

... BRIEFS ...

VOL. 4, NO. 1

(CANADA, UNITED STATES, AND OTHER COUNTRIES)

JUNE 1975



L to R: Board members Jack Carlisle (CA), President Sykes, Stanford Smith (MI), Richard Whitney (WA) and E. A. Best (WA).

SYKES TALKS IN PORTLAND

Contrasting the "status quo of the Institute" and "where we are going in the future," James E. (Jim) Sykes, president of the American Institute of Fishery Research Biologists, addressed a joint luncheon meeting of the Board of Directors and some 50 members from the Portland and Southwest Washington District in Portland, Oregon, March 3, 1975. The Board was in Portland for their annual business meeting. Sykes, who was elected to serve the 1975-76 biennium, is currently Director, Division of Fisheries, National Marine Fisheries Service, Beaufort, North Carolina.

In speaking on the current status, Sykes said, "The Institute is a sound, professional organization. We have tremendous potential." He added that the Institute would retain present membership standards.

For the future he said, "My goal is to enlist greater membership strength with more equal national distribution of members." There are nearly 900 members of the Institute nationwide but with a strong membership from the Pacific Northwest. Sykes also stressed the need for action-oriented projects in all fields of resource management.

Dr. L. Edward Perry presented a review of the Columbia River studies to be coordinated through the Pacific Northwest Regional Commission.

From the President

My brief time in office and on the learning curve has proved exciting and provided me with an incentive to do the best job of which I am capable. In addition to conversations with many members and prospective members, I have met with the Florida District, the Oregon-Southwest Washington District and the Board of Directors. All of these meetings have shown me that we have a strong organization that is growing stronger.

I have learned that our strength lies within District activities. We have no journal or annual meetings of the membership. As a consequence, those members not affiliated with an active District are not enjoying all the advantages of AIFRB. The solution then is to continue building additional Districts to provide for the participation of all members in fishery matters that need our attention.

Within District organizations I have found members striving for the selection of qualified, professional leaders to occupy important posts in fishery organizations, wrestling with genetic problems associated with transplantation of fish stocks, working toward the solution of fishery allocation problems, concerned about salaries of some of our members, thinking about pros and cons of the Law of the Sea and offering to provide special knowledge relative to declining abundance of stocks, low economic returns, lack of uniform regulations and lack of basic biological information. Our members are forming committees, writing letters and papers, giving talks and advising on important matters, all in keeping with the professional standards which we stress. The member-at-large is often not aware of AIFRB action-oriented activities.

I urge those of you who are active to increase our rolls by nominating professional colleagues for membership and getting on with the formation of new Districts where they are warranted. Our membership potential is several times larger than the 900+ that we have today. If you need nomination forms, please request them from Edgar A. Best, Secretary of Membership, 7316 - 50th Avenue NE, Seattle, WA 98115. If such a request would delay the action too much, just write Ed a letter, listing your nominees, addresses and positions. Describe their research fields in a few words and mention the contributions which attracted your attention. The nominees will receive application forms from Ed. You will have contributed a service to the fishery biologist and to AIFRB.

NEWLY ELECTED FELLOWS

DAVID P. BORGESON

Michigan Department of Natural Resources, Lansing,
Michigan.
Trout research.
Am. Fish. Soc.

HARVEY RAYMOND BULLIS, JR.

Director, Southeast Fisheries Center, National Marine
Fisheries Service, Miami, Florida.
Resource assessment.
Am. Fish. Soc., Am. Soc. Ichthy. & Herp.

DAVID B. CHARLTON

Consulting bacteriologist, Charlton Laboratories, Inc., Port-
land, Oregon.
Pollution studies.
Sigma Xi.

ROBERT WHITING HARRINGTON, JR.

Research biologist, Florida Division of Health, Vero Beach,
Florida.
Ecology of saltmarsh fishes.
Am. Assoc. Adv. Sci. (Fellow), Am. Fish. Soc., Am. Soc.
Ichthy. & Herp., Am. Soc. Zool., Florida Acad. Sci.

EDMUND SCOFIELD HOBSON, JR.

Research biologist, Nation Marine Fisheries Service,
Avalon, California.
Behavior of fishes; ecology of kelp forests.
Am. Fish. Soc., Am. Soc. Ichthy. & Herp., Western Soc.
Naturalists, San Diego Nat. Hist. Soc. (Fellow).

ARTHUR A. MYRBERG, JR.

Professor, Rosenstiel School of Marine and Atmospheric
Sciences, Miami, Florida.
Sensory physiology of fishes.
Animal Behavior Society.

RALPH WILLIAM YERGER

Professor, Florida State University, Tallahassee, Florida.
Systematics and biogeography of fishes.
Am. Fish. Soc., Am. Soc. Ichthy. & Herp., Am. Inst.
Biol. Sci., Soc. Systematic Zoologists, Florida Acad.
Sci., Assoc. Tropical Biol., Assoc. SE Biol.

NEWLY PROMOTED FELLOWS

| | |
|------------------------|---------------------------|
| Donald M. Allen | Dr. Edward G. Klima |
| Dr. Norman G. Benson | Eugene L. Nakamura |
| Edgar A. Best | Dr. C. Richard Robins |
| Robert L. Borovicka | James E. Sykes |
| Dr. Donald P. de Sylva | Dr. Jose A. Suarez Caabro |
| George J. Eicher | Dr. Thomas F. Waters |
| William H. Hardman | Dr. Francis Williams |

In addition 16 Associates, and 33 Members were
accepted into the Institute, and 3 were promoted to Member
rank since January 1, 1975.

DISTRICTS IN ACTION

CAROLINA

An organizational meeting for the new Carolina District
was held April 11 at the Atlantic Estuarine Fisheries Center
(NMFS), Beaufort, NC. The District encompasses AIFRB
members in North Carolina and South Carolina. Newly-
elected officers are: Walter R. Nelsen, Director; Richard B.
Stone, Deputy Director; and Randall P. Cheek, Secretary-

Treasurer; all of AEFC-NMFS. The first regular meeting
will be held in June. The Institute extends best wishes
for success to our newest District!

SOUTHERN CALIFORNIA - Izadore Barrett, Director

A banquet honoring Dr. Frances N. Clark was
sponsored by District members at San Diego Sea World's
restaurant Atlantis on January 23rd. Acting District Director
Doyle E. Gates officiated at the affair attended by nearly
50 guests, AIFRB members, and their spouses. The evening
was spent in reminiscing and socializing. Many letters and
written messages from various parts of United States and
elsewhere were given to the guest of honor. As special
tribute to her many accomplishments in the field of
fishery biology, Dr. Clark was presented with a gold
pendant encrusted with fire opals. The gift came not only
from the participants at the banquet but also from others
who for various reasons could not attend, but who wished
to be remembered at the occasion.

—W. L. Klawe

SOUTH CENTRAL GREAT LAKES - E. H. Brown, Jr., Director

Institute-sponsored seminars continued as an important
part of District activities. For 1974-75, these were:

"Life in and around a guantrophic lake" by Carlos
Fetterolf, Jr., Bruce Manny and W. C. Johnson,
December 9 at Ann Arbor;

"Michigan's Rouge River: Its water quality, fish
communities and human impact" by Ron Spittler and
Wayne Dennison, March 19 at Dearborn.

"Paradoxes of present-day environmental manage-
ment" by John C. Neess, April 16 at East Lansing.

ALASKA - Rupert E. Andrews, Director

The Genetics Committee of the District published a
position paper on "Genetic considerations in artificial
propagation of salmon" in *Alaska Seas and Coasts*.
3(2):8-10, April 15, 1975. This newsletter is sponsored by
the Sea Grant Program, University of Alaska, for the
benefit of fishing industry and interests. The paper,
approved by the majority of District membership in March,
1975, examines the current excitement over salmon
hatcheries with a cautionary slant. Copies of the article
are available on a limited basis from:

John H. Helle, Chairman
AIFRB - Alaska Genetics Committee
Auke Bay Fisheries Laboratory
P.O. Box 155
Auke Bay, AK 99821

OREGON - SW WASHINGTON - Roy J. Wahle, Director

Effects of Timber Harvest and Road Construction on Aquatic Resources*

WHEREAS, watersheds in the Pacific Northwest provide an
abundance of renewable natural resources that comprise the
economic base of the region and include timber, high quality
water, and fish for both commercial and recreational uses:

* Adopted by District members in May 1974, the above resolution was sent to
115 agencies and individuals.

and

WHEREAS, poorly planned timber harvest operations and improper road location and construction activities can have detrimental impacts on aquatic resources, especially in small streams which provide spawning and rearing areas or are contributor water sources for the bulk of the Northwest's salmonid production; and

WHEREAS, the increased demand for timber is being met by accelerated road building and timber harvest in steep terrain with unstable soils that can adversely affect water quality, recreation, fish habitat and production on site and in downstream areas when soil movement occurs; and

WHEREAS, the demand for increased timber harvest needs to be accompanied by good design, maintenance, and surveillance of land use practices which would result in the protection of aquatic resources; and

WHEREAS, research has documented that forest lands can be managed to provide fish and high quality water as well as necessary wood products if all resources are considered in timber harvest plans and these plans are fully implemented;

NOW, THEREFORE, BE IT RESOLVED, that the Oregon-Southwest Washington District of the American Institute of Fishery Research Biologists urges federal, state, and local agencies and private industry to protect water quality in timber harvest areas, and urges the respective administrations to utilize the published facts and guidelines in their forest practice rules that have been developed from research so as to maximize the yield of all resources from our watersheds consistent with the concept of multiple-use resource management.

NOTE BENE—NB

1. Transmit 1975 Annual Dues of \$5 promptly (and past dues, if any).
2. Correct your address or name for the new Directory being completed.
3. Advise of any errors in your Diploma.
4. Advise of any errors in your account.
5. Send in names of prospective members.
6. Send in names of Deceased members.
7. Advise if you qualify and request Emeritus Rank.
8. Include some news items or views about the Institute. Also any comments re value of BRIEFS.

The Institute has recommended Dr. Elbert Ahlstrom, AIFRB Fellow, as a candidate for the National Medal of Science.

The Board of Control requests that all members appointed to policy-making boards or panels notify the Secretary of Membership of such appointments. Publication of appointments will provide recognition for the individual and enhance the Institute's role in developing fisheries policy.

WORKING CONDITIONS

The AIFRB Board of Control has established a committee to conduct a survey to determine the state of our profession. It is believed that unequal salaries and working conditions exist within our profession at the present time. Members are urged to consider this matter and direct

suggestions for suitable questions for the survey form to Roy Wahle, Box 4332, Portland, OR 97208. District Directors and the membership should submit their ideas as soon as possible so that a survey form can be made up and distributed to fishery biologists in the U.S. and Canada.

BYLAWS AMENDMENT

Fees and dues may be adjusted by the Board of Control based on a review of the Consumer Price Index (or its successor index) as of July 1 each year whenever the change is ten percent or greater during the period intervening since the date of the Consumer Price Index at the time the dues were previously set. If the Board of Control decides to adjust the fees and dues schedule as a result of such a review, the adjustment shall not exceed the percentage change on the Consumer Price Index rounded to the nearest dollar. Any other change in fees and dues shall require an amendment of the Bylaws as specified in Article VII of the Articles of Incorporation. (Passed May 3, 1975, by the Board of Control. The Consumer Price Index as of July 1, 1974, will be base for implementation of this amendment. This wording to be deleted after first use of the Consumer Price Index to adjust dues.)

TUNA RESEARCH AT WOODS HOLE

The apparent decline in abundance of Atlantic bluefin tuna, of great interest and concern to U. S. sport fishermen and commercial fishermen, has prompted an increased research effort by NMFS. Howard Schuck, AIFRB Fellow who until recently was Manager of the NMFS Marine Resources Monitoring, Assessment, and Prediction Program (MARMAP) in Washington, D.C., was transferred to Woods Hole in January 1974 to conduct the tuna investigation. His research in collaboration with noted tuna expert, Frank Mather of the Woods Hole Oceanographic Institution, will hopefully answer some of the critical questions regarding the habits, long-range migrations, and changes in abundance of the bluefin tuna and provide a basis for much-needed international control and management of the species.

In Memoriam

GILBERT A. HOLLAND

Gil Holland died March 21, 1975, while on a skiing trip. He had been employed by the Washington Department of Fisheries since 1944. He was a AIFRB member of the Northwest Washington District.

JUSTIN W. LEONARD

"Doc" Leonard, AIFRB Fellow and well-known aquatic entomologist and conservationist, died May 26 while visiting relatives in Iowa. He joined the faculty of the University of Michigan in 1964 and served as Chairman of the School of Natural Resources. Before that, he was employed by the Michigan Department of Natural Resources for 30 years, including a period as Director of the Hunt Creek Experiment Station. He authored many articles, including (with his wife Fannie) the classic monograph, "Mayflies of Michigan Trout Streams". Because of his many professional and scientific contributions, he was included in "Leaders in American Conservation".

UNDERSEA RESEARCH

The NMFS Manned Undersea Research and Technology (MURT) Group based at Woods Hole is a five-man team which is headed by Dr. Richard Cooper and includes Joseph Uzmann, both AIFRB Members. This group of biologists/divers has been perfecting techniques for research-oriented diving to photograph, hand sample, and perform other tasks not possible from a submersible to depths as great as 600 feet at the edge of the Continental Shelf. Nine years of observations of the life history, growth, and migratory behavior of inshore lobsters in New England waters was recently completed, with the present focus now on the offshore lobsters. Research dives were made in June 1973 in Veatch Canyon, south of Cape Cod, and

Norfolk Canyon off Chesapeake Bay utilizing the *Nekton*, a two-man submersible leased from General Oceanographic Incorporated.

In addition to lobster research, the MURT Group has also been involved with sea herring, primarily in an attempt to locate, observe, and document relevant features of spawning beds and related life history events in the Gulf of Maine-Georges Bank area. Their most recent activity was in September-October 1973 employing the submersible, *Nekton Gamma*.

In October 1973, Cooper also collaborated with a team of German (FRG) scientists on the Helgoland Program, a week-long dive in the frigid North Sea which included saturation diving with a cold-water, rough-sea habitat.

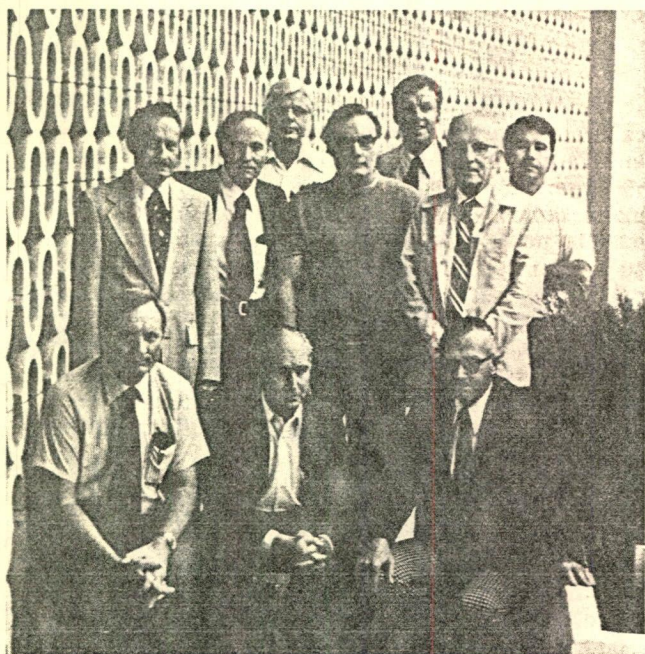
American Institute of Fishery Research Biologists

. . . BRIEFS . . .

VOL. 4, NO. 2

(CANADA, UNITED STATES, AND OTHER COUNTRIES)

SEPTEMBER 1975



Board of Control meets in Las Vegas: front, l to r. - W. Richards (FL), J. Hamilton (OR), R. Borovicka (OR); back, l. to r. - J. Sykes (NC), E. Brown (MI), H. Wendler (WA), L. Bandirola (AK), R. Wahle (WA), H. Bell (WA), W. Nelson (NC).

FROM THE PRESIDENT

Attendance of Board members at the annual meeting of the Board of Control in Las Vegas was almost complete. New District Directors were present from Alaska, Northwest Washington, the Carolinas and South Central Great Lakes. Two full days were spent at the conference table discussing major items such as reorganization, dues, categories of membership, advancement in membership status and the formation of policy in fishery matters of urgent concern. Some of the details of those discussions will appear in forthcoming issues of BRIEFS.

The hospitality hour held at Caesar's Palace was well attended; there were approximately 100 members and guests. Questions were answered regarding current AIFRB involvement in State and National fishery matters and the requirements of membership. Interest expressed there and through other personal contact indicates that the membership should increase its recruiting activity with emphasis upon young fishery biologists with recently acquired professional status.

OUTSTANDING ACHIEVEMENT

Dr. Elbert H. Ahlstrom, Senior Scientist with the National Marine Fisheries Service at LaJolla, California, has been chosen by his peers as the first recipient of the AIFRB Award for Outstanding Achievement. Dr. Ahlstrom has been a Fellow of the Institute since 1960. He is listed in *American Men of Science*, and a recipient of the Gold Medal from the

U.S. Department of Commerce. Among Dr. Ahlstrom's contributions have been his classic studies of stock assessment through systematic surveys of eggs and larvae.

INSTITUTE APPOINTMENTS

Dr. Robert V. Miller (M70) has been appointed Legislative Representative of AIFRB for a one-year period. He will produce legislative summaries on fishery matters for publication in BRIEFS. Bob is Senior Research Specialist, Marine Mammals, NMFS, Washington, D.C.

* * *

Dr. Francis Williams (M70,F75) has accepted an appointment as Chairman of the Educational Curricula Committee. The committee will study fishery curricula of universities, then make recommendations to establish professional curricula for fishery scientists. Dr. Williams is with the University of Miami, Florida.

DISTRICTS IN ACTION

ALASKA—Louis Bandirola, Director*

In April 1975, the Alaska District published a position paper on the need for careful planning in the artificial propagation of salmon (see BRIEFS, June 1975). An indication of growing concern in this area is Resolution No. 1 of the Western Division of the American Fisheries Society, passed unanimously at their annual meeting in July 1975. According to Director Bandirola, this resolution is a direct outgrowth of the position paper. AIFRB commends and supports the AFS Western Division in their resolution:

WHEREAS in Alaska there is an accelerating interest in artificial propagation as a means of enhancing the decreasing salmonid stocks, and an urgent need exists for special planning regarding genetics considerations in artificial propagation of salmonid fishes; and

WHEREAS need for genetic planning exists in all salmonid enhancement programs in the western states; and

WHEREAS it is desirable to maintain existing wild stocks in concert with artificially propagated stocks through:

- (1) location of sites for artificial propagation with regard to indigenous wild stocks, so that the adaptive genetic diversity of wild stocks will not be lost or diluted by chance interbreeding with cultured stocks,
- (2) management of fishing pressure so as not to endanger reproduction of wild stocks,
- (3) recognition of the genetic risks involved if transplanted and wild stocks interbreed; and

WHEREAS it is also desirable to maintain adaptive genetic diversity in most artificially propagated stocks through:

- (1) use of sufficient numbers of females and males in brood stock to avoid inbreeding depression problems,

*The June 1975 issue of BRIEFS incorrectly listed Rupert Andrews as District Director; he was replaced by Louis Bandirola in an election held in autumn 1974. Malin B. Bonett is the Secretary-Treasurer—Ed.

(2) avoidance of selective breeding except when used as a research technique: Now, therefore, be it

RESOLVED, That enhancement or rehabilitation of salmonid stocks in a stream or lake system should utilize native stocks already present; and be it further

RESOLVED, That in special situations where no alternative to transplantation exists, the characteristics of the donor stock be carefully matched so as to be compatible with new environment; and be it further

RESOLVED, That the biological impact of transplantation on the recipient and surrounding watersheds be thoroughly evaluated; and be it further

RESOLVED, That artificially propagated stocks should be isolated (in time and space) from wild stocks to allow effective management of fishing pressure on both types; and be it further

RESOLVED, That all agencies involved in enhancement and management of wild and cultured stocks of salmonids evaluate their present policies with respect to conservation of genetic diversity in wild stocks; and be it further

RESOLVED, That copies of this resolution be forwarded to agencies involved in artificial propagation and to the office of the parent society requesting that said policy be encouraged on a national basis.

FLORIDA—William J. Richards, Director

The Florida District announces that its paper on the Florida spiny lobster fishery will be published in *Florida Scientist* in September (1975, vol. 38, no. 3). The paper is authored by Gary L. Beardsley, T. J. Costello, Gary E. Davis, Albert C. Jones, and David C. Simmons, all members of the Florida District.

The position paper examines the problems of the fishery: declining abundance, low economic return, ineffective regulations, inadequate fishery statistics, and lack of natural history information. The authors discuss possible management measures, such as allocating the resource and adopting uniform regulations, and the research and statistical data necessary for management.

The appearance of this paper, which is the second position paper (see BRIEFS, June 1972) endorsed by the Florida District, is timely in that the spiny lobster fishing industry presently faces major readjustments. Several hundred U.S. fishermen have been excluded from fishing for spiny lobsters on the Bahamas Banks since the Bahamas Government declared the spiny lobster a creature of the continental shelf in July 1975. Talks between the two Governments have been unsuccessful in gaining continued access for U.S. fishermen. As a result of this exclusion, more lobster fishermen have entered the local, Florida Keys fishery and increased the competition for that resource.

OREGON-SW WASHINGTON—Roy J. Wahle, Director

District members met in Portland on September 4 for a luncheon-business meeting. The business meeting featured Roy Hamilton, Chairman of the Reorganization Committee, who presented details on the proposed reorganization plan for AIFRB. Guest speaker was Joseph T. (Terry) Durkin, Program Leader, Columbia River Estuarine Studies, NMFS. He discussed environmental problems affecting fishery resources of the Columbia River estuary.

NORTHWEST WASHINGTON—Henry Wendler, Director

Henry Wendler (M60,F72) Washington Department of Fisheries, was elected District Director this summer. He succeeds Dr. Richard Whitney, and will serve a three-year term. Also elected were Dr. Richard Noble (M61) as Vice-

Director and Dr. Richard Cardwell (M73) as Secretary-Treasurer, both of the Washington Department of Fisheries. The Institute thanks the outgoing officers and wishes a "following sea" for the new ones.

SOUTH CENTRAL GREAT LAKES—E. H. Brown, Jr., Director

Members of the District Steering Committee met last August to discuss and plan District activities. A meeting of the District membership will be held in October as a fall kick-off. Dr. Sandy Engel (M73) is chairing the Steering Committee.

W. F. THOMPSON AWARD

The W. F. Thompson Award Committee of the AIFRB is calling nominees for the outstanding student paper published in 1973 and 1974. The award will be \$250.00.

Criteria for consideration are: Papers must be related to marine or freshwater science, but not necessarily to fisheries; must be published within 2 years of termination of student status (if an outstanding paper does not meet this requirement due to a technically uncontrollable reason such as military service, etc., it may still be considered); must be based on research conducted while the author was a student (a student is defined as one who has had no more than 2 years of fulltime research experience before entering graduate study); must be a paper of single authorship; must be published in a recognized scientific periodical or as a formal book; and must be in English.

Authors may submit their own papers, but members of AIFRB may solicit papers from other professional colleagues.

Three copies (reprints preferred) and a biography of the author should be sent to Dr. W.J. Richards, Chairman W.F. Thompson Award Committee, 75 Virginia Beach Drive, Miami, FL 33149 for distribution to committee members J. G. Carlisle, Jr. and P.J. Colby. Deadline for submission is December 31, 1975 so that the results can be presented to the President of AIFRB in early 1976.

LEGISLATIVE STATUS REPORT SEPTEMBER 11, 1975

Laws enacted in the 94th Congress

1. P.L. 94-58 (H.R. 5709)—(Offshore Shrimp Fisheries Act Amendments of 1975—July 24, 1975)
This Act implements recent amendments to the U.S./Brazil Shrimp Agreement, signed March 14, 1975. The Act contains technical amendments regarding life of Agreement, permissible number of vessels allowed to fish at any particular time, fees for licenses, and other changes needed to conform the Act with the new Agreement.
2. P.L. 94-62 (H.R. 5710)—(Marine Protection, Research, and Sanctuaries Act of 1972/Appropriation Authorization—July 25, 1975)
This Act amends the Marine Protection, Research, and Sanctuaries Act of 1972 by authorizing, for fiscal year 1976 and for the transitional fiscal period ending September 30, 1976, appropriations for carrying out Titles I, II (Ocean Dumping), and III (Sanctuaries) of the 1972 Act.
3. P.L. 94-70 (H.R. 5522)—(Atlantic Tunas Convention Act of 1975 - August 5, 1975)
This Act implements the International Convention for the Conservation of Atlantic Tunas (ICCAT) and provides the U.S. with necessary authority to carry out its responsibilities under the Convention. Secretary of Commerce authorized and directed to administer and enforce all

provisions of Convention. In addition, authorizes the President to appoint Commissioners and Alternate Commissioners to represent U.S. on International Commission and authorizes Commissioners to appoint Advisory Committee. Sec. of State is authorized to receive and act on conservation recommendations made by Commission, and Sec. of Commerce is authorized to promulgate and enforce such recommendations to ensure compliance of U.S. fishermen. Finally, Act authorizes Sec. of Commerce to cooperate in carrying out scientific and other programs of Commission.

Bills pending in the 94th Congress

JURISDICTIONAL EXTENSION

(H.R. 200-Studds/MA, H.R. 1070-Sullivan/MO, H.R. 3412 - Dingell/MI, H.R. 4582 - Bonker/WA, S. 961 - Magnuson/WA)

Description: There have been a number of bills introduced in the 94th Congress concerning the extension of fisheries jurisdiction. The two key bills are:

H.R. 200, as amended by full Merchant Marine and Fisheries Committee, provides for 200-mile fisheries zone effective July 1, 1976. Established authority in Sec. of Commerce to manage coastal fisheries within the zone and anadromous fisheries both inside and beyond the zone. The bill exempts highly migratory species insofar as they might be subject of international treaty and regulated pursuant to that treaty. The bill creates seven Regional Councils with responsibilities for developing management plans to submit to Secretary for approval. Final authority, however, is vested in Secretary for ultimate development of both management plans and implementing regulations. The bill provides for issuing permits to foreign fishing vessels desiring to fish in the zone. Permits would be issued under restrictive guidelines requiring applicants to submit statements as to intentions as well as agreeing to be bound by management plans applicable to fishery in question. The bill also provides for negotiations with other nations off whose coasts U.S. distant-water fishermen operate. Intention here is to provide protection to U.S. distant-water fishermen; toward that end bill provides for possible embargoes of seafood products from nations that do not honor, through appropriate negotiations, U.S. fishing operations off their coasts. Additionally, the bill provides for Congressional review and possible disapproval of any executive fishery agreement (other than a treaty under the Constitution). This section stipulates Congress will have 60 days to disapprove any such agreement (all permits which could be granted to foreign nations to fish in the zone are considered as agreements for this purpose).

S. 961 is identical to *S. 1988*, which was passed by Senate in 93d Congress. It established, as an emergency measure, a 200-mile fisheries zone. It creates a National Fisheries Council that would prepare recommendations to Congress on necessary fishery management programs and national management system to conserve and protect fish. After Council completes proposal (1 year's time), Congress considers council's recommendations and enacts subsequent legislation authorizing Federal Government to institute fishery management programs.

Status: H.R. 200 was ordered favorably reported by House Merchant Marine and Fisheries Committee on July 31, 1975. Expected that bill will be reported in September with subsequent House action following soon thereafter. Senate Commerce Committee expected to consider issue during September and October. *S. 961* will probably not be seriously considered in present form, but it is expected that Senate Committee will develop alternative bill closer to House bill.

AQUACULTURE

(H.R. 2814 - Forsythe/NJ)

Description: The bill directs Sec. of Commerce to develop national aquaculture program. Secretary also directed to coordinate all Federal programs in aquaculture and carry out wide range of activities designed to develop aquaculture.

Status: Hearings were held by Subcommittee on Fisheries and Wildlife Conservation and the Environment, House Committee on Merchant Marine and Fisheries on May 1 and June 20, 1975. Further hearings are anticipated.

—Robert V. Miller

MEMBER ACTIVITIES

Robert Borovicka (M67,F74) has been elected Chairman of the Nominating Committee for the Western Division of the American Fisheries Society. Bob is presently Vice-President of AIFRB.

* * *

Edwin A. Joyce (M74) has been appointed Director of the Division of Marine Resources, Florida Department of Natural Resources. He has worked for the Department since 1961. He is also editor of the Florida Marine Research publications series.

* * *

Dr. Joseph Kutkuhn (M61) became Director of the Great Lakes Fishery Laboratory, U.S. Fish and Wildlife Service, last July. Joe stepped up to the directorship from Assistant Director at GLFL. He had been Acting Director prior to his appointment.

FROM THE BOARD

The July 1975 Membership Directory was mailed with the June 1975 issue of BRIEFS. Corrections should be sent to Edgar A. Best, Membership Secretary.

* * *

Although the primary responsibility for rank advancement of members rests with the Institute, members are encouraged to seek advancement as they become eligible. Requirements are listed in the Articles, Policies and By-Laws Handbook, September 1969. Letters of application may be

In Memoriam

C.A. "Bud" Weberg, AIFRB Member, died at his home at Lena Point, Alaska, on July 18, 1975. Weberg was Deputy Commissioner of Public Safety for the state. He was born September 19, 1926 in Denver, Colorado. He received a B.A. in zoology from Colorado A & M in 1952 and went to work in 1955 for the Alaska Territorial Department of Fisheries as a biologist. During 1961 to 1975 Weberg held various key positions in fishery administration: Director, Division of Protection, Alaska Department of Fish and Game; Assistant Director, Oregon Fish Commission; Director, International Fisheries, Alaska Governor's Office; Director, Alaska Fish and Wildlife Protection Division; Deputy Special Agent-in-Charge, Alaska Region, Law Enforcement Division, NMFS. He was also a former member and adviser of the International North Pacific Fisheries Commission; a former deputy commissioner of the U.S. Fur Seal Commission; and former adviser to the Pacific Marine Fisheries Commission. Weberg is survived by his wife Willeen, and two sons.

sent to District Directors or other members of the Board of Control.

* * *

The Board of Control encourages District activities that would advance professionalism such as symposia in connection with meetings of other organizations and professional conferences on specific fishery problems.

PACIFIC NORTHWEST MEMBERS

Your attention is drawn to SYESIS, a journal of the British Columbia Provincial Museum (BCPM). It invites contributions that provide understanding of the diversity of Pacific Northwest fauna or interactions between such organisms or with the environment. Your suggestions on how to make the journal more useful as a regional publication for biologists are solicited.

Alex E. Peden, Curator (M72)
Marine Biology Division, BCPM
Victoria, B.C., Canada V8W 1A1

FISHERY VS. FISHERIES

Use of the term "fisheries" as an adjective has crept into our writing and speaking over the past 15-20 years. As in earlier years, the usage continues to be unacceptable to some, but now seems to have become the rule rather than the exception. Very seldom now do we see the terms fishery biology, fishery biologist, fishery management, fishery surveillance, fishery problems, etc.

Years ago, one of the most respected fishery biologists in the Nation declared that the term fisheries biologist was equally as poor in grammar as the term rosies garden. We might ask a question in an attempt to learn whether or not general use of fisheries something or other is correct. If it is correct then what is wrong with speaking or writing about Bicycles Shop, Automobiles Garage, Laws Office, Books Store, Appliances Center, Vegetables Garden, Pines Thicket, Houses Builder, Marriages Counselor, Taxes Collector, etc.?

A bicycle shop sells and repairs large ones, small ones, one-speed, 10-speed, red ones, blue ones, and usually several brands. An automobile garage repairs Chevrolets, Fords, Plymouths and Ramblers, to name a few. A vegetable garden often grows beans, onions, tomatoes, radishes, beets, and probably several other food items. A tax collector is sometimes responsible for real estate tax, personal property tax, dog tax, school tax, poll tax, etc.

A fishery biologist, fishery management programs, a fishery statistics program and fishery research sometimes are responsible for salmon, menhaden, mackerel, halibut, flounders, crabs, snook, tuna, billfish, snappers, etc. Fishery research and fishery management automatically include a variety of species and a number of fisheries. It is not necessary and furthermore it is incorrect to use the term fisheries *indiscriminately* as an adjective. "Fishery" covers all but certain general uses (e.g., U.S. fisheries).

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