



President's Message

Dear Members,

Welcome to 2020—a new year that is quickly becoming one to tackle with all hands on deck. Already, the Board is on a path to continue to achieve the goals that I envisioned for AIFRB during my tenure as president—district revival, addressing member services and

participation, membership and recruitment, reinvigorating our social media presence, showcasing our Young Professionals and developing a new website to help serve the needs of our current and prospective members. The Board has done an excellent job of executing AIFRB's mission and continues to bring renewed energy and fresh ideas to the table every year.

As we hit the fast track to accomplish our goals this year, I'd like to pause to remember past president, Dr. Dick Shaefer. Sadly, the field of fishery science recently lost a well-respected, accomplished scientist in Dr. Shaefer. His contributions to fishery science and to AIFRB were significant. He will be missed as he leaves behind an important legacy.

This time one year ago, my president's message (Briefs, Vol. 48, No.1) focused on the importance of our contributions to AIFRB as members. In that message, I named Dr. Dick Shaefer as an AIFRB president who was influential to me and was part of the reason why I continued to volunteer my time to the Institute. The broader message was that our participation in AIFRB serves a much greater purpose, perhaps with unintended, but positive consequences. I hope you find time this year to pause and reflect on your reasons for being an AIFRB member, your personal mission and your goals.

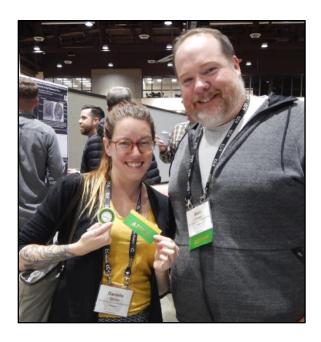
If you're interested in contributing to AIFRB at the board level, we welcome an open conversation on how you can participate. Please contact me if you're interested and I'd be happy to discuss our available opportunities. Please continue to stay connected with us via Twitter and Instagram (@aifrb\_fishery\_biologists) and share your experiences, photographs, and announcements.

Sincerely,

Kim Anthony

President

kim.anthony@aifrb.org



# If you haven't already done so...

# Renew Your Membership!

\$25 - Student Associates

\$45 - Professional Associates, Members, and Fellows \$600 - Lifetime Member

# Become a Member!

\$35 - Student Associates

**\$55** - Professional Associates, Members, and Fellows **\$600** - Lifetime Member

Online payments available at <a href="www.aifrb.org">www.aifrb.org</a> Checks payable to "AIFRB" can be sent to:

AIFRB c/o Cate O'Keefe P.O. Box 251 Fairhaven, MA 02719

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# **Abigail Lynch – Capital District**



What is your current position, with what company/organization, and what is the focus of your research/work?

I am a Research Fish Biologist with the U.S. Geological Survey's National Climate Adaptation Science Center. Working primarily in inland systems, Abby's research examines the impacts of global change on fish at local, national, and global scales.

Where did you receive your education, and what helped pave your way to your current position?

I was awarded my Ph.D. in Fisheries and Wildlife from Michigan State University on climate impacts to Great Lakes Lake Whitefish, M.S. in marine science on Atlantic Menhaden population genetics at the Virginia Institute of Marine Science, College of William & Mary, and B.S. in biology

and B.A. in English literature from the University of Virginia. My <u>Knauss Marine Policy Fellowship</u> with the <u>U.S. Fish & Wildlife Service's Fisheries Program</u> was integral in expanding my professional network and honing my research interests. Without these collective experiences, I have no doubt, I would not be in my current position.

How does your work apply to, or influence, fishery management (e.g., stock assessments, sportfishing, commercial regulations, habitat protection, etc.)?

My research portfolio is focused on providing science and science synthesis to assess and value inland fish and fisheries to inform adaptive management and sustainable use with global change.

What is your professional outlook for fisheries management? In other words, what will the future of fisheries management look like 10-20 years from now. What are we doing correctly, what needs to be improved (e.g., in research, policy, education)?

We are facing an increasing array of threats and challenges in fisheries, such as climate change and evolving use patterns, but I think there are a lot of exciting innovations with technology to improve our ability to inform adaptive management (e.g., machine learning). We are on the cusp of being able to do analyses (e.g., very quickly on super computers) that would be impractical to run only a few short years ago – this will revolutionize how we can conduct assessments and incorporate scientific information into fisheries management.





# What is the importance of young fishery professionals today and for the future of fishery management?

Young fisheries professionals today will be the scientific resources for fisheries management tomorrow. To ensure sustainable management of fisheries, retention of early career professionals fosters intergenerational continuity within organizations which is crucial to maintaining institutional memory particularly during periods of change and crisis.

# What drew you to AIFRB, and what does AIFRB do for you and what can it do for other young professionals in this field?

I was drawn to AIFRB because I find professional networks invaluable to career enhancement as a research fish biologist. AIFRB is the premier

American organization focused specifically on fisheries science and complementary to my broader professional network through the American Fisheries Society.

Please contact Abby (ajlynch@usgs.gov) to continue the conversation!

# Young Professionals Spotlight

# Kady Lyons - Georgia District



What is your current position, with what company/organization, and what is the focus of your research/work?

I am a research scientist at the Georgia Aquarium, starting in February of 2019. The broad focus of my work spans the fields of ecology to physiology with an emphasis on toxicology generally utilizing elasmobranch species.

Where did you receive your education, and what helped pave your way to your current position?

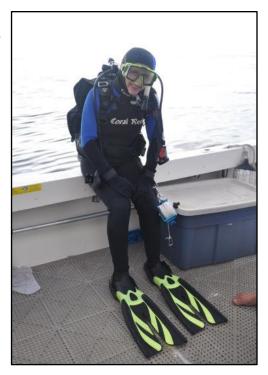
I recently completed my PhD at the University of Calgary in 2018 where I used a model elasmobranch species to investigate the implications of contaminants for population health. Being engaged in the field and working with a variety of folks exposed me to multiple disciplines and opened my eyes to unique ways of tackling problems.

How does your work apply to, or influence, fishery management (e.g., stock assessments, sportfishing, commercial regulations, habitat protection, etc.)?

I am interested in the potential consequences anthropogenic contaminants have for short and long-term health implications of individuals and populations. This is multi-faceted from how contaminant exposure may affect stress physiology (and thus capture-release survivability) to reproductive output and success that may have larger population-level implications.

What is your professional outlook for fisheries management? In other words, what will the future of fisheries management look like 10-20 years from now. What are we doing correctly, what needs to be improved (e.g., in research, policy, education)?

Having primarily utilized non-salmonid species in my work, I would like to see more focus on out-of-the-box research to inform management of non-traditional species. I believe education across the board is important so that people understand exactly where their seafood comes from and the holistic costs it took for it to get there. Emphasizing the success stories of fisheries management in the US can serve as a beacon for other countries to the benefits when proper, science-based management is enacted. As we grapple with the effects of climate change and the repercussions that has for fisheries resources, it is critical to take holistic views when considering how our food arrived on our dinner plates.



# What is the importance of young fishery professionals today and for the future of fishery management?

Running the risk of being cliché, young professionals are the ones who will be taking up the mantel of future fisheries management. With the advances in computing and development of novel electronic tools, young fisheries professionals have varied and unique resources available to them that weren't available or easily accessible even a decade ago. This will empower them with new tools to tackle challenges in new ways, which is much in the Anthropocene era.



# What drew you to AIFRB, and what does AIFRB do for you and what can it do for other young professionals in this field?

I joined AIFRB early in my graduate career at the encouragement of my local chapter members, many of whom were former lab brothers and sisters from my Master's. I think it is important for people from different fields to have a place to come together to share new perspectives and different views to address management issues and considerations, as is provided by AIFRB. While I am not a traditional fisheries biologist, it is important to remember that

biology is critical to inform proper management and both groups are needed to draft appropriate policies.

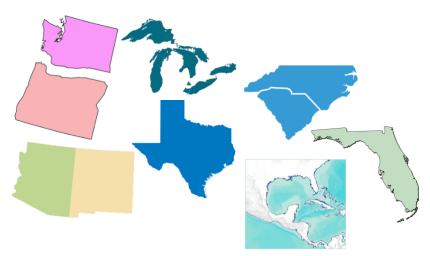
Please contact Kady (kady.lyons@sbcglobal.net) to continue the conversation!

# **District Director Vacancies - Now Seeking Nominations!**



The Institute has vacancies for District Directors in the following Districts: Northern Alaska, Southeast Alaska, Pacific Northwest Super District (Washington, NW Oregon – SW Washington), Oregon, the Great Lakes, the Carolinas, Arizona/New Mexico, the Gulf of Mexico, Texas, and Florida. These present excellent opportunities for members to get more involved with the Institute in a leadership role in order to help advance our mission, including the professional development of members and the advancement of the field of fisheries science. District Directors are elected by the membership of each District to serve two-year terms and they are

responsible for promoting the Institute activities at the regional level, including the recruitment and advancement of members, as well as organization of regional meetings and activities. District Directors also serve on the AIFRB Board of Control to be involved with leadership of the Institute on a national level. Therefore, serving as a District Director individuals with presents many opportunities for professional and personal development while serving in these rewarding roles and making meaningful contributions to our field.



If you are interested in nominating someone (including self-nominations) for one of these vacancies, then please contact <u>Kim Anthony</u> by March 1<sub>st</sub>, 2020.

# **AIFRB Position Opening**

# AFS - AIFRB Liaison



Are you looking to get more involved with AIFRB? Are you also active in AFS? We are looking for a new AIFRB-AFS liaison for the upcoming year. Duties include organizing an AIFRB sponsored symposium at the annual AFS meeting and updating both organizations on what the other is doing. This is an excellent position to network with scientists across multiple disciplines of fisheries science. If you are interested please feel free to reach out to our current AIFRB-AFS liaison, Sean Lucey, at Sean.Lucey@NOAA.gov.

# Goodbye to a Dear Friend

# In Memoriam of Richard H. Schaefer

November 12, 1935 - November 18, 2019



We recently lost a lifelong member (48 years) and great supporter of the American Institute of Fishery Research Biologists (AIFRB), Richard 'Dick' Schaefer.

After earning his BS and MS in fisheries science at Rutgers University, Dick served in the Army as a research biologist, and then worked for 10 years with the NY Department of Environmental Conservation as a Fisheries Biologist in the Marine Fisheries Research Program on Long

Island. Later, he served as the Director of the Department's Marine Fisheries Laboratory in Setauket, NY, where he contributed substantially to the knowledge of several important marine fishes including striped bass, northern kingfish, and summer flounder. His early work surveying the coastal fishes of Long Island resulted in the first records for several species in New York waters.



Dick then began a 30-year career with the National Marine Fisheries Service in Washington, D.C., and Silver Spring, MD, leading programs for fisheries conservation and management, including intergovernmental and recreational fisheries. As a result of these positions, he had the opportunity to help craft and implement the provisions of the Magnuson Fishery Conservation and Management Act. In 1979 he was assigned as the Acting Regional Director of the Northeast Region in Gloucester, MA

where he served as a voting member of the New England and Mid-Atlantic Fisheries Management Councils. In this capacity, Dick had the opportunity to lend his energy and talents to the task of the interjurisdictional management of his favorite marine sportfish - the striped bass. Dick's work with the States through the Atlantic States Marine Fisheries



Commission contributed to the successful recovery of striped bass stocks and the Mid-Atlantic fishery. He also served for many years as acting Regional Director in Gloucester, MA.

Dick returned to NMFS Headquarters in Silver Spring, MD in 1987 where he was named the first Chief

of the Office of Fisheries Conservation and Intergovernmental and Recreational Fisheries Affairs. The mission of this office was to implement the Atlantic Striped Bass Conservation Act, Atlantic Coastal Fisheries Cooperative Management Act, the Interjurisdictional Fisheries Act, and the Anadromous Fisheries Conservation Act in the federal build to cooperative



partnerships with other fisheries management agencies at the interregional and national level, and to work with the marine recreational fishing community to increase fishing opportunities. Under Dick's leadership, the office expanded NOAA's recreational fisheries program on the Atlantic, Gulf, and Pacific coasts.

After retirement in 2002, he led the AIFRB as its President. Dick joined AIFRB in 1971 as a Member, advancing to Fellow in 1978, and Emeritus Fellow in 2009. He held the reigns of AIFRB as its President from 2003 to 2004. Prior to Dick's presidency, the AIFRB membership was experiencing a downward



trend. Dick instituted a program to reverse the membership trend, including increasing the visibility of AIFRB within the fisheries profession and tirelessly evoking the relevancy of AIFRB. With Dick's leadership, membership in the AIFRB once again began to increase.

Dick was steadfast in his commitment to public service as a NMFS official, with special emphasis on *service*. He believed strongly that one of the best ways to serve the public was to ensure that a sound scientific basis and principles of sustainability formed the foundation for every agency decision. Dick will be remembered fondly by family, friends, and colleagues for his commitment to public service; his love of fishing, hunting, and the outdoors; and, of course, his booming laugh and well-told stories.

# Follow the AIFRB Members

AIFRB is back on social media! Follow us on Facebook, Instagram, Twitter, and LinkedIn for updates on events, news, member highlights, and more. If you have content from past or advertisements for upcoming AIFRB events, research highlights (e.g. recently published paper, invited talk, presentation at a conference), or other exciting fisheries news, we would like to share it on our social media platforms to spread the word. Please contact our Social Media Director, Emily Slesinger, at <a href="mailto:slesinger@marine.rutgers.edu">slesinger@marine.rutgers.edu</a> with a photo, description, and the names of the AIFRB local district and/or AIFRB members present.



# **Award Recipient**

# W.F. Thompson Award

Cheryl Barnes recently completed her PhD in fisheries through the University of Alaska Fairbanks,

where she studied trophic interactions among key groundfishes in the Gulf of Alaska. Prior to this position, Cheryl earned an MS in fisheries and conservation biology through Moss Landing Marine Laboratories and a BS in marine biology from San Diego State University. Her research in the California Current involved estimating biogeographic effects on life history traits of a locally important flatfish species and assessing impacts of marine protected areas on a suite of nearshore groundfishes. Cheryl works as a postdoctoral fellow associated UW's Marine Conservation and Ecology Group and the Alaska Fisheries Science Center's Habitat and Ecological Process Research Program. Her postdoctoral work uses dynamic species distribution models to inform the designation of essential fish habitat (EFH) under rapid climate change in the Bering Sea and Aleutian Islands. Generally, Cheryl is interested in using quantitative fisheries science to inform resource management and promote sustainable harvest practices.



# RUTGERS

# Undergraduate Course in Fisheries Population and Ecosystem Dynamics



## What is this course?

An immersive, two-week course for undergraduates that presents the quantitative tools and field-based techniques used to sustainably manage and conserve aquatic marine living resources. This course is supported by the National Sea Grant Office and will be held at the Jacques Cousteau National Estuarine Research Reserve (JCNERR) in Tuckerton, NJ. A diverse group of faculty from the Center for Fisheries and Ocean Sustainability (CFOS) and the Institute of Earth, Atmospheric, and Ocean Science (EOAS) at Rutgers University will be teaching this course, alongside scientists from NOAA's Northeast Fisheries Science Center.

### Why apply?

You will interact with scientific leaders in fisheries and research.
Start building a network of contacts for a future science career and advanced graduate study.
You will gain research, quantitative, and field-based skills.
It won't cost you anything (all travel, housing, and meal expenses paid)!
You'll spend two weeks in one of the most pristine estuaries on the East Coast of the U.S.
At least half of every day will be spent outside doing field work or going on field trips.

When: 2 weeks, from May 31st to June 13th, 2020. Application Deadline: February 14, 2020

**Who can apply:** Must be a US citizen or permanent resident enrolled in an undergraduate program at a two-year or four-year institution, or a recent graduate with a Bachelor's degree.

Two recommendation letters are required as part of your application. References will be contacted upon submission of your application. Be sure to notify references ahead of time, as letters are also due by February 14, 2020.

Learn more: Fisheries.rutgers.edu -> Education

We encourage applications from students from underrepresented groups and from a diverse set of majors.

Anyone interested in marine resource management, conservation, and sustainability should apply!

# Introductory FIsheries Science for StakeHolders (IFISSH)

Rutgers Cooperative Extension (RCE) will be hosting our Introductory **Fi**sheries **S**cience for **S**take**h**olders **(IFISSH)** course during the winter of 2020.



Cooperative Extension

https://ocean.njaes.rutgers.edu/marine/IFISSH.html

The objective of this course is to educate stakeholders of New Jersey's commercial and recreational marine fisheries so that they will better understand and make progress on issues impacting their industries, including the science, management, and responsible stewardship of fishery resources.

See reverse for schedule, course topics, and confirmed speakers.



The course is open to all who are interested. Classes will meet **from 6:30 - 9:00 PM every Tuesday from January 28 - March 31, 2020** at the RCE of Ocean County in Toms River, NJ. Two optional fields trips will occur spring 2020.

"HyFlex" classes for live participation in-class or remotely via webinar.

Cost: \$60.00/person

# Register before January 24, 2020 by contacting:

Kelly Jurgensen, Admin. Assist., RCE of Ocean County kjurgensen@co.ocean.nj.us | 732-349-1152

# For more information, please contact:

Douglas Zemeckis, Ph.D., County Agent III (Asst. Prof.)
Dept. of Agriculture and Natural Resources
Rutgers Cooperative Extension
zemeckis@njaes.rutgers.edu | 732-349-1152



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Cooperating Agencies: Rutgers, The State University of New Jersey, U.S. Department of Agriculture, and County Boards of Chosen Freeholders. Educational programs are offered without regard to race, sex, disability, color, national origin, or age. Rutgers Cooperative Extension is an Equal Opportunity Employer.





# Workshop – Early Notification and Call For Interest

A three-day spatial stock assessment methods workshop will take place following the 2020 Adelaide World Fisheries Congress. The workshop will evaluate methods for incorporating spatial complexity into stock assessments and will focus on, but not be limited to, the application of different assessment modeling platforms to simulated spatial data for two important international stocks (Antarctic toothfish and Indian Ocean yellowfin tuna).

We are currently looking for analysts to implement spatial population dynamic models using the modeling framework of their choice (generalized software packages or specific applications), examine the assumptions in their approach, and provide feedback on performance and potential improvements at the workshop. Simulated data and biological parameters will be provided well before the October 2020 workshop, along with a general study design.

Contact Aaron Berger (<u>aaron.berger@noaa.gov</u>) or Dan Goethel (<u>daniel.goethel@noaa.gov</u>) for more information.

A full workshop announcement and a general call for presentations will be forthcoming.

## Steering Committee

Aaron Berger (NOAA)
Dan Goethel (NOAA)
Simon Hoyle (NIWA)
Jeremy McKenzie (NIWA)

Pamela Mace (FNZ) Mark Maunder (IATTC) Rick Methot (NOAA) Patrick Lynch (NOAA) Rich Little (CSIRO)
Paul DeBruyn (IOTC)
Rosemary Hurst (NIWA)
Andrea Chan (NOAA)





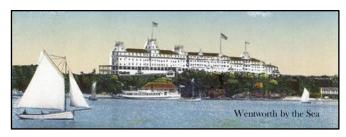






# 11th International Flatfish Symposium - Interdisciplinary Fisheries Science & Solutions

AIFRB is sponsoring the 11th International Flatfish Symposium, which will take place on November 15-20, 2020 at Wentworth by the Sea in New Castle, New Hampshire. Since 1989, the International Flatfish Symposium has offered a platform for the exchange of high quality, scientific ideas and results, and for



strengthening international cooperation and collaborations (www.flatfishsymposium.com). The 11th International Flatfish Symposium will be focused on interdisciplinary research to solve persistent challenges of flatfish ecology, conservation and sustainable utilization, including climate change, essential habitat, bycatch and population structure. The program is being developed as a single session with keynote speakers for each theme. If you are interested in getting involved, please contact AIFRB members Elizabeth Fairchild (University of New Hampshire, elizabeth.fairchild@unh.edu) or Steve Cadrin (University of Massachusetts, School for Marine Science & Technology, scadrin@umassd.edu) for more information.

# **Upcoming Events**





# 71st Tuna Conference

The 71st Tuna Conference will take place on Monday, May 18th -Thursday, May 21st, 2020 in Los Angeles, California at the Lake Arrowhead Conference Center with the theme Using new technologies to update and validate life history studies: The times they are a changin'. Student scholarships are available and are due by February 4, 2020. Abstracts and registration must be received by February 26, 2020. General conference and registration information and application and applicability for student scholarships can be found here.

# **Fellowship**

# John A. Knauss Marine Policy Fellowship Program

Hiring office: NOAA Sea Grant

Deadline: 2/21/2020 (to your state's Sea Grant office) Salary: one-year paid fellowship (\$59,000 to \$74,000)

Location: Washington D.C. MORE INFORMATION





# Job Postings



# **Director, Office of Science and Technology**

Hiring office: NOAA Office of Science and Technology

Open date: 1/15/2020 Close date: 3/14/2020

Salary: \$131,239 to \$197,000 Location: Silver Spring, MD

APPLY HERE

# **Supervisory Fish Biologist**

Hiring office: NOAA Open date: 1/22/2020 Close date: 1/28/2020

Salary: \$99,172 to \$152,352 Location: Silver Spring, MD

**APPLY HERE** 







### Dean, School for Marine Science & Technology

The University of Massachusetts Dartmouth seeks a visionary Dean for its School for Marine Sciences & Technology (SMAST). This is an exciting opportunity for a dynamic leader to build on SMAST's accomplishments in state-of-the-art interdisciplinary marine science research and excellence in graduate education while developing and implementing new undergraduate programs for training the next generation of environmental marine scientists.

The SMAST Dean is its chief academic and administrative officer and is responsible for the quality of the school's educational programs and growing enrollment in them as well increasing the magnitude and impact of faculty and staff research activity. The Dean will be responsible for increasing efficiency and effectiveness of the school and bolstering revenue from both traditional and novel sources. The duties of the Office of the Dean include the enforcement of policies and regulations adopted by the UMass Board of Trustees and all other properly constituted governance bodies of the University. The Dean, in consultation with the department chairpersons, provides senior leadership and direction in the selection and retention of faculty and staff, the implementation of curriculum, and research and scholarly activities of the faculty. The Dean provides intellectual leadership for the school and plans, directs and coordinates its administrative, budgetary, and academic activities as well as engages in strategic initiatives and private fundraising. The SMAST Dean reports to the Provost and is responsible for representing the needs and concerns of faculty, staff, and students while communicating to them University policies and practices. The Dean is a member of the Provost's Deans Council and responsibilities include advocating of SMAST's mission and role within U. Mass. Dartmouth and cooperative interactions with other units on campus and surrounding communities. High degree of confidentiality and discretion is required in this position.

The new Dean will have a doctoral degree and scholarly record appropriate for appointment as a tenured full professor in SMAST. The new dean will bring to the position a record of personal excellence in research and scholarship, competitive grantsmanship, strong background in higher education including student mentoring, demonstrated skill in resource development and fundraising, extensive experience in incisive management and administration, and earned respect in the national and international marine science communities. The new Dean will have also undertaken activities demonstrating a capacity to appreciate the diverse character of the SouthCoast region. In this Deanship, the University seeks an energetic and creative leader—a builder and a collaborator—who as an inclusive and responsive administrator will inspire and nurture consensus toward a clear vision of SMAST's future success.

# **How to Apply**

Greenwood/Asher & Associates, Inc. is assisting University of Massachusetts Dartmouth in this search. Applications and nominations are now being accepted. Confidential inquiries, nominations and application materials should be directed to Greenwood/Asher. Submission of application materials as PDF attachments is strongly encouraged. The search will be conducted with a commitment of confidentiality for candidates until finalists are selected. Initial screening of applications will begin immediately and will continue until an appointment is made.

# Inquiries, nominations, and application materials should be directed to:

Joe Stanley, Senior Executive Search Consultant
Ashley Hice, Senior Executive Search Consultant
Greenwood/Asher & Associates, Inc.
42 Business Centre Drive, Suite 206
Miramar Beach, Florida 32550

Phone: 850-650-2277 / Fax: 850-650-2272
Email: joestanley@greenwoodsearch.com
Email: ashleyhice@greenwoodsearch.com



For more information on SMAT please visit: <a href="https://www.umassd.edu/smast/">https://www.umassd.edu/smast/</a>

For more information on UMass Dartmouth please visit: https://www.umassd.edu/smast/

University of Massachusetts Dartmouth is an AA/EEO institution and actively strives to increase its diversity and encourages women and minorities to apply. UMass Dartmouth does not discriminate in employment against persons based on: age, color, disability, gender identity/ gender expression, familial status, height, marital status, national origin, political persuasion, race, religion, sexual orientation, veteran status or genetics.

# **Contact Information**

### **President**

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## **Past President**

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### Past President, Service Kasahara Award

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# **Membership Chair**

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# **Hubbs Research Assistant Award**

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### **Achievement Award**

Dick Beamish DFO Canada (Retired) 3904 Hammond Bay Rd. Nanaimo, BC, Canada rabeamish@shaw.ca

# W.F. Thompson Award

Frank Panek Fishery and Aquatic Health Assoc., LLC PO Box 379 Inwood, WV 25428 fpanek@aol.com

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BRIEFS, the newsletter of the American Institute of Fishery Research Biologists, is intended to communicate the professional activities and accomplishments of the Institute and its Members.

Comments and written contributions should be sent to Beth Bowers at mebowers5@gmail.com

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