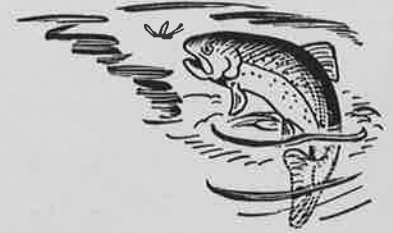




*American Fisheries Society*

OREGON CHAPTER

Oregon Wildlife Commission  
P.O. Box 3503  
Portland, OR 97208  
April 4, 1975



Mr. Wm. A. Pearce, President  
New York Chapter, AFS  
P.O. Box 316  
Cape Vincent, NY 13618

Dear Mr. Pearce:

The enclosed resolution was passed by the Oregon Chapter of the American Fisheries Society at the annual meeting held January 29 through 31, 1975 at Salishan, Oregon.

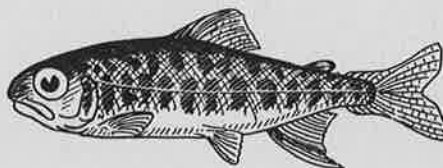
Sincerely yours,

W.O. Saltzman

W. O. Saltzman, President  
Oregon Chapter  
American Fisheries Society

WOS : kb

enc.



Resolution No. 4

The Need for Improved Opportunity to Vote on  
All Significant American Fisheries Society Business

WHEREAS, active membership in American Fisheries Society is open to anyone who is both interested in its purposes and able to pay a significant fee for annual dues; and

WHEREAS, the business and policy decisions of the Society are conducted at an annual meeting with low attendance caused by limitations on time, travel and funds; and

WHEREAS, a quorum for conduct of all American Fisheries Society business at the annual meeting consists of only 50 members; and

WHEREAS, American Fisheries Society business has been hampered at times by failures to maintain a quorum or obtain broadly based support of the membership; and

WHEREAS, the financial and, therefore, the functional status of this respected and needed professional society is not firm and needs the assistance and rapport of its members;

NOW, THEREFORE, BE IT RESOLVED that the Oregon Chapter of the American Fisheries Society requests the American Fisheries Society parent organization to undertake a constitutional convention during its 1975 meeting for the purpose of reforming and improving the status of membership representation and participation in the decision-making process; and

BE IT FURTHER RESOLVED that the body assigned the above task consider and report at the 1976 American Fisheries Society annual meeting their finding on the use of mail ballots, initiative petitions, and delegates elected to a broadly based business meeting; and

BE IT FURTHER RESOLVED that this resolution be forwarded to all members of the Executive Committee of the American Fisheries Society and Western Division and to all presidents of American Fisheries Society chapters and sections.

**Tentative Joint Meeting Schedule**  
**Spring, 1975 Hotel Syracuse, Syracuse, N. Y.**

Wednesday, February 5, 1975

Late P.M. and evening - registration

Thursday, February 6, 1975

Registration

Separate Annual Meetings

Separate Technical Sessions

Joint Social Sessions

Friday, February 7, 1975

Joint Theme - Environmental Aspects in Land Use - Preservation versus development

9:00 - Opening Remarks

9:15 - Panel Presentation - Cecil Heacox (Moderator)

Fish

Wildlife

Soil Conservation

Forestry

Planning

10:15 - Coffee Break

10:45 - Discussion Period

11:45 - Lunch at Hotel Syracuse

1:15 - Panel Presentation - Bob Morris (Moderator)

Public Utility

Dept. of Transportation

U.S. Corps of Engineers - Col. Bernard Hughes

Home Builders Assoc. of N.Y. - Robert Wieboldt

2:30 - Discussion Period

3:15 - Coffee Break

3:45 - Study Commission Presentation - A. G. Hall (Moderator)

Tug Hill - B. Coe

Eastern Ontario-St. Lawrence - Tyson

4:25 - Discussion Period

4:45 - Summary

5:00 - Closing

September 19, 1974


Richard A. Wade, Executive Director  
American Fisheries Society  
Fourth Floor Suite  
1319 - 18th Street, N. W.  
Washington, D. C. 20036

Dear Dick:

Bill Pearce, President of our New York Chapter, requested me to furnish the parent society with a list of our New York Chapter officers. They are as follows:

President	William A. Pearce P.O. Box 316 Cape Vincent, New York 13618
Vice President	Robert Werner SUNY College Env. Science & Forestry Syracuse, New York 13210
Secretary-Treasurer	A. C. Petty 5 Miller Drive Homer, New York 13077
Executive Committee	President - as noted above Vice President - as noted above Secretary-Treasurer - as noted above
Program Chairman	William F. Shepherd Haskell Parkway Olean, New York 14760
Immediate Past President	Martin Pfeiffer Box 141 (Moose Pond Road) Bloomingdale, New York 12913

Very truly yours,

  
A. C. Petty  
Secretary-Treasurer  
New York Chapter  
American Fisheries Society

cc: Wm Pearce ✓

P.O. Box 1169  
Cortland, New York 13045

December 11, 1974

Dr. Robert Werner  
State University of New York  
College of Environmental Science & Forestry  
Syracuse, New York 13210

Dear Bob:

Please find enclosed bill in the amount of \$45.00 for tie tac especially made up for Rod Serling. In view of the fact that this has to do with the film I thought it would be appropriate to cover it with funds derived from the sale of the film.

It would be appreciated if you could give me your bank balance as of February 1, 1975, so that I can include this information in the treasurer's report on February 6. A brief breakdown of income and expenditures along with the balance will suffice. Since we usually have an auditor look at it, copies of the return checks and bank statements should be included.

Very truly yours,



A. C. Petty  
Secretary-Treasurer  
New York Chapter  
American Fisheries Society

mvd

Enc..

cc: W. Pearce ✓

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
Fish and Wildlife Office  
PO Box 1169  
Cortland, New York 13045  
(607) 753-3095

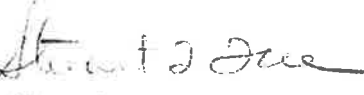
*This will confirm your participation in the Joint Meeting on Environmental Aspects in Land Use at Hotel Syracuse, Syracuse, New York on Friday, February 7, 1975.*

*An agenda for the meeting and a brief summary of what the panel participants are being asked to cover are attached. Hopefully, specific examples will be used by each participant to better enable the audience to understand and relate to the presentations.*

*The broad natural resources base should provide for some lively and valuable discussion in addition to some challenging questions to the participants. More information will be sent to you at a later date regarding room reservations and final arrangements.*

*Thank you very much for accepting to participate in this joint meeting to discuss environmental aspects in land use.*

*Sincerely,*



*Stuart L. Free*

nh

11/6/74

Panel members are being asked to present their views on the joint meeting theme as follows:

Morning Panel

1. Type of land and water requiring special protection and/or management with appropriate justifications.
2. Conflicts and dangers to these lands and waters with specific examples.
3. How much development or degree of conflict is acceptable?

Early Afternoon Panel

1. Present and foreseeable future needs with appropriate justifications.
2. Suggestions as to how or if these needs can be made compatible with the first panelists needs for protection and management.

Study Commission Panel

1. Extent of existing and potential conflicts to lands in their respective areas.
2. Suggestions for resolving these conflicts.

*Environmental Aspects in Land Use -  
Preservation vs. Development*

*Joint Meeting on environmental conflicts sponsored by New York  
State Chapters of Wildlife Society, American Fisheries Society, Soil  
Conservation Society of America, American Institute of Planners and  
Society of American Foresters.*

*Place: Hotel Syracuse, Syracuse, New York*

*Time and Date: 9 a.m., February 7, 1975*

*Agenda:*

*9:00-Opening Remarks - Prof. Robert Reis  
Faculty of Law and Jurisprudence  
John Lord Obrian Hall  
SUNYAB  
Amherst, New York*

*9:15-Panel Presentation - Cecil Heacox, Moderator*

*Fish  
Wildlife  
Soil Conservation  
Forestry  
Planning*

*10:15-Coffee Break*

*10:45-Discussion Period - Cecil Heacox*

*11:45-Lunch at Hotel Syracuse*

*1:15-Panel Presentation - Robert Morris, Moderator  
Executive Director  
Central New York Regional  
Planning and Development Board  
321 East Water Street  
Syracuse, New York*

*Public Utility - Dr. Kenneth Marcellus  
Consolidated Edison  
4 Irving Place  
New York City, New York*

*Dept. of Transportation - John Taylor  
Director of Environmental Analysis  
Dept. of Transportation  
Albany, New York*



U.S. Corps of Engineers - Colonel Bernard Hughes  
Buffalo District  
1776 Niagara Street  
Buffalo, New York

Home Builders Assoc. of New York - Robert Wieboldt  
1 Columbia Place  
Albany, New York

2:30-Discussion Period - Robert Morris

3:15-Coffee Break

3:45-Temporary Study Commission - A. G. Hall, Moderator  
Director, Temporary State  
Commission to Study the Catskills  
Stanford, New York

Tug Hill Commission - Ben Cos, Director  
Watertown, New York

St. Lawrence-Eastern Ontario Commission - William Tyson, Director  
Watertown, New York

4:45-Summary - Robert Reis

5:00-Closing



## NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY

### N E W S L E T T E R

JANUARY 1975

MEMBERSHIP: As of January 1, 1975, the Chapter has a paid-up membership of 89. This is an increase of 15 members over last year.

29.6  
3/89  
ANNUAL MEETING: The Annual Business Meeting of the Chapter will be held on the afternoon of February 6, 1975, at the Hotel Syracuse, Syracuse, New York. A major feature of this meeting will be an in-depth discussion of the future of our Chapter. Subjects such as: where are we headed?, what projects can and should we sponsor? should we be a lobby type organization?, should we continue the joint meeting format?, should we sponsor workshops?, how can we recruit new members?, etc. will be discussed and hopefully resolved.

JOINT MEETING: On February 7, 1975, the joint meeting with the New York Chapter of the Wildlife Society, Empire Chapter of the Soil Conservation Society of America, New York Upstate Chapter of the American Institute of Planners and Society of American Foresters will be held at the Hotel Syracuse.

INTERNATIONAL JOINT MEETING: The Chapter is involved with planning an international joint meeting for the fall of 1975 to be held in Toronto, Ontario in conjunction with the Wildlife Society, Society of American Foresters, Soil Conservation Society, etc., along with similar Canadian organizations.

THE AQUATIC ECOLOGIST: The Chapter's film, The Aquatic Ecologist, was entered in the American Film Festival in the annual non-theatrical national competition sponsored by the Educational Film Library Association. The Aquatic Ecologist shared top honors with three other films. There was no first place award as such.

The film was also accepted for entry into the other major film festival, the CINE Film Festival.

The Aquatic Ecologist has also been selected by the United States Information Agency (USIA) for use in their Science Reports. A short has been made for part of the film and translated into 22 languages, sent to 84 countries, and aired on 535 television stations around the world. A second short is being developed by USIA for similar distribution.

Rod Serling, narrator of the film, was sent a special gold tie-tac of a leaping salmon from the Chapter as a small recognition of his tremendous contribution.

To date, sale of the film to various State Conservation Departments, Federal Fish and Wildlife Agencies, and Universities, has resulted in a profit of some \$1500.00 to the Chapter.

Those interested in obtaining a copy of The Aquatic Ecologist should contact Dr. Robert Werner, Box 86 Colvin Station, Syracuse, New York 13205.

EXECUTIVE COMMITTEE: This committee, which is comprised of the Chapter President, Vice President, Secretary-Treasurer and immediate past president has met several times during the past year and has also met jointly with the Program Planning Committee.

CALL FOR RESOLUTIONS: Chapter members wanting to have resolutions presented for discussion at the Annual Business Meeting in Syracuse are requested to submit resolutions in rough draft form to Committee Chairman, Paul Neth, D.E.C., 50 Wolf Road, Albany, New York by January 24, 1975. Neth's committee will prepare resolutions in final form for consideration at the meeting.

NY SECTION SAF WINTER MEETING

FEBRUARY 5 - 7, 1975

HOTEL SYRACUSE, SYRACUSE, NY

THE NEW YORK SECTION SAF EDUCATION COMMITTEE ANNOUNCES . . . .

A SPECIAL SEMINAR - - - -

"THE ENVIRONMENTAL IMPACT STATEMENT"

by Dr. Peter Black, Associate Professor

COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY

A professional approach to the preparation of an environmental impact statement.

What criteria do you look for?

What are your objectives?

What facts are needed?

How can material be presented most effectively?

Is there a "best" format?

WEDNESDAY, FEBRUARY 5, 1975

3:00 to 4:30 p.m.

Parlors A, B, C 10th floor

HOTEL SYRACUSE

Come and find out "How to do it"!!!!



## NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY

### 1974 Officers

Pres: Bill Pearce  
Vice Pres: Bob Werner  
Sec.-Treas: Arch Petty

January 13, 1975

To: New York Chapter Members

From: Secretary-Treasurer

Re: February Chapter Meeting

Enclosed is a News Letter, Brochure on Joint Meeting and other material.

Although some societies will be arriving Wednesday nite (2/5), the first official gathering of the Fisheries Chapter will be at 1:00 p.m. Thursday (2/6). This will be the Annual Business Meeting.

It should be pointed out that at this time Hotel Syracuse is not charging for meeting room space but is expecting members to room there and eat at least three meals at the hotel. These meals are Thursday noon and night and Friday noon. Tickets will be sold at the registration desk. The registration fee covers coffee breaks. Each Society participating may be later assessed a fee if hotel occupancy by attendees is low. Spouses are invited although no ladies' program is planned:

The Thursday activities should go something like this:

1:00 Annual Chapter Business Meeting

7:00 Buffet

8:00 Kodak Multi-Media Program

8:30 Beer Blast (at no cost)

(Hopefully there will be time for a showing of the Aquatic Ecologist if there is interest in it.)

### Business Meeting

1:00 Call to order

1:05 President's greeting

1:20 Report on Aquatic Ecologist film sales - R. Werner

1:30 Discussion on future of film project

1:55 Committee Reports

2:15 Open discussion on future of Chapter Meetings - joint or separate.  
Meeting location.

Possible additional meetings.

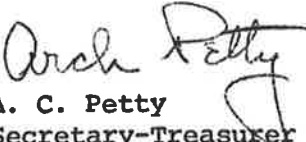
Possible dues increase.

Possible hiring of executive director.

Should membership be increased.

A special or technical session has not been scheduled this year to allow more time for a candid discussion of where the members feel the Chapter should be going and what we should be doing.

Some members may want to express an opinion but cannot be present. For this purpose a tear sheet below may be used. Even if you plan to attend perhaps you may want to complete it and leave with the Secretary at the beginning of the meeting. We need and want your ideas whether you choose to send them in, bring them with you or present them orally at the meeting.

  
A. C. Petty  
Secretary-Treasurer  
New York Chapter  
American Fisheries Society

mvd  
Enc.

----- Tear along this line -----

Send to: A. C. Petty, Secretary-Treasurer  
Box 1169, Cortland, New York 13045

We should continue to meet at least once a year as provided in the By-Laws.  
Yes \_\_\_\_\_ No \_\_\_\_\_ No Comment \_\_\_\_\_.

We should meet more often. Yes \_\_\_\_\_ No \_\_\_\_\_ No Comment \_\_\_\_\_.  
(Obviously, if "yes", suggestions are needed as to number of meetings and meeting content.)

We should have a formal program on some phase of fisheries aside from any joint meeting that may be planned. Yes \_\_\_\_\_ No \_\_\_\_\_ No Comment \_\_\_\_\_.  
(Again, if "yes", program suggestions are needed.)

We should continue joint meetings with formal presentations. Yes \_\_\_\_\_  
No \_\_\_\_\_ No Comment \_\_\_\_\_.

Should we plan to increase our membership. Yes \_\_\_\_\_ No \_\_\_\_\_ No Comment \_\_\_\_\_.  
(Again if "yes", the next question is how?)

Should we meet alone (Fisheries Chapter). Yes \_\_\_\_\_ No \_\_\_\_\_ No Comment \_\_\_\_\_.  
No \_\_\_\_\_

Should we meet in conjunction with the Wildlife Chapter. Yes \_\_\_\_\_ No \_\_\_\_\_  
No Comment \_\_\_\_\_.

If you have answered "No" to each of the above, to what would you answer "Yes"? Use space below or reverse side.

\_\_\_\_\_  
Name (Optional)

Summary of Planning Meeting  
for  
Fall, 1975  
Joint Meeting of the Societies  
(SCSA, AIP, TWS, AFS, SAF)

The Planning Meeting was held at 11 a.m., September 21, 1974, at Monroe County Farm and Home Center, Rochester, N.Y. Ted Fedak chaired the meeting with Brad Griffin serving as recorder. See attached list of attendees. (AFS and SAF not represented by designated members at this meeting.)

The following items were resolved in agenda order.

LOCATION - Toronto

DATES - October 3 and 4, 1974. To begin at 12 noon, Friday and end 4 p.m. Saturday.

THEME - Resource  
"Resolve Problems and Opportunities in the Lower Great Lakes"

COMMITTEES -Ivan Lorant will set up a Local Arrangements Committee; (Four people, not more than two of whom shall be from the same organization.)

Arthur LoForneil will contact the Canadian representatives of five organizations. (B. Griffin will forward additional information on Canadian Fish & Wildlife representatives to Art.)

A Steering Committee will be formed by four members as follows: Temporary Chairman, Ted Fedak, and a Canadian SCSA member to be named plus the chairmen of the Local Arrangements Committee, and the Program Committee.

The Steering Committee will direct and coordinate Local Arrangements and Program Committee. If there is a need for a separate Publicity Committee, the members thereof will be appointed by the Steering Committee.

Ted Fedak will call a meeting of the Program Committee within a month. Initially, Ted will ask each of the Chapters to designate representatives to the Committee.

The general charge to the Program Committee will include the following items:

The meeting format will utilize keynote speakers followed by panels or other appropriate presentations.

Where panels are utilized, they shall be interdisciplinary in composition even if all disciplines cannot be represented on each topic.

There shall be no concurrent conference sessions.

The selection of conference topics shall take an interdisciplinary approach exploring various aspects of water, land, vegetation, fish and wildlife. Opportunity shall be made for dialogue involving both Canadian and U.S. positions.

(This Summary will be sent to attendees and distribution below, who are requested to bring it to the attention of their organizations.)

TWS - C. W. Severinghaus-Pres., NYS Chapter, The Wildlife Society  
Frank C. Edminster, Reynoldsville Road, RD 1, Trumansburg,  
N.Y., 14886.

AFS - William A. Pearce, Pres. NYS Chapter, Am. Fisheries Society  
Cape Vincent Fisheries Sta., PO Box 292,  
Cape Vincent, N.Y., 13618.

SAF - Donald Peterson-Pres. NYS Chapter, Society of American Foresters.  
Adirondack Forestry Inc., Wilmington, N.Y.



<u>NAME</u>	<u>ADDRESS</u>	<u>REPRESENTING</u>
Ted Fedak	8967 Lovers Lane Road Corfu, New York 14036 Home - 716-599-3533 Office - 716-343-3664	Empire State Chapter Soil Cons. Soc. of America
Arthur LaFornell	Room 5501 Whitney Bldg., Queens Park 99 Wallerley St. West Toronto (416) 965-6287	Ontario SCSA
Ivan Lorant	M.M. Dillon LTD 50 Holly Street Toronto, Ontario Canada Office - 416-482-5656 Home - 416-449-8875	Ontario SCSA
Allen R. Lewis	SUNY College of Environmental Science Syracuse, N.Y. 13210 Office - 315-473-8741 Home - 315-474-8877	AIP
Dwight E. Turner	Gen. Finger Lakes Reg. Planning Board Rochester, N.Y. 14614 Office - 232-1060 Home - 377-5750	AIP
Bradford A. Higgins	Soil Conservation Service 249 Highland Avenue Rochester, N.Y. 14620 Office - 716-473-2120 1532 Jackson Road Penfield, N.Y. 14526 Home - 872-1399	Empire State Chapter SCSA
*Brad Griffin	NYS Dept. of Envir. Cons. P. O. Box 1169 Fisher Avenue Cortland, N.Y. 13045 607-753-3095	NYS Chapter The Wildlife Society

\*(Filling in for Frank C. Edminster)



February 13, 1975

Mr. William Pearce  
Box 316  
Cape Vincent, New York 13618

Dear Bill:

Enclosed you will find the Indiana's Program outline used at their Spring AFS meeting. Also enclosed you will find short abstracts of technical papers or reports presented at that time. A quick glance at the time allotments per speaker was followed closely. Such organization on the speakers part is enjoyed by all listeners and other speakers. A breakdown of the time was 12 minutes per talk and 3 minutes for questions and answers, or 15 minutes/talk and 5 minutes for questions during 20 minute sessions.

If Bill Ewell or I can be of service to the N.Y. AFS please contact us at our company address.

Also if we could have a list of all current members and their affiliation it would be appreciated. If we hear of other industrial groups interested in membership with the N.Y. Chapter of AFS, we will send their names and addresses to Arch Petty.

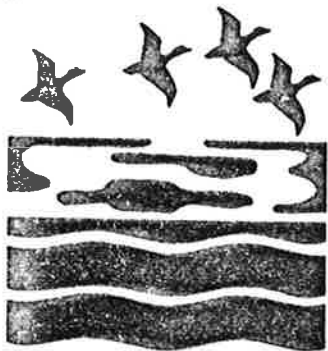
Sincerely,

A handwritten signature in cursive script that reads 'Joseph W. Gorsuch'. The signature is written in dark ink and is positioned below the word 'Sincerely,'.

Joseph W. Gorsuch  
Toxicology Section, B-306  
Health and Safety Laboratory

JWG:bdo

Enc.-2



## ST. LAWRENCE-EASTERN ONTARIO COMMISSION

317 WASHINGTON ST., WATERTOWN, N. Y. 13601

PHONE (315) 782-0100

EXTENSION 263-4

JOSEPH A. ROMOLA, Chairman

WILLIAM E. TYSON, Executive Secretary

February 4, 1975

Mr. Wilfred J. Mein  
Mayor, Cape Vincent  
Gouvello Street  
Cape Vincent, NY 13618

Dear Mr. Mein:

The St. Lawrence-Eastern Ontario Commission needs your help.

Due to a tight state budget situation, the Governor has recommended that the Commission, along with a number of other state agencies, be abolished.

For some time now, the North Country of New York State--an area desperately in need of technical assistance to expand the economy and protect its natural resource base--has had the services of the Commission.

While the legislation creating the Commission was first passed by the N.Y.S. Legislature in 1969, it was not until 1974 that fiscal resources commensurate with its duties and responsibilities were made available.

The staff of the Commission includes experts normally associated with the planning process, but more importantly, staff members who will be reviewing the current status of the economy and exploring ways in which to expand the industrial, recreational, agricultural and commercial base of the region.

Currently, the Commission has the responsibility of investigating the high water levels on Lake Ontario and making recommendations regarding actions necessary to minimize damage to the property of riparian owners as well as the natural resource base. The natural resource base in this case is of extreme importance, since much of the economy of our region is based on the tourist drawing power associated with our fine outdoor recreation areas.

During the past year, with the availability of additional staff resources, the Commission developed a very strong working relationship with local governments along the waterway who themselves realize the need for planning and orderly growth to sustain the productivity of

49

Mr. Wilfred J. Mein  
Page Two  
February 4, 1975

their resources. Inquiries for technical assistance have grown appreciably during the 1974 calendar year and in every case the Commission has provided expertise which will assist communities in solving problems.


We need your help if the Commission is to sustain during the tight fiscal situation in Albany. We believe that the return on the dollars invested in the Commission will be great for the North Country; and given the time and the resources, the Commission will be able to produce a plan which will provide protection of the area's natural resources and will serve as a guide to future economic opportunity within the region.

The program of the Commission is conducted in full partnership with local governments and with the citizens of the region. Currently, ten advisory groups made up of residents nominated by local governments are being established to assist the Commission in its decision making concerning the long-term use of the area's resources.

If your organization believes in the mission, goals and objectives of our Commission, please contact Governor Carey and your locally elected officials in Albany by letter or resolution expressing your support for our agency.

On behalf of the Commission, I would like to thank you for your kind consideration of our request.

Sincerely,

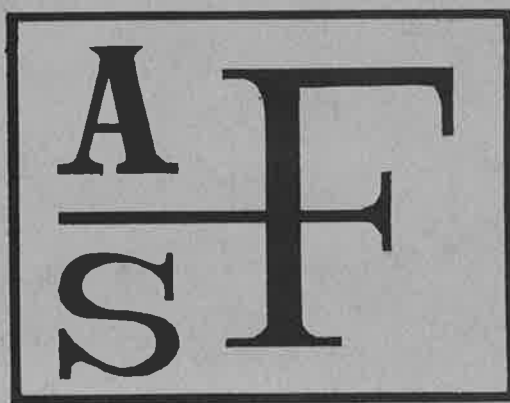
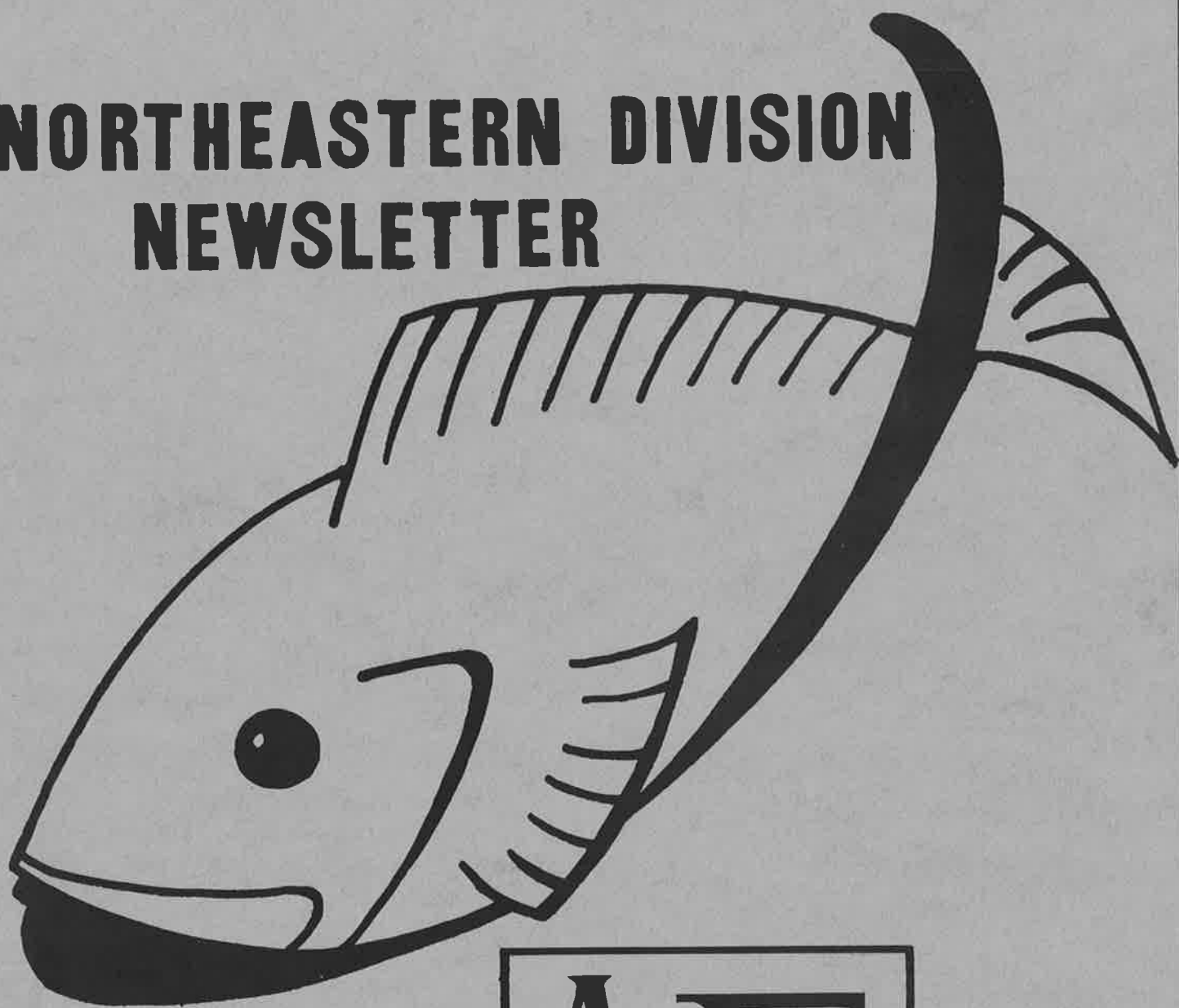


Joseph A. Romola  
Chairman

JAR:ab

cc ✓ Mr. William Pearce

# **NORTHEASTERN DIVISION NEWSLETTER**



**- 1975 -**

## PRESIDENT'S MESSAGE

In part, this 8th Annual Newsletter attests to the ever increasing viability of the Northeastern Division. Special credit should be extended to Dr. Roger Reed, Chairman of the Editorial Committee and Newsletter Editor who continues to provide special service to the Division in compiling this annual newsletter.

The strength of the Division is growing. The past year was of significance with the formation of the Atlantic International Chapter encompassing northern New England states and the eastern provinces of Canada. This brings the number of active chapters within the Division to five and increases communication channels for fisheries workers such as are being provided by the Southern New England, Central Pennsylvania and the two New York Chapters.

Financially, the Division is sound with slightly over \$9,000 in the treasury. In addition, it is estimated that some \$1600 will be transferred to the Division by the parent society in accordance with the annual dues structure change to rebate 10% of members' dues to their respective divisions. In view of this and to maintain Division momentum, I have appointed an Ad Hoc Special Projects Committee with Dwight Webster as Chairman. This committee will determine the feasibility of conducting a symposium or workshop on a significant fisheries problem of interest on a regional, national or international level.

All Divisions have gained strength in increased representation on the parent society Executive Committee. This was expanded to include the immediate Past Presidents of each Division for the purpose of improving continuity and effectiveness of divisional representation. This expansion of the Executive Committee now results in a majority of members being divisional representatives.

Previews of the program for this year's meeting indicate another stimulating session. Pennsylvania, as our host state, is going all out to make your stay in Hershey most rewarding.

See you there.

Colton H. Bridges  
President, 1975-76

U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
National Marine Fisheries Service  
Middle Atlantic Coastal Fisheries Center, Milford Laboratory  
Milford, Connecticut 06460

Most of the work with heavy metals this year has been with marine animals exposed to sublethal levels of cadmium, mercury, or silver for 30, 60, or 90 days (A. CALABRESE). Lobsters, Homarus americanus, and winter flounder, Pseudopleuronectes americanus, were the animals most extensively examined for physiological (F. THURBERG), biochemical (E. GOULD), and histopathological (R. MURCHELANO) effects. Larval and juvenile stages of molluscs, crustaceans, and finfish were also studied (A. Calabrese, F. Thurberg). The year culminated in a symposium, "Pollution and Physiology of Marine Organisms," sponsored here jointly by the Milford Laboratory, Middle Atlantic Coastal Fisheries Center, and the Belle Baruch Institute for Marine Biology and Coastal Research, U. South Carolina. Proceedings will be published by Academic Press in 1976.

Atlantic mackerel eggs sampled from the neuston in the heavily polluted New York Bight are being studied cytogenetically. Incidences of chromosome abnormalities and mitotic disturbances appear to be higher about dump sites than toward the Bight periphery (A. LONGWELL).

An extensive collection of pure strains of unicellular marine algae continues to be maintained, as well as work on the nutritional requirements of molluscs (R. UKELES). Selenium and selenium antagonists are being used in a study of pollutant effects on marine microalgae. Besides performing basic research in these and related areas, this unit provides algal food mixtures necessary to maintain marine animals during spawning, rearing, and exposure experiments.

Research continues on methods for the spawning and rearing of molluscs (W. LANDERS). Emphasis this year has been on the bay scallop, Argopecten irradians (E. RHODES), and the surf clam, Spisula solidissima (R. GOLDBERG). Both species have been reared to maturity on an experimental scale. The goal is to work out economically feasible methods for similar results on a commercial scale. Ed Rhodes also cultures lobsters to juvenile stages for use by the Physiological Stress team (see above).

Also in progress is the study of immune response in marine fish affected by disease or environmental stress (R. ROBOHM), and work has begun on the diseases of larval molluscs (W. BLOGOSLAWSKI).

Our analytical chemistry section supports our research groups by performing metals analyses of animal tissues and the experimental seawaters, before and after addition of metals. It performs similar analytical services for other investigations within the Middle Atlantic Coastal Fisheries Center (R. GREIG).

\*\*\*\*\*

Decision is a sharp knife that cuts clean and straight; indecision a dull one that hacks and tears and leaves ragged edges behind it.

\*\*\*\*\*

PAUL JOHNSON has returned from a one-year leave of absence at the University of Maine to his duties as Assistant Regional Biologist of the Moosehead Lake Region. He has completed his class work for an MS and is now working on his thesis of an economic study of the landlocked Atlantic salmon fishery in the West Branch of the Penobscot River.

Phil Andrews, FORREST BONNEY and Paul Johnson attended the organizational meeting of the Atlantic International Chapter of the American Fisheries Society in St. Andrews, New Brunswick in November. Phil presented a paper entitled, "Some Aspects of Brook Trout Management in the Northeast" at that meeting.

The Sebago Lake regional office has been moved from the old headquarters in Gorham to new facilities on U.S. Rte 1 in Scarborough. Construction of a pair of influent water filters at the Cobb Fish Hatchery in Enfield is scheduled for completion by June 1, 1976. The two revolving drum filters are designed to handle 5000 gallons per minute through a 10 micron mesh. The filters are being installed primarily to remove planktonic copepods--intermediate hosts of the tapeworm Diphyllbothrium sebago, the plerocercoids of which have caused significant losses in yearling salmonids reared at the Enfield facility. A similar filter is already in operation at the Grand Lake Stream Fish Hatchery in eastern Maine.

A 3-year study segment designed to evaluate mortality of age I+ hatchery-reared landlocked salmon caused by hooking with four types of terminal gear was completed by KENDALL WARNER in fall, 1974. There was an overall mortality of only 3.3% for 1,200 salmon caught by angling, and a mortality of only 0.3% for control fish (seined). Of the total mortality of angled fish, 43% occurred within 4 days. Mortality of worm-hooked fish (5.7%) was highest of the four gears tested. Mortality of both worm-hooked and fly-hooked fish was significantly greater than that of fish caught on hardware lures. There was no significant difference in mortality between worm-hooked and fly-hooked salmon. The relatively light mortality of salmon may have been influenced to a considerable extent by time of year (fall) and related declining water temperatures, accompanied by decreasing metabolic rate and activity of salmon.

UNIVERSITY OF MAINE AT ORONO  
MAINE COOPERATIVE FISHERY RESEARCH UNIT

JON G. STANLEY transferred from the USFWS Fish Farming Experiment Station in Stuttgart, Arkansas to become Assistant Unit Leader in July. His research efforts will be primarily in the areas of reproductive physiology and smoltification of salmon.

GEORGE MCCABE has joined the Unit as a Research Associate in charge of an intensive survey of fish populations in the St. Croix River between Vanceboro and Woodland, Maine. Graduate student SCOTT WILSON is completing his thesis in absentia while continuing toward a Ph.D. at Dalhousie University and ROBERT OTTO is with the MARMAP program of NMFS in Washington, D.C.

A dry summer in Maine in 1975 provided interesting contrasts with previous years in two environmental monitoring and evaluation projects. Although surface temperatures frequently exceeded 25 C in the Penobscot Estuary, dissolved oxygen concentrations in surface waters never dropped below the danger point and Atlantic



## Studies in Residence

- FRIED, STEPHEN. Ph.D. Downestuary migration of Atlantic salmon smolts in relation to environmental factors.
- GATELY, GLENN. M.S. Food habits of landlocked alewives and landlocked smelt and their status as forage fishes and competitors.
- DUBE, NORMAN. M.S. The influence of thyroxine and prolactin on salinity preference in Atlantic salmon.
- RUSSELL, GORDON. Ph.D. Ecology of newly established stream populations of brown trout.
- KUSALA, GREGORY. M.S. Hormonal control of parturition in the guppy.
- MEARS, HAROLD. M.S. Effects of fin excision on survival of fingerling brook trout.
- CRAWFORD, RICHARD. Ph.D. Digestion rates and energetic efficiency in Nototheniid fishes.
- TOMPKINS, LINDA. M.S. Systematics of Antarctic Liparidae.
- EAKIN, RICHARD. Ph.D. A revision of the genera of the antarctic fish family Harpagiferidae.
- TARGETT, TIMOTHY. Ph.D. Food resource subdivision in sub-Antarctic benthic fishes.

## MASSACHUSETTS

### DIVISION OF FISHERIES AND WILDLIFE

Great progress was made with the Connecticut River anadromous fish restoration program. The Holyoke Waterpower Company completed step one of their fishway modifications. These modifications included operation of the fish flume and exit channel as well as increased hopper capacity and faster elevator hoist. The company passed 114,132 adult shad, a substantial increase over the previous record of 65,751 established in 1970. The first live adult Atlantic salmon was captured at the Holyoke fishlift on June 23. This ten-pound male was shipped to the Berkshire National Fish Hatchery where it was to be spawned with four or five female salmon from Penobscot River, Maine. Unfortunately on September 30, it slipped through the netting which covered its holding pool and died. Two other salmon were taken from the Connecticut River. One was caught by a commercial shad fisherman in Connecticut and the other was found dead along the bank of the Connecticut River in Agawam.

Hearings before the F.P.C. (Federal Power Commission) relative to the delay in fishway construction at the Turners Falls complex began on October 28. A final settlement was reached by mid-November. This agreement establishes 1981 and 1984 as the effective operation dates for the Cabot Station and spillway fishways, respectively.

Director JAMES SHEPARD left the Division of Fisheries and Wildlife after a long and distinguished career. He has accepted a position with Ducks Unlimited and now resides in Pennsylvania. Former Deputy Director COLTON "ROCKY" BRIDGES was appointed Director and ARTHUR NETILL, former State Ornithologist, was appointed Superintendent of the Bureau of Fisheries and Wildlife Research in September.

### MASSACHUSETTS DIVISION OF MARINE FISHERIES

The Division completed work on the estuarine research program with the publication of marine resource studies on Bass River and Plymouth-Kingston-Duxbury Bay. Field work was also completed on the marine sportfishing study, which involved a year-long random sampling of 620 marine sportfishing sites in Massachusetts.

STEVEN SHAPIRO (Mass. Div. of F&W) and PETER HUGHES (looking). Susan is the first woman M.S. out of the program. About 5 to 7 other students should make it by June 1976. If this happens this will be the largest class yet.

#### MASSACHUSETTS COOPERATIVE FISHERY RESEARCH UNIT

In March 1975 JAMES PARRISH finally came on board as the Assistant Unit Leader replacing ROGER REED who had moved into the Unit Leader's slot in 1973. Parrish came from the Puerto Rico Nuclear Center of the University of Puerto Rico and ERDA where he had been involved in trophic studies of coastal fishes and environmental studies of coastal sites for power development. He is a graduate in oceanography of the University of Rhode Island and has done theoretical modeling of species interactions. Previous work included field and research laboratory work in engineering with the General Electric Company. He is involved in present Unit research programs in marine fisheries, serves on the Interagency Scientific Advisory Committee on Ocean Dredging and Spoiling, and is developing research in trophics of coastal fishes.

Roger J. Reed, Unit Leader continued his supervision of graduate students (5), biological aides (50) and one full-time employee JAMES LAYZER conducting research on American shad in the Connecticut River. He completed a one-year study of aquatic insect diversity between channelized and non-channelized sections of the White River in Vermont; observed fallfish spawning for the second time; and made trout population estimates in the Mill and Housatonic Rivers. The unit leader was an expert witness during the Federal Power Commission's public hearing on the Turners Falls fishladder debate and served as co-chairman on the International Joint Commission's Environmental Impact Committee concerned with anticipated water level regulation of Lake Champlain by the Canadian government. Finally, he completed his tenure as President, Southern New England Chapter AFS, is Editor of the Northeastern Division Newsletter and serves as Program Co-chairman with JACK MILLER for the Division's Hershey, PA meeting in April, 1976.

For many good reasons, only Christine Moffitt (Ph.D.) and Richard Larsen (M.S.) were accepted into our program this year.

#### Degrees Granted

BELTZ, JAMES R., M.S., Movement and behavior of adult anadromous alewives in the Parker River, Massachusetts.  
DOMERMUTH, ROBERT B., M.S., Summer foods of larval and juvenile American shad, juvenile blueback herring, and pumpkinseed.  
HUGHES, PETER D., M.S., Effects of trucking and sensory impairment on the behavior of adult American shad, Alosa sapidissima, in the Holyoke Pool, Connecticut River, Massachusetts.  
JINADASA, JAPAHUGE, M.S., without thesis.  
GILMORE, KIRBY S., M.S., Factors affecting spawning behavior and site selection in American shad between Holyoke and Turners Falls, Massachusetts.  
PETERSON, SUSAN J., M.S., Seasonal distribution and abundance of fish eggs and larvae in the Merrimack River estuary, Massachusetts.  
PRATT, FRANK B., M.S., The diet and distribution of limnetic planktivorous fish at Onota Lake, Pittsfield, Massachusetts, with additional comment on the introduction of kokanee.  
SHAPIRO, STEVEN. M.S., Biology of the spottail shiner in the Northeastern United States.

species. Three adult Atlantic salmon (all four-year-old fish, all males, and all measuring about 32 inches and weighing 10 pounds) were recovered from the Connecticut River in 1975. These fish originated from 1973 smolt releases. Only one of the three (taken at the Holyoke Dam fishlift) was able to be kept alive and was transferred to the U.S. Fish and Wildlife Service Berkshire Trout Hatchery in Massachusetts for spawning purposes. Unfortunately, the fish expired before sperm could be taken.

Significant strides toward the construction of passage for American shad and Atlantic salmon at Turners Falls Dam (the next dam above Holyoke Dam) were achieved. A proposed settlement agreement between several private conservation groups, the four basin states, and Western Massachusetts Electric Company has been drawn up, as a result of hearings before the Federal Power Commission. At the present time this proposed settlement agreement is in draft form, is not final, and has not been signed by the concerned parties.

DEPARTMENT OF THE ENVIRONMENT, FISHERIES AND MARINE SERVICE  
RESEARCH AND RESOURCE SERVICE--ST. JOHN'S, NEWFOUNDLAND

Under the reorganization of the Fisheries and Marine Service the Newfoundland Biological Station has become the Research and Resource Service of the Fisheries and Marine Service for the Newfoundland Region. Included in this service are the programs of the Biological Station and also the former Newfoundland Area Resource Development Branch which has now become the Anadromous and Freshwater Program headed by J.H.C. PIPPY.

The director, A.W. MAY, accepted the position of Director General Research and Resource Services of the Fisheries and Marine Service in Ottawa in August and A.M. FLEMING has served as Acting Director since then.

In the Shellfish and Pelagic Program, M.D. EASTON, a graduate of Liverpool University joined the Staff to work on population dynamics of lobsters. W. D. MCKOE from the University of British Columbia and J. CARSCADDEN from McGill University began work with the pelagic fish management section during the winter of 1975.

In the Experimental Ecology program, J.W. KICENIUK, a graduate of the University of British Columbia, and R.K. MISRA, formerly a member of the faculty of the University of Western Ontario, joined the staff--the latter to head a new Statistical and Computer Services Section. In addition, T.F. CROSS of Cork University arrived in April, 1975 as a NRC Post Doctoral fellow to work with the biochemical genetics section.

D.E. WALDRON transferred from the former Resource Development Branch to become Section Head of Groundfish Biostatistics in the Groundfish Management program.

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"I shall pass through this world but once. Any good that I can do, or any kindness that I can show any human being, let me do it now and not defer it. For I shall not pass this way again."

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Jackson Estuarine Laboratory

Resume of Important Projects

- (A) Great Bay Nutrient-Hydrodynamic-Modeling Project: T. LODER, W. BROWN, B. CELIKKOL, A. C. MATHIESON, T. NORALL
  - evaluation of seasonal and spatial input of nutrients throughout the Estuary
  - diel variations of water chemistry, temperature, salinity and density, tidal currents and tidal amplitude
  - coordination of above observations with National Ocean Survey hydrodynamic study
- (B) Hybridization studies of winter flounder: P. SAWYER, F. HORNBECK
- (C) Distribution and Ecology of estuarine macrophytes: A. C. Mathieson
- (D) Aquaculture and ecological studies of the economic red algae Chondrus crispus and Gigartina stellata: A. C. Mathieson, E. TVETER
- (E) Trace metal distribution throughout the tributaries of the estuary: J. NEVINS
- (F) Thermal tolerances of salt marsh protozoa: E. MARTINEZ
- (G) Effects of trace metals on marine microorganisms: G. JONES, L. SPENCER and students
- (H) Shell fish microbiology: T. MEDCALF
- (I) Coastal and estuarine amphipod populations: R. CROKER
- (J) Silt transport in the Estuary: F. ANDERSON

Two new research staff are now working at the Jackson Estuarine Laboratory: T. Norall and L. Spencer. Ten graduate degrees (M.S. and Ph.D) were confirmed during the past year between the Departmental members of the Jackson Estuarine Laboratory.

FISH AND WILDLIFE SERVICE--LACONIA, NEW HAMPSHIRE

Resume of Important Projects

A joint NHF & G, FWS, Atlantic salmon productivity study was initiated in the upper Merrimack River. The first year class was introduced as fry in June. The growth increment by October approached 2.7 cm in length. This long-term study will continue through 1979.

The feasibility of monitoring juvenile anadromous fish with radio telemetry was investigated on the Penobscot River with Atlantic salmon smolts, and on the Connecticut River with juvenile shad. Dependable receiving and transmitting systems were developed, including a commercial tag of 2.5 grams and a tag developed at the station weighing 1.7 grams. Location and movement of the juvenile fish were easily determined from shore or boat positions up to 0.5 Km distant and depths to 45 meters. These radio telemetry systems are effective in fresh water conditions that include 0.5 m of ice cover, turbidity approaching mud, hydroelectric turbulence, and under-water obstructions.

The spruce budworm pesticide applications in northern Maine areas were monitored for the effect on selected fish species. Cholinesterase activities and tissue residues were determined, as well as pesticide levels in water following application. In general, cholinesterase levels were depressed over a two-day period; tissue residues showed little correlation with cholinesterase activity, which was more related to concentration of the pesticide in water; and no contamination of the spray areas with pesticides other than the scheduled compound was detected.

Plan. It is the objective of this planning process to relate land use practices to water quality and identify inputs to natural aquatic systems not previously identified under point source control programs.

New additions to the NAI staff include JAMES BELTZ, fisheries biologist with an M.S. from the University of Massachusetts; GENE BURRESON, marine biologist with a Ph.D. from Oregon State; LINDA BIRELEY, marine microbiologist and Ph.D. candidate at the University of Rhode Island; SIFFORD PEARRE, planktologist with a Ph.D. from Dalhousie University; and MICHAEL GRUBB, wildlife biologist with an M.S. from Virginia Polytechnic Institute. In addition to new personnel, several advancements and promotions were noted in the company. NEIL SAVAGE was awarded the Ph.D. in marine biology from the University of Rhode Island and BENTLEY GREGG was awarded the Ph.D. in limnology from Virginia Polytechnic Institute. CARL FONTNEAU has been named director of field operations at Millstone Point, Connecticut. JOHN NELSON was named director of the Piscataqua Marine Laboratory upon its occupation. All company quality assurance programs have recently been assigned the responsibility of PAUL PELLETIER.

In the spring of 1975, NAI occupied its newly acquired Piscataqua Marine Laboratory on the Piscataqua River in Portsmouth. The new laboratory, under the direction of John Nelson, is the center for both benthic and plankton sample processing and contains a wet laboratory used for rearing and bioassay studies involving marine organisms. The water quality laboratory has increased its efficiency through the addition of a Technicon two-channel autoanalyzer. It is now possible to process larger numbers of samples at a highly competitive cost. Early in 1975, NAI installed an IBM System 3/Model 10 computer to increase in-house data processing capabilities. This new system, combined with the remote job entry capacity to handle high-speed data processing tasks on commercially accessible computer systems has significantly improved the sophistication and efficiency of NAI's Data Processing Department. Commensurate with the computer capabilities, NAI now has a Numonics digitizer for semi-automated processing of strip charts with direct interfacing to the System 3 and has developed a prototype system for in situ digital data logging.

NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Division of Fish, Game & Shellfisheries

Bureau of Fisheries--A. BRUCE PYLE, Chief

Chief Pyle provided the final Bureau comment on the proposed Tocks Island Reservoir. Opposition to it was based upon failure of the Corps of Engineers to adequately provide for and acknowledge acceptance, as part of the cost of the project, of the fisheries management and research needs relating thereto.

Through Chief Pyle's efforts a draft of this Division's Trout Management Policy was prepared. As part of the background for this policy, a document entitled, "New Jersey's Trout Program-1975" which summarized all our current practices and research was prepared. The trout policy covers the entire realm of trout management in the state and places trout stocking for a single season fishery in its proper perspective.

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A man rarely succeeds at anything unless he has fun doing it.

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A ten-year creel census survey of the summer flounder fishery in Great Bay was completed this year. The season mean of 3.76 flounder per angler trip exceeded the values obtained during the previous nine years of the survey. This Federal Aid to Fisheries project was conducted by biologist PAT FESTA.

Under a State-Federal Fisheries Management Program sponsored by the U.S. Dept. of Natural Resources and Environmental Control, a study was initiated on the lobster resources of the state. The study, designed to determine the catch per effort, size composition of the catch, size composition of the landings and size at sexual maturity is being handled by biologist BRUCE HAIGREN.

NEW YORK  
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife

Bureau of Fisheries--CARL PARKER, Chief

JOHN GOULD, Regional Supervisor of Fish and Wildlife, Stamford, has been hospitalized for cancer treatment. John played a major part in organizing the New York Chapter of AFS and has been a long time member of AFS. We and his friends from other states pass on our best wishes and hopes for a speedy recovery.

A Lake Champlain Fish and Wildlife Management Cooperative between Vermont, New York and the U.S. Fish and Wildlife Service was formed in 1974 to coordinate and direct the natural resource program. A Technical Committee appointed by the Coop develops and evaluates management proposals and is currently chaired by DOUG SHEPPARD. BILL PEARCE has been appointed New York's representative to the Environmental Impact Committee of the International Joint Commission's Lake Champlain-Richelieu River Board. This group is developing studies to evaluate the impact of flood control measures, proposed by the Province of Quebec, to regulate water level of Lake Champlain.

Hundreds of fish have been collected by our regional and Cape Vincent Fisheries Station personnel for analyses of PCBs. Analyses for other environmental contaminants are also run on these fishes by the Bureau of Environmental Protection and other cooperating agencies.

Progress is being made on conservation water releases from New York City reservoirs in the Upper Delaware River Basin. Since completion of Cannonsville Reservoir in 1967, some stream sections in the Basin have been subjected to either substantially reduced flows or to highly fluctuating flow volumes. Interagency cooperation has been effective and our fisheries staff including DOUG SHEPPARD, TONY BONAVIDA, BILL KELLY, RUSS FIELDHOUSE and BOB ENGSTROM-HEG have played a major role in providing data required in negotiation.

Fish Propagation Section--ROBERT H. GRIFFITHS, Supervisor

During 1974-75, 704,338 pounds of trout and salmon were reared and stocked in inland waters and the lower Great Lakes (Lake Erie and Lake Ontario); 8,926 pounds of warmwater fish species (muskellunge, norlunge, walleye, smallmouth and largemouth bass) were reared and released to selected inland waters.

years as the anglers become more proficient. Lake trout fishing may be good in 1976, if the fine results indicated by spot-checking in 1975 for the 1973 plantings, particularly in eastern Lake Ontario, are an indicator of what we can expect of the open lake lake trout fishery. It is too early to determine if the present level of lamprey control is adequate to develop a major lake trout fishery at this time.

The 1975 fall spawning run of salmonids is by far the largest on record to date. In addition to the snag fishery, a large number of fishermen have mastered the technique of catching fall-run fish by conventional angling methods. Average size of salmonids continues to increase. In 1975, adult coho averaged approximately 10 pounds, which is 3 pounds heavier than in 1974, 1+ jack chinooks averaged about 6 pounds, three-year old chinooks 13 pounds, 4-5 year old chinooks ranged from 15 to 30+ pounds. Experimentally stocked steelhead are showing up in good numbers and average about the same growth rate as the coho salmon. Initial 1973 experimental plantings of lake trout range from 2-5 pounds.

The Canadian Lamprey Control Unit from Sault Ste. Marie, under the direction of the Great Lakes Fishery Commission (GLFC) treated five New York tributaries to Lake Ontario during the spring of 1975. A major source of ammocetes was located in Little Salmon River and could be a primary supplier of lampreys to Lake Ontario since the initial 1972 treatments in New York waters. It is expected that the Canadian unit will complete treatment of Little Salmon River and also Snake Creek during the fall of 1975. In addition, U.S. Fish and Wildlife Service Lamprey Survey personnel from Marquette, Michigan, under the auspices of the GLFC, started complete ammocete surveys within the Oswego River drainage during the summer and early fall. High water and other factors prevented completion of the survey in 1975.

The benefits of the lamprey control program in Lake Ontario continue to increase, as noted by the increased number of large salmonids in the Lake. However, there is considerable improvement still necessary before the level of control reaches the upper Great Lakes' effectiveness, which will result in larger numbers of big salmon as well as better returns of big brown trout, rainbows, and also lake trout to the angler.

As the salmonid fishery develops, the problem of adequate safety harbors, fishing piers, and general public fishing access to the lake and tributaries becomes more acute. Regional offices are addressing the problem of stream access under the State's Public Fishing Rights program. The development of safety harbors, major fishing piers, and other types of lake access is a more complicated problem. Plans and programs are under way to develop safety harbors and public access at the mouth of Salmon River in Lake Ontario, as well as other vital areas along the Great Lakes waters. Cooperative programming with lake communities and various state and federal agencies such as the Corps of Engineers will be necessary to provide access in the urban areas and will become part of the overall urban fishing program within the State.

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Any Jackass can kick down a barn, but it takes a good  
carpenter to build one.

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ELI DIETSCH is involved in an analysis of bass fishing regulations. In cooperation with JOHN FORNEY, JOHN NICKUM and DAVE GREEN of Cornell University and our Regional biologists, Eli has developed a workshop to look at management strategies for management of large, problem warmwater lakes. The workshop will be held in mid-January, 1976.

BONNIE JACKSON and MAURY OTIS are developing a training program for fish habitat technicians who are expected to be employed in the near future.

NORM MCBRIDE is still working in urban fisheries. The Rochester metropolitan area has been selected for a pilot urban fisheries program. The survey and inventory phase of the program will be completed by October. To date, 14 lakes, 50 ponds, and about 60 miles of streams have been surveyed. The survey and inventory phase included: qualitative fish sampling, physical and water chemistry, public access needs, identification of artificial fishing opportunities and identification of problems. The information collected will be used to develop a strategic and operational plan to maximize the fishing potential and to stimulate fishing activity in the Rochester area. The strategic plan should be completed by February and implementation of the plan will immediately follow. A publication reviewing the literature and urban fishing programs throughout the United States has been completed and is available upon request.

#### Bureau of Environmental Protection--JOHN SPAGNOLI, Chief

1975 has been a year of increased broad environmental actions impacting on our existing limited program. PCB contamination brought to the forefront by EPA in some of their Hudson River collections has required a substantial shift in our analysis program; requirements of PL 92-500 (sections 401 and 316) have necessitated reviews of mandated industrial sampling programs, data and impact assessments; the State's new Environmental Quality Act (SEQR) is about to add broad review powers to DEC and an additional assessment responsibility to this Bureau. All of these activities superimposed on our present heavy metals, pesticide, mortality evaluation and standards-guidelines and impact analysis work has meant that existing personnel were spread thin in an attempt to address all activities. In the midst of all the difficulties (problems associated with "immediate action" programs) it is heartwarming to note how staff professionals of the sister bureaus shared the workload. Work days lasted until the samples were collected and processed, weekends were considered as bonus sampling days. This professional attitude is great.

The outlook is not all bleak. Along with the new work came help. RALPH COLSON, Supervising Aquatic Biologist, agreed to a transfer back to this Bureau to supervise the Standards Section; funds for temporary technicians and chemist lightened some lab work; and two vacant positions are in the process of being filled.

#### Impact Analysis Section--JOE DELL, Supervisor

During the year first drafts of review guidelines were prepared on three subjects: Power Plant Siting; Power Plant Biological Study Programs (401); and, Dredging and Spoil Disposal. The purpose of these guidelines is to insure thoroughness and uniformity of review statewide, taking into account the wide diversity of circumstances which exists between stations and areas. Also, in response to P.L. 92-500 requirements, the Section assisted in drafting the 401 certificates for individual power plants and set up a tracking and filing system to keep track of



The major emphasis of the Rome Pollution Laboratory under the direction of Associate Analytical Chemist, EARL HARRIS, during the past year has been monitoring of PCB's on a statewide basis. In addition, Earl and his staff (RALPH KARCHER and JUDE BASSO) have been active in monitoring mercury in special lakes and analyzing pesticides for conformance with label contents in cooperation with the Department's Bureau of Pesticide Control. Assistance continues to be given to Ward Stone's wildlife pathology work related to suspected chemical toxicants in wildlife.

Special Projects, LARRY SKINNER, Coordinator

LARRY SKINNER, Associate Aquatic Biologist, has assisted in the development of a new disinfection policy for sewage treatment plants. In addition, he has coordinated much of the collection, analysis and data reporting aspects in the current statewide PCB monitoring of fish and wildlife flesh. Assistance has been obtained from all members of the Bureau. Larry has also coordinated all Division of Fish and Wildlife input to the on-going water reclassification hearings.

NEW YORK COOPERATIVE FISHERY RESEARCH UNIT

The New York Cooperative Fishery Research Unit suffered a major change in personnel with the transfer of ALFRED W. EIPPER, Unit Leader, to the Regional Office of the U.S. Fish and Wildlife Service in Boston. Al's new title is Power Plant Siting Coordinator for the Northeast. Al had a busy year prior to his departure including such high points as completing his term as President of the Northeastern Division of the American Fisheries Society, presenting an invited paper on the effects of environmental factors on the survival of young largemouth bass at the National Bass Symposium, and the publication of a text, Fisheries Science--Its Principles and Applications, which he co-authored with W. HARRY EVERHART and WILLIAM D. YOUNGS.

The unit program under the interim leadership of JOHN G. NICKUM, continues to emphasize research on major sources of mortality in immature warmwater fishes, intensive culture of cool- and warmwater fishes, and problems related to urban fishing programs. During the past year one student completed studies for an M.S. degree and three new students began studies with the Unit. MRS. ALICE KLOCK, Unit Secretary, continues to provide a cheerful atmosphere and valuable stability to the Unit office.

JAMES W. MORTON completed his M.S. program with a thesis reviewing and analyzing the literature on dredging and spoils disposal. He is now in the happy situation of considering alternative job opportunities.

TOM JACKSON and DOUG HEIMBUCH continued their studies. Tom developed methods and facilities for testing the effects of wave actions on mortality of largemouth bass eggs and larvae. He also succeeded in extending the spawning season for largemouth bass through July with methods and simple equipment readily available at most hatcheries and laboratories. Doug developed facilities and initiated studies on his problem dealing with methods of culturing Daphnia in wastewater effluents.

LUCIANO CORAZZA, LEE FUIMAN, and JANENE WIRTE began studies in September. Luciano is interested in aquaculture and is beginning studies on intensive culture of percid fishes. Lee's interests include larval fish development and aquaculture, with particular emphasis on catostomid fishes. Janene will be conducting studies on the evaluation of urban fishing programs.

he pursued much of the ground work which culminated last November in the formation of the Atlantic International Chapter of the A.F.S. GLENN PENNEY reported that the run of Atlantic salmon to the Mactaquac Dam, Saint John River, N.B., has risen from 2,452 in 1967 to 19,085 in the past season. Nearly 2 percent of the hatchery-produced smolts are returning as adults and hatchery returns now comprise about 40 percent of the run to the dam. The estimated egg deposition in accessible Saint John River headwaters now slightly exceeds the minimum requirements of 200 eggs/100 yd<sup>2</sup> spawning area. MIKE ROBERTSON, former Unit Head, has assumed a position with the federal Environmental Management Service in Edmonton, Alta.

In the Gulf Management Unit, salmon monitoring programs continue while enhancement and restoration projects expand. From the Miramichi River system, Unit Head GARY TURNER reports that, although the current commercial fishing ban and angling restrictions are due to expire at the end of 1976, the projection of annual salmon runs points to reduced runs for possibly another 3 years. Gary adds that greater home stream escapement of Maritime salmon stocks are possible if a means of reducing their contribution to the Newfoundland commercial fishery, without hindering conduct of that fishery on Newfoundland stocks, can be found. Federal Resource Development Biologists from Halifax, Nova Scotia, and St. John's, Newfoundland, and a provincial biologist from Quebec are currently involved in technical discussions on this problem.

From the Restigouche River System, JOHN PEPPAR tells us that average juvenile salmon densities throughout the watershed in 1975 and projected fry production for 1976 were the best since the commercial fishing ban and angling restrictions were imposed in 1972. Anglers had a particularly disappointing year in 1975 due to the occurrence of unusually low water levels which reduced the catch by 43% relative to 1974. Taking all things into consideration, JOHN concludes that the Restigouche salmon run appears to be showing healthy signs of recovery.

From the Nepisiguit River system, ANDRE DUCHARME says that a comprehensive feasibility study of this river as a significant salmon stream is nearing completion, and that continuing progress in the abatement of base metal mining pollution is being made. Andre indicates that an unpolluted neighboring stream, the Tetagouche River, has the potential to produce an additional 1600 fish per annum with the installation of proposed fish passage facilities at Tetagouche Falls in the main river.

From the Miramichi River system, TIM LUTZAC reports that salmon enhancement and restoration programs have begun on particular Miramichi tributaries which have experienced severe declines or elimination of salmon runs due to physical or chemical stream alterations and overfishing. The stocking of hatchery-reared smolts of selected parental origins has shown promising results on the Bartholomew River. Returns from stocked smolts constituted 18% of the 176 adult salmon which ascended the stream

Tim adds that black salmon angling studies which examined the effect of "hook and release" on salmon kelts, suggested that the mortality rate on released fish was too low to justify any change in angling regulations which currently permit the hooking of as many as 5 kelts per day, with the retention of only one fish.

Within the Fish Culture Programs Unit, TIM CAREY, Head of the Unit, was granted fifteen months of special leave to take a position in the Aquaculture group of FAO in Rome, Italy.

RON HAWKINS, Supervisor of Hatchery Operations, retired during the past summer after 25 years' service. Ron's replacement is GEORGE ROBBINS, who had been the Act-

RAY MACDONALD retired as Supervisor of the Commercial Fish Culture project at the end of 1974 and JOAN CALDER was appointed Acting Supervisor of this project. BOB BAKER, in charge of the project's sea-cage operation, also left early in 1975 to assist Ray in his new challenge to culture salmonids in the coastal waters of Prince Edward Island. Ray and Bob are employed by the P.E.I. Fisheries Department. DAN MACPHAIL was seconded to assume onsite responsibility for the sea-cage operation. During the year the project was moved from Polly Cove, a distance of 12 miles, to a more accessible and protected site at Boutillier's Point in St. Margaret's Bay, N.S. Greater protection from the sea was identified as necessary following a severe July hurricane which contributed to the loss of more than fifty percent of the caged stocks.

DON RILEY of the Fish Habitat Protection Section, advises that Canada proclaimed in 1975 a Federal Ocean Dumping Control Act aimed at controlling the disposal of deleterious substances in the marine environment. Work has now been directed to defining the regulations under the Act and resolving the best administrative procedures for the legislation. Ocean dumping was formerly handled under the Federal Navigable Waters Protection Act.

WALTON WATT reports good progress towards ensuring that minimum environmental damage from Atlantic Canada's first nuclear power plant at Point Lepreau, New Brunswick, on the Bay of Fundy coast. A preliminary development document relating to the selection of intake-outfall structures at the site has been completely by consultants to the developer and is being reviewed to determine the adequacy of environmental safeguards to be incorporated in the plant design.

RICK SEMPLE continued evaluation of a new fish passage design, a spiral fishway, developed by a private firm--Aeroceanics Fishway Corporation of Toronto. Sited adjacent to a conventional Denil fishway, the spiral fishway was found to be more effective only for passing sea lampreys when both facilities were operated simultaneously. The Denil was more effective in passing alewives, shad, brook trout, brown trout and Atlantic salmon. When operated on alternate days in the fall, the spiral fishway proved to be slightly more effective for salmon passage.

For the first time in eastern Canada, Rick used closed circuit television to automatically videorecord quantitative samples of the downstream movement of alewives through a hydroelectric powerhouse bypass. The method looks promising for spent adults but for juvenile fish difficulties were encountered in tabulating accurate numbers of fish when passage rates were extremely high.

## ONTARIO

### Sport Fisheries Branch--Ontario Ministry of Natural Resources

#### New Projects

Fish Pass--testing of the Aeroceanics Fishway at Denny's Dam on the Saugeen River (Lake Huron) was carried out during 1974-75. Preliminary report available from main office of the Ministry of Natural Resources, Queen's Park, Toronto, early in 1976.

P.C.B Tests--Coho and chinook salmon and rainbow and brown trout from the Great Lakes are being tested by the Ministry of Environment to determine P.C.B. concentrations. Reports available later in 1976.

C. BLAKE WEIRICH was officially established as the southwest area fisheries manager. RONALD LEE was formally assigned as an area fisheries manager with an office in Tionesta.

The position of fisheries technician was created to provide a suitable work assistant for aquatic biologists. Eight individuals were placed in these positions.

CRAIG BILLINGSLEY was transferred from the Delaware River Anadromous Fisheries Study to the area fisheries office at Nockamixon State Park. He is being trained to assume the status of area fisheries manager.

#### PENNSYLVANIA STATE UNIVERSITY

Research emphasis at Penn State continued in the areas of fish behavior, effects of water quality on fish populations, and distributional ecology of Pennsylvania fishes. ED COOPER continued field studies at several locations, and made considerable progress in reorganization and improvement of the University's fish collection. He is working on a major publication on the fishes of Pennsylvania. He is teaching Ichthyology and Freshwater Ecology. BOB BUTLER taught the course in Fish Behavior and began a new course in Fisheries Science. He is continuing motion-picture work and planning a publication synthesizing recent studies here on cover-seeking behavior. DEAN ARNOLD teaches the course in research methods for aquatic ecology, and is continuing research on naturally-acid streams and on reservoir productivity. Two M.S. degrees were awarded. TOM HOFF's thesis on "Comparative Response to Overhead Cover Among Various Strains of Domestic Brook Trout" suggested that cover-seeking behavior is genetically controlled, and that it might be possible to breed such behavior in or out of a strain of fish as desired. BARRY ZAPLITNY's thesis entitled, "Evaluation of Catchable Trout Stocking in a Marginal Reservoir Habitat" demonstrated a 42 percent return of stocked trout to anglers despite an annual carryover of less than six percent. Trout stocked after the season opened provided a better return than did trout stocked pre-season.

RON KLAUDA received the Ph.D. degree. His thesis was entitled "Use of Space and Time by Wild Adult Smallmouth Bass in a Semi-Natural Stream Habitat." Observations of a population of mature smallmouth bass over a seven-month period indicated that there are preferred locations for behavioral interactions and that these are not related to randomly-distributed cover; and that dominant fish had no statistical advantage in growth over subordinates. Other graduate students currently working on Ph.D. degrees are RALPH MARKARIAN on age structure and community dynamics of aquatic insects in a losing stream; and JIM MCLAREN on competition among hatchery reared and wild brook trout.

Master's theses under way include those of JOHN YOUNG on behavioral and other changes as an indicator of chronic effects of turbidity on fishes; GERRY LACY on the effects on stream life of clear-cutting hardwoods on the Allegheny Plateau; TODD SHELLY and REGAN WILLIAMS on aspects of the aquatic life before and after diversion of sewage effluent from a stream; LEAH GLESSNER on food-chain dynamics of rock bass; PAT BENDER on primary production of naturally-acid streams; DAVE COCKLEY on effects of low pH on behavior of smallmouth bass; ALAN HALE on fish production in naturally-acid streams; DAVE GUSSMAN on ecology of freshwater clams; and JIM MEADE on brine shrimp culture for hatchery feeding.

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Following the path of least resistance is what makes men and rivers crooked.

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The river basin provides a diversity of habitats, and because of its glacial history has varying compositions of fish species, with some lakes having only one or two species. Much of the area above the Labrador escarpment has no fish, providing an unusual opportunity to study invertebrates in this situation. Salmon stocked in these fishless areas show exceptional growth, and at three years old average 40.4 cm in fork length, weighing 0.8 kg. Investigations on interactions and relative production with trout are continuing, with experimental studies being made in stream tanks.

The area is exceptional in this day and age in that it is still in its pristine condition, and has no history of logging or spraying. The 270 sq. miles are protected as a fish and game reserve. However, a road has recently been opened along the coast, and this threatens developments which would interfere with research. Negotiations are now in progress to have the watershed classified as an ecological reserve, under a new Quebec law. This would preserve the area for scientific research. Adjacent areas are being changed rapidly by logging, hydro-electric dams, mining, and recreational pursuits, so that valuable base line data are provided by the Matamek station, which at present is the only location on the North Shore where long-term ecological studies are conducted.

McGILL UNIVERSITY--DEPARTMENT OF BIOLOGY  
P.O. BOX 6070, Station A, Montreal, Quebec

FRANK RIGLER has been appointed chairman of the Department of Biology effective June 1976. Dr. Rigler received his Ph.D. degree from the University of Toronto. Noted for his work in the field of Limnology in general, and Zooplankton dynamics and nutrient cycling, in particular, Dr. Rigler is a welcome addition both to the Department of Biology and to the Limnology Research Group.

Dr. DONALD KRAMER joined the Department in August 1975. A Ph.D. graduate of the University of British Columbia, he subsequently held post-doctoral posts in Africa and in the Panama.

The additions of Rigler and Kramer bring the number of personnel working in Limnology and Fisheries within the Department of Biology to six.

Research in Limnology and Fisheries is currently concentrated in three major programs:

Lake Memphremagog Programme. Co-directors J. KALFF and W. LEGGETT. This programme seeks to quantify the relationship between nutrient levels in lakes and production at higher tropic levels. It has been chosen as a study site because it exhibits a nutrient production gradient between the inflow and outflow. This gradient occurs as a result of heavy nutrient inputs (66% total P) at a point source at the southernmost end of the lake. These nutrients are gradually reduced in concentration during transfer to the outflow located 30 miles distant at the extreme north end of the lake. Projects ongoing or completed during 1975-1976 included a model of the nutrient dynamics of the lake (CARLSON); phytoplankton and macrophyte ecology (Kalff); resource subdivision among fishes (GASCON-Leggett) modelling P occurrence and water movement (INGRAM); epiphyte ecology (CATTANEO); sedimentation rates (Spiller); rotifer ecology (NOGRADY); algal succession (BRIGHTON-KNOECHER); physiological ecology of flagellates in chemostat culture (MORGAN); nutrient recycling by zooplankton (PETERS); zooplankton grazing (DOWNING); zooplankton dynamics (Schonert); role of fish in nutrient dynamics (NAKASHIMA). New modern field facil-

fry and/or small fingerlings. Spawning sea-run alewives will be stocked, the young of which will serve as forage.

The pond will be limed and fertilized in future years to achieve optimum zooplankton production for initial pike feeding and to provide growth for juvenile alewives. The pike will be removed in the autumn following draw-down of most of the pond. The annual goal is 3,000 pike averaging 8 inches or larger for maintenance stocking of several Rhode Island Ponds. This level of production was realized on a small scale at the Arcadia Warm Water Hatchery in past years.

The Pawcatuck River shad restoration project was expanded to include transplants of adult American shad and rearing of shad fingerlings.

Two custom-made cylindrical tanks with circular currents were used in transporting adult shad from the Connecticut River fishway in Holyoke, Massachusetts, to the Pawcatuck River. Three hundred and seventy-four adult shad were transplanted. Survival exceeded 80% when no mechanical problems were encountered and rapid transfer of shad from fishway holding cage to the tank truck was achieved. Assistance in this shad transplant was provided by the Massachusetts Division of Fisheries and Wildlife, and the Massachusetts Cooperative Fishery Research Unit, University of Massachusetts.

Fertilized shad eggs were obtained from the Connecticut River with the assistance of the Connecticut Department of Environmental Protection. Hatching and rearing of fingerling shad in predator-free ponds were quite successful. Production approximated 4,000 shad (1½-3 inches) per acre.

Increased pond fertilization and the use of all ponds at the state warm water hatchery will be carried out in the future to obtain maximum production of shad fingerlings. The hatchery is located on a headwater tributary of the Pawcatuck River, thus imprinting the shad to this system.

In 1975, the Rhode Island Division of Fish and Wildlife, Marine Section has been involved in five major State and/or Federal projects in addition to its continuing programs of species management and fisheries development. In cooperation with the University of Rhode Island, a study to determine the forage-food interrelationship between menhaden (Brevoortia tyrannus) and sportfish bluefish, (Pomatomus saltatrix) and striped bass, (Morone saxatilis), has been continuing since last summer. Another state-supported project studies three popular shellfishing areas in Rhode Island to determine size composition and population density of clams (Mya arenaria) and quahaugs (Mercenaria mercenaria) and led to state management control of these areas. An additional study is presently underway in Upper Narragansett Bay and the Providence River to provide estimates of the magnitude and value of the harvestable quahaug resource, upon which data proponents of commercial shellfish depuration may justify their operation.

Two federal programs have also been ongoing during 1975. One is entitled "Management Studies of Inshore Lobster Resources." Data taken on-board commercial lobster fishing vessels over the period August 1974 through December 1975 have resulted in preliminary determinations of lobster growth and mortality rates in the Rhode Island near shore fishery. Tagging studies have also shed light on lobster movement patterns and have provided information on migratory movements between inshore waters and the continental slope. These baseline data were needed as input for lobster management under the State-Federal Lobster Management Program--a

Last June, DICK BIGGINS took Horace Greeley's advice and "went west" to Utah. It has been Vermont's good fortune that things didn't pan out too well there and Dick has returned to us as of mid-January. Welcome back, Dick--you have been missed.

JOHN CLAUSSEN tells me he has had some encouraging results from a program to establish largemouth bass in the N. Springfield flood control dam operated by the Corps of Engineers. He has evidence of reproduction and excellent growth rates. This impoundment on the lower Black River was extremely marginal for trout, hence the switch to a WW species. He has also been experimenting with low-level draw-offs at one of our man-made trout ponds in the same watershed. Results to date have been somewhat anomalous--he gets cool water but it's loaded with  $H_2S$ . He has also been working closely with our Highway Dept. in the development of mitigation techniques particularly in relation to stream alterations and bridge jobs. We seem to be making progress in getting the engineers and biologists together. This also applies to our relations with the SCS who have been working closely with us on streambank repair jobs.

Up in the "Northeast Kingdom" ANGIE INCERPI has been involved in what looks to be a successful Landlocked Salmon restoration program particularly in Lake Memphremagog. Anglers are catching 18"-22" salmon which went into "Magog" tribs  $1\frac{1}{2}$  years ago as 6 to 8 inch smolts. He has also been continuing a detailed year-round lake trout creel census on some excellent lakes in the northeast. In addition, he has been keeping close track of the general winter trout fisheries--all species.

In the Hatcheries Division, BOB KEIR has installed six fiberglass tanks of the Swedish design up at Bald Hill hatchery. At present he is working out water management problems in the face of -35 deg winter temperatures. Early problems with inflow and outlet icing seem to have been overcome and they will be able to serve their function of rearing landlock salmon smolts. At Roxbury station we have also been rearing an experimental (Magog female X Penobscot male) cross for the Conn. River program. Bob also is involved in fishkill investigations--(fortunately few) and hatchery disease problems.

LEN HAINON, Chief Fisheries Biologist, is now stationed in Montpelier and, in addition to directing the overall fisheries program, has undertaken liaison for highway projects; stream alteration permits; and permits for operations involving lands under public waters. In these matters there is close coordination with the Concord Area Office--Div. of Ecological Services--USFWS--(what used to be known as River Basins Division.)

JIM MAC MARTIN, who was fingered by Rog Reed to pull together these notes, has been metamorphosed into what is called Senior Staff Biologist--a sort of two headed character who serves both the Fish and Game Dept. and the parent organization, the Agency of Environmental Conservation. Duties include representation on the Connecticut River Anadromous Fish Restoration Program; Vermont Pesticide Advisory Council; Vermont Yankee Technical Advisory Committee (nuclear plant on Conn. R.); Environmental Review Team (Agency); Act 250 Review Committee (Agency); and, as of last July, one of four U.S. members of the Lake Champlain Environmental Impact Committee. The last assignment involves work regarding the Canadian proposal to modify spring lake levels as noted in the section re: Jon Anderson.

shortened thereby increasing efficiency.

A literature review revealed that fishing success (all species) for reef vs. non-reef areas ranged from a high of 40:1 (Florida) to a low of 1.2:1 (California) with an overall average of 8:1. For just bass West Virginia reported a 2:1 ratio, Florida a 1.5:1 ratio and at Smith Mountain Lake the author had a 2.5:1 success ratio.

The total cost of the project was estimated at \$5,000 including materials, labor for construction and placement; however, it was estimated that \$3,000 was donated (equipment and material) resulting in \$2,000 out-of-pocket costs.

RAY CORNING (Virginia) presented some theoretical aspects to be evaluated before reefs are considered as one of many possible management alternatives. He showed some Virginia data which indicated that as hours of effort increased, yield (lbs/a/yr) increased to an asymptote and leveled off. This has important implications since in Virginia smaller (<100 a) lakes are in the majority and lakes with high standing crops are in some cases fertilized. Reef placement then is a management alternative if the standing crop can be raised. A tire reef constructed of 100-8 tire units has a surface area of 5600 ft<sup>2</sup> or .13 acres and by using a food web consisting of phytoplankton → zooplankton → prey fish → predator (bass) and starting a phytoplankton production of 10,000 lbs/acre attributable to the tire reef and a 10% level of efficiency at each trophic level the bass increase due to the single tire reef is 1.3 lbs. for any given body of water. Except for very small lakes he concluded (based on theoretical aspects) that any significant increase in productivity could not be expected. A second value of reefs might be to increase the harvest rate (catch per hour) by utilizing the "concentrator" effect of reefs. Since pressure is high (hours/a/yr) on many small lakes and if the upper safe yearly harvest is set at 50% reef concentration might result in over-exploitation. He concluded by saying that reefs probably have value in lightly fished lakes with little natural structure.

PAUL BROHAU (Wisconsin) also studied reefs in Smith Mountain Lake Virginia and was concerned about the evaluation of the tire reefs and tree reefs in two types of locations, points and coves.

He utilized four sampling techniques to determine relative bass abundance. The techniques were (1) fishing using members of a local bass masters club, (2) SCUBA surveys, (3) trap nets and (4) gill nets. Data was presented from fish collected by the first two methods as trap nets and gill nets were not effective. Data collected by the bass masters and by SCUBA gave similar results and showed that bass preferred tire reefs to tree reefs and further preferred points to coves. Unlike bass, panfish definitely preferred tree reefs to tire reefs.

### Size Limits

BLAKE WEIRECH (Pennsylvania) gave an historical review of all regulations concerning bass and indicated the general trend was one of being non-restrictive to very restrictive then a period of fewer restrictions up to the present when more restrictions appear to be coming back. His review of data done on several TVA lakes during the 40's and early 50's revealed their evidence to be the basis of many states lowering restrictions on bass. These studies showed (1) closed seasons had little value, (2) a creel limit appeared to have only psychological value and (3) size limits had a prohibitive effect by reducing angler success and enhancing



to be more consistent in reporting of statistical analyses.

DAVE CALLUM (Vermont) discussed briefly Vermont's lake sampling form which was similar to Pennsylvania's and Massachusetts'.

#### WEST VIRGINIA

Department of Natural Resources  
Division of Wildlife Resources

CHARLES M. HEARTWELL III completed his work at the Eastern Fish Disease Laboratory at Leetown and has established his office at the Elkins Operations Center as a member of the fish research unit. Other fish research personnel include ROGER SCHOUMACHER, RAY MENENDEZ, LLOYD HESS, and JIM WOODRUM. Ray Menendez continued chronic bioassays using brook trout and various constituents of acid mine drainage. CLIFF DECKER, a graduate student, is assisting Ray, and conducting additional tests using invertebrates. Lloyd Hess continued evaluation of hypolimnion aeration in a small impoundment for the second year. Field work has been completed and data evaluation is underway. Several graduate students from WVU--TONEY JANICKI, RON OCHALEK, and JAMES LABAUGH--are also working on an evaluation of the project. Jim Woodrum completed work on an ecological study at Moncove Lake and management recommendations are contained in the final report. BILL TAYLOR completed his MS work at WVU on one phase of the project and is now a doctoral candidate at Arizona St. Univ.

U.S. Fish and Wildlife Service  
Eastern Fish Disease Laboratory--Leetown

Some activities at the Lab include the following:

#### Bacteriology

1. Bacterial gill disease is finally being transmitted from infected to non-infected salmonids after approximately 12 yrs. of study and experimentation.
2. Indirect fluorescent antibody technique (IFAT) is now being used for furunculosis, vibrios enteric redmouth, and corynebacterium.
3. Cooperative research being conducted with Western Fish Disease Lab on corynebacterial kidney disease and furunculosis to determine success of iodophors as salmonid egg disinfectants.
4. Project is in progress to determine U.V. doses needed to kill the fish-pathogenic bacteria.

#### Histopathology

1. A study of the histopathologic changes in rainbow trout infected with Herpesvirus salmonis, a new pathogen, is in progress.
2. Survey in progress to determine the priority of infectious diseases of Atlantic salmon.

#### Immunology

1. Diagnostic antisera have been prepared for 9 bacterial pathogens, seven viral pathogens as well as normal rabbit serum and control antigens for distribution to cooperative research facilities.
2. Techniques now being used for sterilization using ethylene oxide and freeze-dry preservation of viruses and bacteria.

#### Parasitology

1. Procedures completed for FAT diagnosis of Myxosoma cerebralis.
2. An electron microscopy study of M. cerebralis spores is complete.
3. Manuscript in press for in vitro culture methods for Myxosoma cerebralis.

utive Director of the American Fisheries Society. Dr. Wade reported a brighter financial picture for the Society than had previously been projected but called attention to continued inflationary increases in costs for the Washington Office and publication of the Transactions. He reported that Society membership as of last August 31 was 6161 members including 3544 active members and over 1000 student members. Dr. Wade discussed activities and interests in the Society's special interest sections and formation of additional chapters and reported upon Society publications.

The report of Secretary-Treasurer RICHARD HATCH was presented and accepted as read. Most of the reports of standing and ad hoc committees had been mimeographed and distributed to the members at time of registration. There were no questions or discussion of these reports from the floor; all were unanimously accepted. Hershey, Pennsylvania, was proposed by LYNDON BOND of the Time and Place Committee as the site for the 1976 meeting. The suggestion was accepted unanimously. DAVID CRESTIN reported for the Resolutions Committee a resolution commending the State of Connecticut on a capable and gracious job of hosting the meeting and expressing the appreciation of the membership. The resolution was adopted by acclamation.

At the request of ROBERT JONES a financial statement was made available on the River Ecology Symposium account. STEPHEN TAUB commented on slow and unreliable mailing of materials through the national office. President Eipper expressed hope that the "manual for officers" would result in improvements. JOHN CRONAN highlighted the financial problems resulting from non-payment by members of Division assessments. His motion that the national Executive Committee act to assess and collect an additional \$1.00 to revert to the Division was passed unanimously.

Results of the Division election were announced, and the new officers assumed their duties. New President Colton Bridges expressed the appreciation of the Division to retiring President Eipper and presented him with a plaque. President Bridges commented on the success of the River Symposium and suggested that the Executive Committee consider possibilities for another special activity in the near future. Appointments of new committee chairmen were announced (Names of officers and committee chairmen appear inside the Newsletter front cover.).

A suggestion was made from the floor that the Society attempt to improve upon existing job placement services for graduating fisheries students. It was decided to seek the advice of Messrs. Wade and STROUD on improvement or supplementation of the present Sport Fishing Institute system. Alfred Eipper moved and the membership voted that the Executive Committee of the Division be granted discretionary powers to allocate funds from the Division's River Ecology Symposium Account when such support was necessary to enable the Division representative to travel to meetings of the national Society's Executive Committee. T. L. MARSHALL invited all parties interested in discussing formation of a Northern New England-Maritime Provinces chapter of the Society to meet at the close of the session. The possibility of reactivating anadromous fisheries workshops with Division sponsorship or participation in concert with the U.S. Fish and Wildlife Service was discussed. Discussion revealed a variety of possibilities and varying levels and kinds of interest within the group. President Bridges planned to discuss the prospects with the Executive Committee. Delano Graff reported an invitation from the Fisheries and Marine Service, Canada, to hold the next salmonid workshop in the Maritime Provinces. The annual business meeting adjourned at 5:50 p.m.

"Gaining Financial Support"--MARK APSEY, Professional Fund Raiser  
"Gaining Special Interest Group Support"--DEAN CLARKE, Trout Unlimited  
"Influencing Human Behavior"--RUDY WINSTON, Naval War College

Each of the speakers elicited extensive discussion from the 67 persons in attendance. Overall the meeting seemed to foster a determination on the part of the membership to communicate more effectively in the future.

The chapter elected the following officers to serve in 1976:

President--DAVID CRESTIN, National Marine Fisheries Service, Gloucester, MA  
Vice President/Program Chairman--PETER OATIS, Mass. Div. of Fish & Game  
Secretary-Treasurer--JAMES ZUBOY, Conn. Dept. of Environmental Protection

#### CENTRAL PENN CHAPTER, AMERICAN FISHERIES SOCIETY

The Central Penn Chapter held monthly meetings throughout the year except for July and August. Meeting sites rotated among state, federal, university, and college facilities in the area. The June meeting was the annual steak fry at Stone Valley Lake. New officers were elected at that time and were VINCE MUDRAK, President; BOB FISHER, Vice-President (Program Chairman); and JOHN YOUNG, Secretary-Treasurer; DEL GRAFF and JIM MEADE, Directors. Meeting attendance averaged 15-25 persons. Programs during the year included talks by BOB BELL on the Raystown Lake project; BILL WALKER on trophic interactions of the mottled sculpin; TIM ROBBINS on power plant impact studies at Peach Bottom, Pennsylvania; DICK SNYDER on evaluation of fall trout stocking; TOM HOFF on genetic aspects of cover-seeking behavior; HUGH POSTON on nutrition research at the Cortland lab; KEN WOLFE on disease research at the Leetown lab; and SAUL LAVINE on nuclear reactor hazard evaluation. The annual meeting featured films and a panel discussing regulatory approaches to power plant siting, organized by VINCE MUDRAK.

The Chapter continues to serve a vital function in providing for communication among state, federal, and college workers; and in exposing students to professional fisheries workers and their concerns.

#### NEW YORK CHAPTER--AMERICAN FISHERIES SOCIETY

The New York State Chapter held a very successful annual meeting February 6-7, 1976 at Bergamo East Conference Center, Marcy, New York. This was the first meeting in several years that was not held jointly with other organizations or agencies. The attendance of over 80 was very gratifying compared to last year, when we struggled to get a quorum of 29.

As outgoing President for the past two years, I would like to thank my Executive Committee, who also acted as the Program Committee this year to try to "Get It Off the Ground." They were ROBERT (BOB) WERNER, Vice President (who also did a good job as the Membership Chairman); ARCH PETTY, Secretary/Treasurer; and MARTIN PFEIFFER, ex-President. New officers are Dr. Robert Werner, President; CLIFFORD CREECH, Vice-President; L. C. SMITH, Secretary/Treasurer.

I believe the program was a main factor in the good turnout, as well as Bob's efforts to get new faces in the audience. Below is the list of topics covered on the agenda. Attendees completely endorsed a similar format and same meeting place for next year, when we should hit well over 100 attendees.

1976 SALMONID WORKSHOP - NORTHEASTERN DIVISION AFS

CALL FOR PAPERS

The 1976 Salmonid Workshop will be held in Northampton, MA September 26-28, 1976. The topic is "sampling techniques" and will be organized around the following habitat types: (1) small streams; (2) lakes; (3) rivers; and (4) estuaries.

Papers are invited on any aspect of habitat sampling ranging from water quality and benthics to fish. Include with your title and abstract time required for presentation--please limit yourself to 15 minutes for presentation and 10 minutes for discussion and include any requirements for audio-visual aids. We will be located within five minutes from a stream, ox-bow lake, and major river and invite equipment demonstrations. Please advise on time and equipment support for any proposed demonstration.

Title, abstract and equipment requirements of proposed presentation/  
demonstration should be sent to:

Peter H. Oatis, Ad hoc Program Chairman  
Division of Fisheries and Wildlife  
Field Headquarters  
Westborom MA 01581

Minutes of Annual Meeting  
New York Chapter A.F.S.

Syracuse, New York - February 6, 1975

The meeting was called to order at 1:45 p.m. by President Pearce. He made mention of a substantial communication to members during the past year. Count showed that 24 members were present which represents four less than the necessary quorum of 28 members. The Chapter now has a paid-up membership of 84.

Secretary's Report

During the year there were seven separate mailings to the membership on various subjects. Two official Executive Committee meetings were held, one in March and the other in December.

A copy of a letter to Rod Serling from Dwight Webster was received by the Secretary. This letter accompanied a special gold pin sent to Mr. Serling for his narration in the Chapter film.

Report of Committees

Auditing - Lee Cooper reported that the Treasurer's Report was in order, as well as the books kept on the Aquatic Economist business.

Program - Bill Shepherd reported that he was involved in the preparation of the Agenda. He noted the difficulty in choosing suitable topics for the attending Chapter members with diversified interests. No technical session was planned to provide adequate time for discussion of Chapter direction.

Minutes of Last Meeting

Since all members had received a copy of the previous annual meeting minutes, it was moved to eliminate their reading.

Awards

Martin Pfeiffer reported that present thinking is to have annual awards. He mentioned that wall plaques were being prepared for Bill Flick, Dave Hanselman and Steve Stinkins who had special input to the production of The Aquatic Ecologist. These awards will be made next year.

The Chapter received a plaque from the Educational Film Library Association for The Aquatic Ecologist.

Pollution Abatement

Howard Dean, Chairman, gave a report for his committee composed of William Eustance and Lee Cooper. Responsibility of this committee is to (1) encourage fisheries scientists to document environmental damage by pollution and to take positive corrective action, (2) to help society members in taking positive action to combat pollution and (3) to encourage water quality committee formation at local and regional levels.

He noted that to date his committee had received no assistance from either the national or division levels.

Larry Skinner presented the agency viewpoint. New regulations that affect

A quorum was established at this point in the meeting.

Dwight Webster made a motion, which was carried, that the President appoint key people to recommend to the Executive Committee what should be done in relationship to the future of the film.

#### International Joint Meeting

E. Holmes said that a joint meeting is planned for October 3 and 4, 1975, in Toronto with the following societies present: SCS, AIP, TSW, AFS, SAF, CIP. An SCS man is now temporary chairman. Holmes was appointed to represent the New York Chapter at another meeting later in February on the Toronto meeting. A show of hands indicated little interest (2) in the Toronto meeting.

Where do we go from here session

John Gould - Need group to relate to other resource groups. The parent society doesn't believe in technical membership.

C. L. Smith - Maybe not gaining anything from AFS Affiliation. Things in New York may not be the same as in other parts of the country.

W. Flick - Membership should be more involvement in program preparation.

B. Pearce - Chapter has already been effective, as shown by the production of The Aquatic Ecologist and probably stands well above other similar chapters.

#### Nominating Committee

E. Holmes, Chairman (C. L. Smith, W. Flick) made a motion which was seconded and passed, to have existing slate of officers continue for one more year.

#### Other

Much interest was indicated by members present to have technical sessions but not necessarily a joint meeting with TWS.

A suggestion was made for the Chapter to continue in present relationship with parent society but involve membership in technical fisheries sessions and still meet with TWS and possibly bring in key speakers.

Bob Werner was appointed to head up a committee to broaden membership base in various sectors other than DEC. He would welcome names of people in industry, educational institutions, etc.

Panels and workshops involving more members would be desirable.

Dwight Webster made a motion which was seconded, and passed that the President appoint a committee to look into improving Chapter meetings and to develop a model or example for the next Annual Meeting. This committee should will determine if meeting with TWS is feasible. The committee

The meeting adjourned at 5 p.m.

Respectfully submitted,  
A. C. Petty  
Secretary-Treasurer

SOME NOTES ON THE HISTORY OF THE NEW YORK CHAPTER  
AMERICAN FISHERY SOCIETY  
(Formerly Professional Fisheries Association of New York)

Prepared by: William A. Flick  
Cornell University

The following material has been dug out of various old boxes, torn folders, the backs of envelopes, and parts from foggy memory (or perhaps imagination). New material may eventually appear as members retire and clean out their desks. Until then I hope this chronology\* will be an aid in plotting a course for further growth and achievements of the Chapter. We have done well but with the present large, diversified, and young membership we can and should do even better.

1965     March - Fishery COOP Workshop at Cornell - Subject "Age and Growth of Fish." On March 10, 1965 at this meeting John Gould suggested creation of the N.Y. Association of Fishery Biologists.

October - Rome, N.Y. meeting of N.Y. Conservation Department Bureau of Fish - Organizational meeting of Professional Fisheries Association of New York - (Initially N.Y. Association of Fishery Biologists.)

Some of the original people involved are listed below. Additional names should be added as they are uncovered.

John Gould - Chairman (NYCD)

Erwin Alperin (NYCD)	Robert Griffith (NYCD)	Martin Pfeiffer (NYCD)
William Bentley (NYCD)	Robert Harding (NYCD)	Henry Regier (Cornell)
Robert Brewer (NYCD)	Bill Kelly (NYCD)	U. B. Stone (NYCD)
Howard Dean (NYCD)	Jim Lindsey (NYCD)	Earl Styles (NYCD)
Eli Dietsch (NYCD)	Howard Loeb (NYCD)	Dwight Webster (Cornell)
Neil Ehlinger (NYCD)	Paul Neth (NYCD)	Ken Wich (NYCD)
Al Eipper (Cornell)	William Pearce (NYCD)	Robert Zilliox (NYCD)
Bill Flick (Cornell)		

1966     March - First meeting of the "Professional Fisheries Association of N.Y. (PFANY) - Met in conjunction with the Fishery COOP Workshop at Cornell - Subject "Statistics". President - John Gould - Membership - 68.

At the meeting the members present agreed nearly unanimously that the advantages inherent in our fisheries group - i.e., the unique opportunities for really productive, searching discussion of fisheries research and management topics of mutual interest by all fisheries workers of the State - would be greatly reduced by changing over to a "joint meeting" arrangement with Wildlife Chapter. (Taken from the records of 1966.)

Attendance                      N.Y. Cons. Dept.                      Cornell

\* Note: The author will not be held responsible for the accuracy of the material herein.

1972      January - Joint meeting with Wildlife Chapter - "How Does Fish and Wildlife Fit into the New N.Y. Dept. of Environmental Conservation." President - Howard Loeb. Membership - 91.

First Chapter News Letter - Ned Holmes Editor. Last year of N.Y. Fish News (Dept. publication). Work still progressing on film "The Aquatic Ecologist".

1973      February - Seventh annual joint meeting with the Wildlife Chapter - Theme - "Fish and Wildlife Values, Conflict or Concord". President - Martin Pfeiffer. Membership - 97.

For the first time  $\frac{1}{2}$  day was devoted to separate sessions. Fisheries subject was "Fish Management Today - Where Do We Go from Here". Film "The Aquatic Ecologist" nearing completion.

1974      January - Eighth annual joint meeting with the Wildlife Chapter - Theme - "Fish & Wildlife in Regional Planning: The Adirondacks and Beyond". President - Bill Pearce. Membership - 74.

Separate Fisheries Session Saturday morning "Role of Forage Fish in Salmonid Management". This was an excellent session with speakers such as N. V. Martin from Ontario. A real bright spot compared to most joint sessions.

Film - "The Aquatic Ecologist" was finally completed. Dave Haselman and Bernie Holtman who produced the film did an excellent job and covered over 10,000 miles gathering material. The College of Forestry at Syracuse contributed the services of Dave and Bernie and the N.Y. Chapter begged, borrowed and pleaded (plus sold some film) to come up with the \$11,500 needed by the end of 1974. Steve Simkins was Committee Chairman through to the end with Dwight Webster and Bill Flick committee members attending all meetings for 6 years. Bob Werner was the super salesman that handled film distribution following completion and collected sale money to get us out of debt.

1975      February - Ninth (and last) joint meeting with the Wildlife Chapter. Also involved in this meeting were The Soil Conservation Service, and the N.Y. Upstate Chapter of the American Institute of Planners. Theme - "Environmental Aspects in Land Use - Preservation vs. Development". President - Bill Pearce. Membership - 84.

There was very little interest in this meeting (no separate session for fisheries) and total attendance was 24 with 28 needed for a quorum. Officers from the previous year were asked to continue serving.

Film - "The Aquatic Ecologist" received an award for reaching the finals in the American Film Festival. It was also accepted for entry in the "Cine Film Festival". It was selected by the United States Information Agency for use in their Science Reports. A short made from the film was made into 22 languages and sent to 84 countries.



NEW YORK CHAPTER  
American Fisheries Society

1974 Membership List

- PR 1975  
DUES
- ✓Bard, Robert L., 208 Field Rd., Red Hook, N. Y. 12571  
✓Barnes, Jeffery, 116 Columbia Ave., Syracuse, N. Y. 13207  
✓Blake, Leigh, Boot Jack Hill, Felts Mills, N. Y. 13638  
✓Blum, Cheryl A., 681 East Seneca Turnpike, Syracuse, N. Y. 13205  
✓Boreman, John, RD 2, Freeville, N. Y. 13068
- ✓Brandt, Bob, Wittenberg Rd., Mt. Tremper, N. Y. 12457  
✓Brewer, R. C., Friends Lake, Chestertown, N. Y. 12817  
✓Buffington, Burrell, State Office Bldg, 317 Washington St., Watertown, N. Y. 13601  
✓Carll, Gary, Warnerville, N. Y. 12187  
✓Colquhoun, James, 8314 Fish Hatchery Rd., Rome, N. Y. 13440  
✓Cooper, Alexander L., 1011 Garson Ave., Rochester, N. Y. 14609
- 7/24/75  
✓Corl, Glenn T., ~~Adirondack Hatchery, Rt. 113, Box 113~~<sup>89</sup>, Saranac Lake, N. Y. 12983  
✓Creech, Cliff, R.D. 1, Cincinnatus, N. Y. 13040  
✓Culp, Terry R., 111 Main St., P.O. Box 2, Stamford, N. Y. 12167  
✓Danskin, George A., 15 Deer Park Drive, New Paltz, N. Y. 12561  
✓Dean, Howard, 8314 Fish Hatchery Rd., Rome, N. Y. 13440
- 7/24/75  
✓Ehlinger, Neil, 6747 Williams Rd., Rome, N. Y. 13440  
✓Eipper, Alfred, Fernow Hall, Cornell Univ., Ithaca, N. Y. 14850  
✓Elliot, Wayne P., ~~76 Main St.~~<sup>76 Main</sup>, Stamford, N. Y. 12167  
✓Eustance, William E., 7 Oakcrest Dr., Goshen, N. Y. 10924  
✓Everhart, Harry, Fernow Hall, Cornell Univ., Ithaca, N. Y. 14850  
✓Fairchild, Robert P., 319 Hurlburt Rd., Syracuse, N. Y. 13224
- ✓Fieldhouse, R., 4 Lake St., Stamford, N. Y. 12167  
✓Flick, William, Paul Smiths, N. Y. 12970  
✓Forney, John, RD #1, Bridgeport, N. Y. 13030  
✓Gallinger, W. A., RD 3, Box 130, Marathon, N. Y. 13803  
✓Gorsuch, Joseph W., 124 Greenleaf Meadows, Rochester, N. Y. 14612
- ✓Gould, J. D., Kirkner Hill, Stamford, N. Y. 12167  
✓Green, David, Box 1865, Richfield Springs, N. Y. 13439  
✓Greene, Robert A., 179 N. Putt Corners Rd., New Paltz, N. Y. 12561  
✓Griffin, Brad, 838 Buck Rd., R.D. 1, Groton, N. Y. 13073  
✓Griffiths, R. H., RD 2, Voorheesville, N. Y. 12186
- 7/22/75  
✓Gross, Dick, Sea Grant, SUNY, Brockport, N. Y. 14420  
✓Haje, Roy L., 60 N. Morris Ave., Farmingville, N. Y. 11738  
✓Harding, Bob, 21 Broadway, Cortland, N. Y. 13045  
✓Heacox, Cecil E., R.F.D. Tower Hill, Wassaic, N. Y. 12592  
✓Holmes, E. D., High Acres, Hemlock, N. Y. 14466

- ✓Huyck, Dale L., McKenzie Rd., Saranac Lake, N. Y. 12983  
✓Janisz, Amelia J., 32-19 60th St., Woodside, N. Y. 11377  
✓Jensen, Albert C., Building 40, SUNY, Stony Brook, N. Y. 11790  
✓Johnson, Dave, 13 Virginia St., Saranac Lake, N. Y. 12583  
✓Kienbush, C.O., 165 Front St., New York, N. Y. 10038
- 7/24/75  
7/24/75  
✓Lane, Gene A., Truesdale Hill Rd., Lake George, N. Y. 12845  
✓Lantiegne, Ernie, Landon Hill Rd., Chestertown, N. Y. 12817  
✓Lawrence, W. Mason, ~~NYS Dept. of Env. Cons., 50 Wolf Rd., Albany, N. Y. 12233~~  
✓Loeb, Howard, 184 Georgetown, Voorheesville, N. Y. 12186  
✓MacWatter, Bob, SUNY, Cobleskill, N. Y. 12043
- ✓Maynard, Paul R., Florence Dr., R.D. 6, Ballston Spa, N. Y. 12020  
✓McLouglin, Apt. 29, E. Grago Drive, Canastota, N. Y. 13032  
✓Mooradian, Steve, 11 Meadow Brook, Olean, N. Y. 14760  
✓Neth, Paul, RD #5, Juniper Drive, Ballston Spa, N. Y. 12020  
✓Nickum, John G., NY Coop. Fish Unit, Fernow Hall, Cornell Univ, Ithaca, N.Y. 14850
- ✓O'Connor, Joel S., 62 Bellhaven Rd., Bellport, N. Y. 11713  
✓O'Connor, Robert, Lake Road, Stillwater, N. Y. 12170  
✓Otis, M. B., NYS Dept. of Env. Cons., Ray Brook, N. Y. 12977  
✓Parker, Carl, 51 Delmar Place, Delmar, N. Y. 12054  
✓Pearce, William, Box 316, Cape Vincent, N. Y. 13618
- ✓Pelchar, Tom, 60 Harrison Ave., Glens Falls, N. Y. 12801  
✓Petty, Arch, 5 Miller Drive, Homer, N. Y. 13077  
✓Pfeiffer, M., Dept. of Env. Cons., Ray Brook, N. Y. 12977  
✓Plosila, Dan, 15 Neil St., Saranac Lake, N. Y. 12983  
✓Pomeroy, James K., 128 South St., Olean, N. Y. 14760
- ✓Russ, Walter A., RT 2, Mayville, N. Y. 14757  
✓Sanford, Kay, Davenport, N. Y. 13750  
✓Schofield, Carl, Dept. of Natural Resources, Cornell Univ., Ithaca, N. Y. 14850  
✓Seeley, George R., Jr., M.R. #3, Rome, N. Y. 13440  
✓Shepherd, William, Haskell Parkway, Olean, N. Y. 14760
- 7/24/75  
Box 278, PINE ST.  
✓Shupp, Bruce, Chestertown, N. Y. 12817  
✓Simkins, Stephen, Paul Smiths, N. Y. 12970  
✓Skinner, Larry, ~~148 Hudson St., Haverhill, N.Y. 18005~~ Box 562, NASSAU, N.Y. 12123  
✓Smith, C.L., Amer. Mus. Nat. Hist., CPW at 79th St., New York, N. Y. 10024  
✓Smith, David B., Box 102, Paul Smiths, N. Y. 12970
- 7/24/75  
✓Smith, Stephen B., P.O. Box 687, R.D. #1, Richfield Springs, N. Y. 13439  
✓Spagnoli, John, RD #2, Cambridge, N. Y. 12816  
✓Vaas, Randy, Carl-Bert Farm, Fabius, N. Y. 13063  
✓VanVolkenburgh, Pieter, 464 Greene Ave., Sayville, N. Y. 11782  
✓Walker, Thomas M., R.D. #2, Reynolds Rd., Fort Edward, N. Y. 12828

- 7/24/75
- ✓Webster, D. A., Fernow Hall, Cornell Univ., Ithaca, N. Y. 14850
  - ✓Wedge, Leslie, RD 1, Homer, N. Y. 13077
  - ✓Werner, R., SUNY College Env. Sci. & Forestry, Syracuse, N. Y. 13210
  - ✓White, William, 2 Dorsey Terr., Saranac Lake, N. Y. 12983
  - ✓Wich, Ken, 22 Washington Ave., Coxsackie, N. Y. 12051
  
  - ✓Widmer, Carl, RD 2, Naples, N. Y. 14512
  - ✓Wilson, Douglas, State Office Bldg, 317 Washington St., Watertown, N. Y. 13601

11/22/74

*Handwritten signature*  
STATE UNIVERSITY OF NEW YORK  
COLLEGE OF ENVIRONMENTAL SCIENCE AND FORESTRY  
SYRACUSE, NEW YORK

MEMORANDUM

DATE: 1/17/75

TO: Steve Fraser

FROM: D. L. Hanselman

RE: Aquatic Ecologist

Here is a copy of our film "The Aquatic Ecologist" narrated by Rod Serling. It was produced cooperatively by the College of Environmental Science and Forestry and the New York Chapter of the American Fishery Society.

There are two sections in this film which may be applicable for your program on nuclear power plants--their need, environmental consequences, the alternatives. One sequence deals with monitoring shad migration on the Connecticut River as they pass through the thermal discharge of the Connecticut-Yankee nuclear station. The other sequence deals with the very controversial Calvert Cliffs station now under construction on the Chesapeake Bay area. Here biologists are really monitoring the before and after environmental consequences and as a result we will probably have the best documentation on the affects of the nuclear station on its immediate biological surroundings.

You are welcome to use sections of this film for broadcast. Our only request is that appropriate credit be given and the film not be damaged.

As I mentioned, the New York State Sea Grant Program has had several projects dealing with power plant siting. Ronald Stewart, a research associate in Atmospheric Sciences at State University of New York, Albany was the leader of one project analyzing power plant sitings on Lake Ontario. You might wish to talk with Donald F. Squires who is Program Director for the entire Sea Grant operation in New York State. He is at State University of New York in Albany. His phone is: (518) 474-5787.

Again, thank you for your concern for this environmental issue. Although I do not consider myself an expert in the field of thermo-nuclear power, I believe that one question that should be asked loud and clearly is how much of this electrical energy do we really need and can we afford the long-term environmental consequences of meeting these needs? I don't think we can intelligently address energy needs without also addressing the American life-style and the realities that we must ultimately face in changing some of these life-styles.

DLH:s

Enc.

cc: Ron Cochran  
Bill Pearce

*Handwritten number 24*

RECEIVED

JAN 30 1975

DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION  
REGION NO. 7  
FISHERIES OFFICE

PAUL SMITH'S COLLEGE  
PAUL SMITHS, NEW YORK 12970

January 22, 1975

Mr. William A. Pearce, President  
New York Chapter AFS  
Box 316  
Cape Vincent, New York 13618

Dear Bill:

I am in receipt of a letter from Dave Hanselman informing me that we have not yet reimbursed them for film stock footage which they were kind enough to provide until we could cover the expense. This comes as somewhat of a shock to me since I assumed that he and Bob Werner who are in very close proximity would have worked out the debt. In any event, involved here is approximately 15,000 feet of exposed film which at the time cost a little over 7¢ per foot. Thus, we owe approximately 15,000 x 7¢ - \$1050.00. Would you please contact Dave to ascertain the exact amount and how he would prefer being reimbursed?

Also, Bill, I believe you were in attendance at the meeting during which Dave suggested that we place our film with a commercial distributor after we had recovered our expenses. I know very little about such things but perhaps you and Bob Werner should talk to Dave in this regard to find out the possible alternatives available for future film sales.

With best wishes to you and Ada,

Sincerely,

*Steve*

Stephen V. R. Simkins  
Associate Professor

cc: R. Werner

*Arch - info - we can discuss at Feb Annual Meeting*  
*Bill*

RECEIVED

JAN 30 1975

DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION  
REGION NO. 7  
FISHERIES OFFICE



NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY

PO Box 1169  
Cortland, New York 13045  
July 17, 1975

Dear Chapter Member:

This letter is directed to all paid up members whose name appears on the 1974 list. The attendees at the February 1975 annual meeting will also receive it but since they have paid their 1975 dues please disregard the tear sheet at the bottom of this letter.

A copy of the 1975 meeting minutes is enclosed for your information.

For those who have not paid their 1975 dues your prompt attention is requested in completion and return with your dues of the form below. We need your interest, support and direct involvement to maintain an active and worthwhile Chapter. With postage rates the way they are, this will be the last request to continue your memberships. Please pass along the names and addresses of any prospective members.

The Executive Committee will function as the Program Committee for the next annual meeting. You can be sure that the next meeting will be different from the past ones in that (1) it will be held at a facility with more reasonable rates, and (2) the program will be of interest to members and they will take part in it. AT THIS TIME we would like to get an indication of who might present an informal paper (about 15 min.).

Therefore, with your dues (or otherwise), please indicate the topic you might choose.

*A. C. Petty*  
A. C. Petty  
Secretary-Treasurer

nh

Cut Off and Return

To: A. C. Petty  
PO Box 1169  
Cortland, New York 13045

Enclosed are my 1975 dues in the amount of \$2.00 (check or money order payable to N.Y. Chapter of A.F.S.)

Date \_\_\_\_\_ Name \_\_\_\_\_  
please print

Address \_\_\_\_\_

Zip \_\_\_\_\_



## NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY

January 12, 1976

MEETING PLACE: Bergamo/East - Chaminade Road, Marcy, N. Y. 13403 - 315-865-5271  
Lunch, Dinner-Feb. 6, Lodging, Breakfast-Feb. 7, @ \$17.00;  
Drink setups @ \$1.00 optional

Dear Fish Mongers:

Enclosed is the Agenda for our February 6-7, 1976 Annual Meeting. Please register early and bring a friend(s) - they need not be a member - but hopefully will sign up. Also, enclosed is a registration form or a copy for your use. We expect more than the 30 minimum we guaranteed and must pay for - so early registration is essential to allow Bergamo/East to plan meals, size of meeting room, etc. Send form (and money if you wish) to Bergamo as early as possible but in any case to be received not later than February 2, 1976. Note on margin your preferred roommate if known. The first joint meal is lunch, February 6.

Remember to bring any special equipment or gear you think may be of interest to others. This could be a major highlight of the meeting, for many of you have acquired or developed special gear that should be of real value to the fisheries worker.

This is the only meeting where NYS fish workers can cross-pollenate - so let's make it work!

If weather cancels out the meeting, it will be held the following Friday and Saturday, February 13 and 14.

Program-Executive Committee

### DIRECTIONS TO BERGAMO/EAST:

From the west: Leave Thruway at Exit 32 (Westmoreland); left beyond tollboth on Cider St. into Oriskany approximately 3 miles. Right on Utica St. to River St. Left, cross NY 69, railroad tracks and the two one-lane bridges. Cross over NY 49 and turn right at intersection. Then bear right up hill (Chaminade Road) to Bergamo/East.

From the east: Leave the Thruway at Exit 31 (Utica). Turn north (right) on NY 8, go 300 yards to second light; turn west (left) on NY 49. NY 49 to Oriskany exit. At end of exit ramp, go straight, then up the hill (Chaminade Rd.) to Bergamo/East.

From the south: NY 12 north thru Utica to NY 49; NY 49 west to Oriskany exit, and proceed as from the east (above).

From the north: NY 12 south to 365 and NY 291 exit (near Trenton). South on NY 291 through Trenton, Holland Patent and Stittsville to Chaminade Road. Right turn to Bergamo/East.

### SOME NOTES ON BERGAMO/EAST

Accommodations are modest but adequate. Lavatory in room. Toilets and showers in hall. You may want to bring bath-size soap, slippers, bathrobe, alarm clock, sweater or heavy shirt. Casual clothes are in order. Game room and lounge available. Gym available. Beer by pitcher for \$1.00 donation, self service.

NYS CHAPTER AMERICAN FISHERIES SOCIETY  
Annual Meeting, February 6-7, 1976  
Bergamo/East - Marcy, New York

Executive Committee: President - W. A. Pearce  
Vice President - Dr. R. G. Werner  
Secretary/Treasurer - A. C. Petty  
Past President - M. E. Pfeiffer

AGENDA

February 6, 1976: 10:00 a.m. - Registration - Room Assignments - Dues  
Noon - Lunch--Bergamo/East Dining Hall

(1) 1:30 - 3:00 p.m. - Business Meeting

- A. 1:30 - Call to Order - Roll Call
- B. 1:40 - Executive Committee and President's Report - W. Pearce
- C. 1:50 - Other Committee Reports - Election of Officers
- D. 2:30 - Discussion from the floor -- where do we go from here?
- E. 3:00 - Coffee Break

(2) 3:20 - 5:00 - Short Reports on Fisheries Topics

- A. 3:20 - Acid Rain Problem - C. Scholfield
- B. 3:50 - PCB's and Other Subtle Fish Pollutants - J. Spagnoli
- C. 4:10 - NYS Sea Grant in Fisheries - B. Wilkins
- D. 4:30 - Managing a Species for Both Commercial and a Sport Fishery - A. Jensen
- E. 5:00 - 6:00 - Cocktails - Bring Your Own Booze or beer by pitcher @ \$1.00 donation

(3) 6:00 - 7:15 - Supper

- A. Belated Awards - Nits & Bits - M. Pfeiffer

(4) Evening Session

- A. 7:30 - 8:15 - Role of Cornell Coop - T. Nickum (T. Jackson, T. Gengerke)  
(Urban Fishing, Dry Diets for Percids, Warmwater Species in Aquaculture, Reservoir Mgt.)
- B. 8:15 - 9:00 - Equipment/Gear Demonstrations  
Note: Those bringing items should be prepared to informally demonstrate and discuss their item(s), provide specs on construction or how to acquire it.
- C. 9:00 - ? - Film Showing, "Aquatic Ecologist" - R. Werner  
Bull Sessions

NOTE: Any Resolution Proposals should be sent to Bill Shepherd (Haskell Parkway, Olean, NY 14760) prior to the meeting.





NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY

January 28, 1976

To: Dr. John Nickum  
Dr. Carl Scholfield

Re: Chapter Program Changes

Carl Scholfield has a conflict and requested we change his time slot on the Agenda. John Nickum has graciously agreed to switch time slots with Carl.

Al Jensen might not make it. If so I've lined up Gerard LeTendre to give a resume of the Great Lakes Salmonid Program. I've had some requests that it be included on the Agenda.

Mason Lawrence will attend. I've made reservations for him at Trinkhaus Manor. So I guess we're pretty well set if the weather-man cooperates.

*Bill Pearce*

Bill Pearce  
President  
New York Chapter  
American Fisheries Society

cc: A. Petty  
R. Werner  
M. Pfeiffer

File

P.O. Box 1169  
Cortland, New York 13045

January 26, 1976

Mr. Richard W. Hatch  
University of Maine  
Maine Cooperative Fishery Unit  
313 Murray Hall  
Orono, Maine 04473

Dear Dick:

This will acknowledge your letter of January 7, requesting input to preparation of a Procedural Manual. I have passed a copy on to our present and past Presidents for direct reply.

Under Secretary-Treasurer I would add "Supply a copy of annual meeting notice and agenda to the AFS Executive Director."

Very truly yours,

A. C. Petty  
Secretary-Treasurer  
New York Chapter  
American Fisheries Society

mvd



# UNIVERSITY OF MAINE *at Orono*

Maine Cooperative Fishery Unit

313 Murray Hall  
Orono, Maine 04473  
207/581-7151

7 January 1976

A. C. Petty  
5 Miller Drive  
Homer, N.Y. 13077

Dear *Arch*

I am on an AFS committee to prepare a Procedural Manual for use of Division and Chapter Officers. The proposed manual will be considerably smaller than the draft prepared several years ago which you may or may not have seen. The committee chairman has prepared a tentative list of officers' duties which I have enclosed with this letter. We are seeking ideas, comments and suggestions from past officers on the list of duties, any special problems that they might have encountered while in office and items that we may have missed or that may need amplification.

We hope to have a complete outline and working draft ready for the March Executive Committee Meeting so we would appreciate receiving any input in the near future. Some problems are probably nationwide in frequency while others may be strictly regional--we want to know about both kinds, at least in the beginning. I hope you'll feel free to pass on anything that you think might help future officers operate as smoothly as possible. Thanks for your help.

Sincerely,

Richard W. Hatch  
Unit Leader

RWH/slc

Enclosure

## CHAPTER OFFICERS

November 5, 1975

### PRESIDENT

1. As a member of the Executive Committee of the Division, he is expected to attend and participate in any meetings of same called by the Division president.
2. Attend the Annual Meeting of the Division and submit a report of Chapter activities.
3. is responsible for the arrangements of all Chapter meetings and presides over same. However, he may delegate authority for meeting arrangements to a committee or another officer. Adhere to time schedule.
4. Schedule and preside over all Executive Committee meetings.
5. Make standing committee appointments within one month of taking office and notify Division secretary of chairmen of committees who also serve on the respective Division committees--Membership and Resolutions. Appointments to ad hoc committees are also to be made promptly.
6. Know how to conduct a meeting--i.e., be familiar with Roberts Rules of Order.
7. Possess a copy of the Chapter By-Laws and be familiar with same.
8. Be familiar with Society safeguards against lobbying activities by the chapter.
9. Keep abreast of Committee activity and acknowledge work of officers and committee chairmen at end of year.
10. Serve on the Chapter Executive Committee for one additional year as immediate past president.
11. He shall represent the Chapter in Society affairs as requested.

### PRESIDENT-ELECT

1. Chair the Program Committee.
2. Preside over chapter and executive committee meetings in the absence of the President.
3. Possess a copy of the Chapter By-Laws and be familiar with contents.
4. Present past-president's certificate to outgoing president upon assuming office.
5. Recruit standing committee chairmen one month prior to assuming office.

SECRETARY-TREASURER

1. Furnish a copy of minutes of annual meeting to Executive Director and Division secretary within 30 days following the meeting.
2. Notify the membership of regular meetings one month in advance; 2 weeks advance notice for special meetings.
3. Collect and disperse chapter monies at the request of the Executive Committee or the membership. A financial report will be submitted at the Annual Meeting.
4. Maintain a membership roster.
5. Submit copies of Chapter resolutions to either Division secretary or Executive Director of AFS, or both, as directed.
6. Keep a supply of Chapter By-Laws on hand and be familiar with its content. Forward amendments of By-Laws to the Executive Director for the approval of the Society Executive Committee.
7. Keep minutes of all official meetings and retain all Chapter records.
8. Order past-president's certificate 6 weeks prior to Annual Meeting.
9. Ascertain if a quorum is present at Annual Meeting and furnish ballots for elections.



New York State Department of Environmental Conservation

MEMORANDUM

RECEIVED

JAN 21 1976

DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION  
REGION NO. 7  
FISHERIES OFFICE

TO: Bill Pearce; Executive & Program Committees, NYS Chapter AFS  
FROM: Al Jensen, Stony Brook *AL*  
SUBJECT: Program for Annual Meeting

DATE: January 9, 1976

Yesterday, I received the program for the meeting at Marcy and it looks like a good one. There is a problem; I may not be able to attend. I got word yesterday afternoon that my position is being abolished in the present budget crunch. The effective date is COB January 28. Since I have a "unique" title, I may not have bumping rights and hence, may not be in State service at the time of the meeting. This all has not yet been settled but I felt you should know early 'enough in the game.

If it turns out that I am "out" at the time of the meeting, I am sending my best wishes for a successful and informative session.

*Dear Al - I'm sorry as hell about the above and sincerely hope everything works out for you and also - we see you at Bergenue.*

*I appreciate your taking the time to respond so quickly under such trying circumstances*

*Best regards  
Bill*

*cc A. Petty  
M. Pfeiffer  
K. Winters*

Lawler,  
Matusky  
& Skelly  
Engineers

Environmental Science & Engineering Consultants

415 ROUTE 303, TAPPAN, NEW YORK 10983  
(914) 359-2100

JOHN P. LAWLER, P. E.  
FELIX E. MATUSKY, P. E.  
MICHAEL J. SKELLY, P. E.  
KARIM A. ABOOD, P. E.

Lawler, Matusky and Skelly Engrs.  
205 West Fourth Street  
Oswego, New York 13126  
January 15, 1976

William Pearce  
Regional Fisheries Manager  
Region No. 7  
P.O. Box 1169 (Fisher Avenue)  
Cortland, New York 13045

Dear Mr. Pearce,

It was brought to my attention that the N.Y.S. Fisheries Chapter is having its annual meeting on February 6-7, 1976.

I am employed in the fisheries department of an environmental consulting firm. We have four to eight people within this department who would like to attend your meeting. Could you please send me the particulars on the meeting and any information on obtaining membership in your Chapter?

If time is limited, feel free to call me at-area code 315-342-1764.

Sincerely,

*Dann Griffiths*

Dann Griffiths  
Fishery Dept. Overseer  
LMS/Oswego

DG:jl

*Sent 8 sets of Everything*

*1/20/76*

*MD*

RECEIVED

JAN 19 1976

DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
REGION NO. 7  
FISHERIES OFFICE



NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY

January 12, 1976

MEETING PLACE: Bergamo/East - Chaminade Road, Marcy, N. Y. 13403 - 315-865-5271  
Lunch, Dinner-Feb. 6, Lodging, Breakfast-Feb. 7, @ \$17.00;  
Drink setups @ \$1.00 optional

Dear Fish Mongers:

Enclosed is the Agenda for our February 6-7, 1976 Annual Meeting. Please register early and bring a friend(s) - they need not be a member - but hopefully will sign up. Also, enclosed is a registration form or a copy for your use. We expect more than the 30 minimum we guaranteed and must pay for - so early registration is essential to allow Bergamo/East to plan meals, size of meeting room, etc. Send form (and money if you wish) to Bergamo as early as possible but in any case to be received not later than February 2, 1976. Note on margin your preferred roommate if known. The first joint meal is lunch, February 6.

Remember to bring any special equipment or gear you think may be of interest to others. This could be a major highlight of the meeting, for many of you have acquired or developed special gear that should be of real value to the fisheries worker.

This is the only meeting where NYS fish workers can cross-pollenate - so let's make it work!

If weather cancels out the meeting, it will be held the following Friday and Saturday, February 13 and 14.

Program-Executive Committee

DIRECTIONS TO BERGAMO/EAST:

From the west: Leave Thruway at Exit 32 (Westmoreland); left beyond tollboth on Cider St. into Oriskany approximately 3 miles. Right on Utica St. to River St. Left, cross NY 69, railroad tracks and the two one-lane bridges. Cross over NY 49 and turn right at intersection. Then bear right up hill (Chaminade Road) to Bergamo/East.

From the east: Leave the Thruway at Exit 31 (Utica). Turn north (right) on NY 8, go 300 yards to second light; turn west (left) on NY 49. NY 49 to Oriskany exit. At end of exit ramp, go straight, then up the hill (Chaminade Rd.) to Bergamo/East.

From the south: NY 12 north thru Utica to NY 49; NY 49 west to Oriskany exit, and proceed as from the east (above).

From the north: NY 12 south to 365 and NY 291 exit (near Trenton). South on NY 291 through Trenton, Holland Patent and Stittsville to Chaminade Road. Right turn to Bergamo/East.

SOME NOTES ON BERGAMO/EAST

Accommodations are modest but adequate. Lavatory in room. Toilets and showers in hall. You may want to bring bath-size soap, slippers, bathrobe, alarm clock, sweater or heavy shirt. Casual clothes are in order. Game room and lounge available. Gym available. Beer by pitcher for \$1.00 donation, self service.



NYS CHAPTER AMERICAN FISHERIES SOCIETY  
Annual Meeting, February 6-7, 1976  
Bergamo/East - Marcy, New York

Executive Committee: President - W. A. Pearce  
Vice President - Dr. R. G. Werner  
Secretary/Treasurer - A. C. Petty  
Past President - M. E. Pfeiffer

AGENDA

February 6, 1976: 10:00 a.m. - Registration - Room Assignments - Dues  
Noon - Lunch--Bergamo/East Dining Hall

(1) 1:30 - 3:00 p.m. - Business Meeting

- A. 1:30 - Call to Order - Roll Call
- B. 1:40 - Executive Committee and President's Report - W. Pearce
- C. 1:50 - Other Committee Reports - Election of Officers
- D. 2:30 - Discussion from the floor -- where do we go from here?
- E. 3:00 - Coffee Break

(2) 3:20 - 5:00 - Short Reports on Fisheries Topics

- A. 3:20 - Acid Rain Problem - C. Scholfield
- B. 3:50 - PCB's and Other Subtle Fish Pollutants - J. Spagnoli
- C. 4:10 - NYS Sea Grant in Fisheries - B. Wilkins
- D. 4:30 - Managing a Species for Both Commercial and a Sport Fishery - A. Jensen
- E. 5:00 - 6:00 - Cocktails - Bring Your Own Booze or beer by pitcher @ \$1.00 donation

(3) 6:00 - 7:15 - Supper

- A. Belated Awards - Nits & Bits - M. Pfeiffer

(4) Evening Session

- A. 7:30 - 8:15 - Role of Cornell Coop - T. Nickum (T. Jackson, T. Gengerke)  
(Urban Fishing, Dry Diets for Percids, Warmwater Species in Aquaculture, Reservoir Mgt.)
- B. 8:15 - 9:00 - Equipment/Gear Demonstrations  
Note: Those bringing items should be prepared to informally demonstrate and discuss their item(s), provide specs on construction or how to acquire it.
- C. 9:00 - ? - Film Showing, "Aquatic Ecologist" - R. Werner  
Bull Sessions

NOTE: Any Resolution Proposals should be sent to Bill Shepherd (Haskell Parkway, Olean, NY 14760) prior to the meeting.

February 7, 1976:

8:00 - 8:45 - Breakfast

(5) 9:00 - 11:00 - Short Reports Cont.

- A. 9:00 - Distribution of NY Fishes - C. Smith
- B. 9:20 - State Fisheries Management Act - W. Lawrence
- C. 9:45 - Syracuse U. - Fisheries Programs - R. Werner
- D. 10:00 - Stream Channeling Need Not Be All Bad - L. Wedge  
10:14 - Coffee Break
- E. 10:30 - Effects of Lake Fill on Littoral Zone Aquatic Insects -  
C. Creech
- F. 10:45 - Chemical Water Quality in Southern Catskill Streams -  
W. Eustance

(6) 11:00 - Noon - Meeting Wrap Up - W. Pearce

- A. 11:00 - 11:15 - Program Evaluation (Floor)
- B. 11:15 - 11:45 - Need for Organizational Change  
(General Fisheries Organization vs. AFS Chapter)
- C. 11:45 - 11:59 - Recommendations
- D. 11:59 - Noon - Adjourn

Shupp, Bruce D., Box 278, Pine St., Chestertown, N. Y. 12817  
Simonin, Howard, Box 118, Westernville, N. Y. 13486  
Skinner, Lawrence C., Rm. 528, 50 Wolf Rd., Albany, N. Y. 12233  
Smith, C. L., 312 Anderson Ave., Closter, N. J. 07624

\*✓ Spagnoli, John J., R.D. #2, Cambridge, N. Y. 12816

Vaas, Randy, Carl-Bert Earm, Fabius, N. Y. 13063

\*✓ Van Volkenburgh, Pieter, 464 Greene Ave., Sayville, N. Y. 11782

\*✓ Walker, Thomas M., RD #2, Reynolds Rd., Fort Edward, N. Y. 12828

Webster, Dwight A., Fernow Hall, Cornell Univ., Ithaca, N. Y. 14853

Wedge, Leslie, RD #1, Homer, N. Y. 13077

Werner, Robert, Rt. 3, Skaneateles, N. Y. 13152

✓ Widmer, Carl C., RD #2, Naples, N. Y. 14512

✓ Wilson, Douglas R., 61 E. Church St., Adams, N. Y. 13605

✓ Youngs, William, Riley Rd., Moravia, N. Y. 13118 -Resolution Committee

④

\* Paid in 1977

Members 1975

55

55

not renewed

24

Members 1976

pre registration

15

at meeting

73

after meeting

10

Members at present.

98

98

Mailing lists.

Consultants (Gorsuch)

15 + 12

27

Academic (Werner + Rongler)

60

Additional (C.C. Smith)

19

106

204

Program discussion -

'77

First week of February. Bergamo.

Discussion of possible approach

Training - requirements -

History of NYS. Developments - <sup>rather</sup> ~~Embodiment~~ <sup>not dict</sup>

Consensus - Some technical sessions necessary.

Political Economy on theme - discouraged. (unless cement.)

More use of evening

better equipment displays.

Smith (Louise)

1. Set up Bank Accounts.

(S)

Checking \$200

Savings \$2500 - film

Savings regular 534.14

OK. Feb-28, 1976

Cash 105.95

Ch. 89.29

Ch 437.90

Ch. 102.00

735.14

- 200.00 to checks

\$ 535.14

2. Cast stencils of minutes - duplicates

1976 registrant - (76)

1975 members who haven't returned with -  
dunning note.

3. Minutes of Executive Committee meeting

4. Minutes of office to Nat. Bd. Q.

OK Oliver

OK ADA 2

Pins - \$2<sup>00</sup> -

### Disbursements -

Telephone calls - \$2.55

Priniv \$50<sup>00</sup> recd. cash

### Income

Bergano

Cash from meeting -

Recpts - meeting +  
for pins.

late dues assigned to '76

Cards + Stationery from purchasing file

Check affiliation -

Send recpt. + card for registration

Mailing -

Send minutes etc.