland, the AFS annual meeting felt like home.

In my opinion, the AFS meeting in Quebec City had the ideal representation of marine and freshwater, commercial and recreational fisheries research. I attended most of the talks in the Next Generation of Fish Stock Assessments symposium, where I could learn about the quantitative methods being used by federal, state, and academic scientists across world. I was thankful for the opportunity to present my research on data-limited stock assessments of coral reef fisheries worldwide in the Next Generation of Fish Stock Assessment symposium, which attracted quantitative scientists from all over the world, prompting great feedback from many sources and perspectives. I hope future projects and collaborations can stem from presenting the first piece of my dissertation research in such a wide-reaching venue. During breaks from the stock assessment symposium, I roamed between other symposia focusing on recreational fisheries research. I learned about the impact on catch-and-release angling on fish vulnerability, new methods for quantifying fishing efforts on small lakes, and the impact of spatially heterogeneous fishing effort on fish size structure.

Equally important as the research talks were the reunions with friends and the extension of my ever-growing network. I have an ongoing interest in applying similar concepts from coral reef fishery stock assessments to small-scale recreational fisheries in either freshwater or marine systems. I had great conversations with professors John Post at the University of Calgary and Olaf Jensen at Rutgers University at evening socials about the extension of the methods I discussed in my presentation to other systems. I spent quality time with my warm, family-like group that I left at the University of Florida, many of whom were associated with the National Marine Fisheries Service Research-Training-Recruitment (RTR) program. The RTR booth at the trade show served as a nice home base, and it was great to use the meeting as a reunion with my old department. I also had the opportunity to catch up with some of the scientists from New Jersey, who were the first to teach me about fisheries when I was an intern at the Rutgers University Marine Field Station. I had a brainstorming session with a graduate student from the University of Victoria (coincidentally, who I had met at the International Marine Conservation Congress in Scotland the week before!), and we made plans to visit each other for future collaborations at our neighboring universities. Another great reunion was with a stock assessment

student and burgeoning scientist from New Zealand. We took a class together at SAFS during my first quarter, and when he left to go back to New Zealand I thought it could be years until we saw each other again. The AFS meeting in Quebec City made me very thankful for such a tight-knit, friendly, and engaging community of fisheries scientists worldwide. Check out the Student Chapter Officers at <http://afsuw.wordpress.com/officers-3/>

**Merrill is a second year PhD student in SAFS studying marine resource population dynamics. Merrill's research addresses data-poor stock assessment methods, specifically applied to coral reef fisheries, with the goal of better informing management of resources important for food security, livelihood of coastal peoples, and ecosystem function. She is looking forward to a great year serving as the AFSUW President!**





**Katrina Cook, President of the UBC Student Subunit**

Vanessa Minke-Martin is new to the Committee as Communications Officer.

we will be providing donated items for the silent auction. We are even hoping to plan a social event that will get people making the trek from Richmond into Vancouver for some fun and fishy socializing.

**Katrina is a Ph.D. student in the Pacific salmon ecology and conservation laboratory at the University of British Columbia. She uses telemetry and physiology to assess post-release mortality of salmon by-catch from marine commercial fisheries. She spends her free time rock climbing, skiing, and thinking about salmon.**

**UBC President's Report**

by Katrina Cook

[katrina.vcook@gmail.com](mailto:katrina.vcook@gmail.com)

Votes are in and we have a new BC Student Subunit Excom! I've just recently taken over for Sean Naman as President. Sean isn't tired yet though and will be continuing on in the Treasurer/Secretary role. Sam Wilson is enthusiastically returning to the Subunit as Vice President after a few years away and

As we are yet just a small and relatively new subunit, the primary objective for this coming year is to increase attendance at events and involvement in the Subunit. We would also like to reach out more to students at other BC universities. With the WA-BC Chapter AGM in Richland this year, it is a particularly good year to do so! You will see us volunteering throughout the meeting, and

Throughout the winter, we will also be hosting smaller student social events, including a trivia night and a movie screening. We are interested in hearing your input though as to what other kind of events you like to see put on! You can contact us or get more info at: <http://bcstudentafs.wordpress.com/about-us/>

# Student Writings

## Vitellogenesis

- by Natalie Sopinka

assembled layers  
engorged with nutrition  
her exquisite pearls

### Facts

Isn't it amazing, how an egg the size of a pinhead turns into a 2 m. long, 200 lb. armored giant that wanders meandering rivers for 100 years or more? Sturgeon eggs are tiny but, like all fish eggs, they are mighty – after all, they contain all the building blocks and tools to make real life fish!

Eggs are filled with maternal DNA, of course, and also vitamins, metals (to kick-start chemical reactions), hormones, carotenoids (antioxidant power), calcium (for bone growth) and energy sources (e.g. proteins and fats). After fertilization, all of these goodies are used to transform the dewy globe into a young fry.

But how does all that stuff get in the egg? Most items are likely taken up into the developing egg during vitellogenesis. This egg-staordinary (ha!) process involves a special protein called vitellogenin being shuttled from the liver into the developing egg. Vitamins, metals, hormones, carotenoids and calcium are thought to be hitching a ride on vitellogenin as it is engulfed into the egg. Once in the egg, vitellogenin is broken down into smaller fat-protein hybrids that will form the nutritious yolk developing fish “consume” and turn into eyes, a body and fins.

P.S. Why are salmon eggs bright orange and sturgeon eggs black? One hypothesis is mom's diet – in the ocean salmon eat lots of krill which have lots of red-pigment carotenoids that can get deposited into eggs; sturgeon are bottom-feeders vacuuming up worms and snails which are low in red-pigment carotenoids.

**Photo Credit:** Russian sturgeon (*Acipenser gueldenstaedti*) eggs, David Silverman



**Natalie Sopinka  
Student Author**

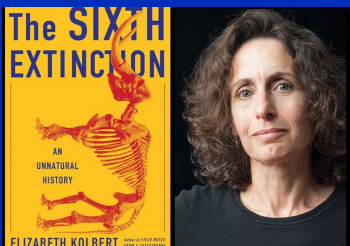


**Inspiration  
Sturgeon  
(Family Acipenseridae)**

Check out Natalie's recent blog on diadromy at: <http://phishdoc.com/2014/10/23/diadromy-2/>



**Dr. Fred Utter,  
Book Reviewer**



**The Sixth Extinction  
Elizabeth Kolbert, Author**

***"Perhaps most disheartening is the chilling implication that our present course is 'written in our genes'."***

## The Book Nook

### The Sixth Extinction

Author: Elizabeth Kolbert  
Book Reviewer: Dr. Fred Utter  
Publisher: Henry Holt  
Year: 2014

This book is properly focused in the prologue by the author's emphasis of the present being a truly extraordinary moment of history to be viewed with fascination and horror. The story is expertly developed from onsite visits and authoritative interviews that bring the reader directly in touch with the scientists and the resources in question. These elements are continually interwoven in a tapestry combining history and mystery and ever reinforcing the truth of Pogo "WE HAVE MET THE ENEMY AND HE IS US".

Through the fourth chapter, we are reminded that this wisdom regarding our destructive nature is recent, given that even the concept of extinction is barely 200 years old – expanding from the insights of Cuvier. Even as fossils accumulated, uncertainty persisted regarding possibly still-extant forms in unexplored regions, as can be seen in the written records of the Lewis and Clark expedition. With the certainty of earlier extinctions (end Ordovician 450 my, late Devonian 360 my, end Permian 220 my, late Triassic 200 my, end Cretaceous 65 my), questions persisted regarding their cause. While the meteoric driven end of the dinosaurs has only recently been accepted, some more speculative explanations for earlier extinctions include ice ages precipitated by CO<sub>2</sub> assimilations (late Ordovician), and conversely, high carbon-induced warming, reduced pH, and high H<sub>2</sub>S. This latter explanation is, by the way, the prominent theory behind the Permian-era extinctions that resulted in 90% of life on Earth becoming extinct and, frighteningly, significantly parallels our present situation.

Interestingly, even Darwin failed to give special status to humans as agents of the current wave of extinctions, which is termed the Anthropocene. The "evil twins" of ocean acidification and warming are vividly displayed in the microcosm of marine thermal vents. When one approaches a marine thermal vent, one can see healthy biological communities gradually yielding to lifeless environments (need a more detailed explanation here – in author's own words - of how ocean acidification/warming correlate with marine thermal vents). The dynamics of this current wave of extinctions are exacerbated by the "new Pangea" where non-native organisms invade new environments, disrupting stable ecosystems and sometimes generating massive die offs, as seen with the incredibly high, fungal-induced mortality rates experienced by bat species in North America and amphibian species throughout the world. Conversely, but also exacerbating the dynamics of extinction today, fragmented ecosystems prevent gene flow among formerly connected meta populations, putting populations on downward trajectories toward extinction. Species rescue programs, such as zoos, terraria and gene banks, are heroic but perhaps futile gestures for saving near-extinct taxa as circumstances in the wild continue to deteriorate.

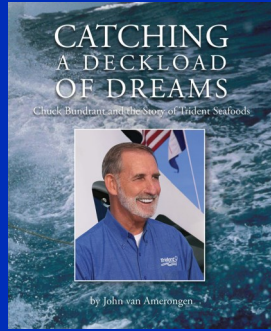
Perhaps most disheartening is the chilling implication that our present course is "written in our genes". Everywhere Homo sapiens has colonized, mega fauna have disappeared. Even our Neanderthal cousins coexisted with such life forms in Europe for over 100,000 years until our arrival, which eliminated the mega fauna and themselves (after assimilating portions of their genome).

Are we in the process of "sawing off the limb where we are perched"? In spite of the bleak picture, predicting the future remains a futile exercise. Perhaps technology will trump ecology. Despite our past failures in prescribing quick fixes for complex messes (think salmon hatchery complexes for lost ecosystems), a new order may yet emerge from the inevitable and pending chaos.

I try to remain an optimist, and a good point of departure from my own reading of this book is to encourage all responsible readers to assimilate its message. Perhaps a widespread and profound understanding of our self-induced and impending tragedy can generate the will and action necessary for generating effective remedial measures.



**Dr. Fred Utter,  
Book Reviewer**



## Catching a Deckload of Dreams: Chuck Bundrant and the story of Trident Seafoods

Author: John van Amerongen  
Book Reviewer: Dr. Fred Utter  
Publisher: Documentary Media  
Year: 2013

True to its title, this book is centered on Chuck Bundrant's leading role in the development and direction of Trident Seafoods. Excepting entire segments written in the first person by family members, the text consists of vignettes from extensive interviews with Bundrant himself and many others. These statements are interconnected more or less chronologically by the author within and among 33 chapters plus prefatory and concluding materials (and all worth reading).

The author, hired by Bundrant in 2006 to write the book, develops a complex and very human personality starting with his youthful migration westward and northward just a year out of high school in 1961. With underlying determination, independence and a strong work ethic, Bundrant had little trouble getting entry-level work on Alaskan king crab processors, gaining experience including – by necessity due to a drunken skipper – sharing the running of a boat back to Seattle; he wasn't necessarily against partying, just not on work time. Using his savings, he invested in his first boat, a broken down gill-netter in Seward. This misadventure didn't pan out but led to a series of serendipitous events including saving the life of Clem Tillion (who, as an influential legislator returned the favor 10 years later by saving Trident's financial life), and – again by pure coincidence, assisting and ultimately crewing with the prospering Burch brothers, which guided him towards obtaining his own fleet.

These stories, and those that follow are mostly flavored with salt air, testosterone, ever-present danger, sometimes blue language, and just good story telling reminiscent of the wild west and "The Deadliest Catch". Particularly memorable were the stories:

- 1) of FV Bountiful's construction (in an Indiana shipyard where Bundrant ended up buying the bankrupt yard for \$5!);
- 2) the entire Akutan adventures including the fire, rebuilding and present operation with the present manager being "mayor of a town of 1,200 workers";
- 3) the aerial adventures including the Grumman Goose (reminiscent of my first Bristol Bay adventure in 1953) and float plane takeoff failures (and once again the fortuitous arrival of Chuck Bundrant);
- 4) ultimate vindication in the class action efforts and other political and legal struggles leading to full American sovereignty in the Alaskan Exclusive Economic Zones and
- 5) the long-term negotiations with Tyson and the ultimate assumption of its fleet.

But the underlying message goes far beyond excitement, adventure and danger. It speaks to the character, indeed the soul, of the corporation itself as epitomized by its founder (and with providential guidance as Bundrant might profess). There is ambition without greed, toughness without cruelty, choosing and listening to strong associates without cronyism (but still the ability to make unpopular decisions when warranted), vision to face setbacks as challenges rather than defeats, and particularly – viewing all involved personnel as members of a team akin to a family.

A down side of these characteristics is a perceived isolation implied in each of the statements of the Bundrant children Joe, Jill and Julie. Each of their writings reflected deep love and respect for their dad, but an absence of intimacy that would come from a – perhaps less authoritarian parent with similar attributes and a job that permitted more home time during their formative years. Indeed, I missed on first reading that their birth mother (Mary) was around at least through 1980 (according to Joe), but by 1982 Chuck was married to present wife Diane. The author stipulated that some stories he chose not to print and I will not speculate beyond noting that by "treating everyone the same (p. 14)", there may have been a domestic penalty to be paid.

Some final notes, in addition to the Alaska map (preceding chapter 1), a chart of the current corporate structure and staffing would have clarified some confusion regarding who's doing what and where. As a biologist, I appreciated the doubled efficiency achieved in Pollock processing by Trident, but was disappointed that nothing was mentioned about crashing king crab populations other than it promoted a new fishery of smaller snow crab. These are minor quibbles. It was a long book, but I'm glad I committed to its review. It was worth the effort and promises to make fascinating reading for a diverse audience interested in corporate growth, Alaskan wilderness, and particularly, human nature.

## Education Corner

**NAME** (Northwest Aquatic and Marine Educators) will hold their 40th annual meeting on July 20-24, 2015 at the University of Washington's SAFS (School of Aquatic and Fisheries Science) facility.

The NAME meeting is non-traditional in that a major focus is on extended teaching sessions where members can show others what they are actually doing in their programs. There is also a heavy emphasis on field trips, dancing, and ocean/water literacy. If you are interested in attending, please contact Maile Sullivan of Washington Sea Grant at [mailesul@uw.edu](mailto:mailesul@uw.edu) or Amy Sprenger at [agsprenger@gmail.com](mailto:agsprenger@gmail.com).

There will also be a special session on fisheries science for educators. So, if you'd like to present your research or research program to NW educators, check out their webpage for details: <http://www.pacname.org/>.



**Salmon Watch** is an amazing environmental education program that has long been active in Oregon but is now extending its focus to Washington, starting with the Columbia River Gorge area. Go to this link for a great story about this program: <http://www.kgw.com/story/travel/destinations/grants-getaways/2014/10/10/grants-getaways-salmon-watch/17054843/>. Here is some more background information about Salmon Watch:

Founded in 2012, World Salmon Council is a 501(c)(3) environmental non-profit organization dedicated to revitalizing the Salmon Watch program in Oregon and beyond. Our mission is to educate, engage and empower local communities in wild salmon sustainability. For more information, please visit our website at [www.worldsalmoncouncil.org](http://www.worldsalmoncouncil.org).

Salmon Watch is an award-winning environmental education program for middle and high school students. The program teaches students about the importance of wild salmon conservation and watershed management. Founded in 1993 originally by Oregon Trout, Salmon Watch has educated more than 60,000 students in Oregon over the past 20 years. Now run by World Salmon Council, the program includes teacher and volunteer training, classroom instruction, field trips to observe spawning salmon, and student community service projects. Salmon Watch 2014 will reach 40 teachers and more than 1200 students in the Portland metro and mid-Columbia Gorge areas this year. Participating schools in the mid-Columbia Gorge area this year include Hood River Valley High School, Hood River Middle School and Wy'East Middle School.

In order to execute the Salmon Watch program, the World Salmon Council relies on the participation of hundreds of volunteers, agency fish experts and teachers who volunteer their time to teach students on field trips, organize community service projects and special events, raise funds, recruit other volunteers, and help with publicity, office work, and other tasks. In order to celebrate and thank these individuals, we hold an annual end-of-season Salmon Watch Celebration Party in each program hub that includes a silent auction. Everyone is invited! Here is your invitation information for this year's event, which is happening this Wednesday:

### End of Season Salmon Watch Celebration Party!

Please join us for a fun and festive evening of hors d'oeuvres, awards, and a silent auction to celebrate a successful season! Beverages will be available for purchase.

The evening will feature a presentation by local author and special guest, Scott Sadil, entitled "Whose River Now?"

An upriver voyage from Astoria to Lewiston

**Wednesday, November 12th**  
**5:30-7:30 PM**  
**Springhouse Cellar Winery**  
**13 Railroad St, Hood River, OR 97031**

Join Scott as he recounts tales from his 470-mile upriver voyage from Astoria, Oregon, to Lewiston, Idaho. Sadil, the author of four books, both fiction and nonfiction, about the sport of fly fishing, traveled by sail and oar in Tia, his handcrafted Swampscott dory.

Intent on bringing attention to the health of the lower Columbia and Snake rivers and their diminishing runs of anadromous fish, Sadil discovered, as well, a unique view of these two great rivers of the West – plus the kind of adventure no amount of money can buy. Come hear Scott Sadil share his tale. Tia will be there, too.

Please RSVP as soon as possible to Alyssa at [alyssa@worldsalmoncouncil.org](mailto:alyssa@worldsalmoncouncil.org).  
 Friends and family are welcome! We hope to see you there!

P.S. You can also contact Alyssa if you'd like to volunteer in any capacity and/or if you'd like to see the Salmon Watch program at a Washington school near you.



# Get Ready for the 2015 WA-BC Chapter Annual General Meeting

**Theme: *Communications and Modern Tools for Research & Management***

**Date: February 16-19, 2015**

**Place: Richmond, British Columbia**

**AGM Website: <http://agm2015.wabc-afs.org/>**

### Registration

Secure registration through 123 Signup:  
<https://www.123signup.com/register?id=yvyqz>

#### Registration Fees

*Early (ends TBA)      Regular / On-site (after TBA)*

AFS Member	\$250	\$300
Non-Member	\$275	\$325
Student Member	\$100	\$100
Student Non-Member	\$125	\$125
Single-day	\$125	\$125
Banquet-only (not included in registration )	\$45	\$45

#### *Other Fees*

Exhibitor Booth	\$500
Additional Booth Staff	\$100

### Co-convening with the 26th Northeast Pink and Chum Salmon Workshop

The Northeast Pacific Pink and Chum Salmon Workshop started in 1962 in Juneau, Alaska and continues to have a rich legacy. Traditionally, the workshop has occurred in alternate years and now is hosted rotationally among Alaska, British Columbia, and Washington. Historically, the main goal of the workshop has been to facilitate the rapid exchange of findings and ideas by bringing together biologists, managers, researchers, fishers, and others in an informal setting to explore innovative research and management approaches and to expand our knowledge of the biology of pink and chum salmon populations.

Workshop session topics will include:

- 1) Fisheries management and escapement estimation
- 2) Salmon forecasting and modeling, multispecies interactions, carrying capacity
- 3) Genetics and hatchery-wild fish interactions
- 4) Conservation biology and stocks of concern
- 5) Habitat restoration
- 6) Freshwater and marine ecology
- 7) Resource stakeholder perspectives and economic modeling
- 8) Contributed papers

There will be a combined poster session with the WA-BC Chapter. For more background on the workshop and its storied history, go to:  
(<http://pinkandchum.psc.org/Background.html>)

Please visit the WA-BC Chapter conference website (<http://agm2015.wabc-afs.org/>) for information regarding registration, fees and accommodations.

Please email abstract titles/abstracts, questions, comments, concerns to: Kathleen Neely at [pinkchumworkshop26@gmail.com](mailto:pinkchumworkshop26@gmail.com)

**<http://pinkandchum.psc.org/Default.htm>**

### Venue & Accommodations

The 2015 AGM will be held at the EXECUTIVE AIRPORT PLAZA HOTEL & CONFERENCE CENTER in Richmond, BC.

The hotel room rates will be \$99/night for those who reserve their rooms early.

Please contact hotel reservations at 1-800-663-2878 and quote "American Fisheries Society AGM".

You can find information on the location, guest rooms and amenities at the hotel's website:

<http://www.executivehotels.net/vancouverairportplazahotel/>

Hotel Address:

Executive Airport Hotel & Conference Center  
7311 Westminster Hwy.  
Richmond, B.C. V6X 1A3

Toll Free for Reservations and Information: 1-800-663-2878  
Other Enquiries: (604) 278-5555 & Fax: (604) 278-0255



## Washington-British Columbia Chapter of the American Fisheries Society

### Chapter Information

Website: <http://wabc-afs.org/>

Facebook: <https://www.facebook.com/wabcafs>

Twitter: <https://twitter.com/wabcafs>

Want to join AFS and the WA-BC Chapter? Go to:  
<http://membership.fisheries.org/>

Questions? Suggestions? Contact:  
President Matt Klungle at [Matthew.Klungle@dfw.wa.gov](mailto:Matthew.Klungle@dfw.wa.gov)

Want to write an article or submit any type of fisheries-  
relevant information to this newsletter? Contact:  
Orlay Johnson at [Orlay@comcast.net](mailto:Orlay@comcast.net) or  
Stephanie Caballero at [scaballero@fs.fed.us](mailto:scaballero@fs.fed.us)  
We want to hear from you!

The WA-BC Chapter of the American Fisheries Society, which includes members in Washington State and British Columbia, is an organization composed of professional biologists interested in the scientific conservation and enhancement of fish populations and their environment.

The mission of the Chapter is to:

- 1) advance the conservation and intelligent management of aquatic resources within a context of sound ecological principles,
- 2) gather and disseminate information pertaining to aquatic science and fisheries management, and
- 3) promote the educational and technical aspects of the fisheries profession.

In pursuit of our mission, we will strive to equitably represent the views of members, develop opportunities for effective leadership and conservation, and generate the resources necessary to carry out our programs.

**The WA-BC Chapter Annual General Meeting is coming up fast! Information and registration at:**  
**<http://agm2015.wabc-afs.org/>**

**SAVE THE DATES!**

**February 16-19, 2015 in Richmond, BC**

# First Call for Symposia

### Communications and Modern Tools for Research & Management

The Washington-British Columbia Chapter of the American Fisheries Society invites you to submit symposia ideas for the 2015 Annual General Meeting to be held in Richmond, BC on February 16 – 19.

Symposium organizers are encouraged to submit proposals, recruit presenters, solicit their abstracts and direct them to submit their abstracts. Organizers are not required to recruit a full symposium at the time of proposal submissions. A symposium should include a minimum of 5 presentations. Time slots are limited to 20 minutes, but multiple time slots (i.e. 40 or 60 minutes) may be offered to keynote symposia

speakers or wrap-up panel discussions.

FORMAT FOR SYMPOSIUM PROPOSALS  
When submitting your proposal, please include the following:

- 1) Organizer's information: Provide first and last name, affiliation, telephone number, and e-mail address of organizer. (More than one person can help organize a symposium, but we will only collect information from the lead person. Provide the telephone number and e-mail address where the lead organizer can most easily be reached.)
- 2) Symposium title: Be brief but descriptive.
- 3) Description: Submit a brief (<300 word) abstract that describes your proposed symposium. Deadline for symposia submittals is **December 1, 2014**.
- 4) Audiovisual requirements: LCD projectors and laptops will be available

in every room. Other audio-visual equipment needed for the symposium will be considered, but computer projection is strongly encouraged. Please list special AV requirements, if any.

- 5) Special seating requests: Standard rooms will be arranged theatre-style. Please indicate special seating requests (for example, "after the break, a panel discussion with seating for 10 panel members will be needed").

For more information, please contact Alix Blake at: (509) 626-4454 or [alix.blake@SpokaneTribe.com](mailto:alix.blake@SpokaneTribe.com).

