



PISCATORIAL PRESS

OREGON CHAPTER OF THE AMERICAN FISHERIES SOCIETY

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PRESIDENT'S CORNER:

Greetings and welcome to the After Times! Well, maybe not yet. Things are still settling into their new groove, and it will be interesting to see how much we are changed from the Before Times. I've been "back to the office" for a month now – and by back to the office, I mean Wednesdays. The rest of the week I'm continuing to telework. But it's a start! I'm looking forward to the easy collaborations that happen as people exchange ideas with those in proximity. I work in a shared office with Regional and National level Forest Service folks, a local National Forest Staff, Pacific Northwest Research, US Geological Society, and Oregon State University. We have students and visiting scholars from around the world. I love it and I'm looking forward to reconnecting with those outside my Co-worker Inner Circle who I see regularly on Teams. I'm ready to expand my "channels"!

We have an even larger opportunity to share ideas in August when the American Fisheries Society meeting is being hosted by our northerly neighbors. I hope you will join me in Spokane to catch up with friends and colleagues from around the world. While I'm there, I will be accepting the 2021 Large Chapter of the Year Award on behalf of all of you! The accomplishments we are being recognized for include our continued efforts to engage a diverse membership, successfully providing 2 virtual annual meetings to keep the science and connection rolling throughout the pandemic, and our exemplary financial management that provides a template for other chapters and divisions to follow. Thank YOU for your ongoing participation and keeping our chapter strong and vibrant.

The Spokane meeting will have 12 Continuing Education courses, 70 symposia, 8 plenary speakers, and many student and networking events. Spokane AFS will be a hybrid meeting with all of the plenaries and select symposia livestreamed. Pre-recorded presentations of all talks will be available to virtual attendees. I'll be paying attention to how they work the hybrid opportunity. While I'm looking forward to ORAFS hosting an in-person meeting next year, it was amazing to be able to reach so many additional

attendees from across the continent for inclusion in our meeting last year. A hybrid option could provide continued opportunities for people not otherwise able to attend in person.

I also want to give a shout-out to our recently departed ExCom members! Peter Stevens, Andrea Carpenter, Peggy Kavanagh, Ryan Branstetter, Vic Quenessen, and our amazing student reps Gina Maag, Annika Carlson, and Elena Eberhardt. Your contributions over the last 1 -3 years have been critical and I especially want to thank you for all your hard work and support on pulling off the largest chapter meeting* in Society history (*assumed)! We have a very thorough Annual Meeting handbook to keep the rotating meeting planners on track, but that was specific to in-person meetings. I want to specifically acknowledge Andrea Carpenter, who learned the new platform and process and kept us on track in a challenging new environment, and Peggy Kavanagh, who deftly negotiated new contracts with our venues to avoid penalty charges to the chapter and got contracts for the next 3 years in place with many new improvements to protect our investments. No shout outs could be complete without also acknowledging our amazing volunteer coordinators Megan White and Brent Cardenas. These two people made it happen! Thank you!

I want to wish you all an amazing summer and I hope to see you in Spokane this year!

All the best, Chris



Chris Hirsch,
President
President@orafs.org

EXTERNAL DIRECTOR'S REPORT

Hello ORAFS members,

Thanks to everyone for giving me the chance to serve as your new external director. I'm very glad to be part of such a great organization, and I hope I am able to contribute to a great experience for all our members. I'd like to offer my sincere thanks to Ryan Branstetter for his excellent work in this role over the past two years, and his assistance as I transition into this role.

This is an interesting year to be joining the Executive Committee. With the crisis period of the pandemic winding down we are all witnessing the emergence of a new model for how we work, socialize, and connect. While periods of change like this can be uncertain and unsettling, they are also full of opportunities to create new and better ways of doing things. I look forward to working with all of you to help ORAFS adapt to the new world.

On that note, now is an excellent time to get involved in External Committee activities (if you are not already). Committees are a great way to connect with a professional network, learn more about a topic of interest, or influence the direction of this Society. We have some really enthusiastic and active Committees to get involved in right now, and some that would love to have new members. Contact info for our external committee chairs is listed later in this newsletter. You can also email me at the address below if you aren't sure where to start, or where you can make the biggest impact.

In the coming year, you'll be hearing more from me about the activities of our External Committees, including a new initiative to host occasional webinars on topics related to Committee work. Our hope is that this will give us all a chance to stay connected with ORAFS beyond the whirlwind of the annual meeting. Look for updates on this effort soon.

Another focus this year will be on the long session for the State Legislature, starting in January 2023. This promises to be an active year for legislation relevant to fisheries, with a dynamic group of freshman legislators joining the House and Senate. Stay tuned for updates, and if you want to contribute, think about joining the Legislative Committee!

In other news, The Native Fish Committee will host a Nongame Native Fish Workshop this fall near Madras, Oregon on September 7th and 8th. RSVP by August 15th. You can find more details in this newsletter.

All the best,



Alex Harrison,
External Director
ExternalDirector@orafs.org

JOIN US

JOIN US



The Native Fish Committee of the
Oregon Chapter American Fisheries Society
and
The Earth Sciences Department of the University of Oregon
Presents
The 2022 Nongame Native Fish Workshop
The 2022 Featured Species
Sabretooth Salmon



Sabretooth Salmon (*Onchorhynchus rastrosus*)
Illustration courtesy of UO

September 7-8, 2022 Near Madras, Oregon

The Native Fish Committee of the Oregon Chapter American Fisheries Society organizes annual field workshops featuring nongame native fish in Oregon. This year, the committee and Paleontologists from the University of Oregon will study the Sabretooth Salmon (from the paleontological record) near Madras, Oregon. We will hear presentations and engage in discussions regarding the species, dig for their fossils in a nearby pit, and observe their past habitat to assist workshop participants' understanding of the species.

There is no charge to participate in the workshop. All biologists and paleontologists are welcome to participate and students are encouraged to attend. The pit is located on private land, so all participants must be covered by health insurance, per landowner requirement. Presentations and camping will occur at the Trout Creek property, owned by Portland General Electric. It is 4 miles down a dirt road beyond a locked gate at the intersection of NE Clemens Dr. and NE Coleman Rd. We will meet in Madras at noon September 7th at the NE corner of the Madras Safeway parking lot and caravan behind the gate together. Electricity, and a restroom occur at the PGE site. Our presentations will occur in a barn onsite. Bring your own water, camping gear, and a camp chair for the presentations in the barn. Dinner and evening refreshments will be provided September 7th (Courtesy of OR AFS), but bring your own food for other meals.

The workshop will start noon September 7th at the NE corner of the Madras Safeway parking lot (80 NE Cedar St, Madras, OR). We will proceed to the PGE property, 4 miles behind a locked gate, where we will engage in presentations and camp. The morning of September 8th, we will dig for Sabretooth Salmon fossils at a nearby pit, under the guidance of paleontologists from the University of Oregon. The workshop will end at 1:00 PM on September 8. **If you plan to attend, please RSVP James Capurso, OR AFS Native Fish Committee Chair, at james.capurso@usda.gov, by August 15, 2022.**

FISHERY FEATURE

A workshop to improve knowledge of native lampreys in Oregon

Benjamin J. Clemens¹, Helena Linnell², Sabra Comet³

¹ Oregon Department of Fish and Wildlife, ² Coquille Indian Tribe, ³ South Slough National Estuarine Research Reserve

Lampreys are an ancient lineage of eel-like fishes that have existed for 360 – 550 million years (Gess et al. 2006; Smith et al. 2013; Docker et al. 2015). Ten native lamprey species exist within Oregon. Most of these occur in the Klamath River drainage, whereas two (Pacific Lamprey and Western Brook Lamprey) are more widely distributed, and two others (Western River Lamprey and Pacific Brook Lamprey) exhibit a clustered, albeit incompletely understood distribution (ODFW 2022; Clemens and Wang 2021). Of these 10 native lampreys, five are listed on Oregon’s Sensitive Species List (which also makes them Oregon Conservation Strategy Species), and the others are recognized as “data gap” species.

Lack of awareness has been identified as an important threat for lampreys in the Pacific Northwest. Education and outreach is therefore being used to address this threat (CRITFC 2011; USFWS 2019; ODFW 2020; Clemens and Wang 2021). Interest in, and progress on Pacific Lamprey has increased markedly in recent years (Figure 1).

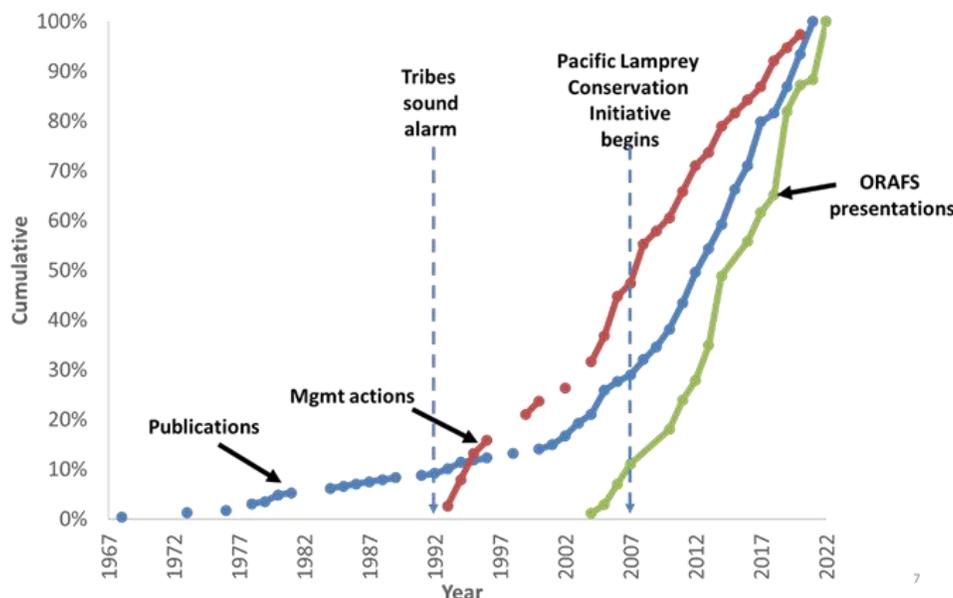


Figure 1. A comparison of increases in peer reviewed publications on lampreys (from Web of Science search), management actions (tallied from Clemens et al. 2017), and Oregon Chapter of the American Fisheries Society (ORAFS) presentations (tallied from annual meeting programs). The Pacific Lamprey Conservation Initiative provides a forum for collaboration and a repository of technical documents (among other functions).

To help address outreach and education needs, we hosted a free workshop on May 23, 2022, for professionals in natural resources. The workshop took place at the South Slough National Estuarine Research Reserve in Charleston, Oregon. Food and travel expenses were paid for by the Pacific Lamprey Conservation Initiative and the Oregon Chapter of the American Fisheries Society. Dr. Stewart Reid of Western Fishes was the instructor for the workshop. Dr. Reid has decades of experience in studying and identifying lampreys along the West Coast of North America. Twenty-one attendees participated in this workshop, including natural resource professionals from federal (52.4%), state (28.6%), county (4.8%), local (4.8%), private (4.8%), and tribal (4.8%) sectors.

Dr. Reid gave a lecture on the biology and diversity of lampreys in Oregon during the morning session (Figure 2). Then, in the afternoon, he provided his own identification key, along with preserved lamprey specimens to practice

FISHERY FEATURE

A workshop to improve knowledge of native lampreys in Oregon—Cont'd

identification (Figure 2). Individuals interested in sampling larval lamprey in the field are referred to Reid and Goodman (2015) and Clemens et al. (2022).



Figure 2. Left: Dr. Stewart Reid lecturing on lampreys at the South Slough National Estuarine Research Reserve in Charleston, Oregon. Right: Workshop attendee examining a preserved larval lamprey (i.e., ammocoete) to practice their species identification skills.

References

- Clemens BJ, Beamish RJ, Kelly CC, Docker MF, Dunham JB, Gray AE, Hess JE, Jolley JC, Lampman RT, McIlraith BJ, Moser ML, Murauskas MG, Noakes DLG, Schaller HA, Schreck CB, Starcevich SJ, Streif B, van de Wetering SJ, Wade J, Weitkamp LA, Wyss LA. 2017. Conservation challenges and research needs for Pacific Lamprey in the Columbia River Basin. *Fisheries* 42:268–280. <https://afspubs.onlinelibrary.wiley.com/doi/10.1080/03632415.2017.1305857>
- Clemens BJ, Harris JE, Starcevich SJ, Evans TM, Skalicky JJ, Neave F, Lampman RT. 2022. Sampling methods and survey designs for larval lampreys. *North American Journal of Fisheries Management*. 42:455–474. <https://afspubs.onlinelibrary.wiley.com/doi/full/10.1002/nafm.10762>
- Clemens BJ, Wang C. 2021. Dispelling misperceptions of native lampreys (*Entosphenus* and *Lampetra* spp.) in the Pacific Northwest (USA). *Conservation Science and Practice* 3:e402. <https://conbio.onlinelibrary.wiley.com/doi/pdf/10.1111/csp2.402>
- CRITFC (Columbia River Inter-Tribal Fish Commission). 2011. Tribal Pacific Lamprey restoration plan for the Columbia River basin. Available: <https://critfc.org/fish-and-watersheds/columbia-river-fish-species/lamprey/lamprey-plan/>.
- Docker MF, Hume J, Clemens BJ. 2015. Introduction: a surfeit of lampreys. Pages 1–34 in Docker MF, editor. *Lampreys: biology, conservation and control*. Vol. 1. Fish and Fisheries Series, Vol. 37. Dordrecht: Springer. https://link.springer.com/chapter/10.1007/978-94-017-9306-3_1
- Gess R, Coates MI, Rubidge BS. 2006. A lamprey from the Devonian period of South Africa. *Nature* 443:981–984. <https://www.nature.com/articles/nature05150>
- ODFW (Oregon Department of Fish and Wildlife). 2020. Coastal, Columbia, and Snake conservation plan for lampreys in Oregon: Pacific lamprey, western river lamprey, western brook lamprey, and Pacific brook lamprey. Available: https://www.dfw.state.or.us/fish/CRP/docs/coastal_columbia_snake_lamprey/CPL%20-%20Final%202-14-20.pdf
- ODFW (Oregon Department of Fish and Wildlife). 2022. Native lampreys of Oregon. Available: <https://www.dfw.state.or.us/fish/species/docs/lamprey/LampreyTrifold.pdf>.
- Reid SB, Goodman DH. 2015. Detectability of Pacific Lamprey occupancy in western drainages: implications for distribution surveys. *Transactions of the American Fisheries Society* 144:315–322. <https://afspubs.onlinelibrary.wiley.com/doi/full/10.1080/00028487.2014.991448>
- Smith J and 58 co-authors. 2013. Sequencing of the sea lamprey (*Petromyzon marinus*) genome provides insights into vertebrate evolution. *Nature Genetics* 45:415–421. <https://www.nature.com/articles/ng.2568>
- USFWS (U.S. Fish and Wildlife Service). 2019. Pacific lamprey *Entosphenus tridentatus* assessment. Available: https://www.fws.gov/pacificlamprey/Documents/PacificLamprey_2018Assessment_final_02282019.pdf.

2023 ORAFS ANNUAL MEETING: CALL FOR SYMPOSIA

“Facing Our Challenges”

AT THE GRADUATE IN EUGENE, OREGON

FEBRUARY 27 – MARCH 3, 2023

After a very wet late spring (at least on the coast), summer is finally here. While we adjust to the hot temperatures of summer it is not too early to think about winter and the 2023 Annual Meeting in Eugene. Please plan to join us for the meeting and consider volunteering for one of the many ORAFS Annual Meeting committees. You can also help by providing ideas for symposium and workshops. We are already planning a few symposia like Klamath Basin, Reinroductions—How are they doing now, and Populations on the Brink. We are also considering an Underwater Photography/Videography for Beginners workshop.

The theme for our meeting is “Facing our Challenges”. We are all facing a global pandemic, drought conditions, large wildfires, and some fish populations with very low returns.

With these challenges it could be easy to give up but as fisheries professionals we need to take these and any other challenges that come our way and continue to fight for what’s best for the fish and their habitats. I’m hoping this meeting will inspire everyone to tackle our current and future challenges.

If you are interested in organizing a symposia, please send an email to Gary Vonderohe at presidentelect@orafs.org by September 15th. In that email, include a brief summary of your topic, a tentative list of speakers, and your contact information. We will notify symposia organizers by the end of September.

I look forward to hearing from you all and serving as your President Elect.



Gary Vonderohe, President Elect
presidentelect@orafs.org

ASSOCIATE DEGREE SCHOLARSHIP UPDATE—GINA MAAG

Receiving the fisheries associate degree scholarship has been extremely helpful for this spring! I used the funds to pay for my last term at Mt. Hood Community College. The classes I’m taking now are Fish Husbandry, Field Projects III, and Building and Maintenance. For field projects, my project has been conducting steelhead spawning surveys on Beaver Creek from February through early May. I’ll be giving an oral presentation of my findings at the Beaver Creek Conservation Council meeting in late May as well as presenting my research to the class.

From December to the end of school, I’ve been completing my Cooperative Work assignment at the Lewis River Hatchery Complex. This includes Merwin, Lewis, and Speelyai hatcheries. That experience has been invaluable and has given me opportunities to do incision and air spawning, crowd and transport fish, pick and enumerate eggs, take samples on juvenile fry and smolts, inoculate adult broodstock with antibiotics, use various power tools and heavy machinery, and administer treatments for diseases such as Coldwater Disease and Bacterial Kidney Disease. I’ve been able to work with all age classes of winter steelhead, rainbow trout, chinook, and coho, and it has been a fantastic experience for me. This spring, I have also been participating in clipping and marking fish for ODFW at the Sandy and Clackamas hatcheries. I’ve been able to get a broad overview of the marking trailers as well as experience removing Coded Wire Tags from Coho salmon and looking at them under a microscope. Working at these hatcheries has given me a deeper understanding

of the diverse fisheries and waterways in the Pacific Northwest. I’m taking the collective wisdom I’ve received and planning on putting it to good use in the future.

After graduation, I will be starting a summer job with the U.S. Forest Service doing stream surveys in the Mt. Hood and Gifford Pinchot National Forests. I’m extremely excited to embark on this new adventure, especially since it will involve snorkel surveys to document various fish species present. I am so grateful for the associate’s scholarship. It has helped jumpstart me into this new career field that I absolutely love, and I know you will all be seeing me down the line!



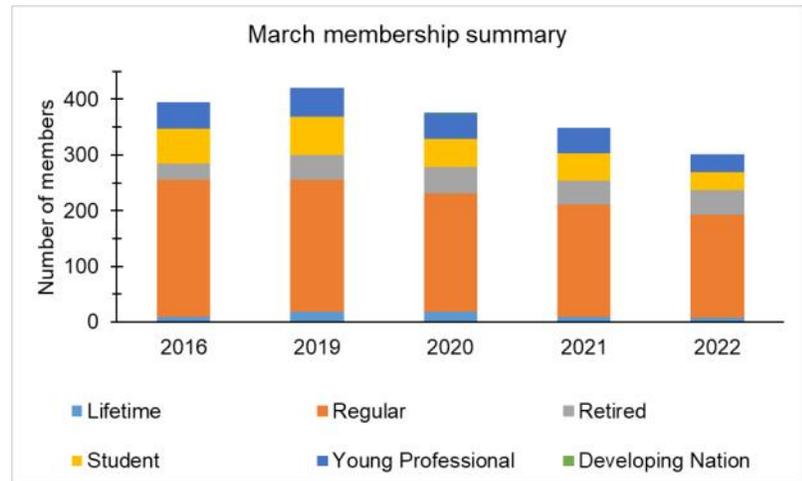
Gina Maag conducting steelhead spawning surveys on Beaver Creek.

MEMBERSHIP UPDATE

It was amazing to have 828 attendees at this year's annual meeting, "Rising from the Ashes". Attendees included 320 AFS members and 297 people who attended the annual meeting for the first time, likely due to our ability to offer free registration this year. Our chapter receives a 3% rebate of membership dues, which enables the chapter to offer scholarships, workshops, and annual meetings. I would encourage attendees to join our chapter or renew their memberships for 2022. Information on all the benefits of membership is located at <https://fisheries.org/membership/>. The Oregon Chapter has once again won the Western Division's Outstanding Large Chapter award for 2022. We would love to have attendees get involved in our work within the profession by joining our chapter, an external committee, or our executive committee. If you have any questions about memberships, please contact our chapter secretary, Sarah Sapienza



Sarah Sapienza
Secretary@orafs.org



As of March 2022, the Oregon Chapter of the American Fisheries Society included 301 members. In recent years, chapter membership is in decline from a high in 2019 of 421. Our chapter is comprised of several membership types based on career level.

BECOME A LIFETIME MEMBER OF ORAFS

Are you an AFS Life Member and interested in showing your life-long dedication to the Oregon Chapter? We have an Oregon Chapter Life Membership that allows you to do just that! The Oregon Chapter Life Membership costs \$125 or 12.5 times the Oregon Chapter annual membership rate. This relative cost difference mirrors the AFS Life Member cost. Show your dedication to the ORAFS legacy and invest in a membership that will pay off for a lifetime! Please contact Andrea Carpenter (secretary@orafs.org) for more information.

PISCATORIAL PRESS: CALL FOR SUBMISSIONS

Do you have something newsworthy to share?

Hot Topics, Fishery Features, Upcoming Events...

Submissions from ORAFS members are welcome!

Do you have an update on interesting work you would like to share with the membership? Are you interested in providing a Fishery Feature or a Hot Topic to tell the membership about your recent project? Do you have an upcoming event that you would like to advertise to the membership? If so, please submit your story or thoughts to Stacy Strickland at: stacy.a.strickland@odfw.oregon.gov. **Submission deadlines** for news items are: September 15; December 15; March 15; and June 15. The newsletter is published approximately three weeks after submissions are received. Submissions are used as time and space allows.

AFS ANNUAL MEETING



152nd ANNUAL MEETING
Spokane
AUGUST 21-25, 2022

WHAT DO FISH MEAN TO US?

Perspectives above and below the water

The American Fisheries Society, President Leanne Roulson, the AFS Western Division, and the Washington – British Columbia Chapter are excited to host the 152nd AFS Annual Meeting, August 21-25, 2022, in the second largest city in Washington State, Spokane. The city of Spokane is on the Spokane River, part of the Snake and Columbia River system, making it ideal for examining the variety of roles and meanings of fish in science and culture. The Spokane area, part of the unceded lands of the Spokane Tribe, is rich in resident and migratory fish and wildlife important to indigenous peoples of the area. We hope that you will take advantage of this opportunity to experience and explore this focal area for fish, fisheries conservation and management, and human resource use.

We will bring together professionals from across North America and countries around the world under the theme of “What Do Fish Mean to Us?”. In the spirit of exploring differing perspectives, we are soliciting symposia topics, collaborative efforts, contributed papers, and posters that exemplify the latest research in fisheries science and that will benefit a range of audiences with the aim of advancing the science of fisheries ecology, conservation, and management.

<https://afsannualmeeting.fisheries.org/>

**2021-2022 OREGON CHAPTER AFS
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Oregon Chapter of the American Fisheries Society Mission

Improve the conservation and sustainability of Oregon fishery resources and their aquatic ecosystems for long-term public benefit by advancing science, education, and public discourse concerning fisheries and aquatic science and by promoting the development of fisheries professionals.

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Oregon Chapter of the American Fisheries Society

www.orafs.org

CHANGE OF ADDRESS & MEMBERSHIP APPLICATIONS:

To join or change address, go to www.fisheries.org and be sure to sign up for the Oregon Chapter. Also visit www.orafs.org/membership to join our listserv and get other Chapter information.