



# PISCATORIAL PRESS

OREGON CHAPTER OF THE AMERICAN FISHERIES SOCIETY

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## PRESIDENT'S CORNER

Fall is upon us, reminding us of our ever-changing seasons and the progression of time. It may just be me, but the colors seem more vibrant this year—my yard is a mosaic of shimmering yellows, lustrous reds, fleeting glimpses of orange and the few greens that refuse to let go. For me, this fall means I'm back in the classroom for the first time since spring 2019, teaching fisheries science with a mask on to a group of engaged, energetic students. It's so refreshing to see them in person, and while I know we did our absolute best to keep their education moving forward through remote teaching these last 18 months, I also see the relief on student's faces as they interact and learn from three-dimensional humans. We even went on field trips this year!

I will be headed to Baltimore in a couple of weeks for the annual meeting, willing to give the real world a try and represent OR AFS to the broader Society. As part of that, I'd also like to note that I'll be picking up an award while I'm in Baltimore. Basically, I'm just the transportation, because our very own Stan Gregory is being inducted as an AFS Fellow this year! He can't make it, so I'll get his complimentary lunch. Congratulations, Stan! I'm sure I haven't heard of all the award-winning efforts of OR AFS members, so please be sure to pass those along so we can acknowledge them as a chapter.

For others in our fisheries world, I know we continue to work from home due to persistent Covid concerns. While we may be able to see a point on the horizon where we're all back together in the office, the field, and the lab, for now the reality is that remote is with us for a while longer. Recognizing that fact, and as noted in more detail below in our Annual Meeting announcement, we have made the very difficult decision to keep our members

safe by hosting the OR AFS 2022 annual meeting as a remote event. The Executive Committee had long, extensive, anguished conversations before reaching this decision, and while we recognize that not all will be pleased with this decision, we hope you will understand that we came to this decision with the best interests of our members, friends, and families in mind. The 2021 virtual OR AFS annual meeting was a success, and I know OR AFS 2022 will be, too, because you always help us make it so. **See page 19 for an exciting announcement regarding the meeting.**

While I hate to end on a bit of a downturn, we sadly note the passing of two very long-time Oregon fisheries scientists. Both Dr. Jim Hall and Dr. Howard Horton passed away a couple of weeks ago within a few days of each other. Dr. Horton started as faculty at OSU in 1958, back when we were still Oregon State College, and Dr. Hall started in 1965. Both remained very active in fisheries and the OSU Department of Fisheries, Wildlife, and Conservation Sciences until very recently. Both made tremendous contributions to fisheries and to OSU over the years, and each has ensured that their legacies contribute to our fisheries future through scholarships – The Jim and Bonnie Hall Fisheries and Wildlife Diversity Scholarship and the Howard Horton Fisheries Management Scholarship, that encourage and support those who will be our future. Thank you, Jim, Howard, and your families for what you have done and what your legacies continue to do. Please read on in the PP for more detailed memoria of both men.



*Scott Heppell, President*  
[President@orafs.org](mailto:President@orafs.org)

## EXTERNAL DIRECTOR'S REPORT

Hi All, I hope your Fall is off to a good start.

I was able to sneak out and do a bit of crabbing in Nehalem Bay along with some elk hunting in eastern Oregon. I also hope to get out and try my luck at some fishing. Anyhow, I feel we mostly got a reprieve this year, considering how hot it was this summer, and things could have been way worse. I would be remiss though in not mentioning that the summer was not without its issues, sorry Southern Oregon that you had to suffer the brunt of more fire and smoke this summer. Also, low water and high temperatures throughout the state resulted in many mortalities for both migrating and resident fish.

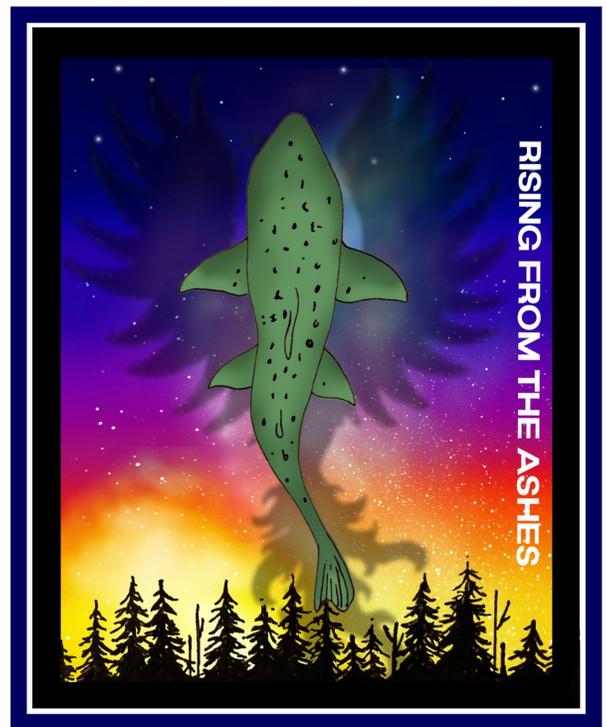
COVID is still causing many disruptions to both our professional meetings and field work: the Nongame Native Fish Workshop was postponed again; and we at ExCom were not able to meet in person for our traditional Fall retreat again. The good news hopefully is that projections are suggesting things may mostly return to normal around Christmas but could be as late as early spring of 2022. I'm hopeful and optimistic that we may be nearing a turning point towards a new normal, but we heard similar tidings last spring that were eventually dashed by the summer. This means that our AFS conference will once again be an online event again in 2022. Our decision to follow the online conference route was based on the results from a poll we conducted with the membership this summer. Besides the usual planning of the 2022 annual conference, we have been busy with several items:

- Diversity, Equity, and Inclusion Consultant for Oregon Chapter of AFS. We have started the process of searching for a consultant by getting input from our external committees.
- Working with external committees to organize and develop work plans and budgets for 2022.
- The 2021 Nongame Native Fish Workshop has been postponed until September 7-8<sup>th</sup>, 2022, the topic remains the same species (Sabretooth salmon) and at the same location: Madras, OR. Please see page 8 for further details regarding registration and exact location and times.
- Letter of support regarding the collaboration of Oregon Department of Fish and Wildlife and The Rocky Mountain Elk Foundation regarding purchase of property near Minam, OR, which will result in the preservation of a critically important salmon-bearing watershed.
- The Human Dimensions Committee is OR AFS's newest committee. Read about its mission on page 10.

Finally, I wanted to congratulate our External Committee Secretary, Andrea Carpenter, regarding her newest addition to the family.



Ryan Branstetter, External Director  
[ExternalDirector@orafs.org](mailto:ExternalDirector@orafs.org)



# ORAFS 2022

## IN MEMORIAM—DR. JIM HALL

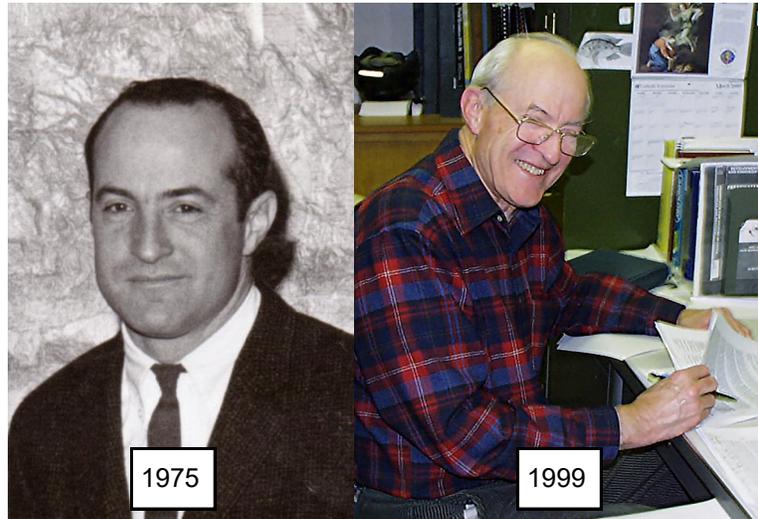
**Aug. 31, 1933 — Oct. 14, 2021**

Dr. Jim Hall passed peacefully in Seattle on Thursday morning, Oct. 14, with Hospice and his daughters, Carolyn and Kate by his side. He was 88.

Jim Hall was born Aug. 31, 1933 in Columbus, Ohio, and the family soon moved to Orinda, California. A biologist from an early age, he could identify 12 birds by song and 20 by sight when he was 2½ years old. His father was a forest entomologist and directed a field station in Lassen National Park. In high school, he conducted a study of the trout and invertebrates in Hat Creek, California and submitted it to Cal Fish and Game. He attended UC Berkeley as a Starker Leopold Wildlife Conservation major and graduate student, where he met his future wife, Bonnie, in an aquatic entomology class. After serving as an Ensign in the Navy for three years and retiring with the rank of Commander, Jim completed his M.S. and Ph.D. in Fisheries at the University of Michigan, studying the ecology of the chestnut lamprey in the Manistee River. After graduation, he directed the high-seas salmon tagging program at the Fisheries Research Institute at the University of Washington.

Jim joined the faculty of the Department of Fisheries & Wildlife at Oregon State University in 1963 and retired in 1992. Jim was the first Head Advisor in the Department of Fisheries and Wildlife, which now has one of the largest advising programs on campus. He taught classes in Fisheries Biology and Population Dynamics, started the graduate Stream Ecology class, and mentored more than 30 graduate students. He has been a pioneer in watershed research in the Pacific Northwest and directed the first paired-watershed study of the effects of logging on salmon and watersheds in the western United States. He co-founded the Stream Team research group, one of the early interdisciplinary research programs at Oregon State University.

In the early 1950s, the Governor of Oregon formed the Office of Natural Resources and charged it to coordinate natural resource management and resolve conflicts. One of their first actions was to form the Alsea Watershed Study, which was the first long-term interdisciplinary study of the effects of forest practices on salmon populations and watershed processes in the western United States.



Jim Hall was the Director of the Alsea Watershed Study from 1963-1973, directing his own aquatic research team and collaborating with hydrologists, forest ecologists, logging engineers, and water quality specialists. Under Jim's leadership, this innovative study laid the foundations for the creation of the Oregon Forest Practices Act in 1972. Jim participated in a follow-up investigation of long-term trends in habitat and fish

populations as part of the Coastal Oregon Productivity Enhancement Program from 1988-1996, and advised the ongoing research in the Alsea Watershed. Jim was the leader of the aquatic program of the Coniferous Forest Biome of the International Biological Program from 1964-1974, which evolved into the aquatic component of the H.J. Andrews Long-Term Ecological Research Program.

Over his career, Jim and his students have published more than 100 papers, books, and proceedings on salmon and watershed processes based on their landmark watershed studies. In recognition of his research, education, application of fisheries science to management, and professional leadership, Jim Hall was awarded the Award of Excellence by the Western Division of the American Fisheries Society and was elected a Fellow of the American Fisheries Society in the first year the award was created.

As a professor in the Department of Fisheries and Wildlife, Jim taught Fisheries Biology for 30 years. In the 1960s, he compiled data on fish communities in lakes and reservoirs from district offices of the Oregon Department of Fish & Wildlife and required students to develop management plans and justify them based on technical analysis of the data. He invited ODFW biologists to attend the students' presentations and provide real-world input. His early innovative approach integrated quantitative analysis, experiential learning, group problem solving, and interactions with natural resources professionals, which can still be traced to our current curricula in group problem solving and internships with natural resources agencies. Jim was also the first instructor in the Department's graduate course in Stream Ecology, a course that attracts graduate students from a wide array of departments and colleges at OSU.

As Head Advisor in the Department of Fisheries and Wildlife, he worked closely with Lenora Bond, another legend-

Continued on page 4

## IN MEMORIAM—DR. JIM HALL CONT'D

ary advisor in the department. Together, Jim and Lenora created an advising system where every undergraduate student was assigned to a faculty advisor for the duration of their education at OSU. Each faculty member would advise 20-35 undergraduates, and Jim and Lenora would supervise the process and approve forms and applications. This advising system they created is still the framework of our Department's advising program, which has grown to six advisors and now includes online curriculum and advising material and both on-campus and online Bachelor of Science degrees in Fisheries and Wildlife Science. In recognition of his leadership in undergraduate advising, the College of Agricultural Sciences awarded him with the Earl Price Award for Excellence in Student Advising as well as the Dar Reese Award for Excellence in Advising.

Jim Hall created an enduring legacy of student mentoring, interdisciplinary research and teaching, and university service. The Stream Team seminar series that Jim helped develop 49 years ago still brings students, faculty, local scientists, and the public together to share new ideas and explore emerging issues in aquatic ecology and natural resource management. The undergraduate and graduate courses he began are important cornerstones of our curriculum. His principals of personal interaction and mentoring of students still live on in our advising program. Fisheries and forest management in the state of Oregon are based on his leadership and foundational studies in watershed management. Jim served as a great role model of a scientist to his students and colleagues, as he was highly professional, thoughtful, principled, hardworking, and dependable. Jim was insightful, measured in his speech and a demanding editor. Above all else, Jim is best described as steady. He was part of everything, always there, from collaboration on the International Biological Program with UW and UBC, to the River Continuum, to the H.J. Andrews LTER Program and beyond. Taking a course from him or interacting with Jim in meetings was a formative experience that shaped the lives of many aspiring young scientists. We are all better for knowing Jim Hall.

In lieu of flowers, Jim requested that donations can be made to the Jim and Bonnie Hall Diversity Scholarship Endowment in the Department of Fisheries, Wildlife, and Conservation Sciences at OSU (<https://fwcs.oregonstate.edu/fisheries-and-wildlife/make-gift-department-fisheries-and-wildlife>). Jim created the Endowment to support efforts to diversify the field of fisheries and wildlife and support all students in the department.

The Stream Team and the Department of Fisheries, Wildlife, and Conservation Sciences will celebrate Jim's life and contributions in a special Monday Morning Meeting at

10:00 AM on January 3, 2022. Please contact Gordie Reeves, Stan Gregory, or Jim Peterson for information.

—Submitted by Stan Gregory, Peggy Wilzbach, Ken Cummins, Dale McCullough, and Jim Peterson.



## IN MEMORIAM—DR. HOWARD HORTON

Howard F. Horton, Ph.D.,  
Professor Emeritus of Fisheries

**September 6, 1926 - October 15, 2021**

Howard was born in Glendale, California. Upon graduation from Glendale High School in 1944, he joined the Merchant Marines and then served in the US Army which allowed him to receive the GI Bill for college. He graduated from California State Polytechnic University in 1953 with a BS in Biological Science. He then attended Oregon State University and received his MS in Fish and Game Management in 1955 and his PhD in Fisheries Science in 1963.

In 1964, Dr. Howard Horton was a freshly minted PhD student and young professor at Oregon State University. It was his vision in collaboration with his colleagues to form the Oregon Chapter of the American Fisheries Society. The Oregon Chapter has gone on to become one of the largest and most decorated chapters in the country. In 2014, he returned to the Chapter to lead the plenary session of the 50<sup>th</sup> Annual Chapter meeting and received the Chapter Lifetime Achievement Award.

Dr. Horton was a professor and researcher in the Department of Fisheries and Wildlife at Oregon State from 1958-1990, where he mentored 35 MS and PhD students and published over 40 papers. While at Oregon State he was the administrator of the Foreign Fishery Observer program for nearly 15 years, as well as assistant director of the Agricultural Experiment Station, program leader of the OSU extension/Sea Grant Program, Director of the Pond Dynamic/Aquaculture Collaborative Research Program, and the senior scientist for the Center for Analysis of Environment Change.

In 1982, while still a professor, he was appointed as the Court Technical Advisor to the US District Court in Portland, Oregon. In 1998, he was appointed to also serve the same position in the US District Court, Western District of Washington State. In those positions he provided scientific advice to a succession of US District Court Judges. He was increasingly involved as Columbia River salmon recovery efforts became more intense and controversial in cases heard by Judges James Redden and Michael Simon. Howard was very proud of his role in ensuring that



salmon biology was appropriately represented in the court deliberations. He retired from this effort in 2016.

He received numerous professional awards for his research and contributions to fisheries management:

- Wade Foundation Award for Excellence in Teaching, OSU 1970-1971
- Outstanding Published Research Award, W. Agric. Econ. Assoc. 1973
- Award of Excellence in Published Research, Amer. Agric. Econ. Assoc. 1973
- Award of Merit, Oregon Chapter, American Fisheries Society 1979
- W.F. Thompson Best Paper Award, Amer. Inst. Fish. Res. Biologists 1985
- Award for Outstanding Contribution, Pac. Mar. Fish. Commission 1991
- Golden Beaver Award for Scientific Achievement, Izaak Walton League 1993
- Fishery Worker of the Year Award, Oregon Chapter, AFS 1999
- Distinguished Graduate Award, OSU Dept. Fisheries and Wildlife 2002
- Hall of Fame Award, OSU College of Agricultural Sciences 2010
- Distinguished Alumnus Award, OSU College of Agricultural Sciences 2011
- Lifetime Achievement Award, Oregon Chapter, AFS 2014

Outside of his impressive career he also owned and operated a commercial albacore tuna troller. He was an avid hunter and fisherman. You could find him fishing for steelhead in the Siletz River, for salmon in the ocean, or dropping a crab trap into a bay or estuary. He hunted ducks and upland game birds with his many retrievers. He enjoyed big game hunting and was particularly proud of his once-in-a-lifetime bighorn sheep and the six-by-six bull elk he harvested in the Frank Church-River of No Return Wilderness of Idaho.

Howard was a loyal father, friend, teacher, mentor and scientist. He took pride in the successes of his children and his students.

—Submitted by Mike Gauvin

## OSU STUDENT SUBUNIT UPDATE

Fall term has brought lots of excitement to the OSU campus and our subunit. The ability to connect in person, despite some limitations, has been refreshing and has given us the opportunity to return to some of our favorite events. Many of our members participated in internships across the country over the summer and had great stories to share. To start off the term, we planned a trivia night, a Meet the Professionals meeting with OR AFS and ORTWS representatives, and a tour of the wildlife and fish collections on campus. We have more fun events in the works and can't wait to meet new members from this year and last.



OSU student subunit leadership team, happy to meet in person! Standing (L to R): Daniel Gillies, Mayah Baker, Marie Heuberger, and Elena Eberhardt. Front row (L to R): Jared Hedges, Abby Vukanovich, and Annika Carlson.

our virtual learning for the past year has taught us how to be innovative with event planning. We are getting ready to start helping with planning the annual meeting and hope to have great attendance this year. We also hope to connect more with the MHCC subunit this year and have their students attend some of our meetings when possible.

Cheers to annual meeting planning and a fun and educational fall term!

Annika Carlson

OSU Primary AFS Liason  
[osustudentrep@orafs.org](mailto:osustudentrep@orafs.org)



One important goal that we have for this year is to continue to engage E-campus students through our events. Although some events are unable to be hybrid or virtual,

## MHCC STUDENT SUBUNIT UPDATE

We've hit the water swimming this fall at MHCC! Classes are following a hybrid model with lectures on Zoom and labs in person. First and second years alike are all ecstatic to do water quality tests in person and get their hands on some slippery fish.

While first year students get a crash course in scale counts and fish identification from Marla, Todd is instructing students on seining, spawning, and using maps for field work. Second year students are treading water in a sea of statistics but are being kept afloat by the arrival of rainbow trout eggs to our hatchery that we'll make sure to overfeed and over-love this fall and winter.

Our new officers, Gina Maag (President), Jake Mildenerger (Vice President), Evan Cox (Treasurer), and Julia Farkas (Secretary) are working hard to make this year get off to a good start for our subunit. Plans for hikes, our winter Fishmas party, fishing competitions in the MHCC pond, and photo contests are already being "incubated" in our proverbial subunit hatchery. Riparian restoration events are already kicking off with the Sandy River Watershed Council, and Beaver Creek is about to get loved to death by eager students conducting field projects.

This fall, first and second year students had a unique opportunity to do some electrofishing in Beaver Creek in conjunction with Jon Cox and Dave Stewart from ODFW and Roy Iwai from Multnomah County's Water Quality Program. A representative from the Sandy River Watershed Council also attended, so overall we had four agencies working together for this project geared towards assessing the threat of Green Sunfish in Beaver Creek. It made us all pretty proud to see the level of interagency coordination that's possible in this field!

If you have any questions or would like to contact the subunit for any purpose, you can email President Gina Maag at [r.maag2@saints.mhcc.edu](mailto:r.maag2@saints.mhcc.edu) or Vice President Jake Mildenerger at [j.mildenerger1@saints.mhcc.edu](mailto:j.mildenerger1@saints.mhcc.edu). We're always happy to have guest speakers at our meetings, and if you need student volunteers or interns, you know we're eager for the experience!

Gina Maag

MHCC Subunit President

—Pictures on next page!

# MHCC STUDENT SUBUNIT UPDATE- CONT'D



Second year students excited to disinfect, enumerate, and incubate RBT eggs from the Oak Springs Hatchery.

Our subunit vice president, Jake Mildenerger, completing his student cooperative work experience at the Bonneville (Tanner Creek) hatchery.



MT. HOOD COMMUNITY COLLEGE



ORAFS Student Subunit



First year student Mitchell Sennewald netting for Dave Stewart on the Beaver Creek Green Sunfish electrofishing initiative.

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 ORAFS), 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, ORAFS Native Fish Committee Chair, at [james.capurso@usda.gov](mailto:james.capurso@usda.gov), by August 15, 2022.

# FISHERY FEATURE

## Surveying Salmon Survivability with Passive Integrated Transponder Tags

**Breeann Roberts**



McNary Dam Spillway. Breeann N. Roberts

Along I-82 South near Umatilla, waves of golden, rolling hills give way to crumbling cliff sides in the wake of the Columbia River's north-eastern path. Just above McNary Dam, there is a spectacular view of the water's glassy surface under the quiet winds. Though hard to imagine, beneath the surface the waters teem with life as hundreds of thousands of salmon and steelhead venture upstream throughout the year from spawning grounds to ocean and back. Monitoring the migrations can be an important indicator to locals on how the migration is behaving in real time.

As the fish make their way through the bypass system at



Upriver of Spillway. Breeann N. Roberts



Downriver of Spillway. Breeann N. Roberts

McNary Dam, they swim into a segment of passageway that contains a transmitter antennae wrapped around the tunnel. A signal is sent out from the antennae to check for a tag the size of a grain of rice. If a tag is present, the signal will energize and activate the PIT (passive integrated transponder) tag, located in the fish's abdominal cavity. Data is then sent to a nearby computer which matches the signal from the tagged fish to the database, adding a time and date entry to each tag's log for that location.

In the end, the goal is to monitor these populations throughout their life cycles and determine how successful these fish passage systems are operating as well as the survivability of the individuals as they make their great migration. These tags were implanted by various organizations across the Northwest, which expands the breadth of data available and have registered their tags to the master database for public use<sup>1</sup>. The database updates every

hour as fish swim through the passage system, providing researchers with an easy way to catalogue visits from tagged fish of various species. Additionally, there are hundreds of PIT tag receivers across the Columbia Basin, tactically placed at spawning grounds, fish ladders, and other high-traffic locations where these fish aggregate. Altogether, collaborative efforts from various fields of expertise maintain the project's wide reach. And this way they ensure that a careful eye can be kept on the fish that are a crucial part of the region's ecology, economy, and culture.



McNary Viewing Center. Jeff T. Green, Getty Images

<sup>1</sup>The PIT tag database can be found at <https://ptagis.org/> and is open for access and use by the public. Many thanks to the Columbia River Fish and Wildlife District, US Army Corp of Engineers at McNary Station, Katie Holuban, and Dr. Christopher Peery for providing the information and insight to make this article possible.



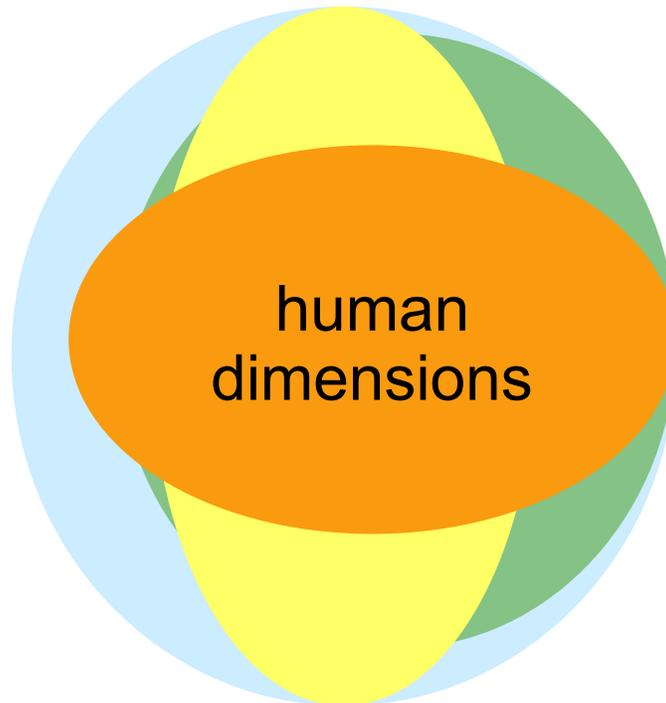
## Another (and another and another) dimension: Human Dimensions

**Jason Dunham, Hannah Gosnell, Benjamin Clemens**

The traditional approach to training fisheries scientists and managers has focused on fisheries biology and policy. We now know there are many more dimensions to how, why, and with what outcomes fisheries are managed. Managing fisheries arguably has as much to do with people (and in many cases, more) as with fish. This reality suggests the need for human dimensions research in fisheries.

What are human dimensions? The answer to this question depends on who you ask. In the most general and simplistic terms, the field of human dimensions includes study of human population dynamics; economics; governance systems; culture; and the attitudes, values, and beliefs of individuals that drive these (Dunham et al. 2018). In other words, the field of human dimensions encompasses a wide variety of disciplines focused on understanding people. These more formal approaches to understanding individuals and societal systems have much to offer fisheries management and can enrich the experience of learning how to

Have you ever struggled to understand why people think about things and behave as they do? This work can be frustrating but studying human dimensions can be interesting and provide opportunities to learn and improve. To create space for this growth, the Oregon AFS Executive Committee has granted permission to begin shepherding a new external committee. This committee will enable Oregon AFS to more formally include Human Dimensions (HD) to diversify OR AFS through recruitment of new individuals with interests and expertise in HD, educate members about the relevant issues for fisheries, host sessions focused on HD at the annual meeting, and identify issues requiring action by the Executive Committee. The HD external committee is forming now, and we welcome interest from anyone who wishes to participate. Please contact Ben Clemens ([Ben.Clemens@oregonstate.edu](mailto:Ben.Clemens@oregonstate.edu)), Hannah Gosnell ([gosnellh@oregonstate.edu](mailto:gosnellh@oregonstate.edu)), or Jason Dunham ([jdunham@usgs.gov](mailto:jdunham@usgs.gov)) for more information.



work with people with a stake in the future of fisheries. If one thinks of the chain of influences that fundamentally drive fisheries, it starts with human perceptions, cognition, and behavior. Understanding why people act as they do can provide critical insights to how they ultimately influence fisheries through countless decisions and actions.

### Citation

Dunham, J.B., Angermeier, P.L., Crausbay, S.D., Cravens, A.E., Gosnell, H., McEvoy, J., Moritz, M.A., Raheem, N. and Sanford, T., 2018. Rivers are social–ecological systems: Time to integrate human dimensions into riverscape ecology and management. *Wiley Interdisciplinary Reviews: Water*, 5(4), p.e1291.

# “RISING FROM THE ASHES: THE ROLE OF DISTURBANCE IN FISHERIES”

SPECIAL EVENT AT THE LOCATION OF YOUR CHOOSING!

MARCH 2-4, 2022

## American Fisheries Society Oregon Chapter 58<sup>th</sup> Annual Meeting

### “RISING FROM THE ASHES: THE ROLE OF DISTURBANCE IN FISHERIES”

Socially distanced conferencing at its best!

Virtual Conference

MARCH 2-4, 2022



## ORAFS 2022

The 2022 Oregon AFS Annual Meeting will be virtual again this year! We appreciate everyone's support and responses to our member poll and believe virtual is the way to go to make the meeting safe and available for all our members and provide an opportunity to include people who can't normally attend an in-person meeting. Building on the successes of last year, we will have plenary sessions, technical sessions, student-mentor networking, business and awards meetings, a do-it-yourself spawning run, and

virtual social hours to remotely connect with our friends and colleagues around the region.

The 2022 program theme is “*Rising from the Ashes: The Role of Disturbance in Fisheries*”. Disturbance has shaped and continues to shape the landscapes and fisheries of the Pacific Northwest. From the Missoula floods, tectonic stream capture, volcanos, and fires in our freshwater systems to The Blob, hypoxia events, and acidification of our marine systems, our western fishes have had to know how to roll with the punches. This theme was designed to foster a deeper understanding of the disturbances affecting our aquatic friends and how they shape our watery world.

New this year: affinity groups. Want to find your peeps? To highlight the “I” in Diversity, Equity, and Inclusion, we want to offer some themed break rooms to help people connect. It can be hard to meet people in person, let alone in a virtual setting, so we'd like to offer an opportunity to find people you have something in common with. If you have affinity group suggestions, please contact Program Chair Chris Hirsch at [presidentelect@orafs.org](mailto:presidentelect@orafs.org).

We do not currently intend to host any pre-meeting workshops, but if someone is interested in organizing one please let the program chair know and we will work with you to make it happen. Your suggestions and assistance are welcomed and encouraged. Please contact Program Chair Chris Hirsch at [presidentelect@orafs.org](mailto:presidentelect@orafs.org).

### Conference Structure and Plenary talks:

Virtual OR AFS 2022 will be a three-day affair, approximately  $\frac{3}{4}$  of a day each day. The schedule at-a-glance is on Page 15. Each day will start with a Keynote Address on one of three sub-themes for the conference (fire effects on fish, marine disturbances, and taking the long view on disturbance), proceed to technical sessions for half of each day, and then each day will include a social activity (Student-Mentor event, Poster session) to help keep us connected.

# “ RISING FROM THE ASHES: THE ROLE OF DISTURBANCE IN FISHERIES ”

## OVERVIEW & EVENTS AT A GLANCE (CONTINUED)

### 2022 Keynote talks:

We have an exciting line-up of three keynote talks, to be announced later!

### TECHNICAL SESSIONS

Oral presentations and poster presentations will address topics from across all disciplines of fisheries that are relevant to Oregon. Presentations should succinctly describe your subject and stimulate discussion among your colleagues. **To get a presentation scheduled at the meeting, you must submit an [abstract](#) online by DECEMBER 15, 2021. Please note: All presenters and moderators are required to register for the meeting. See page 17 for the link to submit.**

#### Currently planned technical sessions include:

- Fire Effects on fisheries and fire recovery
- Fisheries Science from the Sky – using remote sensing
- Native Fishes
- Lamprey: A lot has changed
- eDNA – rapid evolution of ideas/knowledge
- Tribal Fisheries Programs
- Harney Basin spotlight – how to survive a revolt
- Human Dimensions
- Hatchery impacts from Climate change and drought
- Marine hypoxia and The Blob
- Ocean Acidification
- Elwha River recovery after dam removal
- Climate change and drought
- Fish and Forestry

**Posters** are written, self-explanatory presentations that fit into a single panel/viewing pane. For 2022, posters should

be created to be viewable as a single page on a computer screen. As you present you will be able to zoom in and out on components of your poster to highlight specific graphics or text. You'll also be able to include animations and/or video. While there's no need for the traditional "readable from a distance of 3 ft", do be sure to create a poster that is engaging and informative, and can be interpreted in one to two minutes. Posters will be on display throughout the meeting, and we will use breakout rooms during the Poster Session for live presentation of your work. During that time the lead author is expected to be present for discussions and questions regarding their research.

**Oral Presentations** will be the traditional 15-minute presentation/5-minute questions format. Oral presentations must be pre-recorded. Instructions for how to record and upload presentations will be provided on the conference website. These presentations will be grouped into sessions according to general topics to facilitate dialogue.

**Moderating** a session will be a bit different again this year. Moderators will provide an introduction for each speaker, stream each pre-recorded talk and host the question-and-answer session. All presentation videos will be uploaded prior to the session, and all videos for a session will be run through a single computer, hopefully reducing the connectivity issues that would otherwise arise from streaming across over 100 different computer platforms during the conference.

**Students:** The program committee actively encourages student research presentations to be incorporated within our technical sessions. Please contact program chair Chris Hirsch especially if you are a student presenter interested in competing for the "Best Student Paper/Poster" awards, or if you are willing to judge student presentations.

**Questions?** Contact Program Chair Chris Hirsch at [presidentelect@orafs.org](mailto:presidentelect@orafs.org).

### NETWORKING, PROFESSIONAL, AND ATHLETIC EVENTS

**Complete submission by 6:00pm Thursday, March 3rd :**

**Spawning Run and Carcass Crawl:** Socially distanced spawning doesn't work, but you can do a socially distanced spawning run! Always popular, we will have the

# “RISING FROM THE ASHES: THE ROLE OF DISTURBANCE IN FISHERIES”

## OVERVIEW & EVENTS AT A GLANCE (CONTINUED)

Spawning Run for the 58th Annual Meeting. Like last year, we won't be in person, but runners and walkers can measure out a 3.1 mile/5km course, and then during OR AFS week do the run/walk, take a picture of yourself, and submit your picture and time. You can earn bragging rights and enjoy a little camaraderie! Prizes will be awarded for outstanding performance and creativity. Contact Michele Weaver at [Michele.H.Weaver@odfw.oregon.gov](mailto:Michele.H.Weaver@odfw.oregon.gov) for more information.

**Raffle and Auction:** Yes, we will have our annual auction and raffle! This year's event will be, wait for it...Virtual! We'll host both affairs through an online auction portal, with the same chances to go home (ha! you're already home!) with some fabulous prizes and experiences. So be sure to get your raffle tickets and get ready to bid on silent auction items. Score some great gear, guided fishing trips, artwork, and much more. **Contributions and assistance are always welcome.** Contact Victoria Quennessen at [vicepresident@orafs.org](mailto:vicepresident@orafs.org) if you are interested in assisting or have a donation.

**Virtual Trade Show:** Pop into a virtual booth to visit with local and nationally renowned vendors during the trade show. This is a great opportunity to get technical questions answered from some of the professionals with the newest tools and technology to help us implement our projects and reach our goals. Virtual vendor booths will be open throughout the conference, with vendors in attendance during the 5 PM social hours on Wednesday and Thursday for one-on-one live conversations. For more information, or to reserve a space, contact Peter Stevens at [pastpresident@orafs.org](mailto:pastpresident@orafs.org).

### Wednesday, March 2nd:

**Student-Mentor Mixer:** Match the hatch and join our virtual student-mentor mixer! Take advantage of this great opportunity for students, young biologists, established professionals, and retirees to share ideas, provide insight, bridge generation gaps, and build new relationships in a casual setting. Students from all schools and universities are welcome to participate. For more information, contact Victoria Quennessen at [vicepresident@orafs.org](mailto:vicepresident@orafs.org).

**It's 5 PM Somewhere social hour and trade show:** Join colleagues from across Oregon and around the region in

virtual chat rooms to catch up on the day's talks, talk fish, and generally reacquaint ourselves with friends new and old. This is also the time during which trade show vendors will be live in their booths to chat about their wares.

### Thursday March 3rd:

**Awards Luncheon and Business meeting:** Join us to recognize the award-winning work and accomplishments of our OR AFS members at the awards "luncheon". We encourage you to eat lunch during the luncheon! Intertwined with the awards luncheon, will be the must-do event of the conference; the business meeting! Show your support for the Chapter by attending. The business meeting is a great opportunity to learn how the Chapter operates and how you can get more involved.

**Poster Session:** Our virtual poster session will allow attendees to pop into a breakout room and discuss research one-on-one. Poster topics will cover many different fisheries disciplines. And, if you bring one to your computer, tasty beverages can complement your discussions of innovative ideas and solutions. Networking at its best! This is an excellent opportunity to renew and create professional acquaintances. For more information, contact Chris Hirsch at [presidentelect@orafs.org](mailto:presidentelect@orafs.org).

**It's 5 PM Somewhere social hour and trade show:** Join colleagues from across Oregon and around the region in virtual chat rooms to catch up on the day's talks, talk fish, and generally reacquaint ourselves with friends new and old. This is also the time during which trade show vendors will be live in their booths to chat about their wares.

### Friday March 4th:

**Best Student Paper Awards:** We'll wrap up the conference with our ever-important nod to the future; our students! Stick around to find out who gave the best talk, and who presented the best poster. Achieving in this is worthy of recognition, so please help us close the meeting celebrating our future colleagues.



# “ RISING FROM THE ASHES: THE ROLE OF DISTURBANCE IN FISHERIES ”

## OVERVIEW & EVENTS AT A GLANCE (CONTINUED)

### VOLUNTEER!

The Oregon Chapter of the American Fisheries Society depends heavily on volunteers. Even in a virtual world we will rely on volunteer help to keep our Annual Meeting affordable, efficient, and fun. Volunteering is a great way to (virtually) meet new members, (virtually) connect with old colleagues, (virtually) assist the chapter while serving your profession, or to make attendance more financially feasible (as a student).

- **Student volunteers** assist with many meeting components. To volunteer as a student please select this option when registering. You will be contacted by the volunteer coordinators for more information. A student volunteer commitment includes 4 hours of volunteer time. Most years this is compensated with room accommodations for the meeting, but since you hopefully already have a room for the meeting, we'll be sure to come up with some other memento to thank you for your efforts.
- **Mentors** provide their perspectives on the profession and help answer questions for aspiring fisheries professionals during our student-mentor mixer. To volunteer please select the option when registering.
- **Best Student Posters and Presentations** are a key component of this meeting, evaluating the quality and content of student efforts and rewarding those who do an amazing job! To volunteer please select the option when registering.
- There will likely be other opportunities.

This year's OR AFS Annual Meeting will definitely be one to remember! Volunteer and help make it outstanding. If you have any questions about volunteering, contact volunteer coordinators Meagan White ([whitemea@oregonstate.edu](mailto:whitemea@oregonstate.edu)) and Brent Cardenas ([cardeala@oregonstate.edu](mailto:cardeala@oregonstate.edu)).

### REGISTRATION

Back by popular demand the 58th Annual Meeting of the Oregon Chapter of the American Fisheries Society will be held at YourHouse™ March 2-4, 2022.

This year's Annual Meeting theme is: *Rising from the Ashes: The Role of Disturbance in Fisheries*. The Annual Meeting Planning Team has been working hard to bring you another diverse and exciting program! We hope you'll join us for what promises to be an outstanding event—at your house!

Registration is required to attend any technical session or associated event. Please note that all attendees, including oral and poster presenters, are required to register for the conference. The General Registration includes access to the plenary sessions, all technical sessions and social events, poster and vendor sessions, and more.

Our Virtual Spawning Run/Carcass Crawl will be free this year. Contact Michele Weaver for more information: [michele.h.weaver@odfw.oregon.gov](mailto:michele.h.weaver@odfw.oregon.gov).

To register for the annual meeting, click [here](#)



# “ RISING FROM THE ASHES: THE ROLE OF DISTURBANCE IN FISHERIES ”

## OVERVIEW & EVENTS AT A GLANCE (CONTINUED)

### OR AFS 2022 Virtual Conference Schedule

	Wednesday			Thursday			Friday		
Theme	Fish and Fire			Marine Disturbance			The Long View on Disturbance		
9:00	Introductory remarks			Introductory remarks			Introductory remarks		
9:10	Keynote #1			Keynote #2			Keynote #3		
Break	Break			Break			Break		
Session	Session #1	Session #2	Session	Session #1	Session #2	Session	Session #1	Session #2	Session #3
10:00	Talk #1	Talk #1	Talk #1	Talk #1	Talk #1	Talk #1	Talk #1	Talk #1	Talk #1
10:20	Talk #2	Talk #2	Talk #2	Talk #2	Talk #2	Talk #2	Talk #2	Talk #2	Talk #2
10:40	Talk #3	Talk #3	Talk #3	Talk #3	Talk #3	Talk #3	Talk #3	Talk #3	Talk #3
Break (11:00)	Breakout room breaks, trade show booths			Breakout room breaks, trade show booths			Breakout room breaks, trade show booths		
11:20	Talk #4	Talk #4	Talk #4	Talk #4	Talk #4	Talk #4	Talk #4	Talk #4	Talk #4
11:40	Talk #5	Talk #5	Talk #5	Talk #5	Talk #5	Talk #5	Talk #5	Talk #5	Talk #5
12:00	Talk #6	Talk #6	Talk #6	Talk #6	Talk #6	Talk #6	Talk #6	Talk #6	Talk #6
Break (12:15)	Breakout room breaks, trade show booths			Breakout room breaks, trade show booths			Breakout room breaks, trade show booths		
12:40	Talk #7	Talk #7	Talk #7	Talk #7	Talk #7	Talk #7	Talk #7	Talk #7	Talk #7
1:00	Talk #8	Talk #8	Talk #8	Talk #8	Talk #8	Talk #8	Talk #8	Talk #8	Talk #8
1:20	Talk #9	Talk #9	Talk #9	Talk #9	Talk #9	Talk #9	Talk #9	Talk #9	Talk #9
1:40	Lunch Break			OR AFS Awards & Business meet-			Best Student Paper Awards		
2:30	Student-Mentor event			Trade Show/Poster Session			Enjoy your Friday afternoon and thank you for joining us!		
5:00	It's 5 PM Somewhere Social hour/ Trade show			It's 5 PM Somewhere Social hour/ Trade show					
6:00				Host your own socially-distanced banquet and dance party					



# 2022 VIRTUAL RAFFLE & SILENT AUCTION: DONATIONS WANTED

OR AFS will be having a virtual raffle and silent auction in conjunction with the virtual annual meeting running from March 2-4, 2022 and will be entirely digital. Please consider donating a trip, an experience, artwork, jewelry, crafts and more for this critical fundraiser during this challenging time for the OR AFS budget. Your donations and support of the auction through purchases will help support programs and continue the mission of OR AFS.

☁️ Could you donate a guided fishing or crabbing trip? Do you have artwork, carvings or crafts that you could donate? Do you have specialized skills such as whitewater rafting or kayaking that you would be willing to share with another member by taking them on a trip? Do you have a cabin or second home in a special location that you would be willing to share for a night or two?

Due to COVID-19 concerns, if you have a physical item that you would like to donate, we will ask you to hold onto it and ship it directly to the winner after the auction has closed. If needed, we can arrange for the winner to pay shipping costs. If you are donating an experience, you set the time limits for when the experience is available. The winner and host will work together to determine the exact timeframe for the experience.

Contact Victoria Quenessen at [vicepresident@orafs.org](mailto:vicepresident@orafs.org) with your items or experience ideas. Please describe the item, provide some photos, list the fair market value and suggest a starting bid. If you know a business that might be willing to donate an item or experience, please forward their contact information to Victoria Quenessen and someone will contact them about a donation. Your tax-deductible donations are very important to fulfilling the mission of OR AFS. Funds raised during the virtual silent auction will go directly towards student scholarships, supporting student subunit groups, providing K-12 educational materials, as well as supporting conference and workshop attendees, OR AFS representation at Western Division and Society meetings, legislative activities, and public outreach.

## OR AFS STUDENT SCHOLARSHIPS!

To reward and promote the education and development of future fisheries professionals

- \* [OR AFS Student Scholarships](#): (Associate’s, Bachelor’s, Master’s, and Doctoral, one each at \$2,000 )
- \* [Carl Bond Scholarship](#) (graduate students, \$2,000)
- \* [Jerry Bouck Memorial Scholarship](#) (graduate students)  
Applications due to Gwen Bury ([gwendbury@gmail.com](mailto:gwendbury@gmail.com)) by 12/31/2021
- \* [DEI Scholarship](#) (undergrad students, \$2000): To promote the education and development of future fisheries professionals who are commonly under-represented in the fisheries field, including people of color, women and other historically marginalized communities. Applications due to Gabe Sheeships ([gabe@tryonfriends.org](mailto:gabe@tryonfriends.org)) by 2/1/2022.
- \* [Steven Berkeley Marine Conservation Fellowship](#) (graduate students, \$10,000) This fellowship comprises a competitively based award to a graduate student engaged in thesis research relevant to marine conservation [https://mfs.fisheries.org/?page\\_id=155](https://mfs.fisheries.org/?page_id=155). Applications due to Mary Webb Banning ([mbanning@fisheries.org](mailto:mbanning@fisheries.org)) by 2/1/2022.

Each award includes an award certificate and recognition at the 2022 Annual Meeting, in *Fisheries*, and in the Piscatorial Press.

**How do I become a Student Member of AFS?** Go to [www.fisheries.org](http://www.fisheries.org) and apply online and be sure to check the Oregon Chapter box (\$30 total cost for annual membership).

**Where do I go for complete application instructions?** <http://orafs.org/student-scholarships/>.

# 2022 ANNUAL MEETING CALL FOR SYMPOSIA AND ABSTRACTS

## Symposium Proposals: Instructions

EMAIL SYMPOSIUM PROPOSALS TO: Chris Hirsch  
at [presidentelect@orafs.org](mailto:presidentelect@orafs.org)

**DEADLINE: NOVEMBER 15, 2021**

We are currently soliciting contributions for symposia to be hosted during the 2022 OR AFS meeting. Symposium proposers should consider the meeting title and theme “Rising from the Ashes: The Role of Disturbance in Fisheries” when developing their topic. The idea is deepen understanding of how disturbance shapes fish habitat and fisheries.

There is space for 9 talks in a day (see schedule on Page 15), so consider this when organizing speakers for your symposium. It’s fantastic if you think you will have more than 9 talks in your session, we’ll just need to parse them into two days.

Currently proposed symposia include:

- Fire Effects on fisheries and fire recovery
- Fisheries Science from the Sky – using remote sensing
- Native Fishes
- Lamprey: A lot has changed
- eDNA – rapid evolution of ideas/knowledge
- Tribal Fisheries Programs
- Harney Basin spotlight – how to survive a revolt
- Human Dimensions
- Hatchery impacts from Climate change and drought
- Marine hypoxia and The Blob
- Ocean Acidification
- Elwha River recovery after dam removal
- Climate change and drought
- Fish and Forestry

If you have any questions or want to host a symposium, please contact Chris Hirsch at [presidentelect@orafs.org](mailto:presidentelect@orafs.org)

## Contributed Oral and Poster Abstracts: Instructions

SUBMIT ABSTRACTS [HERE](#)

**DEADLINE: DECEMBER 17, 2021**

The program committee welcomes your abstracts for oral presentations and posters. Abstracts for ALL presentations and posters must be submitted by using the online abstract form, and we will start accepting abstracts in late October 2021. Before you hit that submit button, please be sure to:

1. Develop a brief but descriptive title <130 characters, including spaces, avoiding acronyms or scientific names in the title unless the common name is not widely known.
2. List all authors (up to five), their affiliations, addresses, telephone numbers, and e-mail addresses.
3. Type a succinct abstract of <300 words that summarizes your objectives, methods, and results. This can be cut and pasted into the abstract box of the form to reduce your online time and help avoid system crashes.
4. Desired talk format: Standard 15 minute, or Poster.
5. **For presenters that have been invited to participate in a symposium**, please list the title of your symposium or the name of the symposium organizer/moderator.
6. **For student presenters**, please indicate if you would like to be considered for the “best student paper” and “best student poster” awards.

All presenters will receive an e-mail confirmation of their abstract submission and will be notified of acceptance or refusal by January 7, 2022. The schedule of talks will be available shortly thereafter. Please submit your abstracts as soon as possible, as time slots will be limited this year. When there are no longer any 15-minute oral presentation time slots available, the opportunity for presenters to participate in the poster session will be offered alternatively. In addition to submitting abstracts, all invited and submitted presenters and attendees must register and pay for the meeting.



## ORAFS ANNUAL MEETING TO WELCOME HIGH SCHOOL STUDENTS

Many of us have been struggling for the last year+ with a world upended by global pandemic. It has restricted our movements, isolated us from friends, colleagues, and family, and limited our ability to do our jobs. But, while we haven't been able to connect in person, our capacity to link up in virtual space has advanced substantially in an amazingly short time. Had these recent events happened even five years ago we would be in a very different situation than we are now. We as a chapter have the opportunity for our 2022 Annual Meeting to reach farther than we have before, beyond our place-based conference boundaries, and reach future colleagues who otherwise might not be able to attend our meeting and see all the amazing work that our members do.

This year, for the second time, OR AFS will actively recruit interested high school students to join the OR AFS Annual Meeting as invited participants. With free registration this year, high school students will have access to the amazing professional environment you all have worked to create.

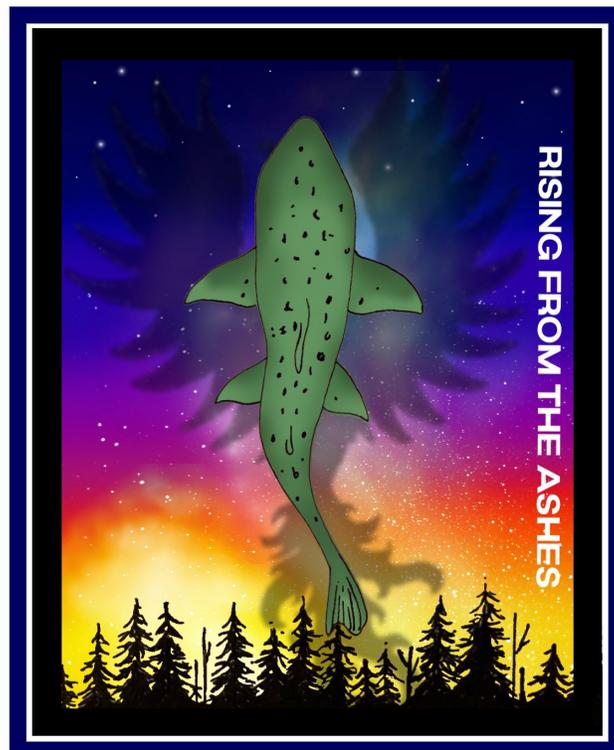
This is an opportunity for us to showcase our professions and an opportunity for high school students to augment their remote learning time with a view into the real world of natural resource conservation and management. And hopefully, this becomes an opportunity for OR AFS to reach urban, suburban, and rural students across the Oregon landscape and encourage them to consider a future in fisheries.

Ms. Janelle Layton has agreed to serve as the point person to make this opportunity a reality, and hopefully this effort becomes a regular initiative of the OR AFS.

As we do this, we can use your help spreading the word, as follows:

- If you are interested in helping with this initiative, please contact Janelle Layton at [Janelle.Layton@oregonstate.edu](mailto:Janelle.Layton@oregonstate.edu) or Scott Heppell at [Scott.Heppell@oregonstate.edu](mailto:Scott.Heppell@oregonstate.edu).
- If you have a high school student who is interested, please encourage them to attend the meeting.
- If you know high school teachers who may be interested in having their students attend, please encourage them to contact Scott or Janelle.

We encourage your input and feedback on this new effort, and hope you will work with us to make it a success.



# ORAFS 2022

## FREE REGISTRATION FOR THE 2022 ANNUAL MEETING!

This may come as news to some of you but the Oregon Chapter of the American Fisheries Society is somewhat unique amongst AFS chapters in that we have an investment fund established and managed to provide financial security and stability to the chapter. This year we have been fortunate and our investments have performed very well. This is largely a testament to the dedication, foresight and continued commitment of the chapter members that make up the Financial Sustainability Committee. This sound financial stewardship and good fortune has put us in the enviable position to be able to offer **free registration** to our annual meeting.

It's been a challenging couple years between the ongoing pandemic and social unrest. Your OR AFS ExCom and Financial Sustainability Committee felt it was a good time to give back to the membership for all you've overcome recently while protecting and enhancing aquatic resources in Oregon and beyond. This is also another step towards our goal of greater inclusion by removing the financial barrier to attendance and allowing us to reach out to new

aquatic enthusiasts not previously involved in AFS. You will still need to register [here](#) by February 12, 2022, but that registration will come at no cost for all attendees. Please keep in mind that the Chapter will still be paying a per registrant fee so please make every effort to attend once you register. More than the financial considerations, we'd just like to see your smiling faces again.

While we don't yet have the resources to offer a free meeting every year, OR AFS ExCom will continue to explore opportunities to reduce the financial burden of attending future meetings and provide a more inclusive space for fisheries professionals. We look forward to your feedback on this year's meeting and encourage you to share your ideas at the Annual Business Meeting on Thursday, March 3rd. We could not be more pleased to be offering you all this wonderful opportunity!

## 2022 ANNUAL MEETING ALL THE DATES IN ONE PLACE

Now Open!: [Abstract submission!](#)

Now Open!: [Registration!](#)

November 15, 2021: Symposia ideas due for the Annual Meeting

December 17, 2021: Abstracts due for the Annual Meeting

December 15, 2021: Submissions due for Winter Piscatorial Press

December 31, 2021: ExCom nominations due

December 31, 2021: Award nominations due

December 31, 2021: Student scholarship applications due

January 7, 2022: Abstract acceptance notification

January 30, 2022: Sponsorships due to be recognized in print

February 12, 2022: Oral presentation recording deadline, Registration deadline

March 1, 2022: Sponsorship final deadline

March 1, 2022: Errata deadline

**MARCH 2-4, 2022**

**ORAFS!**

**Mark your  
calendars!**

tion

## YOU CAN HELP SPONSOR THE 2022 MEETING!

The OR AFS Annual Meeting is the premier venue for sharing fisheries science and management information with fisheries professionals from across the Pacific Northwest and beyond. We typically host more than 450 fisheries professionals! The annual meeting showcases up to 200 technical presentations, plus many networking and mentoring opportunities. OR AFS is committed to keeping registration fees affordable to encourage participation among students and professionals from all employment levels.

We can keep this commitment thanks to generous Annual Meeting sponsors. The sponsorships we receive from agencies, industries, and other entities constitute a large and important part of the Chapter's support. Contributions of in-kind services (e.g. printing) and direct funding help defray meeting costs, provide support for our student programs including annual scholarships, sponsor the student-mentor social event, and provide student registration discounts.

Sponsorships generally range from \$250 to \$5,000 each, and are widely recognized in within our meeting program, on posters at the meeting registration desk, on AV displays throughout the Annual Meeting, and on the OR AFS website. Please consider sponsoring the OR AFS Annual Meeting through a tax-deductible donation and help OR AFS achieve its mission to improve the conservation and sustainability of Oregon fishery resources and their aquatic ecosystems.

To become a Sponsor of the 2022 Annual Meeting please contact: Scott Heppell at [Scott.Heppell@oregonstate.edu](mailto:Scott.Heppell@oregonstate.edu) or Peter Stevens at [PastPresident@orafs.org](mailto:PastPresident@orafs.org)

Sponsorship level	Price	Complimentary registrations	Session sponsorship
Platinum	\$5,000	3	Keynote session
Gold	\$2,500	2	2 Technical sessions
Silver	\$1,250	2	1 Technical session
Bronze	\$500	1	Acknowledgement on registration site and OR AFS website
Sustaining Contributor	\$250		Acknowledgement on registration site

## 2022 TRADESHOW RESERVE YOUR SPACE!

The Oregon Chapter of the American Fisheries Society's virtual 58th Annual Meeting will be held March 2-4, 2022. Even in a virtual world we intend to host a trade show. The OR AFS Annual Meeting is traditionally the premiere venue in Oregon for vendors to share their wares and services with hundreds of fishery professionals from diverse backgrounds. Our virtual Exhibit Hall will be hosted by Cvent and provides virtual booths that vendors can stock with logos, images, information, and more! The virtual Exhibit Hall will be open each day of the meeting, and virtual booths will be live Wednesday and Thursday during the social hour.

The vendor booth fee is \$425 for for-profit entities and \$225 for artists and non-profit organizations.

Each virtual vendor booth includes one complimentary registration. Vendor logos and narratives will be included in the meeting program and logos will be displayed throughout the conference. Additional exhibitor staff must register for the meeting using the online registration form.

To reserve your space, register for the meeting at OR AFS [Registration](#) and select the "Vendor Exhibit" option on the form. Any Questions? Contact: Peter Stevens at [pastpresident@orafs.org](mailto:pastpresident@orafs.org)

# FIRST CALL FOR OR AFS AWARD NOMINATIONS

## NOMINATE A DESERVING COLLEAGUE TODAY!

You know who these people are...the hardworking peer, the inspirational mentor, the energetic teacher, the partner from another agency, the private landowner who worked so hard to do that great habitat work, or the team who overcame great obstacles to accomplish something unique. Now is a great time to start putting your thoughts on paper so you will have plenty of time to refine your nomination before the due date of **December 31, 2021**.

For all awards except Broken Oar, you should indicate how the nominee's efforts are above and beyond their regular job. All awards are discretionary - none are required to be given each year.

To submit a nomination, please submit a completed nomination form [online](#) or **via email** to Awards Chair Brian Bangs at [Brian\\_Bangs@fws.gov](mailto:Brian_Bangs@fws.gov).

Descriptions of the criteria of each award are listed below.

### **Lifetime Achievement Award**

For those people who go above and beyond year after year. This highly prestigious award should go to an individual who has made a substantial lifetime contribution to fisheries. Substantial lifetime contributions to the American Fisheries Society and/or Oregon Chapter are also recommended. This individual should have actively participated in other conservation, professional, or social organizations that promote sound fisheries and resource management practices. They must be a member of the AFS Parent Society as well as the Oregon Chapter. This award will be presented to a maximum of one person per year.

### **Fishery Worker of the Year**

This is one of the Chapter's highest individual awards for fisheries professionals. Nominees must be AFS members in good standing who are responsible for substantial single or sustained accomplishments above and beyond their regular job, often spanning many years. Nominations should indicate how efforts are related to the goals of guiding and influencing sound resource practices.

### **Fishery Team of the Year**

This award recognizes outstanding teams that merit acknowledgement for excellent work beyond an Award of Merit. The stringent award criteria are similar to the Fishery Worker of the Year, but for team efforts. This award recognizes the collaborative efforts to understand and manage fisheries resources, and that these efforts frequently cross geographic, disciplinary and socioeconomic boundaries. At least one nominee of the team must be an AFS member in good standing. The team or group must have

been responsible for substantial single or sustained accomplishments. Each member of the team nominated must have produced a substantial portion of the work. Nominations should indicate how they are related to the goals of guiding or influencing sound resource practices. To demonstrate equivalent contributions, describe substantive contributions of each member of the team.

### **Award of Merit**

This award recognizes individuals, groups, or organizations that have made special contributions, above and beyond normal job requirements, to fisheries science or the American Fisheries Society over one or more years. Successful nominees display evidence of creativity, cooperation and results. Nominees do not need to be AFS members.

### **Bill Wingfield Memorial Award in Fish Culture**

Nominees should be **individuals or groups** that have contributed significantly to advancing fish culture (including fish health) in Oregon. AFS members or non-members may be nominated.

### **Broken Oar Award**

Everyone's favorite award, and just for fun, the Broken Oar Award is presented for "outstanding display of field technique and coordination." No doubt you already have some nominees in mind from this year's field season! AFS members or non-members may be nominated.

**[DEADLINE FOR NOMINATIONS IS December 31, 2021.](#)**

## BECOME A PART OF THE LEGACY!

### NOMINATIONS OPEN FOR THE 2022-2023 EXCOM



OR AFS is a premier Chapter of the American Fisheries Society and serving on the OR AFS ExCom is a great way to become an integral part of the legacy. While the Chapter will most certainly benefit from your service, successful candidates have a lot to gain including:

- A great resume booster, highlighting your leadership and dedication to the profession
- Networking opportunities with a diverse and enjoyable group of folks
- A meaningful way to give back to a chapter that has benefited your career

Officer terms are 1 to 2 years (except President-elect, which is 3 years), but officers often run for a repeat term. Each position has different qualities and expectations to meet your needs and interests.

Descriptions for the positions open to election for the 2022-2023 term are:

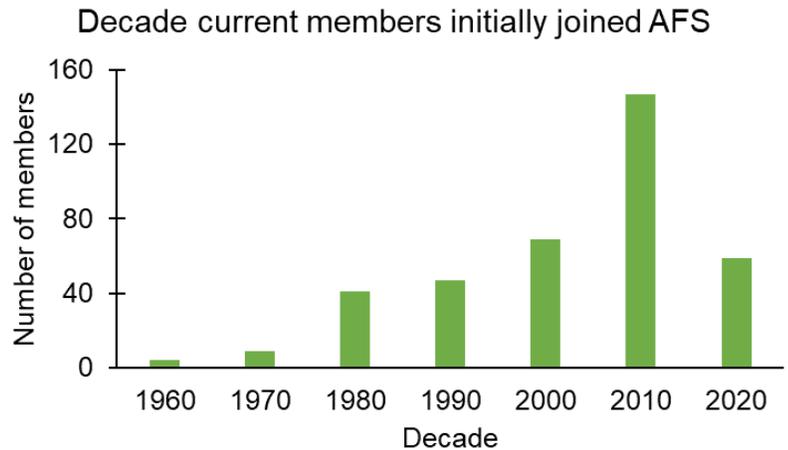
- **President-elect** serves 1 year *each* as President-elect (manage annual meeting), President (manage ExCom), and Past President (nominations, trade show, newsletter).
- **Vice President** is responsible for resolutions and bylaws, student coordination, and overseeing the raffle-auction for the annual meeting.
- **Secretary** keeps the official records of the Chapter. Responsible for meeting minutes, annual meeting registration management, and maintaining accurate membership information.
- **Internal Director** manages the internal committees (i.e., historian, scholarships and awards) and coordinates logistical elements of the annual meeting.
- **External Director** manages and motivates external committees including the development of work plans and budgets.

#### **How can I become a candidate or how can I nominate someone I think would be a good candidate?**

If you are interested in a position, or if you know someone who may be interested in being a candidate, contact Past President Peter Stevens. Please provide your contact information and the position of interest. Nominations and statements are due by **Saturday, December 31, 2021** to Peter Stevens at [pastpresident@orafs.org](mailto:pastpresident@orafs.org). For detailed information on positions and duties, see the Chapter's [Administrative Handbook](#).

## MEMBERSHIP UPDATE

As of October 2020, we have 376 members in the Oregon Chapter of the American Fisheries Society. What is amazing about our membership, is the diversity and longevity of members. We have a member who initially joined AFS in 1964! I have provided a breakdown below of the decade which our members initially joined AFS. The average member has a 15-year affiliation with the Society. There is such a wealth of information from our longtime members and bursts of new energy and ways of thinking from members just joining us. Working together, we have the opportunity to benefit fishes and habitats within Oregon, along with meeting like minded people. Please remember that you receive a reduced registration fee for our Annual Meeting with your membership along with many other benefits (which are summarized at [fisheries.org/membership/](http://fisheries.org/membership/)). If you want to become a lifetime member of OR AFS, have questions about your membership, or other membership ideas, please contact our chapter secretary.



Andrea Carpenter, Secretary  
[Secretary@orafs.org](mailto:Secretary@orafs.org)

*Distribution of OR AFS members based upon when they joined AFS. Our longest standing member has been with AFS since 1964, which is 58 years of expertise!*

## ORAFS LIFE MEMBERSHIPS AVAILABLE!

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](mailto: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 OR AFS 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@state.or.us](mailto:stacy.a.strickland@state.or.us). **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.

**2021-2022 OREGON CHAPTER AFS  
EXECUTIVE COMMITTEE OFFICERS  
(ORAFS EXCOM)**

**President:** Scott Heppell  
541-737-1086; president@orafs.org

**President-Elect:** Christine Hirsch;  
presidentelect@orafs.org

**Past President:** Peter Stevens  
847-421-7994; pastpresident@orafs.org

**Vice President:** Victoria Quenessen;  
vicepresident@orafs.org

**Secretary:** Andrea Carpenter  
secretary@orafs.org

**Treasurer:** Adrienne Averett; treasurer@orafs.org

**External Director:** Ryan Branstetter  
503-238-0667; externaldirector@orafs.org

**Internal Director:** Peggy Kavanagh  
541-231-8976; internaldirector@orafs.org

**OSU Student Rep:** Annika Carlson & Caleb Yann  
osustudentrep@orafs.org

**MHCC Student Rep:** Gina Maag  
mhcc.orafs.subunit@gmail.com

**EXTERNAL COMMITTEE CHAIRS**

**Climate Adaptation:** Kara Anlauf-Dunn; Kara.Anlauf-Dunn@oregonstate.edu

**Diversity, Equity, and Inclusion:** Gabe Sheeships  
gabesheships@gmail.com

**Education and Outreach:** Ryan Battleson  
541-826-8774 x226; ryan.d.battleson@odfw.oregon.gov

**Fish Culture:** Ryan Couture  
541-757-5228; ryan.b.couture@odfw.oregon.gov

**Freshwater Habitat:** Cory Sipher  
541-464-3249; cory.sipher@gmail.com

**Legislative Committee:** Troy Brandt  
503-307-8367; tbrandt@riverdesigngroup.net

**Marine Habitat & Ecology:** Michael Harte & Kelly  
Lawrence; mharte@coas.oregonstate.edu,  
kelly.a.lawrence@odfw.oregon.gov

***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.*

**Native Fish:** Jim Capurso  
503-808-2847; jcapurso@fs.fed.us

**Natural Production:** Ian Tattam  
541-575-1167; Ian.A.Tattam@odfw.oregon.gov

**Social Media:** Demian Ebert  
503-813-6625; Demian.Ebert@pacificorp.com

**INTERNAL COMMITTEE CHAIRS**

**Awards:** Brian Bangs  
541-908-1538; Brian\_Bangs@fws.gov

**Financial Sustainability:** Tony Siniscal & Troy Brandt  
anthony.siniscal@noaa.gov, tbrandt@riverdesigngroup.net

**Scholarships:** Gwen Bury, 541-215-8417,  
gwendbury@gmail.com

**Resolutions and Bylaws:** Victoria Quenessen;  
vicepresident@orafs.org

**AFS / TWS Liaison:** Laura Tesler  
503-947-6086; Laura.Tesler@odfw.oregon.gov

**EXTERNAL SUPPORT PERSONNEL**

**Webmasters:** Emma Garner  
webmaster@orafs.org

**INTERNAL SUPPORT PERSONNEL**

**Historian:** Mike Gauvin  
michael.w.gauvin@odfw.oregon.gov

**Newsletter Editor:** Stacy Strickland  
541-325-5343; stacy.a.strickland@odfw.oregon.gov

*Additional contact information (mailing addresses, fax numbers) for all officers, committee chairs, and support personnel are available at: <http://orafs.org> under "Officers & Committees".*



**Oregon Chapter of the American Fisheries Society**

[www.orafs.org](http://www.orafs.org)

**CHANGE OF ADDRESS & MEMBERSHIP APPLICATIONS:**

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



The  
 AMERICAN FISHERIES SOCIETY  
*hereby recognizes the*  
*Oregon Chapter*

*as officially and duly chartered by the parent society*

The American Fisheries Society, the oldest professional society in North America dealing with the natural resources, was organized in 1870. Among its objectives are conservation, development and wise utilization of the fisheries, promotion of the educational, scientific, and technological development and advancement of all branches of fisheries science and practice, and exchange and dissemination of knowledge about fish, fisheries, and related subjects.

President *Edna A. Scammon*  
 Executive Secretary *Robert F. Hutton*

Date of Charter  
 March 10, 1964

