

American Institute of Fishery Research Biologists

... BRIEFS ...

VOL. 2, NO. 1

(CANADA, UNITED STATES AND OTHER COUNTRIES)

MARCH 1973

NEW MEMBERS 1972

This list is published pending issuance of a new Directory in January 1974. To conserve space only initials and State or Province are given. Those elected FELLOWS are marked with an asterisk*.

Adams, G. F. ONT	Everest, F. H. OR	Koski, C. H. OR	Rehrer, R. G. FL
Allum, M. O. OR	Finucane, J. H. FL	Lantz, R. L. OR	Richards, C. E. VA
Andersen, A. M. MD	Fiscus, G. I. GI	Laurs, R. M. CA	Ritchie, D. E. Jr. MD
*Bailey, R. M. MI	Fitzsimmons, J. M. LA	Lea, R. N. CA	Roe, R. B. MS
Bakkala, R. G. WA	Fox, W. W. WA	Manion, P. J. MI	Roger, P. B. WA
Banks, J. L. WA	Frey, H. W. CA	McComish, T. S. IN	Rottiers, D. V. MI
Barnhart, R. A. CA	Fulton, L. A. WA	McErlean, A. J. DC	Saloman, C. H. FL
Beamish, F. W. H. ONT	Giger, R. D. OR	McMullen, J. C. AK	Scidmore, W. J. MN
Becker, G. C. WI	Gotshall, D. W. DW	Mearns, A. J. CA	*Scott, D. C. GA
Beiningen, K. T. OR	Gregory, R. W. ME	Merriner, J. V. VA	Selgeby, J. H. WI
Berst, A. H. ONT	Harville, J. P. OR	Metsker, H. E. AK	Siefert, R. E. MN
Breese, W. P. OR	Heberger, R. F. RF	Miller, B. S. WA	Smith, C. E. MT
Brannon, E. L. BC	Hergenrader, G. L. NB	Moe, M. A. FL	*Smith, C. L. NY
Brooke, L. T. WI	Hogman, W. J. VA	Morgan, R. R. II MD	Spangler, G. R. ONT
Busch, W. D. N. OH	Hokanson, K. E. F. MN	Musick, J. A. VA	Sulkin, S. D. MD
Carr, J. F. MI	Hoss, D. E. NC	Neill, W. H. HI	Summerfelt, R. C. OK
*Chapman, D. G. WA	Hudson, J. H. FL	Nelson, W. R. SD	Testaverde, D. A. FOR
Chittenden, M. E. VA	Hurley, D. A. ONT	Niska, E. L. OR	Thomson, J. A. BC
Clady, M. D. OR	Iverson, D. A. OR	Odum, W. E. VA	Thompson, J. S. WA
Cooper, J. E. MD	Johnson, A. G. WA	Peden, A. E. BC	Tsai, C. F. MD
Cooper, R. A. ME	Johnson, F. H. MN	Pennoyer, S. AK	Ulrikson, G. U. TN
Courtenay, W. R. FL	Johnson, H. E. MI	Peterka, J. J. ND	Washington, P. M. Jr. WA
Craig, W. L. CA	*Johnson, L. MAN	Pitt, T. K. NFD	Weirkamp, E. E. WA
Dammann, A. E. VI	Kapetsky, J. M. MI	Poe, P. H. WA	Wickham, D. A. MS
Davis, W. P. DC	Keller, M. MI	Powell, G. C. AK	Wolcott, R. S. C. O
*DeGiusti, D. L. MI	Kemmerer, A. J. CA	Prescott, J. H. MA	Wydoski, R. S. WA
Drummond, R. A. MN	Kissner, P. D. AK	Pulford, E. F. OR	Young, P. H. CA
Elrod, J. H. SC	Knaggs, E. H. CA	Purvis, H. A. MI	Youngs, W. D. NY
Erman, D. C. CA			

The total of new members in 1972 is about 3 times the normal annual increment. It also is gratifying to note that the 113 new members came from 29 States, 4 Provinces and 1 other Country. The Institute is now represented in 43 States, District of Columbia, 2 Territories, 6 Provinces as well as several other countries.

In 1972 there was a 33% increase in membership from Atlantic States, 30% in Canada, and 14% on the Pacific Coast where the Institute had its origin 15 years ago.

Efforts must be continued to further broaden the membership base so that all sections of North America are well represented. With such a base, the Institute can be an effective instrument by which excellence and achievement in the profession can be recognized no matter where one may practice.

RECRUITMENT

One of the obligations of all members is to nominate those who by their achievements should be recognized by the Institute. *A new brochure explaining the purpose, organization and functions of AIFRB has just been published, and could be effectively used in recruiting new members.* Should you desire copies of the brochure or Nomination Forms, advise the Secretary-Treasurer on the back of your Statement of Dues.

DIPLOMAS

Some diplomas are expected from the engravers shortly. Please return any that may be defective or with error.

MEMBERS-AT-LARGE

According to the Bylaws, Districts are "of such size as to permit convenient attendance at meetings by the Fellows, Members and Associates resident therein." However Fellows or Members not residing in a District may affiliate themselves with some District for a closer relationship with Institute activities. If so, advise the Secretary-Treasurer, 404 - 12th Place N., Edmonds, WA 98020 of the District of your choice.

\$\$\$ DUES \$\$\$

Your statement is enclosed. Those in arrears over 3 years may pay a \$10.00 Fee and \$5.00 current annual Dues to be in good standing.

Since the Secretary-Treasurer and Secretary of Membership and the Districts seek to be largely independent of clerical and other aid from employers, it is necessary that Dues be remitted promptly. Our expenses are very close to our cash flow.

DISTRICTS IN ACTION

Southern California

With the election of Izadore Barrett as Vice President, Dr. Glenn A. Flittner, Vice Director will be Director of the Southern California District pending elections in the summer of 1973.

South-Central Great Lakes

In January, the first in the 1973 series of seminars "Salmon Fishing Stinks", subtitled "Have We Oversold the Coho and Chinook" was led by Mr. Tom Opre, Outdoor Editor, Detroit Free Press and Mr. Jack Van Coevering, Adjunct Professor of Resource Communications, University of Michigan.

The seminar stressed angler's recent reactions to Coho fishing in the Great Lakes. Much was said about angling techniques, the aesthetic experience and the sport values of such fishing.

Both speakers agreed that there was some valid and serious criticism of the Coho and Chinook as desirable sport fishes for the Great Lakes. Some of the audience disagreed and a vigorous exchange ensued. (Reported by Director Smith).

Oregon-Southwest Washington

A District dinner-meeting was held November 28 in Portland with 13 members and three guests present.

Director Borovicka reported upon the Board of Control Meeting in Stuttgart. A Committee was formed to prepare a policy statement on criteria to be followed when taking part in public issues. The meeting believed (1) that the AIFRB should distinguish between professional and political matters and avoid the latter, and that (2) the District could point out the issues regarding the Columbia River with supporting user groups.

A meeting is planned with the Governor, Senate and House of Representatives of the State of Oregon to discuss fisheries questions including reduction of commercial fishing on the Columbia River and possible consolidation of the Game and Fish Commissions.

Northwest Washington

WORKING CONDITIONS REPORT

The Report of the District Committee on Working Conditions was sent to Directors of State conservation agencies on the Pacific Coast as well as Regional Directors of like Federal agencies.

Director Whitney in a covering letter noted that the report showed that State agencies lagged behind others in salaries, educational leaves and other professional advantages. The assistance of the AIFRB was offered in implementing any measures to alleviate the inequities.

Subsequently Director Whitney served as Chairman of a Washington State Personnel Board 3-person panel to administer oral promotion examinations in the Department of Fisheries.

The Chairman's report on the examinations included the finding of the AIFRB report that the salaries in the positions under consideration were inadequate for the level of responsibility required.

DISTRICT MEETINGS

The District under recently-elected Director Dr. Richard R. Whitney is actively continuing monthly panel discussion or speaker presentations on timely topics. The number attending is shown under the date. (xx)

- | | |
|---------------------------|---|
| September 26 1972
(19) | WHENCE AND WHITHER AIFRB?
Panel: Mr. F. Heward Bell
Mr. J. E. Lasater
Dr. R. Van Cleve |
| October 24 1972
(18) | THE WASHINGTON SHORELINES
INITIATIVE
Panel: Mr. Glen Crandall
Mr. Geoffrey L. Crooks
Mr. Earle D. Jewell
Mr. J. M. McEwing |
| November 28 1972
(38) | ATLANTIC SALMON
Speaker: Dr. Lauren R. Donaldson |
| January 23 1973
(24) | ROLE OF A FISHERY CONSULTANT
Panel: Mr. Milo Bell
Mr. Cedric E. Lindsay
Dr. Ernest O. Salo |
| February 27 1973
(20) | PROPOSED NEW FISH LADDER AT
SHILSHOLE BAY
Panel: Mr. William H. Rees
Mr. John S. Thompson |

THE NORTH PACIFIC ICES

The Northwest Washington District on February 1, 1972 urged the Institute to take any steps necessary to create an International Council for Investigation of the North Pacific Fisheries. The Board of Control authorized Dr. Van Cleve to form an ad hoc Ways and Means Committee of Dr. D. L. Alverson, Dr. J. L. Hart, Dr. J. A. Kask, and Dr. K. S. Ketchen which met in Vancouver on October 26, 1972. It was suggested that Dr. A. W. H. Needler might arrange a meeting of scientists of interested countries attending the FAO Conference on Stock Assessment and Management in Vancouver in February, 1973.

On February 22, 1973 Canada hosted a dinner meeting for the following:

CANADA: Dr. A. W. H. Needler, Mr. K. C. Lucas, Dr. K. S. Ketchen, Dr. P. W. Johnson

JAPAN: Mr. Y. Fukada, Mr. T. Kikuchi

U.S.A.: Dr. D. L. Alverson, Dr. W. F. Royce, Dr. R. Van Cleve

U.S.S.R.: Dr. A. S. Bogdanov, Dr. Studenetsky, Dr. Riazantsev
FAO: Mr. F. E. Popper, Mr. J. A. Gulland, Dr. H. Kashahara, Dr. Mario Ruivo.

The proposal was favorably received by all and the meeting moved rapidly to a consideration of the scope, structure and implementation. These and other matters were to be left to an organizational meeting that Canada would soon convene to which all countries fishing in the North Pacific would be invited.

With the enormous expansion of fishing in the region the past decade there is urgent need for more detailed fishery statistics and knowledge of the stocks of fish. Also such a body would serve as a forum for all countries in the region to participate in coordinated research on the fisheries.

It appears that the AIFRB has been successful in stimulating renewed interest in the formation of a Pacific counterpart of the North Atlantic ICES, now about 75 years old.

PROPOSED ACHIEVEMENT AWARD

Based on a recommendation at the Tenth Annual Meeting of the Board of Control Dr. Ted S. Y. Koo was appointed Chairman of a committee to consider whether the Institute should recognize outstanding achievement of individual members and the form and frequency any such recognition might take. Koo invited all six District Directors to serve on the committee. Below are highlights of the Committee Report.

Should AIFRB establish an Achievement Award? The overriding reason for "yes" is that a principal goal of the Institute is "to maintain high professional standards in fishery research biology by recognition of achievement . . ." Opposing reasons include cost, demands of such an undertaking, difficulty of an objective selection, and duplication of action by other organizations such as the American Fisheries Society. With due regard for reasons on the con side, the Committee believes they are less compelling than those in support.

Selection of candidates and a recipient should be based on one or more of the following criteria: significant publications, exceptional service records, outstanding teaching and training of students, important discoveries or inventions, and other major contributions to the advancement of fisheries science. The Award should be given once a year, if possible. A simple but well-designed certificate or plaque is the recommended form of recognition.

To implement the process, an Achievement Award Committee, composed of six Institute members, should be appointed by the President. Initially, half the Committee will serve for three years, the other half for two years. After that, all members will serve for two years. The Committee nominates a candidate or candidates to the Board of Control for final selection. The presentation of the Award should be given nationwide publicity.

In Memoriam

GERALD JOHN PAULIK

Dr. Gerald J. Paulik, AIFRB FELLOW, died in October 1972 in Seattle. He was a very active member of the Northwest Washington District from its inception. He exemplified in full measure the qualities of excellence and achievement for which the Institute stands. Dr. Paulik during too short a career was already recognized as a leading authority in the field of fish population dynamics. The profession has lost a brilliant scientist and many of us a good friend.

NICHOLAS PASQUALE

Nicholas Pasquale, AIFRB MEMBER of the Northwest Washington District, passed away on November 28, 1972. He had been engaged in groundfish research for the Washington State Department of Fisheries since 1955. Nick will be missed by his colleagues and many friends in the fishing industry. His coworkers say of him, "He was one of those rare personalities equally at home with fishermen and scientists."

BOOK ANNOUNCEMENTS

Please provide the Editor with the name, size, cost and publisher along with a brief summary or the Publisher's Announcement of any book that you or any other Institute member may have recently published. Only books of members can be listed in BRIEFS.

APPLICATIONS 1973

Though it is only early in the year a large number of our colleagues have been duly nominated for membership as provided by the Bylaws. As of the 15th of March 30 of them have already made Application for Membership.

Pending their review at the next meeting of the Board of Control each applicant will be kept advised of all Institute activities. Those situated in an organized District will be invited as guests to all District meetings.

Those who have already applied are:

Dr. Emory D. Anderson	Woods Hole, MA
Dr. Dean E. Arnold	Penn. State University
Milo C. Bell	Univ. of Washington
Theodore H. Blahm	Longview, WA
Malin B. Bonnet	Auke Bay, AK
Robert J. Brown	Raleigh, NC
Clifford L. Brynildson	Madison, WI
I. B. Byrd	Petersburg, FL
Louis H. Carufel	Eureka, CA
James L. Chandler	Portland, OR
Randy L. Eshenroder	Ossineke, MI
James L. Fessler	Corvallis, OR
Carlos M. Fetterolf	Williamston, MI
Dr. Roger L. Herman	Kearneysville, WV
Dr. Keith S. Ketchen	Nanaimo, B. C.
Dr. Ronald H. Kilgen	Thibodaux, LA
Richard L. Kroger	Beaufort, NC
Dr. Hugh R. MacCrimmon	Guelph, Ont.
Austin R. Magill	Washington, D. C.
Charles S. Manooch III	Beaufort, NC
Harold E. McReynolds	Milwaukie, WI
Dr. Fred P. Meyer	Stuttgart, AR
Dr. Walter T. Momot	Columbus, OH
William D. Parente	Portland, OR
Dr. George Post	Colorado State Univ.
John Radovich	Sacramento, CA
Dr. Robert E. Reinert	Ann Arbor, MI
Howard A. Shuck	Washington, D. C.
Gerard A. Sgro	Pittsburg, PA
Dr. Richard A. Wade	Washington, D. C.

American Institute of Fishery Research Biologists

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OCTOBER 1973

THE NEWLY ELECTED FELLOWS

— EXCELLERE SUM —

Milo C. Bell

Professor, College of Fisheries, University of Washington, Seattle, Washington. Fisheries Engineer; Fundamental studies involved in anadromous fish passage facilities. Leading expert to many international, Federal, State and Provincial agencies. Teacher; Nat. Acad. Engineering; Eugene Baker Award of Cons. Engineers.

J. B. Byrd

Fisheries Research Administrator, National Marine Fisheries Service, Petersburg, Florida.

Author of many papers and programs of research, development and management of private and public freshwater fishing areas.

Pres. AFS '65-'66; Pres. So. Div. AFS '58-'59; Dir. Exec. Comm. World Mari. Soc. '71.

Donald Seward Erdman

Research Coordinator, Department of Natural Resources, San Juan, Puerto Rico.

Biologist; Life histories of marine game fish of Central America and Caribbean; phenological research.

AFS; Fish. Soc. Brit. Isles; IBP Phenol. Program.

Carlos de la Mesa Fetterolf Jr.

Chief Environmental Scientist, Michigan Department of Natural Resources, Lansing, Michigan.

Fundamental research on pollution in relation to aquatic resources with environmental decisions based on science and logic rather than politics and emotion.

Pres. Midwest Benthol. Soc. '66; Pres. Mich. Assoc. Conser. Ecol. '69; AFS.

Keith S. Ketchen

Assistant Director, Pacific Biological Station, Nanaimo, British Columbia.

Leading authority on demersal fish resources of North Pacific Ocean; many research reports on species of demersal fish off British Columbia; scientific advisor on international fisheries matters. Past Pres. Pac. Fish. Biol.

Alvin C. Lopinot

Chief Fishery Biologist and Assistant Supervisor, Illinois Department of Conservation, Division of Fisheries, Springfield, Illinois.

Administers statewide fisheries management and research programs; author of many wildlife studies.

N. Centr. Div. AFS Pres. 1973; Pres. Mid W. Benth. Soc.; Aquat. Weed Soc.; Outdoor Writers Assoc. of Amer.

Hugh Ross MacCrimmon

Chairman, Department of Zoology, Guelph University, Guelph, Ontario.

Author of many studies of f.w. species of fish, particularly trout. Teacher and developer of an effective fisheries curriculum.

Can. Soc. Zool.; Can. Assoc. Univ. Teachers; AFS.

Fred Paul Meyer

Assistant Director, Fish Farming Experimental Station, Stuttgart, Arkansas.

Parasitologist; many authoritative contributions on the control of warmwater fish diseases.

Am. Soc. Parasit.; AFS; Iowa Acad. Sc.

James Malcolm Moulton

Chairman, Department of Biology, Bowdoin College, Brunswick, Maine.

Biologist and Educator; basic studies in fish acoustics and underwater sound production; experimental embryology.

Fellow AAAS; AIBS; Am. Micros. Soc.; Am. Soc. Zool.; AFS.

Henry A. Podoliak

Senior Scientist, Tunison Laboratory of Fish Nutrition, Cortland, New York.

Physiologist; author of many studies on nutrition and physiology of trout.

Am. Nuc. Soc.; Am. Chem. Soc.; NY Acad. Sc.; Fellow Am. Inst. of Chem.; AFS.

George Post

Professor, Colorado State University, Fort Collins, Colorado.

Parasitologist and Nutritionist; authored many studies on freshwater fish diseases and their control.

AFS; Nat. Acad. Sci.; Wildlife Disease Assoc.

John Radovich

Chief, Operations Research, California Department of Fish and Game, Sacramento, California.

Authored papers on Pacific sardine research; directs basic investigations on marine problems, evaluation studies and their coordination at State, Federal and international levels.

AFS; Pac. Fish. Biol.

Howard C. Schuck

Manager, Marine Resources Monitoring, Assessment and Production Program, National Marine Fisheries Service, Washington, D.C.

Ecologist and Systems Analyst; trout and haddock investigations; strategic military studies; Arctic investigations and land use.

AIBS; Biom. Soc.; Ecol. Soc. of Am.; AFS; Past Pres. NE Fish Biol.

Jack Richard Snow

Supervisory Fishery Biologist, Bureau of Sport Fish and Wildlife, Marion, Alabama.

Research in pondfish culture including bass. Author of many papers including a basic manual of Pond Fish Culture.

Am. Soc. Limnol. and Oceanog.; AFS.

DISTRICTS IN ACTION

Oregon-Southwest Washington

A dinner-meeting was held May 21 in Salem, the Capitol of Oregon, with 22 members and guests. Director Borovicka reconvened the meeting in the Capitol Building with Senator Michael G. Thorne, Chairman, Senate Committee on Agriculture and Natural Resources; Don Jarvi, Administrative Assistant to the latter committee; Chip Hayden, Administrative Assistant, House Committee on Consumer and Business Affairs; and Representative Dick Magruder, member, House Agriculture and Natural Resources Committee present.

Senator Thorne reviewed several pending Bills dealing with fisheries matters. In the discussion it appeared that the people on the Upper Columbia River seem to want fish restored to the primeval abundance without regard to biological and social facts; that sportsman demands are increasing and that less than half the original environment is available to or suitable for anadromous fishes.

The Senator thought that 'white papers' by the AIFRB would be helpful to the legislature if supported by verbal testimony. Roy Hamilton, past AIFRB President, felt that retired AIFRB members could pursue such activities and thereby not involve an employer or agency without authorization. In case of divided AIFRB opinion both sides could be presented as done, for example, by the League of Women Voters.

South Central Great Lakes

Under District Director Smith current and sometimes controversial topics have stimulated high interest and good attendance in the following seminars:

February—*Mercury in Fish* (Is it really more than just a paper tiger?)

March—*Urban Fishing* (Concept, Development and Application.)

April—*Swimming Dynamics of Fish* (Theory and Application.)

May—*The Aquatic Scientist in Industry* (Can he endure.)

Two of the seminars were held at Michigan State University, East Lansing and two at Great Lakes Fishery Laboratory, Ann Arbor.

Northwest Washington

The first fall meeting was held October 1 under Director Whitney. The 42 members and guests heard varied views on the topic *Biological Tests For Water Quality* by the following speakers: Mr. Gene Haydu, Weyerhaeuser Company; Dr. Max Katz, Seattle Marine Laboratories; Dr. Charles Woelke, Washington State Department of Fisheries.

\$\$\$\$ FISCAL MATTERS \$\$\$\$

A policy of austere financial independence is still being pursued. *Unlike all similar societies Annual Dues have not changed in 17 years despite the more active role of the Institute.*

To continue the foregoing it is necessary that Dues be paid promptly. Also the biennial Membership Directory is to be published soon and it is hoped that *all members* will be paid up at that time. This includes the newly-elected members.

Those members in arrears over 3 years may under the By-laws be reinstated by payment of \$10 Readmission Fee and \$5 current Annual Dues.

Please send in address changes or other corrections to the January 1, 1972 Directory.

PROPOSED REORGANIZATION

While the present structure of the AIFRB has served its purpose to date the rapid expansion in membership throughout North America require changes be made.

It was proposed to the Board of Control by the Secretary Treasurer that the Continent be divided into 5 or 6 Regions headed by an elected member who, along with the President and Vice President, would form a 7 or 8 person Board of Control.

A governing body of that size would be effective and able to function economically. It would be stable in size and provide adequate representation to all sections of the Continent. It would also better represent the present members-at-large who now comprise 40% of the membership.

The Committee on Reorganization consisting of R. E. Andrews, I. Barrett, E. S. Iversen, R. R. Whitney and E. L. Cooper, Chairman, invites suggestions from the members. These can be addressed to the AIFRB, 404 - 12th Pl. N., Edmonds, WA 98020.

BYLAW AMENDMENTS

An ad hoc Bylaws Committee of J. A. R. Hamilton and Stanford H. Smith is to report on a number of procedural changes in the Institute that were discussed at the Annual Meeting. They should expedite and simplify the Nomination and Election process. They along with other amendments are designed to make the Institute a more viable organization but with no reduction in standards.

The Committee invites all members to send in suggestions and comments to AIFRB, 404 - 12th Place North, Edmonds, WA 98020.

AWARD FOR EXCELLENCE

Edward H. Brown, member of the AIFRB since 1968 received the Annual Award of The Wildlife Society for the outstanding journal publication in fishery ecology and management in 1972. The paper was "Population Biology of the Alewives, *Alosa pseudoharengus*, in Lake Michigan, 1949-70." (J. Fish. Res. Bd. Can, 29(5) :477-500)

Ed accepted the award "on behalf of all past and present members of the Great Lakes Fishery Laboratory in Ann Arbor, Michigan," adding "we (the GLFL staff) have had the pleasure and sometimes the pain of studying the far-reaching ecological changes in the Great Lakes that have made these waters North America's biggest outdoor laboratory."

In 1962, Ed was also first runner-up for the award of the Wildlife Society.

CONGRATULATIONS, ED

(rptd. by R. F. Heberger, Jr.)

ELECTIONS

Southern California District

At a recently-conducted election Izadore Barrett was elected Director, Doyle Gates, Vice Director and Craig Orange, Secretary Treasurer. Since Candidate Barrett is Vice President the ballots were counted on September 21 by a committee of Messrs Klawe and Sakagawa. This fills the vacancy that arose when the new incumbent resigned when elected Vice President in 1972.

Florida District

Dr. William J. Richards, National Marine Fisheries Service, Miami; has been elected District Director of the Florida District. He succeeds Dr. Edwin S. Iversen who was the first Director of the District on its formation in 1970.

COMPILATION OF SALMONID LITERATURE

The Pacific Marine Fisheries Commission announced that a 42,480-page subject-analysed compilation of scientific articles on salmon, trout and char published 1960 through 1964 was prepared by the Fisheries Research Institute, University of Washington, sponsored by the PMFC and the Pacific Salmon Interagency Council and funded by agreement with the National Marine Fisheries Service.

A 190-page Instruction and Index (Com-73-10350, A Guide to the Salmonid Literature Compilation, 1960-1964 paper copy \$3.00 or microfiche 95c or, the Compilation, Instruction and Index (Com-73-10351 Salmonid Literature Compilation, 1960-1964, microfiche set \$125.00, 42,480 p. can be obtained from U. S. Department of Commerce, National Technical Information Service, Springfield, VA 22151.

FRESHWATER FISHES OF CANADA

by W. B. Scott and E. J. Crossman, a Member of the AIFRB since 1965, along the volumes on Canadian and Atlantic fishes will be a basic trilogy on the fishes of Canada for years to come.

It includes tested keys, 500 illustrations, glossary and distributions, Canadian and world. 980 pp. cloth \$9.75. Fish. Res. Bd. Can. (Information, Can. Ottawa, Can. KIA 0S9).

PARTICIPATION

Richard B. Stone of Beaufort, North Carolina, a recently elected Member of the Institute is active in planning an International Conference on Artificial Reefs to be held in Houston, Texas, March 20-22, 1974.

ACHIEVEMENT

Of the Founding Members and Honourary Incorporators of the Institute still active in the profession, Donald L. McKernan, Fellow, is retiring as Ambassador in Fisheries and Special Assistant to the United States Secretary of State. He will return to Seattle to become the first Director of the Institute of Marine Studies, University of Washington.

NOMINEES

This copy of BRIEFS is being sent to those who have not yet responded to their nomination by their colleagues or have not yet responded to their election by the Board of Control.

REQUEST

In the addressed envelope please return:

1. Any unpaid Dues
2. Nomination of new members
3. Address corrections (3-line if feasible)
4. Name corrections (doctorate, etc.)
5. Suggestion on Bylaw changes or Reorganization

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