



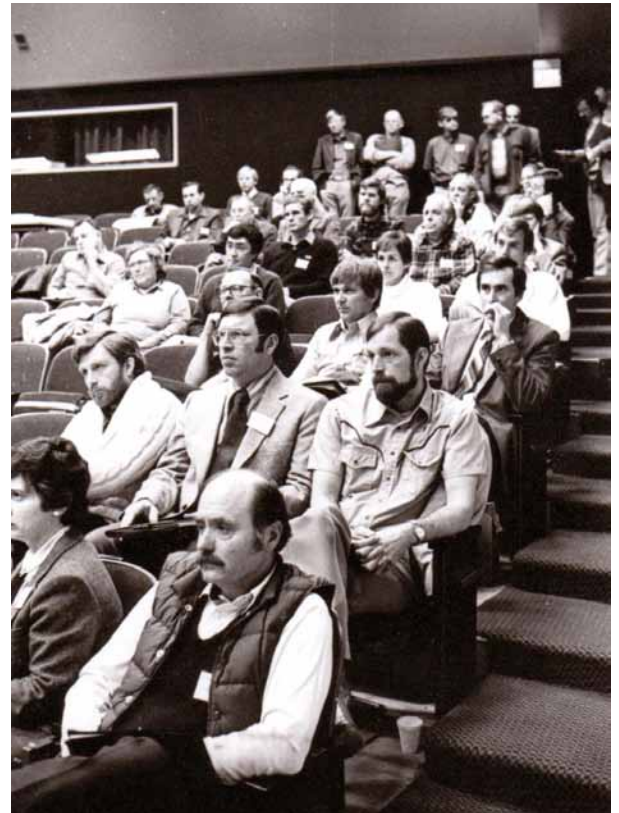
February 25–28, 2014

Eugene, Oregon

Program printing sponsored by



Let's turn the answers on.



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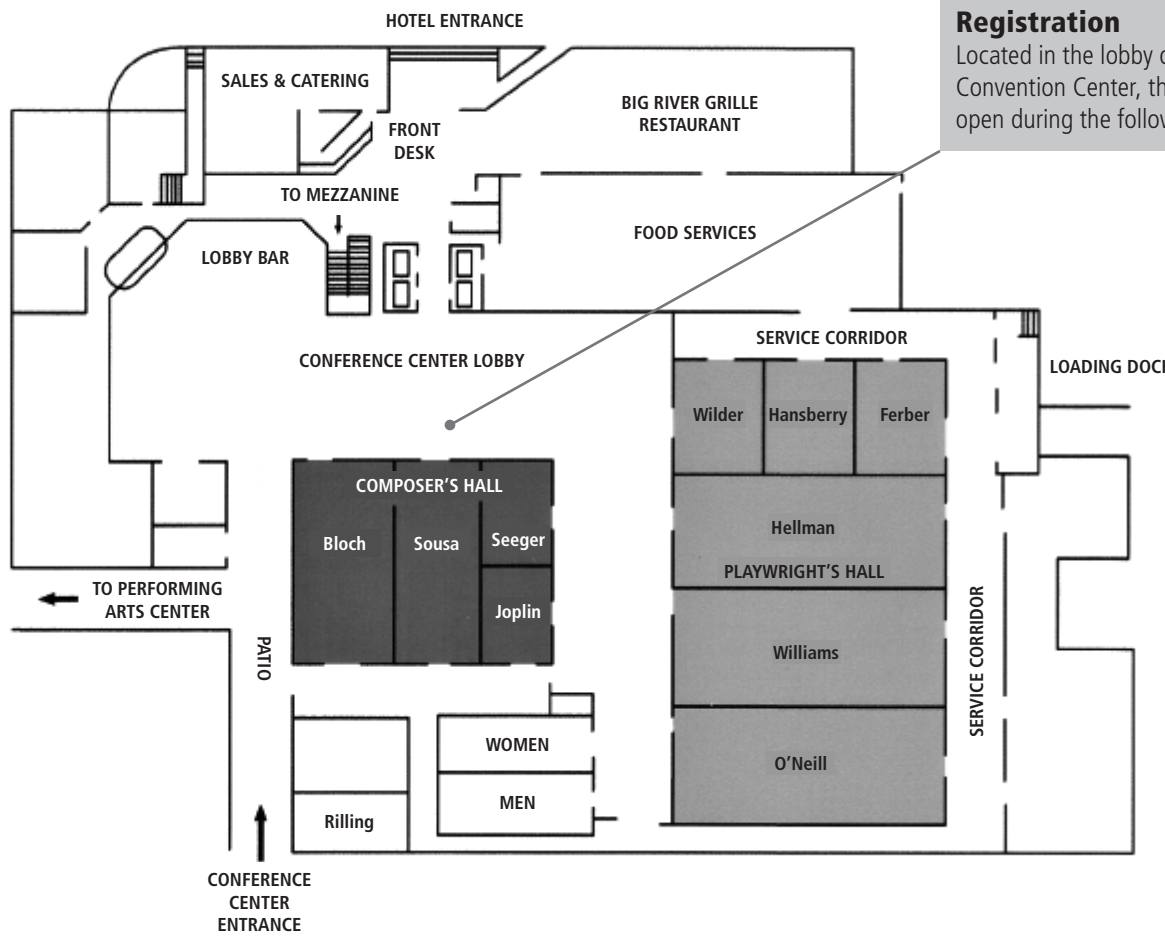
SCHEDULE AT A GLANCE

TUESDAY, FEBRUARY 25		
11:00 a.m. – 5:00 p.m.	Registration / Information	Lobby
1:00 p.m. – 5:00 p.m.	Workshops (3)	Bloch/Sousa/Wilder
3:00 p.m. – 3:20 p.m.	Coffee and Refreshment Service	Lobby
5:00 p.m. – 6:00 p.m.	Workshop Social	Vistas II
WEDNESDAY, FEBRUARY 26		
7:00 a.m. – 6:30 p.m.	Registration / Information / Sales Desk Open	Lobby
7:00 a.m. – Noon	Coffee and Refreshment Service	Lobby
8:00 a.m. – 12:00 p.m.	Workshops (3)	Bloch/Sousa/Wilder
8:00 a.m. – 2:30 p.m.	Trade Show Display Setup	Lobby
12:00 p.m. – 7:30 p.m.	Poster Session Setup	Hellman
1:00 p.m. – 2:30 p.m.	Plenary Session	O’Neill/Williams
2:30 p.m. – 3:00 p.m.	Break and Refreshment Service	Lobby
2:30 p.m. – Midnight	Trade Show	Lobby
3:00 p.m. – 5:00 p.m.	Concurrent Sessions (4)	
6:00 p.m. – 7:30 p.m.	Student-Mentor Mixer	Vistas I
6:00 p.m. – 7:30 p.m.	Retiree Social	Boardroom
8:00 p.m. – Midnight	Poster Session and Trade Show Social	Williams/Hellman/Lobby
10:00 p.m. – Midnight	Acoustic Jam Session	Williams/Hellman
THURSDAY, FEBRUARY 27		
7:00 a.m. – 5:00 p.m.	Registration / Information / Sales Desk Open	Lobby
7:30 a.m. – 8:00 a.m.	Coffee and Refreshment Service	Lobby
7:00 a.m. – 8:00 a.m.	Spawning Run / Carcass Crawl	Lobby
8:00 a.m. – 6:00 p.m.	Trade Show	Lobby
8:00 a.m. – 10:00 a.m.	Concurrent Sessions (4)	
10:00 a.m. – 10:20 a.m.	Break and Refreshment Service	Lobby
10:20 a.m. – 12:20 p.m.	Concurrent Sessions (4)	
12:30 p.m. – 1:45 p.m.	Awards Luncheon (no charge), Professional Awards, Scholarship Awards	O’Neill/Williams
1:45 p.m. – 2:45 p.m.	OR AFS Business Meeting	O’Neill/Williams
2:45 p.m. – 3:00 p.m.	Break and Refreshment Service	Lobby
3:00 p.m. – 5:00 p.m.	Concurrent Sessions (4)	
5:00 p.m. – 6:00 p.m.	50 th Anniversary Happy Hour	Lobby
6:00 p.m. – 6:30 p.m.	Banquet Social	Playwright’s Hall
6:00 p.m. – 8:30 p.m.	Silent Auction	Playwright’s Hall
6:30 p.m. – 9:00 p.m.	Banquet, Awards, Oral Auction, Raffle	Playwright’s Hall
9:00 p.m. – 12:30 a.m.	Texas Hold’em Fundraiser	Playwright’s Hall
9:00 p.m. – 12:30 a.m.	Entertainment – The Deb Cleveland Band	Playwright’s Hall
FRIDAY, FEBRUARY 28		
8:00 a.m. – Noon	Registration / Information / Sales Desk Open	Lobby
8:00 a.m. – 11:00 a.m.	Coffee and Refreshment Service	Lobby
8:00 a.m. – 10:20 a.m.	Trade Show	Lobby
9:00 a.m. – Noon	Concurrent Sessions (4)	



VOTE FOR YOUR 2015 EXECUTIVE COMMITTEE
RETURN BALLOTS BY 1:45 P.M. THURSDAY, FEB. 27, TO REGISTRATION DESK

Hilton Eugene Conference Center



Registration

Located in the lobby on the first floor of the Convention Center, the registration table will be open during the following hours:

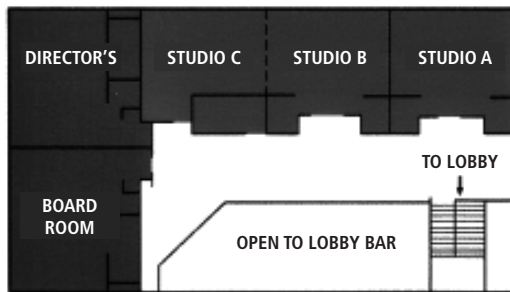
Tues., Feb. 25
11:00 AM – 5:00 PM

Wed., Feb. 26
7:00 AM – 6:30 PM

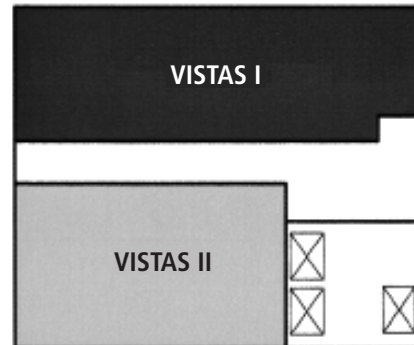
Thurs., Feb. 27
7:00 AM – 5:00 PM

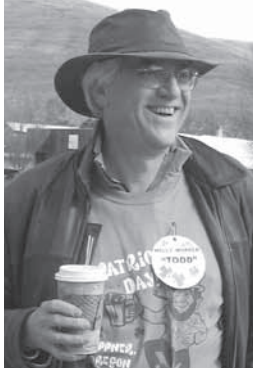
Fri., Feb. 28
8:00 AM – Noon

Hotel Mezzanine



Vistas, 12th Floor





WELCOME to our 50th anniversary annual meeting! Back in 1964, gasoline was twenty-nine cents a gallon, the Ford Mustang was rolled out, the Civil Rights Act was signed, and a small group of fisheries professionals gathered in Corvallis to create the Oregon Chapter of the American Fisheries Society. What began as a forum where fellow scientists and managers could share their expertise soon evolved into an active and respected organization that today is instrumental in shaping aquatic conservation efforts and policy decisions on the local, state, and national stages.

What an honor it is to be the current President of the organization that led the effort to halt the spraying of insecticides in Oregon estuaries; that successfully sponsored legislation to provide tax incentives to protect privately owned riparian lands throughout Oregon; that was instrumental in the listing of the Snake River Chinook and bull trout under the Endangered Species Act; that put the muscle behind the Northwest Forest Plan Aquatic Conservation Strategy; and that has provided grants and scholarships to so many students and educators to further the cause of fisheries education and outreach. I continue to be amazed at what a dedicated bunch of fish squeezers can accomplish when we put our collective heads together, and I am proud to be part of the collective!

It is because of our “strength of many” that we are, and will continue to be, successful in protecting and conserving our aquatic resources, despite the slings and arrows of outrageous fortune that are thrown in our way. An advocate is not always the easiest stance to take. Taking a professional, ethical, and moral stand often leads to confrontation, stress, and pressures to conform to the status quo. I am proud that so many of us are advocates, that we do stand firm upon our convictions, and that the fisheries and watersheds of Oregon are better for it. Being a part of this amazing Chapter, knowing that I do not stand alone, helps me stand a little taller, a little firmer in my resolution, and I hope you feel the same.

I am confident that the President’s Welcome for the 100th anniversary meeting will describe the challenges met, the hurdles overcome, and the accomplishments achieved, all due to their predecessors, us, and those professionals to come;—the members of the Oregon Chapter of the American Fisheries Society. I am also confident that the far distant President will be just as honored as I am to represent you all!

Have a great, informative, interactive, and fun meeting!

TODD BUCHHOLZ

President, Oregon Chapter of the American Fisheries Society

2013-2014 Executive Committee



Todd Buchholz
BLM

The **President** of the Chapter presides at all Chapter meetings, chairs the ExCom, is Chapter Representative to the Western Division and to the Parent Society, and makes such appointments and performs other duties and functions

as authorized and necessary for overall Chapter effectiveness. Also crafts a 1-year work plan and budget, arranges sponsorships, and writes columns for the newsletter.



Mike Gauvin
ODFW

President-Elect chairs the Program Committee and assumes the duties of the President in the event of the President's absence or inability to act. Plans the Annual Meeting theme, program, and presentations.



Jeff Yanke
ODFW

The **Past President** chairs the Nominating Committee and chairs the ExCom if neither the President nor President-Elect is available. Imparts historical wisdom, manages Trade Show, and prepares for retirement.



Kevin McDonnell
OSU

The **Vice President** chairs the Resolutions and Bylaws Committee and assumes the duties of the President-Elect in the event that office is vacated prior to completion of the term. Manages Student Activities and Raffle & Auction committees.



Anthony Siniscal
ODFW

The **Secretary-Treasurer** keeps the official records of the Chapter, collects and banks any funds allotted to the Chapter, and disburses funds as authorized by the ExCom. Manages registration and tracks all other cash flow at the Annual Meeting.



Michele Weaver
ODFW

The **Internal Director** appoints the Historian and Chairs of the Awards and Scholarship committees, and chairs the Arrangements Committee. Manages facility, food breaks, and A/V needs and costs for Annual Meeting.



Holly Huchko
ODFW

The **External Director** supervises and motivates all External Committees. Ensures that committees respond to ExCom (and vice-versa) and participate in Annual Meeting.



Andrew Futerman
OSU

The **Student Subunit Representative** serves as liaison between the Chapter and the approved Student Subunit(s) of the Chapter. Assists Vice President with student planning for Annual Meeting.

2013-2014 Committee Chairs

INTERNAL COMMITTEES

AFS/TWS LIAISONS
Laura Tesler (ODFW)

AWARDS
Colleen Fagan (ODFW)

RESOLUTIONS & BYLAWS
Kevin McDonnell (OSU)

HISTORIAN
Don Ratliff (PGE)

INVESTMENT
Anthony Siniscal (ODFW)

NEWSLETTER EDITOR
Allison Evans (OSU)

NOMINATING
Jeff Yanke (ODFW)

SCHOLARSHIPS
Scott Heppell (OSU)

WEBMASTER
Michael Meeuwig (ODFW)

EXTERNAL COMMITTEES

EDUCATION & OUTREACH
Karen Hans / Shannon Richardson (ODFW)

FISH CULTURE
Ryan Couture (ODFW)

FRESHWATER HABITAT
Bill Wall (USFS)

LEGISLATIVE
Jeremiah Osborne-Gowey (Feather River Consulting)

MARINE HABITAT & ECOLOGY
Scott Heppell (OSU)

NATIVE FISH
Jim Capurso (USFS)

NATURAL PRODUCTION
Gary Vonderohe / Ian Tattam (ODFW)

LEGISLATIVE LIAISON
Sue Marshall (Trillium Consulting)

Contact information available at orafs.org

Reflecting on Our Past, Focusing on Our Present, Preparing for Our Future

It has been my honor and privilege to serve as the program chair for the 50th anniversary meeting. I hope that this meeting will provide all of you a chance to appreciate our Chapter's history, reinvigorate traditions, and bind the generations together with a celebration of our past successes and anticipation of future ones to come. Certainly, the Chapter will continue to be a platform where professionals can share their latest discoveries and build the skills to face future challenges.

I am excited to announce our plenary speakers and I am thankful they have taken the time to come and talk to us. They are three members of the fisheries management world that have demonstrated exemplary effort, not only to further the cause of fisheries management, but also with the time and energy they have given to this Chapter over the years. I am humbled to have one of the founding fathers of the Oregon Chapter, Dr. Howard Horton, be our opening speaker for the plenary session. With decades of experiences to share, Dr. Horton certainly will set the bar and provide the context for the meeting. Kat Brigham, Confederated Tribes of the Umatilla Indian Reservation, has a lifetime of experience dealing with Columbia River management. Ms. Brigham's perspective as a tribal member and a fisheries manager will provide us with a unique and essential perspective. After a 30 year career with ODFW, Jim Martin has never slowed down. He is the Conservation Director of Berkley Conservation Institute, a science and policy advisor for the Northwest Sportfishing Industry Association, a leader and advocate of fish resources, and is certain to provide a thought provoking discussion.

As we began the planning of the annual meeting I knew that I wanted to highlight the history of the Oregon Chapter. For many years, the Chapter's history has been spread across the state in boxes, basements, offices, and attics. Our Historian (Don Ratliff) has been working diligently throughout this year, with help from many

volunteers, to go through the files and folders and collect the documents, data, and memorabilia. It was a bit of a challenge at times, but I am happy to report that we now have all the gathered documentation officially cataloged



Mike Gauvin
PROGRAM CHAIR
2014 ANNUAL MEETING

and preserved in the archives at the Oregon State University library. A special thanks to our History Committee, Don Ratliff, Jim Hall, Holly Huchko, Gary Vonderohe, and Michele Weaver, for spending countless volunteer hours looking at old photos and documents, which ultimately resulted in some fabulous history displays for your enjoyment. Please take the time to browse the displays that will be set up throughout the annual meeting, maybe you will find someone you haven't seen in years or be surprised by how young you once looked, some of you may even enjoy looking at the youthful style your mentor once displayed.

It has been an interesting journey exploring the old records and photographs that helped to retell the story of our Chapter. Black suits, white shirts, black ties, and thick black framed glasses were the normal attire of fish biologist of the 1960s (or at least it appeared that way in the old black and white photos), one can't beat the 1970s style with fabulous plaids, mutton chops and long hair, the 1980s had some really interesting hair and beard styles, since the 1990s and modern day our style is dominated by t-shirts, jeans, goatees and fleece vests, with a sportscoat and tie worn from time to time. Through the years our clothing, hair, and beer consumption may have changed (well maybe not our beer consumption), but many of the issues that were faced by our predecessors are relevant today. The one thing that connects the past, present, and future is our passion for the resource, the fish.

Enjoy the meeting, relive the past, engage in today, and think about how you can make a difference tomorrow. You are part of the legacy of this Chapter; you make the difference. Enjoy!

2014 Annual Meeting
PLANNING COMMITTEE

PLANNING COMMITTEE CHAIR

Mike Gauvin (ODFW)

ANNUAL BUSINESS MEETING

Todd Buchholz (BLM)

BUDGET

Todd Buchholz (BLM)

FACILITY & FOOD ARRANGEMENTS

Michele Weaver (ODFW)

IMBIBEMENTSMike Harrington (ODFW)
Gary Vonderohe (ODFW)
Karen Hans (ODFW)
Neil Ward (QW Consulting)**POSTER CHAIR**

Kevin McDonnell (OSU)

PROGRAM GUIDE

Mike Gauvin (ODFW)

RAFFLE & AUCTIONKevin McDonnell (OSU)
Luke Schultz (OSU)
Luke Whitman (ODFW)**REGISTRATION**

Tony Siniscal (ODFW)

SIGNS & BANNERS

Michele Weaver (ODFW)

SPONSORSHIPS

Todd Buchholz (BLM)

STUDENT COORDINATION & ACTIVITIES

Kevin McDonnell (OSU)

STUDENT PAPER JUDGING

Brooke Silver (USFWS)

TECHNICAL PROGRAM

Mike Gauvin (ODFW)

TEXAS HOLD'EM

Ken Loffink (ODFW)

SPAWNING RUN / CARCASS CRAWLJason Seals (ODFW)
Shannon Richardson (ODFW)**VENDOR EXHIBITS**

Jeff Yanke (ODFW)

WEBSITE & ONLINE ABSTRACT SERVICE

Mike Meeuwig (ODFW)

WORKSHOPS

Holly Huchko (ODFW)

HISTORY EXHIBITSDon Ratliff (PGE)
Jim Hall (OSU)
Holly Huchko (ODFW)
Michele Weaver (ODFW)
Gary Vonderohe (ODFW)

50 Years in the Rear-View Mirror

More than 50 years ago, 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 establish the Oregon Chapter of the American Fisheries Society—now one of the largest and most decorated chapters in the country.



Dr. Howard Horton

We are fortunate to have the founding father of the Oregon Chapter leading off our plenary session to talk about the early years of the Chapter and provide us a perspective that only a distinguished professional with over five decades of experience can provide. From 1958 to 1990, Dr. Horton was a professor and researcher in the Department of Fisheries and Wildlife at Oregon State, where he mentored 34 graduate 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.

Outside of Oregon State University he has been the U.S. Court Technical Advisor for Oregon and Western Washington for over 30 years and the State of Oregon Representative of the North Pacific Research Board. He has received numerous professional awards for his research and contributions to fisheries management. If all of that weren't enough, he also owned and operated a commercial albacore tuna troller. We are excited and humbled to have Dr. Horton as a plenary speaker for the 50th anniversary meeting.

Tribal Vision Through Partnerships and Collaboration

N. Kathryn “Kat” Brigham is one of the founding members of the Columbia River Intertribal Fish Commission (CRITFC). She has served as a commissioner since 1977, and she was selected by leaders from the Umatilla, Yakama, Nez Perce, and Warm Springs tribes to lead CRITFC as chairwoman for two separate terms. Ms. Brigham currently serves as the secretary



Kat Brigham

of the Board of Trustees, which is the governing body for the Confederated Tribes of the Umatilla Indian Reservation, and as chair of her tribe's Fish and Wildlife Committee.

A staunch advocate for protecting the 1855 Tribal Treaty, which includes the right of taking fish at all usual and accustomed areas, Ms. Brigham was first appointed to the Umatilla Tribe's Fish and Wildlife Committee in 1976. During her tenure at CRITFC, she has been instrumental in the implementation of the 1976 memorandum of agreement with the Bonneville Power Administration and the tribes, the U.S. v. Oregon Columbia River Fish Management Plans, the Pacific Salmon Treaty, and the Northwest Power Act.

As a young adult, she accompanied her grandfather, Sam Kash Kash, to meetings where she was introduced to fisheries issues. There, he instilled in her the need to protect fisheries resources for the next seven generations. Ms. Brigham's perspective and history with fisheries management issues in the Columbia River, where she regularly fishes with her family, are certain to educate us all.

The Oregon Chapter ... Leadership in a Hurricane of Change

Jim Martin retired after 30 years with the Oregon Department of Fish and Wildlife (ODFW), and he now works as conservation director for the Berkley Conservation Institute, a branch of Pure Fishing. Pure Fishing is the largest fishing tackle company in the world and an industry leader in conservation advocacy.









Jim Martin

During his career with ODFW, Mr. Martin spent six years as chief of fisheries and three years as salmon advisor to Governor John Kitzhaber. He led the team that developed the Oregon Plan for Salmon and Watersheds, a state conservation effort to address endangered species and clean water issues in Oregon.

Mr. Martin has a bachelor's degree in wildlife and a master's degree in fisheries from Oregon State University. He formerly held a courtesy appointment at OSU, where he taught Natural Resource Problem Solving in the Department of Fisheries and Wildlife, and he served as Chairman of the Board of the Theodore Roosevelt Conservation Partnership.

He is currently a science and policy advisor for the Northwest Sportfishing Industry Association. Inducted into the National Freshwater Fishing Hall of Fame in Hayward, Wisconsin, in 2005, and recognized for lifetime achievement as an alumni fellow by Oregon State University in 2011, Mr. Martin is a dynamic and thought-provoking speaker who is sure to inspire us all.

ORAFS Presidents 1964–2014

									
Howard Horton 1964-65	Bob Borovica 1965-66	Carl Bond 1966-67	Bob Phillips 1967-68	Dean Marriage 1968-69	Bob Corthell 1969-70	Leon Murphy 1970-71	Rollie Rousseau 1971-72	Paul Reed 1972-73	Al Mills 1973-74
									
Del Skeesick 1974-75	Bill Saltzman 1975-76	Chris Christianson 1976-77	Chuck Walters 1977-78	Don Clark 1978-79	Fred Everest 1979-80	Art Oakley 1980-81	Jim Fessler 1981-82	Bill McNeil 1982-83	Jim Newton 1983-84
									
Don Ratliff 1984-85	Nancy MacHugh 1985-86	John Anderson 1986-87	Steve Smith 1987-88	Krystyna Wolniakowski 1988-89	Gordon Reeves 1989-90	Dan Bottom 1990-91	Alec Maule 1991-92	Phil Howell 1992-93	Rich Carmichael 1993-94
									
Bob Hughes 1994-95	Kirk Schroeder 1995-96	Tom Backman 1996-97	Hal Weeks 1997-98	Tim Hardin 1998-99	Dave Hohler 1999-00	Denny Lassuy 2000-01	Tony Faast 2001-02	Mary Buckman 2002-03	Dave Ward 2003-04
									
Doug Olsen 2004-05	Barry McPherson 2005-06	Mike Reed 2006-07	Doug Young 2007-08	Neil Ward 2008-09	Rich Grost 2009-10	Demian Ebert 2010-11	Colleen Fagan 2011-12	Jeff Yanke 2012-13	Todd Buchholz 2013-14





Student-Mentor Mixer

**Wednesday, February 26..... 6:00–7:30 PM
Vistas I**

After the sessions on Wednesday afternoon, we will be having our Student-Mentor Mixer. This is a great time for students to meet professionals to ask questions, get advice, build relationships, and network. If you decide to sign up as a mentor and forgot to do so when you registered for the meeting, check at the registration desk to see if there are spaces available. The mixer is a great opportunity for students, young biologists, and established professionals to share ideas, provide insight, bridge generation gaps and build new relationships. It is a rewarding experience for all.

Retirees Social

**Wednesday, February 26..... 6:00–7:30 PM
Boardroom**

Also on Wednesday, we are hosting a Retirees Social. This social is a time for retirees or “old timers” to gather together to catch up with old colleagues and rekindle old friendships. This social will last for an hour and a half and then will be combined with the Poster Session and social event, where all of our meeting attendees will mix and mingle.

Poster Session and Trade Social Event

**Wednesday, February 26..... 8:00 PM–Midnight
Williams/Hellman/Lobby**

Promised to be another historic event! The poster session is on Wednesday evening. Interact with poster presenters, share ideas, and network with peers. The trade show will also be set up so that you can connect with vendors who provide us the cutting-edge tools of today. Of course, it is also social, so be sure to imbibe the complimentary beer and wine, and who knows—maybe an Acoustic Jam Session will spontaneously begin!

Spawning Run and Carcass Crawl

**Thursday, February 27..... 7:00 AM
Lobby**

After a long hiatus, the Spawning Run 5K is back for the 50th anniversary celebration. In addition, we are having a 2-mile Carcass Crawl fun walk. So join in the fun and go for a run (or walk). Get your blood flowing and your mind open for a great day of talks. The run/walk

will be held at 7:00 a.m., so be sure to dress appropriately. Information and course routes are available at the registration desk. Runners and walkers will gather near the registration desk in the lobby; the run/walk will begin and end at the Hilton.

50th Anniversary Happy Hour

**Thursday, February 27..... 5:00–6:00 PM
Lobby**

After a full day of talks, nothing will help you to unwind better than a complimentary beverage. Gather in the lobby before the banquet to chat with your colleagues about the presentations you listened to, check out the history displays, visit a vendor, and get ready for the good food and fun night ahead.

Raffle, Auction, and Banquet

**Thursday, February 27.....6:30–9:00 PM
Playwright’s Hall**

Don’t miss out on Thursday night’s events! A banquet ticket is required to receive a banquet meal, but not necessary to participate in the raffle and auction. Be sure to get your raffle tickets, sharpen your pencil for the silent auction items, and be ready for the competitive live auction. Our Raffle Auction Committee has scored some amazing items for this year’s raffle auction, including great gear, guided fishing trips, artwork, and much more. Enjoy the banquet, complimentary craft beer and wine, and live music.

The Deb Cleveland Band

**Thursday, February 27.....9:00 PM–12:30 AM
Playwright’s Hall**

Last time we were in Eugene, we booked The Deb Cleveland Band, and it was a no-brainer to bring them back for our 50th anniversary. The Deb Cleveland Band is Eugene’s funk, blues powerhouse. Deb is recognized as the regional Queen of Voice, having been voted *Eugene Weekly’s* best blues singer multiple times and featured on OPB’s Oregon Art Beat. They are the real deal!

Texas Hold’em Fundraising Tourney

**Thursday, February 27.....9:00 PM–12:30 AM
Playwright’s Hall**

Help support the chapter and join in on the Texas Hold’em tournament. This will be held right after the conclusion of the raffle and auction. Great blues playing in the background, free beer in your hand, the chance to win great prizes, show your poker prowess and be crowned the 50th Anniversary Champion! If you didn’t sign up during online registration, go to the registration desk and sign up for the tourney (\$25 registration fee). It is a great time!

Admission to socials requires a conference name badge.

Come and Join in the Fun!

Win prizes, compete against your friends, support the Chapter!



One of our members looked out of a cabin one afternoon to see his three fish biologist friends busy fishing ... wearing only boots, fishing vests, and hats. When he returned, he had the now famous "Be cool, fish naked" hat custom made. It's been auctioned off many years to raise funds for the Chapter. It's your turn to win it and wear it with pride.

★ **Special Raffle for: Franchi - Affinity Semi-Auto Shotgun** ★



Sage – 6060 Fly Reel • Sims & Sitka Jackets • Echo Fly Rods • Tomelleri Prints • Framed and Signed Art • Original Chinook Art Work • Freshwater Illustrated Prints • Original Antler Art/Lamp • Guided Fishing Trips • And More!



Fishin' Hole Challenge

Show off your skills!
Win tickets for special raffle items.

Please Welcome Our 2014 Vendors!

Biomark, Inc.
Boise, Idaho
208-955-6778 | kirstyn.mckay@biomark.com

Biomark specializes in RFID tag (PIT tag) and related PIT tagging equipment for the fisheries and wildlife communities and integrates these products by designing, manufacturing, installing and maintaining the systems that detect the tags at specific and strategic locations for invaluable data collection and comprehensive results. Biomark also provides specialized biological services to the fish and wildlife research community. These services include tagging fish and wildlife, study execution, and report writing.

Bio-Oregon
Longview, Washington
360-556-0811 | loren.jensen@bio-oregon.com

Established in 1937, Bio-Oregon has become a leading manufacturer of high quality salmonid feeds for use in enhancement hatcheries and commercial aquaculture. Our feeds are formulated to provide maximum palatability, successful first start, and low feed conversion rates. Bio-Oregon's production facilities have recently become the first in North America to achieve Best Aquaculture Practices (BAP) certification. The BAP standard addresses environmental and social responsibility, animal welfare, food safety and traceability in a voluntary certification program.

LOTEK Wireless
Newmarket, Ontario, Canada
905-836-6680
Larry Egan, legan@Lotek.com

Lotek Wireless is a world leader in the design and manufacture of fish and wildlife telemetry systems. Lotek's innovative and internationally recognized radio, acoustic, archival and satellite monitoring solutions allow researchers to track animals of almost any size, in almost any environment. Lotek will be showcasing their extensive line of telemetry equipment, including new radio receivers, latest acoustic receivers, combined acoustic/radio tags, and new advanced acoustic positioning systems.

Oregon RFID
Portland, Oregon
503-788-4380 | teddy@oregonrfid.com

Oregon RFID provides quality equipment at affordable prices and provides support by phone and email to help set up your site.

Rainier Hydro Solutions
Vancouver, Washington
360-576-4830 | sscott06@earthlink.com

A partnership of fish passage experts and manufacturers that have developed fish protection systems for dams and other water related facilities.

River Design Group, Inc.
Corvallis, Oregon
541-738-2920 | tbrandt@riverdesigngroup.net

River Design Group, Inc. (RDG) is a private consulting firm specializing in river, stream, and wetland restoration projects in the Pacific Northwest and Intermountain West states. Headquartered in Whitefish, Montana, with a second office in Corvallis, Oregon, RDG maintains the highest level of technical expertise and a well-trained staff that works exclusively in the river environment. In addition to restoration work, our expertise extends to geomorphic characterization, river corridor habitat enhancement, dam removal, and fish passage and screening.

Smith-Root, Inc.
Vancouver, Washington
360-573-0202 | pcooney@smith-root.com

Smith-Root has been a member of the aquatic resource conservation community for more than 50 years. With on-site manufacturing facilities in Vancouver, Washington, Smith-Root produces a full-line of electrofishing, fish guidance, and electroanesthesia equipment to aid researchers, managers, and hatchery personnel in fish restoration and research projects.

Upper Snake River Tribes Foundation (USRT)
Boise, ID
208-608-4131 | heather@usrf.org

Compacting members of Upper Snake River Tribes (USRT) include the Burns Paiute Tribe of the Burns Paiute Indian Reservation, the Fort McDermitt Paiute and Shoshone Tribe of Oregon & Nevada, the Shoshone-Paiute Tribes of the Duck Valley Indian Reservation, and the Shoshone-Bannock Tribes of the Fort Hall Indian Reservation. The USRT Compact works to ensure the protection, enhancement, and restoration of natural and cultural resources, activities, and rights of the Compacting Tribes that are reserved by Treaties and Executive Orders, protected by federal laws and agreements, or are the subject of aboriginal claims asserted by the Tribes. The USRT Charter directs the USRT Foundation work to restore the Snake River Basin to a natural condition and facilitate tribal unity to protect and nurture all Compacting Tribes rights, languages, cultures, and traditions.

Whitney Equipment Co., Inc.
Bothell/Vancouver, Washington
800-225-2580 | Jmorse@weci.com

For the past 40 years Whitney Equipment has supported utilities and industries throughout the Northwest. During the last 15+ years Whitney Equipment has been tasked with designing, supplying, and maintaining many unique projects for fish protection, attraction, spawning ground restoration, and rearing. Our team of engineers, sales, service, and support personnel can assist when projects require pumping, screening, flow control, and much more.

Start Time | Session Titles – Room

Start Time	Session Titles – Room			
TUESDAY, FEBRUARY 25				
1:00 p.m.	Concurrent Workshops – Bloch/Sousa/Wilder			
5:00 p.m.	Workshop Social – Vistas II			
WEDNESDAY, FEBRUARY 26				
1:00 p.m.	Plenary – O’Neill/Williams			
2:30 p.m.	< Break >			
3:00 p.m.	Riparian Management	Fish Conservation	Marine and Estuaries	Is It Getting Hot in Here? Potential Effects of Climate Change
6:00 p.m.	Student-Mentor Mixer – Vistas I			
6:00 p.m.	Retirees Social – Boardroom			
8:00 p.m.	Poster Session and Tradeshow Social – Williams/Hellman			
10:00 p.m.	Acoustic Jam Session – Williams/Hellman			
THURSDAY, FEBRUARY 27				
7:00 a.m.	Spawning Run / Carcass Crawl – Lobby			
8:00 a.m.	Fish Culture	New Quantitative Solutions to Old Problems	Everything Lamprey: We’ve Come a Long Way, Baby!	Native Fishes
10:00 a.m.	< Break >			
10:20 a.m.	Fish Culture and Fish Health	New Quantitative Solutions to Old Problems	Everything Lamprey: We’ve Come a Long Way, Baby!	Native Fishes
Noon	Awards Luncheon (no charge), Professional and Scholarship Awards – O’Neill/Williams			
1:45 p.m.	OR AFS Business Meeting – O’Neill/Williams			
2:45 p.m.	< Break >			
3:00 p.m.	Education, Outreach, and Partnerships	Fish Passage Engineering and Innovations	Everything Lamprey: We’ve Come a Long Way, Baby!	Escapement Estimation Methods: 50 Years in the Making
5:00 p.m.	50th Anniversary Happy Hour – Lobby			
6:00 p.m.	Banquet Social – Playwright’s Hall (O’Neill/Williams/Hellman)			
6:00 p.m.	Silent Auction – Playwright’s Hall (O’Neill/Williams/Hellman)			
6:30 p.m.	Banquet, Awards, Oral Auction, Raffle – Playwright’s Hall (O’Neill/Williams/Hellman)			
9:00 p.m.	Texas Hold’em Fundraiser – Playwright’s Hall (O’Neill/Williams/Hellman)			
9:00 p.m.	Entertainment – The Deb Cleveland Band – Playwright’s Hall (O’Neill/Williams/Hellman)			
FRIDAY FEBRUARY 28				
9:00 a.m.	Flatwater Fisheries Management	Habitat Studies and Findings	Fish Reintroduction and Monitoring	Escapement Estimation Methods: 50 Years in the Making
Noon	50th Anniversary Conference Ends			

Help us make the next meeting even better!

Please take a minute to give us your thoughts and comments using the online evaluation form:

www.datagle.com/OregonAFS

ORAL PRESENTATIONS

Technical Sessions, Wednesday, 2/26/14, 3:00-5:00 pm

	Riparian Management	Fish Conservation	Marine and Estuaries	Is It Getting Hot in Here? Potential Effects of Climate Change
Room	O'Neill	Williams	Bloch	Sousa
Moderator	Bill Wall, USFS	Chuck Huntington, Clearwater BioStudies	Scott Heppell, OSU	Jeremiah Osborne-Gowey, Feather River Consulting
3:00 pm	Riparian Conifer Thinning and Burning — To Treat or Not to Treat Bill Wall, USFS	Early-Run Chinook and Chum Salmon in Oregon's Coastal Basins: A Historical Perspective Chuck Huntington, Clearwater BioStudies, Inc.	A 40-Year Shift in Benthic Marine Community Dominance in Yaquina Bay, Oregon Scott Heppell, OSU	Can Air Temperature Be Used to Project Influences of Climate Change on Stream Temperature? Ivan Arismendi, OSU
3:20 pm	Understanding of the Risks and Outcomes of Prescribed Fire Within Riparian Preserves/RHCAs Spencer Ware, USFS	Sex Biased Survival and Differences in Migration of Wild Steelhead (<i>Oncorhynchus mykiss</i>) Smolts from Two Coastal Oregon Rivers Neil Thompson, OSU*	The Juvenile Rockfish of Yaquina Bay, Oregon Amy Jo Lindsley, OSU*	The NorWeST Regional Stream Temperature Database, Model, and Climate Scenarios Dan Isaak, USFS
3:40 pm	Effects of Thinning on Production of Dead Trees and Stand Structure Thomas Spies, USFS	Oregon Coast Coho Salmon – Is There Room for Optimism? Scott Lightcap, BLM	Implications of Geomagnetic Navigation in Pacific Salmon for Marine Fisheries Management Nathan Putman, OSU	Local Variability Explains Vulnerability of Trout Populations to Land Use and Climate Change Brooke Penaluna, USFS
4:00 pm	Riparian Soils – Indicators from the Past to Predict the Future Karen Bennett, USFS	Estimating Productivity and Predicting Adult Returns for the Oregon Coast Coho ESU Ron Constable, ODFW	Development of a Rapid Assessment Method for Nearshore Habitat in Hood Canal, Puget Sound, Washington Demian Ebert, AECOM	Linkages Between Thermal Heterogeneity and Coho Salmon Emergence in Alaska Streams Emily Campbell, OSU*
4:20 pm	The Alsea Watershed Study: Logging and the Response of Habitat and Coastal Cutthroat Trout Over 51 Years Douglas Bateman, OSU	Can Experimental Spill Management Reverse Declines of Snake River Salmon and Steelhead Populations? Steve Haeseker, USFWS	The Effects of Wetland Loss and Conspecific Density on Juvenile Chinook Salmon Foraging in Pacific Northwest Estuaries Aaron David, University of Washington*	Are We Going to Lose the Female Sex? Effects of Exposure to Elevated Temperature on Early Sexual Development in <i>Oncorhynchus mykiss</i> Neil Thompson, OSU*
4:40 pm	Exploring Riparian Forest Controls on Stream Light Availability and Bottom-Up Drivers of Fish Production in Headwater Streams Matthew Kaylor, OSU*	Vessel Wake Stranding on the Lower Columbia River — Status and Potential Mitigation Measures Joe Krieter, ENVIRON	Contribution of Estuary-Resident Life Histories to the Return of Adult Coho Salmon Kim Jones, ODFW	Where the Stream Meets the Road: Prioritizing Culvert Replacement for Fish Passage Rachel Regan, USGS*
5:00pm	The Challenges of Managing and Restoring Riparian Ecosystems in Eastern Oregon Gordie Reeves, USFS	Fish Culture Committee Meeting Ryan Couture, ODFW	Marine Perspectives on Hatchery Chinook Salmon Production in the Columbia River Basin Brian Beckman, NOAA	Legislative Committee Meeting Jeremiah Osborne-Gowey, Feather River Consulting

*Student

AFFILIATION ACRONYMS

AECOM = AECOM Technology Services, Inc.
BLM = Bureau of Land Management
CCUT = Cow Creek Umpqua Tribe
CRITFC = Columbia River Intertribal Fish Commission
CTWS = Confederated Tribes of Warm Springs
ESA = Environmental Science Associates
IDFG = Idaho Department of Fish and Game
NOAA = National Oceanic and Atmospheric Administration

PGE = Portland General Electric Company
OCFWRU = Oregon Cooperative Fish and Wildlife Research Unit
ODFW = Oregon Department of Fish and Wildlife
OSU = Oregon State University
USFS = U.S. Forest Service
USFWS = U.S. Fish and Wildlife Service
USGS = U.S. Geological Survey
WDFW = Washington Department of Fish and Wildlife



VOTE FOR YOUR 2015 EXECUTIVE COMMITTEE
RETURN BALLOTS BY 1:45 P.M. THURSDAY, FEB. 27, TO REGISTRATION DESK

Technical Sessions, Thursday, 2/27/14, 8:00-10:00 am

	Fish Culture	New Quantitative Solutions to Old Problems	Everything Lamprey: We've Come a Long Way, Baby!	Native Fishes
Room	Bloch	Wilder	Hellman	Sousa
Moderator	Kelly Reis, ODFW	Joshua McCormick, ODFW	Bianca Strief, USFWS	Jim Capruso, USFS
8:00 am	National Fish Hatchery Assessment in the Columbia River: Lessons Learned Doug Olson, USFWS	Evaluation of Machine Learning and Other Non-Traditional Modeling Techniques for Forecasting Salmon Returns Joshua McCormick, ODFW	Pacific Lamprey Restoration and the Tribal Perspective; Understanding Through ACTION Brian McIlraith, CRITFC	The Recovery of Oregon Chub: How ESA was Successful, and Our Strategy Post-Delisting Brian Bangs, ODFW
8:20 am	Development of Conservation Hatchery Programs for Imperiled Species (Part 1) William R. Brignon, USFWS*	Length and Condition of Wild Spring Chinook Salmon Smolts Influence Age at Maturity Ian Tattam, ODFW	Anatomy of a Workshop: Creating a Framework to Increase Knowledge on Lamprey Benjamin Clemens, ODFW	The Status of Alvord Chub (<i>Siphateles alvordensis</i>) in the Alvord Desert in SE Oregon and NW Nevada Paul Scheerer, ODFW
8:40 am	Development of Conservation Hatchery Programs for Imperiled Species (Part 2) Jeffery Jolley, USFWS	Upper Willamette River Spring Chinook Prespawm Mortality: Data Synthesis and Prediction of Optimal Management Actions Michael Colvin, OSU	Combining Traditional Knowledge and Western Science to Further Lamprey Research and Conservation in the Umpqua River Basin Kelly Coates, CCUT	Morphological Diversity of the Speckled Dace (<i>Rhinichthys osculus</i>) in Oregon's Desert Springs Erin Peterson, OSU*
9:00 am	Populating Captive Broodstock Programs – Eggs or Parr? Timothy Hoffnagle, ODFW	Accounting for Individual Heterogeneity in Open Jolly-Seber Mark-Recapture Models Tommy Garrison, Cramer Fish Sciences	Exploring the Historical, Current, and Future Distribution of Pacific Lamprey in California Stewart Reid, Western Fishes	A Pain in the Gutt – Considering Bull Trout Energetics in a Lake with Conflicting Costs and Benefits Madeleine Eckmann, OSU*
9:20 am	Vertical Orientation in Chinook Fry May Predict Life History Tactics: Mangement, Conservation, and Fish Culture Implications Julia Unrein, OSU*	Exploring Patterns in Coastal Coho Abundance and Productivity Matt Falcy, ODFW	Redd Counts as a Population Monitoring Tool: Assessing Spatial and Temporal Patterns of Spawning Activity to Determine Appropriate Sampling Methods Luke Schultz, OSU	Growth of Bull Trout from the South Fork of the Walla Walla River: An Assessment of Individual Variability and Differences Between Life History Forms Julianne Harris, USFWS
9:40 am – 10:00 am	Determinants of Downstream Movement Behaviors in Juvenile Spring Chinook Salmon Eric Billman, OSU	Measuring the Effects of Water Level Management on Kokanee in Lake Pend Oreille, ID Using a Bootstrap Stock-Recruitment Model Steve Whitlock, U of Idaho*	The Nature of Stream Substrate Affects the Abundance of Larval Pacific Lamprey (<i>Entosphenus tridentatus</i>) in the Willamette Basin Gabe Sheoships, OSU*	Summertime Movement of Coastal Cutthroat Trout and Pacific Giant Salamanders in Cascade Mountain Headwater Streams Brian VerWey, OSU*

*Student



ORAL PRESENTATIONS

Technical Sessions, Thursday, 2/27/14, 10:20 am -12:20 pm

	Fish Culture and Fish Health	New Quantitative Solutions to Old Problems	Everything Lamprey: We've Come a Long Way, Baby!	Native Fishes
Room	Bloch	Wilder	Hellman	Sousa
Moderator	Kelly Reis, ODFW	Joshua McCormick, ODFW	Bianca Strief, USFWS	Jim Capurso, USFS
10:20 am	The Effect of Diet and Ration on Smolting and Early Male Maturation in White River Spring Chinook Diana Spangenberg, NOAA	A Structured Decision Making Approach for Managing Least Chub in Desert Wetlands Jessica Saenz, OSU*	Pacific Lamprey Passage Considerations and Biological Implications Ann Gray, USFWS	Building the Freshwater Biodiversity Atlas: DNA Barcoding at Riverscape Scales to Identify Conservation Units of Sculpins and Westslope Cutthroat Trout Michael Young, USFS
10:40 am	Innate and Learned Preferences for Natural Stream vs. Ground Water; Implications for Hatchery Practices and Natal Imprinting in Salmonids Andrew Dittman, NOAA	Quantifying Recovery Goals and Action Effects for Southern Eulachon Tom Wainwright, NOAA	Anadromous Sea Lampreys Recolonize a Maine Coastal River Tributary After Dam Removal: Ecosystem Engineers? Robert Hogg, ODFW	New Developments in Biodiversity Research and Bioinformatics at the Oregon State Ichthyology Collection Brian Sidlauskas, OSU
11:00 am	Pathogen and Parasite Survey of Juvenile Salmon Populations in Proximity of Willamette River Basin Hatcheries Sean Roon, OSU*	A New Class of Spatial Statistical Model for Data on Stream Networks: Overview and Applications Dan Isaak, USFS	Pacific Lamprey Abundance and Distribution in Fifteenmile Creek and Recolonization in Hood River After Removal of Powerdale Dam Matt Fox, CTWS	There and Back Again: Trajectories of Change in Native Fish Communities in the Willamette River Stan Gregory, OSU
11:20 am	Assessment of Disease Outbreak Risks in Hatcheries in the Willamette River System: The Health and Epizootics of Three Oregon Hatcheries Over Three Years Michelle Jakaitis, OSU*	Predicting Coho Salmon Marine Survival by Combining Biologic and Oceanographic Data Erik Suring, ODFW	Larval Lamprey Distribution and Habitat Use in Small Stream Channels on the Oregon Coast Steve Starcevich, ODFW	Native Fishes Committee Meeting Jim Capurso, USFS
11:40 am	<i>Nanophyetus salmincola</i> Burdens in Chinook Salmon (<i>O. tshawytscha</i>) Prespawning in the Willamette Basin Crystal Herron, OSU*	Using Radiotelemetry to Estimate Steelhead Abundance and Habitat Use in the Hood River Phil Simpson, ODFW	The Influence of Large Wood Restoration on Larval Lamprey in a Pacific Northwest Stream Rosalinda Gonzalez, OSU*	
12:00 pm – 12:20 pm	Sporulation of <i>Ceratomyxa shasta</i> (Myxozoa) After Death in Adult Chinook Salmon Michael Kent, OSU	Marine Habitat and Ecology Committee Meeting Scott Heppell, OSU	Habitat Associations of Larval Pacific Lamprey in the Willamette River Basin: Implications for Species Recovery Luke Schultz, OSU	

*Student



Technical Sessions, Thursday, 2/27/14, 3:00-5:00 pm

	Education, Outreach, and Partnerships	Fish Passage Engineering and Innovations	Everything Lamprey: We've Come a Long Way, Baby!	Escapement Estimation Methods : 50 Years in the Making
Room	Bloch	Wilder	Hellman	Sousa
Moderator	Stephanie Messerle, BLM	Ken Loffink, ODFW	Bianca Strief, USFWS	Gary Vonderohe, ODFW
3:00 pm	Neanderthal Brain to Homosapien Mind: The Evolution of Social Media in the Science World Maria Thi Mai, BLM	Multi-Species Fish Passage ... Is It Possible? Ken Loffink, ODFW	Pacific Lamprey Spawning and Rearing Habitat in Newly Accessible Reaches of the North Umpqua River Watershed, Oregon Abel Brumo, Stillwater Sciences	Winter Steelhead Monitoring on the Oregon Coast and Lower Columbia: Past, Present, and Future Ryan Jacobsen, ODFW
3:20 pm	STEP Up and Learn About Tools to Help Engage the Community Kevin Herkamp, ODFW	Successful Diversion of Larval Fishes by a Fish Screen and the Impact of Entrainment on Overall Survival Douglas Markle, OSU	Extensive Movement of a River Lamprey in Michigan: Cracking the Code 50 Years Later James Hall, OSU	An Evaluation of an Index Survey Calibration Technique to Estimate Fall Chinook Spawners in the South Fork Coos River, Oregon Brian Riggers, ODFW
3:40 pm	The Benton County Voluntary Program for Riparian Resources Adam Stebbins, Benton County	Improving Adult Pacific Lamprey Passage Using Lamprey Structures and Refuges Kinsey Frick, NOAA	Seasonal Abundance, Size, and Host Selection of Pacific and River Lamprey in the Columbia River Estuary Laurie Weitkamp, NOAA	Estimating Chinook Spawner Abundance Using an Index Survey Calibration Methodology Shelly Miller, ODFW
4:00 pm	Coos Bay BLM and Watershed Associations: Building Partnerships to Promote Restoration Stephanie Messerle, BLM	Design and Performance of the River Mill Surface Collector Nick Ackerman, PGE	Using Incidental Captures to Document Pacific Lamprey in the Entiat River, Washington Mark Nelson, USFWS	Estimating Spawner Abundance of Coastal Fall Chinook Populations: Is Non-Random Sampling Optimal? Matt Falcly, ODFW
4:20 pm	Angler and Public Opinion of Coastal Oregon Fisheries and Wild Fish Conservation Kevin Goodson, ODFW	A Creative Solution for Fish Passage at Box Culverts Karen Hans, ODFW	Outmigration of Pacific Lamprey in the Sacramento River: Environmental Factors and Implications for Streamflow Management Damon Goodman, USFWS	Estimating Abundance of "Resident" Salmonids: A Case Study of Bull Trout Philip Howell, USFS
4:40 pm	Education and Outreach Committee Meeting Shannon Richardson and Karen Hans (Co-Chairs), ODFW	Fish Passage Improvement in Southern Oregon's Desert Basins Troy Brandt, River Design Group, Inc.	Passage of Radio-Tagged Adult Pacific Lamprey at Yakima River Diversion Dams Ann Grote, USFWS	Coho Monitoring on the Oregon Coast: Past, Present, and Future Brianna Sounhein, ODFW
5:00 pm	Freshwater Habitat Committee Meeting Bill Wall, USFS	Improving Fish Passage Design Guidelines for Water Crossings in Tidal Environments Curtis Loeb, ESA	Assessing Behavior of Juvenile Pacific Lamprey Using Passive Integrated Transponders Mary Moser, NOAA	Coho Monitoring on the Oregon Coast: AUC Calibration Studies Matt Weeber, ODFW

*Student



ORAL PRESENTATIONS

Technical Sessions, Friday, 2/28/14, 9:00-11:40 am

	Flatwater Fisheries Management	Habitat Studies and Findings	Fish Reintroduction and Monitoring	Escapement Estimation Methods : 50 Years in the Making
Room	O'Neill	Wilder	Hellman	Williams
Moderator	Kyle Bratcher, ODFW	Bob Spateholts, PGE	Garth Wyatt, PGE	Ian Tattam, ODFW
9:00 am	Malheur Lake: A Terminal Lake Dominated by Common Carp, (<i>Cyprinus carpio</i>) Linda Beck, USFWS	Lower Deschutes River Redband Trout Embryo Survival Study Bob Spateholts, PGE	"Hey, You, Get Your Hands Off My Wild Fish!" An Overview of Portland General Electric's New Adult Fish Sorting Facility Located at the North Fork Dam Adult Fish Ladder on the Clackamas River Near Estacada, OR Garth Wyatt, PGE	Willamette Spring Chinook Salmon: Assessing Trends in Abundance, Distribution, and Diversity Cameron Sharpe, ODFW
9:20 am	Fisheries Management in Willamette Valley Reservoirs: Accommodating Changing Priorities and Altered Traditions in Pursuit of Integrating Species Conservation with Angling Recreation Jeff Ziller, ODFW	Determining the Habitat Bottleneck — Is it Rearing or Spawning Limited? Steve Cramer, Cramer Fish Sciences	Behavior and Dam Passage of Juvenile Chinook Salmon and Steelhead at Detroit Dam and Reservoir John Beeman, USGS	Using Aerial Redd Counts and Six Years of Mark-Recapture Data to Estimate Chinook Abundance in South Umpqua, Oregon Brian Riggers, ODFW
9:40 am	Status of Tiger Musky Introduction on Northern Pikeminnow Populations in Mayfield Lake and Merwin Reservoir, Washington Stacie Kelsey, WDFW	Stream Habitat Surveys: A Modified Approach Using High School Students Stuart Perlmeter, WELL Project Springfield Public Schools	Passage Behavior and Survival of Juvenile Spring Chinook During the 2012/13 Fall Creek Reservoir Drawdown Matthew Nesbit, NOAA	Estimating the Abundance of Adult Salmonids in the West Fork Smith River Patrick Burns, ODFW
10:00 am	Roving Statistical Creel of Upper Klamath Lake and Agency Lake Mike Harrington, ODFW	Smolt Migration Survival Is Strongly Correlated with Stream Flow in the Yakima River, Washington Ian Courter, Cramer Fish Sciences	Adfluvial Life History in Spring Chinook Salmon from Quartzville Creek, Oregon Jeremy Romer, ODFW	Steelhead & Chinook Escapement in the John Day River Basin: Redd Surveys and a Mark-Recapture Approach Chris Bare, ODFW
10:20 am	Floy Tagging of Two Different Fish Species in the Tenmile Lakes Gary Vonderohe, ODFW	Basin-Wide Evaluation of Winter Steelhead Spawning in the West Fork Smith River Brian Jenkins, ODFW	Juvenile Spring Chinook Life-History Characteristics in Willamette Valley Reservoirs Fred Monzyk, ODFW	Estimating Freshwater Escapement of Anadromous Salmonids in the Rouge River Steven Mazur, ODFW
10:40	Idaho's "Tag You're It" Fish Tagging and Angler Return Program: Project Development, Findings, and Current Applications Kevin Meyer, IDFG	East Fork Owyhee River Retains the Capacity to Support Salmon and Steelhead Forrest Carpenter, Cramer Fish Sciences	Restoring Fish Passage at the Outlet of Suttle Lake – A Tale of Two Dams and a Lost Sockeye Population Nate Dachtler, USFS	Methods for Estimating Spawning Escapement of Summer Steelhead in the Methow River Basin Charles Frady, WDFW
11:00		Addressing Salmonid Homelessness in the Urban Jungle (Restoring Off Channel Salmon Habitat Within the Urban Zone of Bear Creek (Part 1)) Stephen Koskella, K&C Environmental Services Inc.	Restoring Anadromy: Identifying Historical Fish Passage Beyond Natural Obstacles in the Oregon Cascades with Stable Isotope Analysis Sierra Lewis, OSU	Natural Production Committee Meeting Gary Vonderohe and Ian Tattam, (Co-Chairs), ODFW
11:20		Addressing Salmonid Homelessness in the Urban Jungle: Restoring Off Channel Salmon Habitat Within the Urban Zone of Bear Creek (Part 2) Stephen Koskella, K&C Environmental Services Inc.	Mortality, Growth, and Tag Retention of Juvenile Spring Chinook Salmon Implanted with Two Types of PIT Tags Luke Whitman, ODFW	

ABSTRACTS from the technical sessions and symposia, as well as other conference information, may be found on the ORAFS website at www.orafs.org. A community copy of the abstracts will be available at the registration table.

Help us make the next meeting even better!

Please take a minute to give us your thoughts and comments using the online evaluation form:

www.datagle.com/OregonAFS

1966 - Wolf Eel



Prez Bob Borovicka with the Wolf Eel used in the future to gavel the business meeting to begin.



1982 - Broken Oar



First Broken Oar award given to Wernald (Chris) Christianson and later many more fish biologists for their embarrassing fishery field work moves such as sinking boats, losing rotary screw traps, their fingertips being bitten off by piranhas, and much worse!

50 Years of Great Meetings, Great Beers, Great Science, and Great Memories!

To celebrate our 50th anniversary, make sure to look around the meeting this year as we commemorate our history. There are multiple displays, posters, and even a slide show that have details of our Chapter's great history. Please make sure to check them out while you're in Eugene. Here are a few snippets from our past:

1964 - Founding Fathers



Attendees paid \$1 for the first meeting of ORAFS on January 24, 1964.



Red Dress

Kay Brown or Rich Carmichael: who wore the Red Dress better? Either way it raised lots of raffle money.

Outstanding Chapter



ORAFS has won the National AFS Outstanding Chapter of the Year Award 11 times since 1992.

Poster Session

SETUP

Noon – 7:30 PM
Wednesday, February 26

Boards will be provided and names of poster authors will be indicated on each board. Authors are responsible for their own hanging hardware.

DISPLAY HOURS

8:00 PM – Midnight • Wednesday, February 26
8:00 AM – 6:00 PM • Thursday, February 27
8:00 AM – 10:20 AM • Friday, February 28

POSTER SOCIAL

8:00 PM – Midnight • Wednesday, February 26
9:00 PM “The Lost Fish” documentary

During the social, authors are asked to be with their posters between 8:00 and 9:00 p.m.

TAKEDOWN

10:20 AM – 12:00 PM • Friday, February 28

Unless alternative arrangements are made in advance, any materials left after 12:15 p.m. on Friday will be discarded.

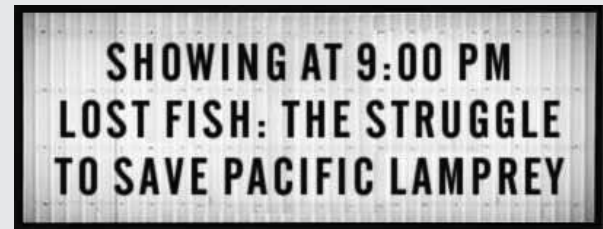
Williams/Hellman

Dan Isaak USFS	1	17	Kyle Smith Calapooia Watershed Council
Dan Isaak USFS	2	18	Kevin Herkamp ODFW
Dan Isaak USFS	3	19	Rachel Palmer OSU*
Mark Villers Blue Ridge Timber Cutting Inc.	4	20	Jonathan Nott ODFW

James Leal BLM	13	15	Gary Rule NOAA
Justin Hay ODFW	14	16	Michelle Scanlan OSU*

Andrew Futerman OSU*	5	21	Kelly Coates CCUT
Stephen Atkinson OSU	6	22	Michelle Best ODFW
Amanda Meinke ODFW	7	23	Christina Uh OSU*
Matthew Nesbit NOAA	8	24	Abel Brumo Stillwater Sciences

Abby Tillotson University of Washington/NOAA*	9	25	Julia Unrein OSU*
David Leer OSU	10	26	Dana Stroud Cramer Fish Science
Kirk Handley ODFW	11	27	Joshua Ehterton OSU*
Christina Murphy OSU*	12	28	Jeremiah Osborne-Gowey Feather River Consulting / OSU*



www.thelostfish.org

This new feature film documents the plight of Pacific Lamprey while it follows the efforts of Columbia Basin Tribes to restore Pacific Lamprey in their lands throughout the basin, and testifies to the tireless work of Nez Perce elder and Pacific Lamprey ambassador, Elmer Crow, Jr. (1944–2013). Produced by Freshwaters Illustrated in Partnership with the Columbia Inter-Tribal Fish Commission. (25 min)

	Title	Author, Organization
1	Provisional Oregon Stream Temperature Database for the NorWeST Regional Archive and Modeled Stream Climate Scenario Maps	Dan Isaak, USFS
2	Climate Velocity in Streams: What Does It Mean for Fish?	Dan Isaak, USFS
3	A Large-Scale Field Assessment Using Underwater Epoxy to Install Annual Temperature Monitoring sites in Rivers and Streams	Dan Isaak, USFS
4	Can Legacy Log Structures Be Modified Without Loosing Pool Habitat?	Mark Villers, Blue Ridge Timber Cutting, Inc.
5	The Presence and Prevalence of Trematode Parasites in Juvenile Steelhead Trout (<i>Oncorhynchus mykiss</i>)	Andrew Futerman, OSU*
6	FishPathogens.net — A Richly Visual Fish Pathogen Database	Stephen Atkinson, OSU
7	Exposure to Unnatural Magnetic Field Disrupts Magnetic Navigation in Steelhead (<i>Oncorhynchus mykiss</i>)	Amanda Meinke, ODFW
8	Using Carbon Dioxide in the Field as Anesthesia for Adult Salmonids	Matthew Nesbit, NOAA
9	Impacts of Changing Thermal Regimes on Development and Emergence Timing of Chinook Salmon	Abby Tillotson, University of Washington and NOAA*
10	Identifying Potential Fish Predators in Headwater Streams Using Trail Cameras: Pros, Cons, and Future Efforts	David Leer, OSU
11	Evaluation of PIT Tag Retention and Panjet Mark Longevity in Wild Spring Chinook and Summer Steelhead Parr	Kirk Handley, ODFW
12	Lentic to Lotic: The Effects of Extended Reservoir Drawdowns on Nutrient and Food Web Dynamics	Christina Murphy, OSU*
13	Wetland Habitat Restoration and Population Response of Foskett Speckled Dace in Southeast Oregon	James Leal, BLM
14	The Effects of Size Dependent Trap Efficiency Rates on Wild Summer Steelhead (<i>Oncorhynchus mykiss</i>) Downstream Migrant Estimates	Justin Hay, ODFW
15	NOAA Fisheries Guidelines for Operating Fish Weirs	Gary Rule, NOAA
16	Steelhead Trout Use Magnetic Field for 3-Dimensional Orientation	Michelle Scanlan, OSU*
17	Watershed Education in Linn County	Kyle Smith, Calapooia Watershed Council
18	ODFW Fish Restoration and Enhancement Program: How Anglers Help You to Help Them	Kevin Herkamp, ODFW
19	Variation in Smolt Quality of Juvenile Spring Chinook Salmon	Rachel Palmer, OSU*
20	Adult Chum Salmon Monitoring in Oregon	Jonathan Nott, ODFW
21	Umpqua Basin Lamprey Distribution Map	Kelly Coates, CCUT
22	“Supplemental” Lamprey Monitoring on the Oregon Coast	Michelle Best, ODFW
23	Larval Pacific Lamprey Feeding and Growth in Captive Reared Environments	Christina Uh, USFWS*
24	Factors Influencing Pacific Lamprey Passage at Road Crossings	Abel Brumo, Stillwater Sciences
25	Is the Fate of Pacific Lamprey (<i>Entosphenus tridentatus</i>) Written in the Cloud?	Julia Unrein, OSU*
26	Detection Efficacy of Lake Roosevelt Acoustic Receivers Using Multistate Modeling	Dana Stroud, Cramer Fish Science
27	Community Dynamics Among Eelgrass (<i>Zostera marina</i>) Beds in Yaquina Bay Change During Incoming Tide	Joshua Etherton, OSU*
28	Shifting Species Ranges and Changing Phenology: A New Approach to Mining Social Media for Ecosystems Observations	Jeremiah Osborne-Gowey, Feather River Consulting & OSU*

See organization acronyms on Page 14

*Student

Agenda
Oregon Chapter of the American Fisheries Society
Annual Business Meeting

February 27, 2014 | Eugene, Oregon

- 1:45 PM Call to Order (Todd Buchholz)**
- Identify Parliamentarian
 - Determination of quorum (50 voting members)
 - Recognitions:
 - 2013 National Outstanding Chapter of the Year Award
 - Executive Committee
 - Committee Chairs, Newsletter, Web Master
 - Sponsors and Special Guests
- 1:50 PM Approve Minutes from 2013 Annual Business Meeting (Todd Buchholz)**
- Summarize Financial Statement, FY 2012-2013 (Tony Siniscal)
- 1:55 PM President's Report (Todd Buchholz)**
- Strategic Plan Goals and Accomplishments
 - Products, Sponsorships, and Communications
 - 2015 Parent Society Meeting – Portland, Oregon
 - New Business
 - Bylaw change:
Change the deadline for proposed bylaw changes and revisions from mid-November to mid-December. This would provide additional time for our members to submit proposals before the release of the winter Piscatorial Press.
- 2:05 PM WDAFS Update (Christina Swanson)**
- 2014 WDAFS Meeting – Mazatlán, Mexico
 - 2015 Parent Society Annual Meeting – Portland, Oregon
- 2:10 PM Student Subunit Report (Andrew Futerman)**
- 2:15 PM External Director's Report (Holly Huchko)**
- Legislative Committee
 - Legislative Liaison
 - Other Committee Actions
- 2:20 PM Election of New Officers (Todd Buchholz)**
- Candidates*
- President-Elect: Troy Brandt (River Designs Group) and Mike Harrington (ODFW)
 - Vice President: Kevin McDonnell (incumbent) and Karen Hans (ODFW)
 - Secretary-Treasurer: Tony Siniscal (incumbent), Cory Sipher (BLM), and Kimberly Conley (USFS)
 - Internal Director: Phil Simpson (ODFW), Kelly Coates (Cow Creek Tribe), and Todd Granum (SOU)
 - External Director: Holly Huchko (incumbent) and Gary Vonderohe (ODFW)
- 2:35 PM Presentation of Past President Award (Todd Buchholz)**
- 2:45 PM Adjourn**

Annual Business Meeting Draft Minutes

Oregon Chapter of the American Fisheries Society

21 February 2013 | Bend, Oregon

President Jeff Yanke called the business meeting to order at 13:45. Jeff asked Dr. Jim Hall to serve as parliamentarian. Jim accepted and determined through a show of hands that we had a quorum with 62 individuals present.

PRESIDENTIAL THANKS

Jeff began the meeting with recognition of members serving important roles in the chapter this past year, including:

President-Elect Todd Buchholz for his efforts in organizing the program and chairing the planning committee for this year's annual meeting. Todd will become President on May 1.

Past-President Colleen Fagan for her guidance over the past year, adherence to the chapters bylaws, and excellent work on recreating our website. Jeff mentioned that he'll speak more about Colleen's contributions during the presentation of the past-president award.

Vice-President Bill Brignon for maintaining a great relationship with our Oregon State Student Subunit, providing excellent guidance to our student representatives, and managing volunteers and the raffle/auction committee at the annual meeting.

External Director Shivonne Nesbit for the large task of managing and motivating the chapter's external committees, and tracking our chapter's involvement with legislative issues. Jeff mentioned Shivonne will be providing an update on external committee accomplishments later in the meeting

Internal Director Michele Weaver for her excellent work organizing the arrangements for this year's meeting. Michele has been involved with the executive committee for several years, and her contributions during this past year have been priceless.

Secretary-Treasurer Garth Wyatt for successfully carrying out the very difficult job of managing the chapter's finances, note taking during executive committee meetings, and managing registration for the annual meeting. The scope of Garth's role is often understated and underappreciated and he has done a great job this past year.

Student Representative Kat Gilles-Rector for providing leadership to both the student subunit and executive committee. Jeff emphasized Kat's willingness to speak up on issues and

share her perspective. She has been an ideal student representative and we all have learned something from working with her this past year.

Jeff mentioned the individuals making contributions beyond the executive committee including:

Allison Evans, Piscatorial Press Editor, for keeping submittals on time and for creating a great quarterly newsletter that represents the chapter incredibly well. She continues to do an amazing job.

Kara Anlauf-Dunn, website and list-serve manager, who continues to do a great job getting information out to the membership at the request of the executive committee. Jeff acknowledged that her job can be very difficult and Kara has done an excellent job making sure the membership is informed. Kara also played a critical role in developing the new website this past year to which we are grateful. After 5 years of service, Kara will also be stepping down and Jeff encouraged the audience to step forward and take over this role.

Jeff acknowledged the external committee chairs, who volunteer to manage the chapter's seven external committees including our new Native Fish committee, created by Jim Capurso. Jeff recognized the value of these committees, as they are the vehicle by which the membership's efforts help drive the chapter forward. Jeff encouraged the audience to identify a committee of interest and attend the meeting during this week.

Demian Ebert, Jeremiah Osborne-Gowey, Bill Brignon, Michele Weaver, and Shivonne Nesbit for leading the chapter's efforts in the realm of social media. The chapter has been a leader in making significant contributions to our Facebook and Twitter accounts amongst other state chapters. We owe this success to the initiatives taken by those just mentioned.

Don Ratliff, chapter Historian, for his great work in seeing our chapter's documents get sorted and organized prior to archiving at the Oregon State University Library. The chapter is undertaking this effort in preparation of the chapter's 50th anniversary next year.

Rich Grost for volunteering his photography skills at the annual meeting. Rich continues to do an outstanding job of capturing memories of the meeting and we greatly appreciate his service.

OLD BUSINESS

Tucker Jones motioned to approve the 2012 business minutes, Bill Brignon seconded the motion. Demian Ebert noted a couple of typos that needed to be corrected. The motion to approve the 2012 business meeting notes with Demian's edits passed unanimously.

WORK PLAN SUMMARY

Jeff gave an overview of the chapters key accomplishments in 2012. Using the chapter's mission and 2012-13 work plan for guidance, the chapter was able to accomplish the following:

To advance the understanding of fishery science, the chapter hosted a run forecasting workshop in November that included scientists and fishery managers from the Pacific Northwest and Canada. The chapter also co-hosted the Northwest Fish Culture Conference with the US Fish and Wildlife Service in December, and sponsored a suite of other meetings including both 2013 Western Division and Parent Society meetings.

In advocating policies that benefit the conservation and sustainability of Oregon's fishery resources, we continue to support a legislative liaison in Salem (Sue Marshall), provide information regarding specific legislation through our external committees, and engage other stakeholders in quarterly Conservation Leaders Meetings. Jeff mentioned Shivonne will cover more specific accomplishments during the external directors update.

The chapter has increased public awareness, understanding, and appreciation of fishery resources by investing in a new website which provides a more modern and intuitive format for the membership to use. The chapter was the first to create a social media policy to guide how these platforms are used, and by whom. Jeff mentioned that several other chapters, including the parent society, are following our lead. While these items are helping the chapter look to the future, Jeff emphasized we haven't forgotten our past with active efforts to archive the chapter's documents at Oregon State for the chapter's 50th anniversary. Jeff recognized Drs. Jim Hall and David Noakes who brought the idea to him at last year's meeting in Eugene.

Jeff was especially proud of the chapter's dedication to the development of fishery and aquatic science professionals this past year.

ANNUAL BUSINESS MEETING

The chapter provided \$13,000 in student scholarships, and seven fish-out-of-water waivers to professionals that without resources to attend the meeting. The chapter provided abundant opportunities for students to volunteer in exchange for lodging, which was evident by the amount of students present at the meeting. Jeff also recognized the chapter's support of the student subunit at Oregon State, which has done an amazing job of fostering the development of young professionals.

NEW BUSINESS

Jeff mentioned that Oregon State University was starting a scholarship program for PhD students in honor of Jim Sedell. Jeff then welcomed Krystyna Wolniakowski to say a few words about the passing of Jim Sedell, and the new scholarship program.

After calling for new business, Jeff invited Dave Buchanan to the podium. Dave strongly recommended that ExCom resend ORAFS letter of recommendation in support for the removal of the Klamath River dams to the new Secretary of the Interior. Dave mentioned he would help craft the new letter. Jeff acknowledged the importance of continuing to press the issue of these important agreements, and assured Dave that the executive committee would vet the issue and respond appropriately.

WESTERN DIVISION UPDATE

Jeff introduced Dave Ward, Western Division Past-President, to provide an update on Western Division AFS activities. Dave began by acknowledging the importance of the Oregon chapter's involvement with Western Division, as it provides the forum to interact with other chapters around the nation. In addition, two Oregon chapter members currently serve on the Western Division executive committee. This provides the Oregon chapter two important votes on issues of national interest.

Dave mentioned the Western Division small grant awards, and encouraged the audience to submit applications soon. The upcoming Western Division meeting in Boise, Idaho will be April 15-18th. The hosts are expecting 800 people for this meeting. Dave also discussed the planning efforts for the 2014 Western Division meeting in Mazatlan, Mexico. The parent society has matched the \$25,000 raised by state chapters (including \$3,000 from the Oregon chapter) to provide travel funds for professionals to attend the meeting. Looking ahead to the 2015 parent society meeting hosted by the Oregon Chapter and Western Division, Dave solicited volunteers to help during the meeting.

STUDENT SUBUNIT REPORT

Jeff introduced Kat Gilles-Rector, Student Representative, to provide an update on student

subunit activities. Kat started by mentioning the Oregon State fisheries and wildlife club has transitioned to an AFS/TWS subunit, and current membership was at 10 people. Kat described her trip to the Western Division student colloquium in Arizona, and noted it was a worthwhile experience and thanked the chapter for financial support.

The student subunit accomplished a lot of work in 2012, and is hosting a variety of habitat restoration activities in 2013. The subunit hosted a "so you wanna go to grad school" workshop for prospective graduate students, and is currently planning their annual spring break trip to Utah and Zion National Park. The subunit is scheduling a boating safety course and CPR course in 2013, and exploring a hatchery research field trip.

EXTERNAL DIRECTOR UPDATE

Jeff introduced External Director Shivonne Nesbit to provide an update on the external committees. Shivonne began by highlighting the accomplishments of the committees in 2012. Each committee completed an annual work plan to provide benchmarks and direction during the course of a busy year.

The Education and Outreach committee, chaired by Karen Hans, kept the Salmon Watch program alive in 2012. The Fish Culture committee, chaired by Ryan Couture, was integral in helping to implement the 2012 Northwest Fish Culture Conference. The committee is currently drafting a white paper on hatchery best management practices. The freshwater habitat committee, chaired by Ian Reid, completed a heavy metal white paper last year that was read into testimony. The committee is currently working on a white paper focused on suction dredging in advance of proposed legislation.

Shivonne mentioned the challenge of engaging more folks in the Marine Habitat committee, chaired by Dr. Scott Heppell. The chapter was excited to welcome the introduction of the Native Fish Committee, chaired by Jim Capurso. Jim has some excellent plans for the committee which includes an annual field workshop based on a non-game native species in Oregon. The Natural Production committee, chaired by Jens Lovtang, did an excellent job organizing the program for the anadromous run forecasting workshop in November. Shivonne mentioned this workshop was based on a well-attended session at last year's Eugene meeting.

Shivonne introduced the chapter's legislative liaison, Sue Marshall, to update the chapter on relevant legislative issues. Sue identified several areas where the chapter can exert some influence on legislative process, and focused on the development of white papers. Two issues

where specific requests for more information were Suction Dredging and Genetically Modified Organisms (GMO). Sue encouraged the chapter to continue to provide legislators better information through this format.

Sue provided an overview of the political climate in the house and senate during the current legislative session. The state budget continues to inhibit new and exciting programs. The sheer cost of running state government continues to go up. Additionally the legislature feels like they need to invest in education. Sue mentioned the state is considering restarting the kicker, and suggested developing a two-year strategy in the context of the legislative schedule. Finally, Sue was kind to take a few questions from the audience.

ELECTION OF NEW OFFICERS

Jeff recognized those willing to step forward and run for office this year. But, was discouraged to see so many positions ran unopposed. Jeff stressed that diversity, representation from different entities, and competition strengthens the Executive Committee and the chapter. Jeff presented the election results:

President Elect - Mike Gauvin (ODFW)

Vice-President - Kevin McDonald (OSU)

Secretary/Treasurer - Tony Siniscal (ODFW)

Internal Director - Michele Weaver (ODFW)

External Director - Holly Huchko (ODFW)

Jeff presented the Past-President award to Colleen Fagan for her service to the chapter as President. Colleen has a lot to be proud of for her service to the chapter, including bringing the bid for the 2015 AFS meeting to Portland. While proud to give the award to Colleen, Jeff also mentioned it was bittersweet as he was losing a valuable friend and colleague on the executive committee.

Lastly, Jeff drew the winning ticket for the inaugural business meeting raffle. The Willow Creek cutthroat trout print went to Howard Schaller.

A motion was made to adjourn with no objection. The meeting was adjourned at 14:44.

Oregon Chapter American Fisheries Society
FINANCIAL STATEMENT FOR FISCAL YEAR 2013
 (May 1, 2012 to April 30, 2013)

BEGINNING BALANCE – CHECKING 05/01/2012	\$96,216.85
EXPENSES	
Core Costs	
ExCom Mileage	\$(760.91)
ExCom Spring Retreat	\$(1,004.02)
Excom Fall Retreat	\$(1,241.60)
Postbox Rental	\$(76.00)
Insurance for Inside Events <i>(via Parent Society)</i>	\$(150.00)
Business registry	\$(50.00)
Total	\$(3,282.53)
Goal 1 – Develop programs that advance understanding of fishery science and responsible stewardship of fishery resources.	
Expense for President or designee to WDAFS AM	\$(267.00)
Expense for President or designee to Parent Society AM	\$(1,126.60)
Expense for President or designee to WDAFS Mid-Year	\$(767.61)
Sponsorship of non-ORAFS conferences and projects	\$(750.00)
Sponsorship of WDAFS and Parent Society Annual Meetings	\$(1,000.00)
Miscellaneous donations	\$(500.00)
Total	\$(4,411.21)
Goal 2 – Advocate policies and laws that benefit the conservation and sustainability of Oregon fishery resources.	
Legislative Liaison	\$(3,726.55)
External Director Mileage	\$(152.79)
Total	\$(3,879.34)
Goal 3 – Increase public awareness, understanding, and appreciation of fishery resources.	
Website Redesign	\$(1,300.00)
Support for historian	\$(108.78)
Total	\$(1,408.78)
Goal 4 – Promote development of fishery and aquatic science professionals.	
Plaques & engraving for professional awards	\$(15.20)
Certification scholarships	\$(100.00)
Four student scholarships	\$(8,000.00)
Carl Bond Scholarship & student membership	\$(5,000.00)
Run Forecasting Workshop	\$(7,376.67)
NWFFC Scholarships	\$(1,950.00)
Total	\$(22,441.87)

ANNUAL BUSINESS MEETING

Goal 5 – Maintain an active and diverse membership.

Expenses to attend WDAFS student colloquium	\$(1,077.62)
Total	\$(1,077.62)
Annual Meeting	
Expences	\$(53,973.00)
Total	\$(53,973.00)
<hr/>	
TOTAL EXPENSES	\$(90,474.35)

INCOME

Run Forecasting Workshop	
Deposits	\$8,006.25
Total	\$8,006.25
Annual Meeting	
Deposits	\$62,752.85
Sponsorships	\$4,646.20
Deposits from FY 2011	\$4,792.60
Total	\$72,191.65
Dues	
Oregon Chapter Membership	\$1,160.00
Parent Society Rebate	\$799.20
Total	\$1,959.20
<hr/>	
TOTAL INCOME	\$82,157.10

Net Income/Deficit	\$(8,317.25)
End of FY 2012 Balance	\$87,899.60

ASSETS

Checking Account	
End of FY 2012 Balance – 04/30/13	\$87,899.60
Investments	
Money Market Savings Balance 05/01/12	\$100,022.24
Money Market Savings Interest Accrued FY 2012	\$102.51
Money Market Savings Balance – 04/30/13	\$100,124.75
WDAFS Endowment Fund Balance 05/01/12	\$10,335.35
WDAFS Endowment Fund Interest Accrued FY 2012	\$1,614.25
WDAFS Endowment Fund Balance – 04/30/13	\$11,949.60
<hr/>	
TOTAL ASSETS END OF FISCAL YEAR 2012	\$199,973.95

Western Division AFS Balances by Month (FY 2012–13)

DATE	BALANCE	GAIN/LOSS	%GAIN/LOSS
30-Apr	\$10,335.35		
30-May-12	\$9,880.05	-\$455.30	-4.41%
30-Jun-12	\$10,278.80	\$398.75	4.04%
30-Jul-12	\$10,382.45	\$103.65	1.01%
30-Aug-12	\$10,528.35	\$145.90	1.41%
30-Sep-12	\$10,780.52	\$252.17	2.40%
31-Oct-12	\$10,457.03	-\$323.49	-3.00%
30-Nov-12	\$10,571.15	\$114.12	1.09%
31-Dec-12	\$10,763.25	\$192.10	1.82%
31-Jan-13	\$11,262.87	\$499.62	4.64%
28-Feb-13	\$11,344.58	\$81.71	0.73%
31-Mar-13	\$11,618.37	\$273.79	2.41%
30-Apr-13	\$11,949.60	\$331.23	2.85%

AFS ANNUAL MEETING 2015



PORTLAND 2015



145th ANNUAL MEETING, AUGUST 16-20 2015

August 2015 marks the return of the Annual Meeting of the AFS to Oregon. It has not been since 1993 that an Annual Meeting was convened in Oregon. Working together, the ORAFS, WDAFS, and AFS have begun the planning efforts for what could potentially be a record-setting annual meeting regarding attendance, symposia, and contributed papers.

To ensure that the ORAFS hosts what will hopefully become the standard by which future meetings are judged, we are going to need the assistance of the entire ORAFS membership. We ask that you please consider volunteering for the 2015 meeting. **If you are interested in becoming a volunteer, please contact Dave Ward at David.Ward@hdrinc.com or Neil Ward at neil.ward@qwconsult.com.**

2014 Oregon Chapter AMERICAN FISHERIES SOCIETY ANNUAL MEETING

Made possible in part by the generous contributions of these businesses and organizations



Let's turn the answers on.

