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Professional Advancement →

CHAPTER PRESIDENT

Primary Responsibilities

1. Upon assuming office, the newly elevated President should:
 - a. Present the outgoing President with the past- President's certificate. ✓
 - b. Announce appointments of standing committee chairpersons. ✓
 - c. Present general statement of objectives for the coming year. ✓
 - d. Present a budget for discussion by the membership for the coming year, including the next Annual Meeting over which he or she presides; final approval will occur within three months of the Annual Meeting.
 - e. Make appointments of ad hoc committee chairpersons at this time, if possible.
 - f. Complete committee appointments within one month. Notify Northeast Division secretary of all appointments.
2. Finalize the budget and present it for final approval by the Executive Committee no later than three months after the Annual Meeting.
3. Be specific in your charges to your committee chairpersons using this handbook and revisions thereof as a basic orientation tool. Distribute a copy of this handbook to all committee chairpersons and Executive Committee members. Distribute a copy of the AFS Procedures Manual to all officers.
4. Keep informed of committee activities.
5. Ensure that Northeast Division President and Secretary are informed about Chapter activities. A Chapter report should be submitted to the Division President before 1 March.
6. Notify the national AFS office regarding the Annual Meeting time and place as soon as it is known, to be published in "Fisheries" and the "AFS Diary".
7. Be familiar with Chapter and Northeast Division bylaws and AFS constitution and bylaws.
8. Review and follow "Robert's Rules of Order" regarding protocol for conduct of Chapter business, particularly meetings at which votes are taken, including Executive Committee meetings and the Annual Business Meeting.
9. Represent the Chapter in Society affairs, as requested.

10. Be aware of Society safeguards concerning lobbying activities by the Chapter to protect the Society's tax exempt status. Consult the Society's Procedural Manual and central office staff regarding restrictions.
11. As a voting member of the Northeast Division Executive Committee, you are expected to ensure Chapter representation and participation in any meetings of same called by the Division President. In addition, every effort should be made to represent the Chapter at the Society's Executive Committee Annual Meeting. You may include travel funds for these meetings as line items in the budget you submit at the Annual Meeting, at which you are installed as President.
12. Present a brief written report of Chapter activities at the annual Division Executive Committee Meeting. Minutes of our Annual Meeting normally serve this function, so the President should ensure these are sent by the Chapter Secretary-Treasurer.
13. Schedule and preside over all Executive Committee meetings. Provide an agenda in advance to all who will be attending. The agenda should list topics to be covered, individuals responsible for addressing each topic, and approximate times to be devoted to discussing each topic. After the initial meeting, these may include telephone conference meetings.
14. Work with the President-elect and Secretary-Treasurer to prepare a budget to be submitted for discussion and approval at the Annual Meeting, at which the President-elect will assume office; and for approval at an Executive Committee Meeting no later than three months after the Annual Meeting.
15. Work with the Secretary-Treasurer to monitor the financial status of the Chapter. If cash reserves approach an upper limit of \$25,000, devise a plan to spend the surplus. If reserves approach a lower limit of \$12,000, put the Chapter on an austerity budget and begin fundraising in earnest.
16. Preside over the Annual Meeting, as needed (e.g., introductory remarks, introduce keynote speaker, introduce session chairs, make announcements).
17. Arrange and provide agenda for Chapter Annual Meeting; preside over meeting:
 - a. Adhere to agenda and time schedule.
 - b. Introduce any AFS and Division officers present and provide them with an opportunity to address the membership.
 - c. Introduce other guests.
 - d. Acknowledge work of your officers and committee chairpersons and members.
 - e. Install the new President; typically, the President-elect is escorted to the rostrum by two past- Presidents.

18. Acknowledge the work of your officers and committee chairpersons, by letter, at the end of your term.
19. Inform your successor of actions taken at the previous Northeast Division Executive Committee Meeting, and see that your successor gets Minutes of same.
20. Serve on the Chapter Executive Committee for an additional year as immediate past-President.
21. Prepare an agenda, and distribute prior to meeting.
22. Send out a separate mailing for the program in mid-December, and then include a notice with the final newsletter in January.
23. Send an invitation for the Annual Meeting to Northeast Division, Parent Society.

Calendar

Prior to Annual Meeting, at which you assume office -- to extent possible, identify committee chairpersons (see President-elect duties).

Prior to Annual Meeting, at which you assume office, develop budget for coming year in conjunction with Secretary-Treasurer and outgoing President (see President-elect duties).

At Annual Meeting, assume office and present your budget for discussion.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of committee activities.

By one month after Annual meeting, complete committee chairperson appointments and communicate to Division Secretary.

By three months after Annual Meeting, conduct initial meeting of Chapter Executive Committee, and present budget for final approval.

Summer -- second meeting of Executive Committee.

Fall -- Executive Committee Meeting if business warrants; assist President-elect with developing budget for his/her term of office.

Annual Meeting -- final Executive Committee Meeting and Annual Business Meeting; preside over meeting.

At each meeting, the Executive Committee should vote to approve Minutes of prior meeting.

At the first Executive Committee Meeting following the Annual Meeting, vote to approve the previous year's budget.

In alternate years, vote for election of Secretary-Treasurer.

EXECUTIVE COMMITTEE

VOTE
NON-VOTE

The Executive Committee (EXCOMM) consists of the Chapter officers (President, President-elect, Secretary-Treasurer, Secretary-Treasurer-elect) and the immediate Past-President. The chairpersons of standing committees (Audit/Finance, Environmental Concerns, Membership, Nominating, Program, and Resolutions) and ad hoc committees (Professional Incentives, Newsletter, Workshop, Student Subunit, and Professional Diversity committees currently) shall be non-voting members of the EXCOMM.

Primary Responsibilities

The EXCOMM is authorized to act for the Chapter between meetings. In so doing, the EXCOMM is responsible for monitoring and directing Chapter activities, as charged by the membership at Annual Business Meetings. The Chapter President presides over all EXCOMM Meetings and provides a meeting agenda in advance.

Calendar

No more than three months after Annual Meeting, initial organizational meeting and final approval of the President's proposed budget.

Summer -- second meeting.

Fall -- meeting or conference call, if business warrants.

Immediately prior to Annual Meeting, summary meeting; review incoming President's proposed budget for discussion.

SECRETARY-TREASURER

Primary Responsibilities

1. Maintain Chapter membership records, including a membership roster and record of payment of dues. Prepare the annual membership directory by 1 June. Include as current members in good standing those for whom dues have been paid for at least the previous calendar year. Only current members in good standing are eligible to vote.
2. Obtain a special third class mailing permit. Mail all newsletters, announcements and correspondence as prepared by the newsletter editor, the Workshop Committee and others, as appropriate. The routing mailing list should include all current members in good standing and the Executive Secretary of the Society, the President and Secretary of the Northeast Division, and the Presidents of all the Chapters within the Northeast Division.
3. Prepare and retain Minutes of all official meetings, and retain Chapter records in good order. Copies of Minutes are to be distributed to Executive Committee members. Approved copies of Minutes are to be distributed to the President of the Northeast Division. A copy of the Minutes of the Annual Meeting should be furnished to the Executive Director and the Secretary and President of the Northeast Division within 30 days after the meeting.
Approved min! →
Conflict! →
no approval till next Excom
4. Collect and be custodian of Chapter funds. Use the Federal Employer's Identification number assigned to the Chapter, in lieu of a Social Security number. Deposit Chapter funds in an interest-bearing account. Disburse funds as authorized by the Executive Committee or Chapter membership.
5. Notify the membership of the Annual Meeting at least two months in advance. Notification should be sent by First Class mail to assure prompt delivery. The Executive Secretary and President of the Society, and the President and Secretary of the Northeast Division should be informed of the Annual Business Meeting.
6. Keep a supply of Chapter bylaws on hand, and be familiar with their content. Forward proposed amendments to the bylaws promptly to the Executive Director for action by the Executive Committee of the Society.
7. Maintain a supply of information brochures about the Chapter and the Society, and make copies available to anyone who requests them.
8. Order a Past-President's Certificate from the Society office at least six weeks prior to the Annual Meeting. Order "Best Paper" and other award materials, as directed by EXCOMM or Program Committee chairperson.

← Laine Hutchcraft Ext 201 AFS-President -
(301) 897-8616

9. Prepare registration materials for the Annual Meeting, and register attendees starting on the evening preceding scheduled sessions and as needed throughout the meeting. Furnish receipts when requested. Supervise student assistants at the Annual Meeting.
10. Submit financial reports, including reports of receipts and disbursements. Informal, verbal reports are to be made at Executive Committee meetings. A formal, written report is to be provided at Annual Meeting. Cooperate with the Audit/Finance Committee in an annual review of the books. Prepare annual budget proposal, with rough draft to the EXCOMM at least six weeks before the Annual Meeting.
11. Ascertain if there is a quorum present for official actions, and furnish ballots for elections.
12. Submit copies of Chapter resolutions promptly to the Executive Director and the Northeast Division Secretary. Indicate those for which Division and Society support is requested.
13. Serve as voting member of EXCOMM.
14. Orient the Secretary-Treasurer-elect to the responsibilities of the office.
15. Assist Membership Committee chairperson in keeping track of membership status for reports at EXCOMM meetings and Annual Meeting.

Calendar

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of committee activities.

At least two months prior to Annual Meeting, notify membership of the meeting; assist in preparing annual budget proposal for EXCOMM, to be submitted by the new President at the Annual Meeting, at which he or she is installed.

Six weeks prior to Annual Meeting, order Past-President's Certificate and award materials; distribute President-elect's draft budget to EXCOMM.

Prior to Annual Meeting, prepare annual financial report and review with Audit/Finance Committee. Prepare meeting registration materials and ballots.

At Annual Meeting, register attendees; provide financial report; take Minutes; supervise student assistants; etc.

At EXCOMM meetings, provide fiscal update; take Minutes; distribute Minutes in timely fashion.

During last year in office, orient the Secretary-Treasurer-elect.

Update and distribute Chapter directory to membership every 2 years.

SECRETARY-TREASURER-ELECT

Primary Responsibilities

1. Develop with Secretary-Treasurer appropriate orientation activities and responsibilities to prepare you for assumption of that role.
2. Attend EXCOMM meetings as a voting member.
3. During year as "elect", record Minutes of EXCOMM meetings and submit to Secretary-Treasurer for distribution to EXCOMM members.
4. Before assuming Secretary-Treasurer position, arrange to transfer file, financial accounts, and mailing permits.

PRESIDENT-ELECT

Primary Responsibilities

1. Serve as voting member of EXCOMM.
2. Serve as Membership Committee chairperson.
3. Serve as Program Committee member.
4. Assume duties of President, if he/she is unable to act.
5. At least six weeks prior to the Annual Meeting, at which you will be installed as President, work with Secretary-Treasurer and current President to develop a proposed annual budget. Submit the budget to EXCOMM for discussion at the Annual Meeting. Donations should be planned for the year as a line item, and expenses for the President (or designate) to represent the Chapter at AFS National or Division meetings should be included as a line item. The Annual Meeting should also be included as a line item.
6. Review and revise the action agenda for the Chapter by the second EXCOMM Meeting in which you participate.
7. Take the lead role in fundraising activities (i.e., raffle, t-shirt sales, etc.).

Calendar

By second EXCOMM Meeting, revise Chapter's action agenda.

At least six weeks prior to Annual Meeting, submit proposed budget to EXCOMM.

Prior to Annual Meeting, identify new committee chairpersons, to extent possible.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of committee activities.

MEMBERSHIP COMMITTEE

Primary Responsibilities

1. President-elect serves as chairperson and appoints committee members, as appropriate (or may serve as sole committee member).
2. Serves as primary contact for prospective members.
3. Reviews with Secretary-Treasurer the status of membership to assess current trends.
4. Develops specific recruitment strategies, as appropriate.
5. Contacts new Society members in New York, as reported by Northeast Division or through other means.
6. With assistance of Secretary-Treasurer, reports membership status at EXCOMM meetings and Annual Meeting.

Calendar

At first EXCOMM Meeting, prepare membership analysis as basis for discussing objectives and strategies.

Throughout year, contact prospective members; submit newsletter articles, as appropriate.

At each EXCOMM Meeting, submit oral and/or written progress report, as required.

Annual Meeting -- summary report to EXCOMM.

PROGRAM COMMITTEE (Annual Meeting)

Primary Responsibilities

1. Organize and coordinate keynote and invited speaker presentations for the program of the Annual Meeting. Coordinate with President regarding who will make announcements and do introductions. Typically, the President presides over all sessions.
2. Organize and conduct paper and poster presentations and recognition awards for the Annual Meeting.
3. Arrange for meeting-rooms, lodging, and meals at Annual Meeting. Coordinate activities and announcements at Annual Meeting.

[NOTE: Because of the diverse nature of the Committee's responsibilities, a co-chairperson system was initiated on a trial basis for 1991-92. This system calls for one co-chair to be responsible for program areas (1 & 2 above), and one co-chair to be responsible for meeting logistics (3 above).]

Calendar

At each EXCOMM meeting, submit oral and/or written progress reports, as required.

Ten months prior to Annual Meeting, establish site and confirm dates for Annual Meeting. It is helpful if this is accomplished prior to the year's first EXCOMM Meeting. Appoint committee members. Responsibilities include logistics, awards program, invited speaker arrangements, contributed paper and poster abstract review and arrangements, liaison with student Chapter, and program/abstract handout preparation.

Seven months prior to Annual Meeting, establish fee structure for Annual Meeting, based on contract with meeting site establishment and target budget established in conjunction with EXCOMM. Establish meeting theme(s), in consultation with Executive Committee, and identify potential list of invited speakers.

Five months prior to Annual Meeting, confirm Annual Meeting dates with invited speakers. First call for papers advertised in Fall (September) newsletter (check with newsletter editor for submission deadline). Include paper/poster recognition and awards procedures. Fee structure finalized. General announcement of Annual Meeting site, theme, rates, etc. developed and included in September newsletter. Announcement advertised in AFS, Northeast Division, and other AFS subunit newsletters.

Two months prior to Annual Meeting, initiate invited speaker lodging and transportation arrangements. Develop meeting agenda to be included in December newsletter, along with second call for papers. Start review of submitted papers/posters.

One month prior to Annual Meeting, finalize review of submitted paper/poster abstracts. Develop contributed paper/poster agendas, based on this review. Provide directions on paper and poster presentation preparation to those authors selected to participate to ensure high quality. Solicit awards for poster/paper recognition.

Three weeks prior to Annual Meeting, visit meeting site to confirm all plans and arrangements. Organize and conduct Program Committee Meeting prior to Annual Chapter Meeting to identify and arrange final logistical needs, such as recruitment of student assistants and equipment. Appoint award judges, and prepare rating materials. Finalize meeting agenda and have printed for distribution at Annual Meeting, along with abstracts for invited papers and contributed papers and posters.

At Annual Meeting, oversee registration and all sessions of the meeting, working as liaison with site establishment staff to address/correct any problems which arise. Provide brief Program Committee report at Chapter Annual Meeting. Together with Secretary-Treasurer, review billing documents immediately following Annual Meeting.

One month after Annual Meeting, provide report of expenses relative to planned budget to the EXCOMM by the first meeting. Prepare proposed Annual Meeting budget for the next year for discussion by EXCOMM. Report suggested improvements to EXCOMM for the following year.

WORKSHOP COMMITTEE

Primary Responsibilities

1. Under guidance of EXCOMM, develop and conduct an educational workshop(s) separate or in conjunction with the Annual Meeting. If the workshop is to be in conjunction with the Annual Meeting, coordinate regarding schedules, logistics, fees, and topics with Program Committee.
2. Solicit workshop topic ideas from Chapter members, and select an appropriate topic(s) with guidance from EXCOMM.
3. Develop workshop content, format, and logistical needs.
4. Arrange publicity.
5. Conduct event.
6. Evaluate event.
7. Make specific recommendations to EXCOMM and future workshop committees.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Twelve months prior to workshop, gain specific subject matter guidance from EXCOMM; appoint primary committee members.

Eight months prior to workshop, make initial logistical contacts for conference facilities and workshop "instructors".

Six months prior to workshop, finalize specific arrangements including lodging, schedule, arrangements, publicity plans; submit a short introductory article to the newsletter.

Four months prior to workshop, advertise workshop and registration procedures to Chapter members and others.

One month prior to workshop, reminder to all Chapter members and others.

One month after workshop, provide final report, evaluation, and recommendations to the EXCOMM and to the newsletter.

NEWSLETTER COMMITTEE

Primary Responsibilities

1. Solicit, collate, edit, and arrange for the reproduction and distribution of the Chapter newsletter. Coordinate with the Secretary-Treasurer regarding procedures for copying and distribution. Frequency of publication is determined under guidance of EXCOMM, but typically involves a minimum of three issues per year.
2. Evaluate effectiveness of the newsletter and report to EXCOMM and Chapter membership.
3. Include in newsletter content primary Chapter business and informative current developments or professional resources. The former would include workshop and Annual Meeting announcements, business meeting Minutes, election information, committee reports or requests, draft resolutions, etc.
4. Maintain communications with EXCOMM and other committee chairpersons, especially to remind them when newsletter deadlines are approaching, and seek their contributions to the newsletter.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Dates are tentative and serve as a general guide. Important information often can be added shortly before duplication, which is usually one week before distribution. Example content assumes a late-January Annual Meeting.

- (1) Copy due date 28 February for Distribution date 31 March. This issue normally includes the Annual Meeting Minutes and other reports from that meeting.
- (2) Copy due date 31 July for Distribution date 31 August. This issue normally contains the first, brief publicity about upcoming Annual meeting events to aid members' preparations.
- (3) Copy due date 30 November for Distribution date 31 December. This issue normally contains Annual Meeting program, registration information, and candidate background information for the elections to be held at the Annual Meeting.

RESOLUTIONS COMMITTEE

Primary Responsibilities

1. Monitor current events and development that warrant Chapter comment, support, or action. Resolutions are formal expressions of the views of the membership. Typically, there are two types of resolutions:
 - (1) Internal - recognizing achievements of members of other organizations or addressing operations of the Chapter.
 - (2) External - expressing Chapter views on matters of significance to the State's fishery resources.
2. Maintain communication with EXCOMM and other committee chairpersons, particularly the chair of the Environmental Concerns Committee.
3. Develop draft resolution statements, according to current "Roberts Rules of Order".
4. Communicate draft resolution statements through Chapter newsletter and discussion at Annual Meeting.
5. For matters needing fast attention, submit draft resolutions to the EXCOMM rather than the entire membership. The EXCOMM can act on behalf of the membership between Annual Meetings. When this process is used, be sure to inform the membership via the Chapter newsletter. These should be noted as resolutions from the EXCOMM, not from the entire Chapter membership.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required, and any draft resolutions.

At least one month prior to each newsletter deadline, draft any resolutions that are to be included in the newsletter for review by EXCOMM.

Prior to Annual Meeting, distribute via newsletter or other method any resolutions that are to be discussed and voted upon at the Annual Meeting.

PROFESSIONAL INCENTIVES COMMITTEE

Primary Responsibilities

1. Develop, initiate, and review Chapter activities considered by EXCOMM to provide or enhance professionalism among Chapter members.
2. Specific proposals developed by the Committee will be subject to the review and approval of EXCOMM and Chapter membership.
3. Monitor the various awards the Chapter gives out and make nominations for each, as appropriate (i.e., Honorary Member, Professional Achievement). Such nominations must be reviewed by EXCOMM before submitting them for final Chapter membership vote.
4. Develop a Conservation Award for non-Chapter members.

Conservation Award?
↳ non-profit
↳ outside

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of committee activities.

At least four weeks prior to Annual Meeting, submit final nominee credentials for awards to EXCOMM.

Variable, depending on charge.

Timing

- DEC 99: Comm. make recomm to EXCOMM
- JAN 00: Membership vote
- JAN 01: AWARD

ENVIRONMENTAL CONCERNS COMMITTEE

Primary Responsibilities

1. Monitor current environmental legislation and policy developments that warrant Chapter comment. According to the desires of the Committee, the Committee can be responsive to legislation and policy proposed by others or can be pro-active in suggesting new ideas for environmental policy and management. New, pro-active initiatives should be cleared with EXCOMM before undertaken to make sure the Chapter's tax exempt status is not endangered.
2. Provide timely Chapter comment on important environmental legislation, policies, and procedures. If issue significance warrants and time allows, work with Resolutions Committee to draft a resolution for membership consideration and Chapter resolution at Annual Meeting. If relatively quick response is needed, submit draft response to President and/or EXCOMM for review and possibly to Resolutions Committee to draft an EXCOMM resolution. If immediate response is needed, submit response after Environmental Concerns Committee review. Contact the Chapter President regarding questions of protocol or propriety.
3. Provide update information to membership through newsletter and reports at Annual Meeting.
4. Committee may reach beyond the confines of Chapter membership to take an active public education role on issues of concern. Outreach activities to audiences other than Chapter membership should occur with the guidance of EXCOMM.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of committee activities.

Variable regarding other duties.

NOMINATING COMMITTEE

Primary Responsibilities

1. The past-President serves as committee chairperson and shall appoint at least one additional member to the Committee.
2. The Committee must identify at least two willing and capable candidates for each office, as follows:
 - (1) President-elect: annually
 - (2) Secretary-Treasurer: biannually

Selection of candidates is done in consultation with and subject to the approval of EXCOMM.

3. Conduct of elections, including absentee balloting, should be conducted according to accepted procedures, as outlined in current "Roberts Rules of Order".

Calendar

Six months prior to Annual Meeting, identify committee members.

Five months prior to Annual Meeting, identify slate of candidates and collect biographical summaries for inclusion in newsletter and distribution at Annual Meeting; include directions for absentee balloting.

At Annual Meeting, conduct elections, including absentee ballot tallying, if appropriate.

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

AUDIT/FINANCE COMMITTEE

Primary Responsibilities

1. Review with Secretary-Treasurer the status of Chapter financial accounts for report at Annual Meeting.
2. Assess and verify accuracy of Chapter financial records.
3. Advise Secretary-Treasurer on investment of Chapter cash reserves.
4. Upon specific charge of the EXCOMM, review and develop (if necessary) a new, long-range financial strategy in conjunction with a Cash Reserves Committee chosen by the EXCOMM.

Calendar

Prior to or at Annual Meeting, review financial records with Secretary-Treasurer.

At Annual Meeting, present audit report.

Every five years, review Chapter's financial status.

STUDENT SUBUNIT

The general purpose of the Student Subunit is to facilitate communications among student members regarding fisheries science issues and to perform activities that advance the training of students in fisheries science. The Student Subunit has its own president, vice-president, secretary, and treasurer. Activities of the subunit are under the direction of a faculty advisor who is a member of the Chapter.

Primary Responsibilities

1. Elect officers of the subunit.
2. Encourage subunit participation of fisheries students at all colleges and universities in the State.
3. Provide a representative to participate in Chapter EXCOMM meetings as a non-voting member.
4. Perform group activities that will promote and enhance the education of fisheries students in the State.
5. Report on subunit activities in the Chapter newsletter and at Chapter meetings.
6. Encourage participation of subunit members in Chapter, Division, and Society activities.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of subunit activities.

Variable schedule for other activities.

PROFESSIONAL DIVERSITY COMMITTEE

Primary Responsibilities

1. Implement the recommendations included in the "Tri-Society Committee on the Status of Women and Minorities in Natural Resources, Final Report (December 1989)". Priorities may be chosen from the following:
 - (1) Expand and propose for Chapter adoption the statement of values and benefits of cultural, racial, and sexual diversity contained in the report.
 - (2) In conjunction with the Membership Committee, develop guidelines for recruiting activities including sources of women and minority candidates and types of presentations to make.
 - (3) Develop recommendations for ways of providing support systems (networking) and mentoring systems for nontraditional professionals. Encourage establishment of support systems in Chapter.
 - (4) Develop Chapter statements on sexual/racial harassment.
 - (5) Develop recommendations for how to diversity Chapter leadership.
 - (6) Develop guidelines for actively involving spouses and partners in Chapter meetings.
 - (7) Suggest draft resolutions to Chapter Resolutions Committee, focusing on professional diversity concerns.
 - (8) Implement strategies for providing women, minorities, and urban students opportunities to acquire technical and professional skills to succeed.
2. Continually assess and characterize the status of women and minorities in the fisheries professions and education systems in the State and to report any associated issues or recommendations to the Chapter for consideration and action.
3. Make recommendations to the EXCOMM regarding activities that may be appropriate for other Chapter committees to undertake in order to achieve professional diversity goals.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of subunit activities.

Variable schedule for other activities.

PAST-PRESIDENT

Primary Responsibilities

1. Forward all appropriate incoming correspondence to the attention of the new Chapter President.
2. Chair the Nominating Committee.
3. Serve as a voting member of the Executive Committee.
4. Update and distribute the Policy and Procedures Manual to all EXCOMM members at the first EXCOMM Meeting following the Annual Meeting.
5. Provide the incoming President with the revised version of the Policy and Procedures Manual in an acceptable software format.

YOUTH EDUCATION COMMITTEE

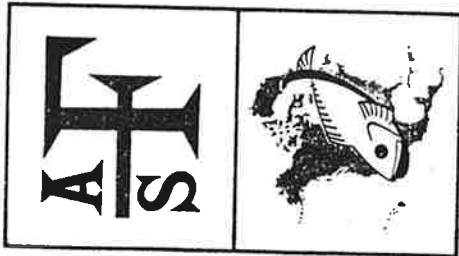
Primary Responsibilities

1. Become an active committee within the NYC-AFS by soliciting committee members, promoting Aquatic Resource Education (ARE) via poster sessions and workshops, and encouraging ARE stewardship to youth among all Chapter members.
2. Become familiar with the activities of the AFS National Youth Education Committee and bring these concepts to New York State.
3. Participate in the annual review of the New York State Sportfishing Aquatic Resources Education Program (SAREP).
4. Compile and make available aquatic resource education programs currently implemented in schools and outside fishing clinics.
5. Encourage AFS members to initiate personal contacts with a local school, and present ARE topics and activities to a teacher and class.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of subunit activities.



The
AMERICAN FISHERIES SOCIETY
hereby recognizes the
New York Chapter

as officially and duly chartered by the parent society

The American Fisheries Society, the oldest professional society in North America dealing with the natural resources, was organized in 1870. Among its objectives are conservation, development and wise utilization of the fisheries, promotion of the educational, scientific, and technological development and advancement of all branches of fisheries science and practice, and exchange and dissemination of knowledge about fish, fisheries, and related subjects.



President *R. Brown*

Executive Secretary *Robert F. Hutton*

Date of Charter

March 12, 1968

*Bylaws
 NYCAFS*

ORIGINAL

*"Original"
 as of June 68
 Best that it could do!*

BYLAWS OF THE NEW YORK CHAPTER OF THE AMERICAN FISHERIES SOCIETY

SECTION 1. NAME AND OBJECTIVES

1. THE NAME OF THIS ORGANIZATION SHALL BE THE NEW YORK CHAPTER OF THE AMERICAN FISHERIES SOCIETY, HEREINAFTER REFERRED TO AS THE CHAPTER.
2. THE OBJECTIVES OF THE CHAPTER SHALL BE THOSE OF THE AMERICAN FISHERIES SOCIETY AS SET FORTH IN ARTICLE 1 OF ITS CONSTITUTION, AND TO ENCOURAGE THE EXCHANGE OF INFORMATION BY MEMBERS OF THE SOCIETY RESIDING WITHIN THE STATE OF NEW YORK.

SECTION 2. MEMBERSHIP AND DUES

1. THE MEMBERSHIP OF THE CHAPTER SHALL BE OF THE FOLLOWING CLASSES:
 - A. MEMBER: ACTIVE MEMBERS OF THE AMERICAN FISHERIES SOCIETY IN GOOD STANDING, UPON ENROLLMENT IN THE CHAPTER, SHALL BE ELIGIBLE TO VOTE.
 - B. HONORARY MEMBER: PERSONS WHO, BY REASON OF OUTSTANDING SERVICE TO THE CHAPTER OR OFFICIAL POSITION, SHALL BE ELIGIBLE FOR ELECTION AS AN HONORARY MEMBER UPON NOMINATION BY TWO OR MORE CHAPTER MEMBERS IN GOOD STANDING, AND A 2/3 VOTE OF THE MEMBERS PRESENT AT AN ANNUAL MEETING. THERE SHALL BE TWO CLASSES OF HONORARY MEMBERSHIP:
 - (1) DISTINGUISHED SERVICE AND (2) EXOFFICIO. HONORARY MEMBERS SHALL BE ENTITLED TO ALL RIGHTS AND PRIVILEGES OF MEMBERS, EXCEPT THAT EXOFFICIO MEMBERS SHALL NOT VOTE OR HOLD OFFICE.
2. ANNUAL DUES FOR MEMBERS SHALL BE TEN DOLLARS(\$10), EXCEPT THAT DUES FOR FULL-TIME STUDENTS SHALL BE FIVE DOLLARS(\$5). HONORARY MEMBERS WILL NOT BE REQUIRED TO PAY DUES. DUES OF NEW MEMBERS SHALL BE PAYABLE WHEN APPLICATION FOR MEMBERSHIP IS ACCEPTED. MEMBERSHIPS NOT PAID ON OR BEFORE JULY 1 SHALL BE CONSIDERED LAPSED AND THOSE PERSONS SHALL NOT RECIEVE PUBLICATIONS OF THE CHAPTER AND SHALL FORFEIT ALL RIGHTS AND PRIVILEGES OF MEMBERSHIP AS LONG AS DUES ARE UNPAID.

SECTION 3. MEETINGS

THE CHAPTER SHALL HOLD AT LEAST ONE MEETING ANNUALLY AT THE TIME AND PLACE DESIGNATED BY THE EXECUTIVE COMMITTEE. NOTICE OF THE ANNUAL MEETING OF THE CHAPTER SHALL BE MAILED TO EACH MEMBER AT LEAST ONE MONTH BEFORE THE DATE OF SUCH MEETING. BUSINESS SHALL BE CONDUCTED IN ACCORDANCE WITH PROVISIONS OF THESE BYLAWS, AND/OR ROBERT'S RULES OF ORDER IN THE ABSENCE

OF SPECIFIC GUIDELINES. THE PROGRAM SHALL BE THE RESPONSIBILITY OF THE PROGRAM COMMITTEE.

SECTION 4. OFFICERS

THE OFFICERS OF THE CHAPTER SHALL CONSIST OF A PRESIDENT, PRESIDENT-ELECT, SECRETARY-TREASURER, AND SECRETARY-TREASURER-ELECT.

THE PRESIDENT-ELECT AND THE SECRETARY-TREASURER-ELECT SHALL BE ELECTED AT THE ANNUAL MEETING. THE SECRETARY-TREASURER SHALL HOLD OFFICE FOR TWO YEARS, BUT THE TERM OF THE OTHER OFFICERS SHALL BE ONE YEAR. THE SECRETARY-TREASURER-ELECT SHALL BE ELECTED IN ALTERNATE YEARS. IN CASE OF A VACATED POSITION, THE EXECUTIVE COMMITTEE SHALL APPOINT A QUALIFIED REPLACEMENT TO FILL AN UNEXPIRED TERM. THE INCUMBENT (NOT NEWLY ELECTED) PRESIDENT-ELECT AND SECRETARY-TREASURER-ELECT SHALL SUCCEED TO THE OFFICE OF PRESIDENT AND SECRETARY-TREASURER, RESPECTIVELY AT THE EXPIRATION OF THE TERMS OF THOSE OFFICERS.

IN THE EVENT OF A CANCELLATION OF AN ANNUAL MEETING AT WHICH ELECTION OF OFFICERS WAS SCHEDULED, THE OFFICERS AND THE MEMBERS OF ANY COMMITTEE SHALL CONTINUE TO SERVE UNTIL THE NEXT SCHEDULED MEETING.

SECTION 5. DUTIES OF OFFICERS

THE PRESIDENT OF THE CHAPTER SHALL PRESIDE AT ALL MEETINGS, SERVE AS CHAIRPERSON AT THE EXECUTIVE COMMITTEE, REPRESENT THE CHAPTER ON THE NORTHEAST DIVISION EXECUTIVE COMMITTEE AND IN THE AMERICAN FISHERIES SOCIETY, MAKE APPOINTMENTS AND PERFORM OTHER DUTIES AND FUNCTIONS AS ARE AUTHORIZED AND NECESSARY. THE CHAPTER SHALL REIMBURSE THE PRESIDENT OF THE CHAPTER, OR AN ALTERNATE DESIGNATED BY THE PRESIDENT, FOR BUDGETED EXPENSES ASSOCIATED WITH ATTENDANCE AT THE EXECUTIVE COMMITTEE MEETINGS HELD DURING THE ANNUAL AMERICAN FISHERIES SOCIETY MEETING, AND THE EXECUTIVE COMMITTEE MEETINGS OF THE NORTHEAST DIVISION. A BUDGET FOR THESE EXPENSES SHALL BE PROPOSED BY THE CHAPTER PRESIDENT AND APPROVED BY THE CHAPTER EXECUTIVE COMMITTEE.

THE PRESIDENT-ELECT SHALL BE CHAIRPERSON OF THE MEMBERSHIP COMMITTEE AND MEMBER OF THE PROGRAM COMMITTEE, AND SHALL ASSUME THE DUTIES OF THE PRESIDENT IF THE LATTER IS UNABLE TO ACT.

THE SECRETARY-TREASURER SHALL KEEP THE OFFICIAL RECORDS OF THE CHAPTER, SUBMIT A COPY OF THE MINUTES OF THE ANNUAL BUSINESS MEETING TO THE EXECUTIVE DIRECTOR OF THE SOCIETY AND THE SECRETARY-TREASURER OF THE NORTHEASTERN DIVISION WITHIN 30 DAYS AFTER SAID MEETING; AND COLLECT AND BE CUSTODIAN OF CHAPTER FUNDS, DISBURSE FUNDS AS AUTHORIZED BY THE EXECUTIVE

DISBURSEMENTS AT THE ANNUAL MEETING, AND PERFORM SUCH DUTIES AS MAY BE REQUESTED BY THE EXECUTIVE DIRECTOR OF THE AMERICAN FISHERIES SOCIETY AND OFFICERS OF THE NORTHEASTERN DIVISION.

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THE EXECUTIVE COMMITTEE SHALL CONSIST OF THE CHAPTER OFFICERS (PRESIDENT, PRESIDENT-ELECT, SECRETARY-TREASURER, SECRETARY-TREASURER-ELECT) AND THE IMMEDIATE PAST-PRESIDENT. THE CHAIRPERSONS OF STANDING COMMITTEES AND AD HOC COMMITTEES SHALL BE NON-VOTING MEMBERS OF THE EXECUTIVE COMMITTEE. THE EXECUTIVE COMMITTEE IS AUTHORIZED TO ACT FOR THE CHAPTER BETWEEN MEETINGS AND TO PERFORM APPROPRIATE DUTIES AND FUNCTIONS.

SECTION 7. CHAPTER COMMITTEES

CHAIRPERSONS OF COMMITTEES, EXCEPT AS LISTED IN SECTIONS 5 AND 6, SHALL BE APPOINTED BY THE PRESIDENT. COMMITTEE MEMBERS SHALL BE CHOSEN BY THE RESPECTIVE COMMITTEE CHAIRPERSONS. STANDING COMMITTEES SHALL INCLUDE: AUDITING, ENVIRONMENTAL CONCERNS, MEMBERSHIP, NOMINATING, PROGRAM, AND RESOLUTIONS. THE NOMINATING COMMITTEE WILL BE CHAIRED BY THE IMMEDIATE PAST-PRESIDENT AND THE SELECTION OF NOMINEES FOR OFFICE BY THE NOMINATING COMMITTEE WILL BE DONE IN CONSULTATION WITH, AND SUBJECT TO, THE APPROVAL OF THE EXECUTIVE COMMITTEE.

THE COMMITTEES SHALL BE COMPOSED OF THE CHAIRPERSON AND ANY OTHER MEMBERS IN GOOD STANDING SELECTED BY THE CHAIRPERSON. THE COMMITTEES SHALL AID THE PRESIDENT IN THE OPERATION OF CHAPTER BUSINESS AND ACTIVITIES. THE PRESIDENT SHALL DIRECT THEM IN THEIR DUTIES. THEY MAY ALSO BE DIRECTED BY VOTE OF THE MEMBERSHIP AT AN ANNUAL MEETING.

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DECISIONS AT MEETINGS OF THE CHAPTER SHALL BE BY A MAJORITY OF THOSE VOTING, EXCEPT THAT AMENDMENTS TO THE BYLAWS REQUIRE A 2/3 MAJORITY, AND EXCEPTED FURTHER, THE ELECTION OF HONORARY MEMBERS AND RECIPIENTS OF THE PROFESSIONAL ACHIEVEMENT AWARD REQUIRE A 2/3 MAJORITY VOTE. ANY MEMBER IN GOOD STANDING WHO CANNOT ATTEND A MEETING MAY REQUEST THE EXECUTIVE COMMITTEE IN WRITING TO REGISTER A VOTE ON A PREVIOUSLY PUBLISHED QUESTION AND SUCH A VOTE SHALL BE

COUNTED WITH THE VOTES OF MEMBERS PRESENT. SUCH VOTES SHALL NOT BE USED TO DETERMINE A QUORUM. PROXY VOTES MUST BE RECEIVED BY THE SECRETARY-TREASURER BEFORE THE ANNUAL MEETING AT WHICH THE VOTE IS TAKEN.

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THE EXECUTIVE COMMITTEE MAY ASSESS EACH REGISTRANT ATTENDING MEETINGS OF THE CHAPTER A REGISTRATION FEE NECESSARY TO COVER THE COSTS OF THE MEETING AND CHAPTER ACTIVITIES. COLLECTIONS SHALL BE MADE BY THE SECRETARY-TREASURER OR A REPRESENTATIVE APPOINTED BY THAT OFFICER.

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THE BYLAWS OF THE CHAPTER MAY BE AMENDED IN ACCORDANCE WITH SECTION 8 OF THESE BYLAWS, PROVIDED THAT PRIOR NOTICE OF AT LEAST 30 DAYS BE GIVEN TO THE MEMBERSHIP OF THE PROPOSED CHANGE(S). SAID CHANGE(S) MUST BE APPROVED BY THE EXECUTIVE COMMITTEE OF THE SOCIETY BEFORE TAKING EFFECT.

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A COMMITTEE APPOINTED BY THE EXECUTIVE COMMITTEE SHALL NOMINATE AS APPROPRIATE, A CANDIDATE WHOSE DISTINGUISHED PROFESSIONAL ACCOMPLISHMENTS ARE DESERVING OF RECOGNITION BY HIS/HER PEERS. NOMINATIONS WILL BE SUBMITTED TO THE EXECUTIVE COMMITTEE FOR REVIEW AND FINAL SELECTION BEFORE BEING SUBMITTED TO THE MEMBERSHIP FOR ELECTION BY 2/3 VOTE OF THE MEMBERS PRESENT AT AN ANNUAL MEETING. THIS AWARD SHALL BE DISTINGUISHED FROM THE HONORARY MEMBERSHIP AWARD IN THAT IT WILL BE PRESENTED TO ACTIVE PROFESSIONALS FOR ACHIEVEMENTS JUDGED AS OUTSTANDING BY FELLOW FISHERIES PROFESSIONALS, RATHER THAN FOR OUTSTANDING SERVICE TO THE CHAPTER OR OFFICIAL POSITION.

(REVISIONS OF THE NEW YORK CHAPTER BYLAWS RECEIVED EXECUTIVE COMMITTEE, AMERICAN FISHERIES SOCIETY, APPROVAL IN SEPTEMBER, 1991, AND APPROVAL BY THE CHAPTER MEMBERSHIP AT THE ANNUAL BUSINESS MEETING OF JANUARY 31, 1992.)

CONSTITUTION, BYLAWS, AND STANDING RULES OF THE AMERICAN FISHERIES SOCIETY

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In the cross-referencing notation, A = Article, B = Bylaw, and R = Rule.

ARTICLE I

Names and Objectives.

1. The name of the corporation is the AMERICAN FISHERIES SOCIETY, hereinafter called the SOCIETY. The term "Society" refers to the corporation as a whole and to its central functions and products; except in the aggregate, it does not refer to the corporation's organizational subunits or to their functions or products.

2. The Society's objectives are to:

(a) promote the conservation, development, and wise use of the fisheries;

(b) promote and evaluate the development and advancement of all branches of fisheries science and practice;

(c) gather and disseminate to Society members and the general public scientific, technical, and other information about fisheries science and practice through publications, meetings, and other forms of communication;

(d) encourage the teaching of fisheries science and practice in colleges and universities and the continuing professional development of fisheries workers.

3. (a) The Society may undertake any lawful activity to administer its affairs and attain its objectives, alone or in conjunction with others, except as proscribed in paragraph 1.3.(b).

(b) The Society may not undertake any activity that would cause it to lose its exemption from United States Federal taxation as provided by Section 501 (c) (3) of the Internal Revenue Code of 1954, in that Section's present or future form.

A CENTURY OF FISHERIES
 ACT OF INCORPORATION
 OF THE
 AMERICAN FISHERIES SOCIETY

We, the undersigned, persons of full age and citizens of the United States, and a majority being citizens of the District of Columbia, pursuant to and in conformity with sections 599 to 603, inclusive, of the Code of Law for the District of Columbia, enacted March 3, 1901, as amended by the Acts approved January 31 and June 30, 1902, hereby associate ourselves together as a society or body corporate and certify in writing:

1. That the name of the society is the AMERICAN FISHERIES SOCIETY.
2. That the term for which it is organized is nine hundred and ninety-nine years.
3. That its particular business and objects are to promote the cause of fish culture; to gather and diffuse information bearing upon its practical success, and upon all matters relating to the fisheries; to unite and encourage all interests of fish culture and the fisheries; and to treat all questions of a scientific and economic character regarding; with power:
 - a. To acquire, hold and convey real estate and other property, and to establish general and special funds.
 - b. To hold meetings.
 - c. To publish and distribute documents.
 - d. To conduct lectures.
 - e. To conduct, endow, or assist investigation in any department of fishery and fish-cultural science.
 - f. To acquire and maintain a library.
 - g. And, in general, to transact any business pertinent to a learned society.
4. That the affairs, funds, and property of the corporation shall be in general charge of a Council, consisting of the officers and the executive committee, the number of whose members for the first year shall be seventeen, all of whom shall be chosen from among the members of the society.

Witness our hands and seals this 15th day of December, 1910.

Seymour Bower
 Theo. Gill
 William E. Meehan
 Theodore S. Palmer
 Bertrand H. Roberts
 Hugh M. Smith
 Richard Sylvester

Recorded April 11, 1911 as instrument 680013 in Incorporation Liber 28 as Folio 211, Office of Recorder of Deeds, Corporation Division, Washington, District of Columbia.

ST-119 (1/87) State of New York - Department of Taxation and Finance - Exempt Organization Section, Taxpayer Assistance Bureau

EXEMPT ORGANIZATION CERTIFICATE

The organization named below is exempt from payment of the New York State and local sales and use tax.

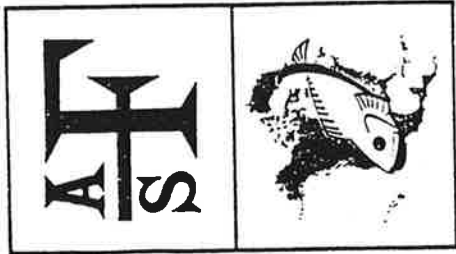
The number shown on this certificate must be entered on any Exempt Organization Certification (ST-119.1) presented to a vendor. If this certificate is lost or destroyed, you may obtain a replacement by notifying the Taxpayer Assistance Bureau.

This certificate does not require renewal and will remain in effect unless it is revoked or cancelled. Exempt status may be revoked for any reason constituting misuse of the authority granted under this certificate.

American Fisheries Society
New York Chapter
207 Genesee Street
Utica, NY 13501

CERTIFICATE NUMBER	EX 183417
DATE ISSUED	April 1, 1987

NOT TRANSFERABLE - RETAIN IN YOUR FILES



The

AMERICAN FISHERIES SOCIETY

hereby recognizes the

New York Chapter

as officially and duly chartered by the parent society

The American Fisheries Society, the oldest professional society in North America dealing with the natural resources, was organized in 1870. Among its objectives are conservation, development and wise utilization of the fisheries, promotion of the educational, scientific, and technological development and advancement of all branches of fisheries science and practice, and exchange and dissemination of knowledge about fish, fisheries, and related subjects.



President *[Signature]*

Executive Secretary *Robert F. Norton*

Date of Charter

March 12, 1968

ORIGINAL

"Original"
as of June 60
Best that it could do

COPY
COPY
COPY

BYLAWS OF THE NEW YORK CHAPTER OF THE AMERICAN FISHERIES SOCIETY

SECTION 1. NAME AND OBJECTIVES

- 1. THE NAME OF THIS ORGANIZATION SHALL BE THE NEW YORK CHAPTER OF THE AMERICAN FISHERIES SOCIETY, HEREINAFTER REFERRED TO AS THE CHAPTER.
- 2. THE OBJECTIVES OF THE CHAPTER SHALL BE THOSE OF THE AMERICAN FISHERIES SOCIETY AS SET FORTH IN ARTICLE 1 OF ITS CONSTITUTION, AND TO ENCOURAGE THE EXCHANGE OF INFORMATION BY MEMBERS OF THE SOCIETY RESIDING WITHIN THE STATE OF NEW YORK.

SECTION 2. MEMBERSHIP AND DUES

- 1. THE MEMBERSHIP OF THE CHAPTER SHALL BE OF THE FOLLOWING CLASSES:
 - A. MEMBER: ACTIVE MEMBERS OF THE AMERICAN FISHERIES SOCIETY IN GOOD STANDING, UPON ENROLLMENT IN THE CHAPTER, SHALL BE ELIGIBLE TO VOTE.
 - B. HONORARY MEMBER: PERSONS WHO, BY REASON OF OUTSTANDING SERVICE TO THE CHAPTER OR OFFICIAL POSITION, SHALL BE ELIGIBLE FOR ELECTION AS AN HONORARY MEMBER UPON NOMINATION BY TWO OR MORE CHAPTER MEMBERS IN GOOD STANDING, AND A 2/3 VOTE OF THE MEMBERS PRESENT AT AN ANNUAL MEETING. THERE SHALL BE TWO CLASSES OF HONORARY MEMBERSHIP:
 - (1) DISTINGUISHED SERVICE AND (2) EXOFFICIO. HONORARY MEMBERS SHALL BE ENTITLED TO ALL RIGHTS AND PRIVILEGES OF MEMBERS, EXCEPT THAT EXOFFICIO MEMBERS SHALL NOT VOTE OR HOLD OFFICE.
- 2. ANNUAL DUES FOR MEMBERS SHALL BE TEN DOLLARS(\$10). EXCEPT THAT DUES FOR FULL-TIME STUDENTS SHALL BE FIVE DOLLARS(\$5). HONORARY MEMBERS WILL NOT BE REQUIRED TO PAY DUES. DUES OF NEW MEMBERS SHALL BE PAYABLE WHEN APPLICATION FOR MEMBERSHIP IS ACCEPTED. MEMBERSHIPS NOT PAID ON OR BEFORE JULY 1 SHALL BE CONSIDERED LAPSED AND THOSE PERSONS SHALL NOT RECEIVE PUBLICATIONS OF THE CHAPTER AND SHALL FORFEIT ALL RIGHTS AND PRIVILEGES OF MEMBERSHIP AS LONG AS DUES ARE UNPAID.

SECTION 3. MEETINGS

THE CHAPTER SHALL HOLD AT LEAST ONE MEETING ANNUALLY AT THE TIME AND PLACE DESIGNATED BY THE EXECUTIVE COMMITTEE. NOTICE OF THE ANNUAL MEETING OF THE CHAPTER SHALL BE MAILED TO EACH MEMBER AT LEAST ONE MONTH BEFORE THE DATE OF SUCH MEETING. BUSINESS SHALL BE CONDUCTED IN ACCORDANCE WITH PROVISIONS OF THESE BYLAWS, AND/OR ROBERT'S RULES OF ORDER IN THE ABSENCE

OF SPECIFIC GUIDELINES. THE PROGRAM SHALL BE THE RESPONSIBILITY OF THE PROGRAM COMMITTEE.

SECTION 4. OFFICERS

THE OFFICERS OF THE CHAPTER SHALL CONSIST OF A PRESIDENT, PRESIDENT-ELECT, SECRETARY-TREASURER, AND SECRETARY-TREASURER-ELECT.

THE PRESIDENT-ELECT AND THE SECRETARY-TREASURER-ELECT SHALL BE ELECTED AT THE ANNUAL MEETING. THE SECRETARY-TREASURER SHALL HOLD OFFICE FOR TWO YEARS, BUT THE TERM OF THE OTHER OFFICERS SHALL BE ONE YEAR. THE SECRETARY-TREASURER-ELECT SHALL BE ELECTED IN ALTERNATE YEARS. IN CASE OF A VACATED POSITION, THE EXECUTIVE COMMITTEE SHALL APPOINT A QUALIFIED REPLACEMENT TO FILL AN UNEXPIRED TERM. THE INCUMBENT (NOT NEWLY ELECTED) PRESIDENT-ELECT AND SECRETARY-TREASURER-ELECT SHALL SUCCEED TO THE OFFICE OF PRESIDENT AND SECRETARY-TREASURER, RESPECTIVELY AT THE EXPIRATION OF THE TERMS OF THOSE OFFICERS.

IN THE EVENT OF A CANCELLATION OF AN ANNUAL MEETING AT WHICH ELECTION OF OFFICERS WAS SCHEDULED, THE OFFICERS AND THE MEMBERS OF ANY COMMITTEE SHALL CONTINUE TO SERVE UNTIL THE NEXT SCHEDULED MEETING.

SECTION 5. DUTIES OF OFFICERS

THE PRESIDENT OF THE CHAPTER SHALL PRESIDE AT ALL MEETINGS, SERVE AS CHAIRPERSON AT THE EXECUTIVE COMMITTEE, REPRESENT THE CHAPTER ON THE NORTHEAST DIVISION EXECUTIVE COMMITTEE AND IN THE AMERICAN FISHERIES SOCIETY, MAKE APPOINTMENTS AND PERFORM OTHER DUTIES AND FUNCTIONS AS ARE AUTHORIZED AND NECESSARY. THE CHAPTER SHALL REIMBURSE THE PRESIDENT OF THE CHAPTER, OR AN ALTERNATE DESIGNATED BY THE PRESIDENT, FOR BUDGETED EXPENSES ASSOCIATED WITH ATTENDANCE AT THE EXECUTIVE COMMITTEE MEETINGS HELD DURING THE ANNUAL AMERICAN FISHERIES SOCIETY MEETING, AND THE EXECUTIVE COMMITTEE MEETINGS OF THE NORTHEAST DIVISION. A BUDGET FOR THESE EXPENSES SHALL BE PROPOSED BY THE CHAPTER PRESIDENT AND APPROVED BY THE CHAPTER EXECUTIVE COMMITTEE.

THE PRESIDENT-ELECT SHALL BE CHAIRPERSON OF THE MEMBERSHIP COMMITTEE AND MEMBER OF THE PROGRAM COMMITTEE, AND SHALL ASSUME THE DUTIES OF THE PRESIDENT IF THE LATTER IS UNABLE TO ACT.

THE SECRETARY-TREASURER SHALL KEEP THE OFFICIAL RECORDS OF THE CHAPTER, SUBMIT A COPY OF THE MINUTES OF THE ANNUAL BUSINESS MEETING TO THE EXECUTIVE DIRECTOR OF THE SOCIETY AND THE SECRETARY-TREASURER OF THE NORTHEASTERN DIVISION WITHIN 30 DAYS AFTER SAID MEETING; AND COLLECT AND BE CUSTODIAN OF CHAPTER FUNDS, DISBURSE FUNDS AS AUTHORIZED BY THE EXECUTIVE COMMITTEE OR MEMBERSHIP, SUBMIT A RECORD OF RECEIPTS AND

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THE EXECUTIVE COMMITTEE SHALL CONSIST OF THE CHAPTER OFFICERS (PRESIDENT, PRESIDENT-ELECT, SECRETARY-TREASURER, SECRETARY-TREASURER-ELECT) AND THE IMMEDIATE PAST-PRESIDENT. THE CHAIRPERSONS OF STANDING COMMITTEES AND AD HOC COMMITTEES SHALL BE NON-VOTING MEMBERS OF THE EXECUTIVE COMMITTEE. THE EXECUTIVE COMMITTEE IS AUTHORIZED TO ACT FOR THE CHAPTER BETWEEN MEETINGS AND TO PERFORM APPROPRIATE DUTIES AND FUNCTIONS.

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CHAIRPERSONS OF COMMITTEES, EXCEPT AS LISTED IN SECTIONS 5 AND 6, SHALL BE APPOINTED BY THE PRESIDENT. COMMITTEE MEMBERS SHALL BE CHOSEN BY THE RESPECTIVE COMMITTEE CHAIRPERSONS. STANDING COMMITTEES SHALL INCLUDE: AUDITING, ENVIRONMENTAL CONCERNS, MEMBERSHIP, NOMINATING, PROGRAM, AND RESOLUTIONS. THE NOMINATING COMMITTEE WILL BE CHAIRED BY THE IMMEDIATE PAST-PRESIDENT AND THE SELECTION OF NOMINEES FOR OFFICE BY THE NOMINATING COMMITTEE WILL BE DONE IN CONSULTATION WITH, AND SUBJECT TO, THE APPROVAL OF THE EXECUTIVE COMMITTEE.

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CONSTITUTION, BYLAWS, AND STANDING RULES OF THE AMERICAN FISHERIES SOCIETY

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ARTICLE I

Names and Objectives

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The number shown on this certificate must be entered on any Exempt Organization Certification (ST-119.1) presented to a vendor. If this certificate is lost or destroyed, you may obtain a replacement by notifying the Taxpayer Assistance Bureau.

This certificate does not require renewal and will remain in effect unless it is revoked or cancelled. Exempt status may be revoked for any reason constituting misuse of the authority granted under this certificate.

American Fisheries Society
New York Chapter
207 Genesee Street
Utica, NY 13501

CERTIFICATE NUMBER	EX 183417
DATE ISSUED	April 1, 1987

You are required to file Form 990, Return of Organization Exempt from Income Tax, only if your gross receipts each year are normally more than \$5,000. If a return is required, it must be filed by the 15th day of the fifth month after the end of your annual accounting period. The law imposes a penalty of \$10 a day, up to a maximum of \$5,000, for failure to file the return on time.

Each of your exempt subordinates having annual gross receipts normally more than \$5,000, is also required to file Form 990 by the 15th day of the fifth month after the end of its annual accounting period, unless you include

Additionaly, we have classified the organizations you operate, supervise, or control, and which are covered by your notifications to us, as organizations that are not private foundations as defined in section 509(a) of the Code.

Based on information supplied, we recognize your named subordinates on the list you submitted as exempt from Federal income tax under section 501(c)(3) of the Code.

Our records show your recognition of exemption from Federal income tax under section 501(c)(3) of the Code was affirmed by a determination letter dated August 26, 1968.

We have considered your application for a group ruling under section 501(c)(3) of the Internal Revenue Code of 1954.

Gentlemen:

Internal Revenue Service
 Washington, DC 20224
 NOV 28 1972
 T.M.S.F.O.-2.2
 American Fisheries Society
 1319 18th Street, N.W.
 Washington, D.C. 20036

KD 52 EIN 54-0683803

RECEIVED
 NOV 28 1972



ORIGINAL

the subordinate in a group return. The law also imposes on the subordinate the penalty of \$10 a day, up to a maximum of \$5,000, for failure to file a return on time.

Your exempt subordinates are not required to file Federal income tax returns unless they are subject to the tax on unrelated business income under section 511 of the Code. If the exempt subordinates are subject to this tax, they must file an income tax return on Form 990-T. In this letter we are not determining whether any of their activities is unrelated trade or business as defined in section 513 of the Code.

Your subordinates are not liable for social security (FICA) taxes unless they file a waiver of exemption certificate as provided in the Federal Insurance Contributions Act. They are not liable for taxes imposed under the Federal Unemployment Tax Act (FUTA). However, you and your subordinates are required to withhold Federal income taxes of your and their employees. Inquiries about the waiver of exemption certificates for social security taxes, or any questions concerning excise, employment, or other Federal taxes should be addressed to the District Director, Baltimore, Maryland, which is your key District for exempt organization matters.

Donors may deduct contributions to your exempt subordinates as provided by section 170 of the Code. Bequests, legacies, devises, transfers, or gifts to or for the use of your exempt subordinates are deductible for Federal estate and gift tax purposes under sections 2055, 2106 and 2522 of the Code.

You should advise each of your subordinates of the provisions of this ruling, including the requirements for filing information or other returns.

Each year within 45 days after the close of your annual accounting period, please send the following to the Philadelphia Service Center, 11601 Roosevelt Boulevard, Philadelphia, Pennsylvania 19155. Attention, BOR Branch:

1. A statement describing any changes during the year in the purposes, character, or method of operation of your subordinates.
2. Lists of the names, mailing addresses, including Postal ZIP Codes, and employer identification numbers of subordinates that during the year
 - a. change names or addresses;
 - b. were deleted from your roster; or
 - c. were added to the roster.
3. For subordinates to be added, attach
 - a. a statement that the information upon which your present group exemption letter is based applies to the new subordinates;
 - b. a statement that each has given you written authorization to add its name to the roster;
 - c. a list of those to which the Service previously issued exemption rulings or determination letters; and
 - d. a statement that none of the subordinates is a private foundation as defined in section 509(a) of the Code; or

4. If applicable, a statement that your group exemption roster did not change during the year.

American Fisheries Society

This ruling does not apply to any of your subordinates organized and operated in a foreign country. This ruling letter supersedes individual ruling or determination letters issued to any of your subordinates.

We are sending your Key District Director, Baltimore, Maryland, a copy of this letter.

Sincerely yours,

William C. ...
Chief, Rulings Section
Exempt Organizations Branch

US Treasury Department
31 Hopkins Plaza, Baltimore, Md. 21201
Address any reply to:

District Director
Internal Revenue Service
Date: AUG 26 1968
In reply refer to: 210:EO:MRS

American Fisheries Society
Suite 1040, Washington Building
1116 New York Avenue, N.W.
Washington, D. C. 20005

Gentlemen:

Purpose: Educational, Charitable and Scientific
Address Inquiries and File Returns with District
Director of Internal Revenue
Baltimore, Maryland

Form 990-A Required: Yes No
Accounting Period Ending: December 31

On the basis of your stated purposes and the understanding that your operations will continue as evidenced to date or will conform to those proposed in your ruling application, we have concluded that you are exempt from Federal income tax as an organization described in section 501(c)(3) of the Internal Revenue Code. Any changes in operation from those described, or in your character or purposes, must be reported immediately to your District Director for consideration of their effect upon your exempt status. You must also report any change in your name or address.

You are not required to file Federal income tax returns so long as you retain an exempt status, unless you are subject to the tax on unrelated business income imposed by section 511 of the Code, in which event you are required to file Form 990-T. Our determination as to your liability for filing the annual information return, Form 990-A, is set forth above. That return, if required, must be filed on or before the 15th day of the fifth month after the close of your annual accounting period indicated above.

Contributions made to you are deductible by donors as provided in section 170 of the Code. Bequests, legacies, devises, transfers or gifts to or for your use are deductible for Federal estate and gift tax purposes under the provisions of section 2055, 2106 and 2522 of the Code.

You are not liable for the taxes imposed under the Federal Insurance Contributions Act (social security taxes) unless you file a waiver of exemption certificate as provided in such act. You are not liable for the tax imposed under the Federal Unemployment Tax Act. Inquiries about the waiver of exemption certificate for social security taxes should be addressed to this office, as should any questions concerning excise, employment or other Federal taxes.

This is a determination letter.

Very truly yours,

Irving Kischitz
District Director
(Over)

RECEIVED
AUG 27 1968

Our ruling of November 10, 1960 holding you to be exempt from Federal income tax as an organization described in section 501(c)(6) of the 1954 Code is modified to the extent indicated herein.

Irving Kischitz, Esq.

MEMO:

We are transmitting pages (including this cover sheet).
If you do not receive all pages, please call back.

TO:

John Hama Jr.

FROM:

Deven Maggi

TIME:

9:00

P.M.

A.M.

DATE:

1-21-90

FAX TRANSMISSION

ROBERT F. CARLINE
Past President

FRED A. HARRIS
2nd Vice President

KENNETH L. BEAL
1st Vice President

CARL V. BURGER
President Elect

CHRISTINE M. MORFITT
President 1999-2000

GHASSAN N. RASSAM
Executive Director



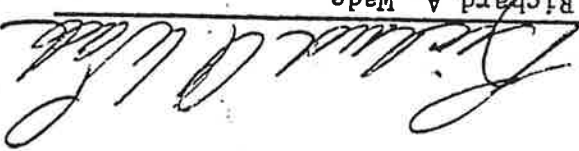
American Fisheries Society

Organized 1870 to Promote the Conservation, Development and Wise Utilization of the Fisheries

P.S. Although Employee Identification numbers for each Division and Chapter were applied for as a preliminary step to obtaining blanket tax exemption, we have not been advised of their assignment. Perhaps Divisions and Chapters were notified directly.

cc: AFS Officers

Attachment


Richard A. Wade

The attached letter from the IRS is generally self-explanatory; however, if you have any questions concerning your Division or Chapter tax status, please contact AFS Headquarters and we will immediately request assistance in answering these questions if we ourselves cannot answer them. Those Sections now being formed should inform this office as soon as possible if they desire to obtain tax-exempt status as provided through the blanket coverage of the parent Society. Those Chapters receiving this notice who have not requested to be included under the blanket exemption may be so included at a later date if they so desire. Please do not delay in contacting us if you desire to receive such status.

Subject: Internal Revenue Service Letter (tax-exempt status)

From: Richard A. Wade
Executive Director

To: AFS Divisions, Sections and Chapters

MEMORANDUM

Richard A. Wade
Executive Director
Johanna M. Reinhart
Editor
December 19, 1972

Fourth Floor Suite
1319 — 18th Street, N.W.
Washington, D. C. 20036

JA INC.

ORGANIZED 1870 | INCORPORATED 1910

American Fisheries Society

DEC 22 1997

RECEIVED

Internal Revenue

Service Center

Mid-Atlantic Region

Date: In reply refer to:

April 10, 1973 33260

William Joseph H. Smith
c/o Stohman, Beuchert & Egan
Union Trust Bldg.
Washington, D. C. 20000

Dear Mr. Smith:

In reply to your letter requesting Employer Identification numbers, they are as follows:

- Arizona/New Mexico Chapter
 - Bonnevile Chapter
 - California/Nevada Chapter
 - Central Penn Chapter
 - Colorado/Wyoming Chapter
 - Illinois Chapter
 - Indiana Chapter
 - Iowa Chapter
 - Minnesota Chapter
 - Montana Chapter
 - Nebraska Chapter
 - New York Chapter
 - North Central Division
 - Northeastern Division
 - Oklahoma Chapter
 - Oregon Chapter
 - Portland (Oregon) Chapter
 - Sacramento State College Chapter
 - Southern Division
 - Southern New England Chapter
 - Upper Missouri River Chapter
 - Western Division
 - Wisconsin Chapter
- 23-722674
 - 23-722675
 - 23-722673
 - 23-722669
 - 23-722678
 - 23-722683
 - 23-722676
 - 23-722685
 - 23-722670
 - 23-722688
 - 23-722687
 - 23-722677
 - 23-722667
 - 23-722666
 - 23-722672
 - 23-722681
 - 23-722680
 - 23-722679
 - 23-722668
 - 23-722682
 - 23-722686
 - 23-722664
 - 23-722664

Sincerely yours,

F. O. Loughlin
Chief, Input Perfection Branch



ST-119.1 (6/86)

New York State and Local Sales and Use Tax Exempt Organization Certification



The vendor must collect the tax on a sale of taxable property or services unless the purchaser gives him a properly completed exemption document within 90 days after delivery of the property sold or service rendered.

THIS FORM MAY NOT BE USED TO MAKE TAX EXEMPT PURCHASES OF MOTOR FUEL.

VENDOR

Name	Gnomon Copy Service
Mailing address	407 Eddy Street
City, village or post office	Ithaca
State	New York
Zip Code	14850

EXEMPT ORGANIZATION MAKING PURCHASES

Name	NY Chapter American Fisheries Society
Mailing address	% IA, Inc., 50 Ludlowville Road
City, village or post office	Landing
State	New York
Zip Code	14882

THIS CERTIFICATION IS ACCEPTABLE IF THE PURCHASER HAS ENTERED ALL INFORMATION REQUIRED.

I certify that the organization named above holds a valid exempt organization certificate,

EX 183417, and is exempt from state and local sales taxes on its purchases.
(Enter number from Form ST-119)

Signature of officer of organization	Title	Date prepared
John Homa, Jr.	Secretary/Treasurer	12/10/88

A Form ST-119.1, *Exempt Organization Certification*, may be used only when an exempt organization is the direct purchaser and payer of record. Any bill, invoice or receipt given by the vendor must show the above organization as the purchaser. Payment must be from the funds of the exempt organization.

The exemption from New York State and local sales and use tax does not extend to officers, members or employees of the organization. Personal purchases made by such individuals are subject to sales tax. An organization's exemption does not extend to its subordinate or affiliated units. When making purchases, subordinate units may not use the exemption number assigned to the parent organization. Such misuse may result in the revocation of the exemption granted.

Substantial civil and/or criminal penalties will result from the misuse of this form. In addition, where a certification is received later than 90 days after the delivery of the property sold or the services rendered, the burden of proof that the sale

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Form ST-119.1, *Exempt Organization Certification*, must be given to each vendor at the time of the first purchase from that vendor. A separate certification is not necessary for each subsequent purchase provided the exempt organization's name, address, and certificate number appear on the sales slip or billing invoice. The certification is considered part of each order given to the vendor and remains in force unless revoked.

Vendors must retain this *Exempt Organization Certification* for at least three years after the date of the last exempt sale substantiated by the certification.

You can get additional copies of this Form ST-119.1 at any district tax office or by writing to the Taxpayer Assistance Bureau, W. A. Harriman Campus, Albany, New York 12227. The form may be reproduced without prior permission from the Department of Taxation and Finance.

ST-119.1 (6/86)



New York State and Local Sales and Use Tax Exempt Organization Certification

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THIS FORM MAY NOT BE USED TO MAKE TAX EXEMPT PURCHASES OF MOTOR FUEL.

VENDOR

Name
Mailing address
City, village, or post office
State Zip Code

EXEMPT ORGANIZATION MAKING PURCHASES

Name
NY Chapter American Fisheries Society
Mailing address
% IA, Inc., 50 Ludlowville Road
City, village or post office
Lansing
State Zip Code
New York 14882

THIS CERTIFICATION IS ACCEPTABLE IF THE PURCHASER HAS ENTERED ALL INFORMATION REQUIRED.

I certify that the organization named above holds a valid exempt organization certificate,

EX 183417, and is exempt from state and local sales taxes on its purchases.
(Enter number from Form ST-119)

Signature of officer of organization John Homa, Jr.	Title Secretary/Treasurer	Date prepared
--	------------------------------	---------------

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ST-119.1 (6/86)

New York State and Local Sales and Use Tax Exempt Organization Certification

New York State
Department of
**TAXATION
and FINANCE**

The vendor must collect the tax on a sale of taxable property or services unless the purchaser gives him a properly completed exemption document within 90 days after delivery of the property sold or service rendered.

THIS FORM MAY NOT BE USED TO MAKE TAX EXEMPT PURCHASES OF MOTOR FUEL.

VENDOR

Name	
Mailing address	
City, village, or post office	
State	Zip Code

EXEMPT ORGANIZATION MAKING PURCHASES

Name	
NY Chapter American Fisheries Society	
Mailing address	
% IA, Inc., 50 Ludlowville Road	
City, village or post office	
Lansing	
State	Zip Code
New York	14882

THIS CERTIFICATION IS ACCEPTABLE IF THE PURCHASER HAS ENTERED ALL INFORMATION REQUIRED.

I certify that the organization named above holds a valid exempt organization certificate, # **EX** 183417, and is exempt from state and local sales taxes on its purchases.
(Enter number from Form ST-119)

Signature of officer of organization	Title	Date prepared
John Homa, Jr.	Secretary/Treasurer	

A Form ST-119.1, *Exempt Organization Certification*, may be used only when an exempt organization is the direct purchaser and payer of record. Any bill, invoice or receipt given by the vendor must show the above organization as the purchaser. Payment must be from the funds of the exempt organization.

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ST-119.1 (6/86)

New York State and Local Sales and Use Tax Exempt Organization Certification

New York State
Department of
**TAXATION
and FINANCE**

**THIS FORM MAY
NOT BE USED TO
MAKE TAX EXEMPT
PURCHASES OF
MOTOR FUEL.**

The vendor must collect the tax on a sale of taxable property or services unless the purchaser gives him a properly completed exemption document within 90 days after delivery of the property sold or service rendered.

VENDOR

Name	
Mailing address	
City, village or post office	
State	Zip Code

EXEMPT ORGANIZATION MAKING PURCHASES

Name	
NY Chapter American Fisheries Society	
Mailing address	
% IA, Inc., 50 Ludlowville Road	
City, village or post office	
Landing	
State	Zip Code
New York	14882

THIS CERTIFICATION IS ACCEPTABLE IF THE PURCHASER HAS ENTERED ALL INFORMATION REQUIRED.

I certify that the organization named above holds a valid exempt organization certificate, # **EX** 183417, and is exempt from state and local sales taxes on its purchases.
(Enter number from Form ST-119)

Signature of officer of organization	Title	Date prepared
John Homa, Jr.	Secretary/Treasurer	

A Form ST-119.1, *Exempt Organization Certification*, may be used only when an exempt organization is the direct purchaser and payer of record. Any bill, invoice or receipt given by the vendor must show the above organization as the purchaser. Payment must be from the funds of the exempt organization.

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Substantial civil and/or criminal penalties will result from the misuse of this form. In addition, where a certification is received later than 90 days after the delivery of the property sold or the services rendered, the burden of proof that the sale

was exempt will fall on both the seller and the purchaser.

Form ST-119.1, *Exempt Organization Certification*, must be given to each vendor at the time of the first purchase from that vendor. A separate certification is not necessary for each subsequent purchase provided the exempt organization's name, address, and certificate number appear on the sales slip or billing invoice. The certification is considered part of each order given to the vendor and remains in force unless revoked.

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ST-119 (1/87) State of New York - Department of Taxation and Finance - Exempt Organization Section, Taxpayer Assistance Bureau

EXEMPT ORGANIZATION CERTIFICATE

The organization named below is exempt from payment of the New York State and local sales and use tax.

The number shown on this certificate must be entered on any Exempt Organization Certification (ST-119.1) presented to a vendor. If this certificate is lost or destroyed, you may obtain a replacement by notifying the Taxpayer Assistance Bureau.

This certificate does not require renewal and will remain in effect unless it is revoked or cancelled. Exempt status may be revoked for any reason constituting misuse of the authority granted under this certificate.

American Fisheries Society
New York Chapter
207 Genesee Street
Utica, NY 13501

CERTIFICATE NUMBER	EX 183417
DATE ISSUED	April 1, 1987

ST-119.1 (6/86)

New York State and Local Sales and Use Tax Exempt Organization Certification

New York State
Department of
**TAXATION
and FINANCE**

**THIS FORM MAY
NOT BE USED TO
MAKE TAX EXEMPT
PURCHASES OF
MOTOR FUEL.**

The vendor must collect the tax on a sale of taxable property or services unless the purchaser gives him a properly completed exemption document within 90 days after delivery of the property sold or service rendered.

VENDOR

Name Gnomon Copy Service	
Mailing address 407 Eddy Street	
City, village or post office Ithaca	
State New York	Zip Code 14850


EXEMPT ORGANIZATION MAKING PURCHASES

Name NY Chapter American Fisheries Society	
Mailing address % IA, Inc., 50 Ludlowville Road	
City, village or post office Landing	
State New York	Zip Code 14882

THIS CERTIFICATION IS ACCEPTABLE IF THE PURCHASER HAS ENTERED ALL INFORMATION REQUIRED.

I certify that the organization named above holds a valid exempt organization certificate,

EX 183417, and is exempt from state and local sales taxes on its purchases.
(Enter number from Form ST-119)

Signature of officer of organization John Homa, Jr. 	Title Secretary/Treasurer	Date prepared
--	------------------------------	---------------

A Form ST-119.1, *Exempt Organization Certification*, may be used only when an exempt organization is the direct purchaser and payer of record. Any bill, invoice or receipt given by the vendor must show the above organization as the purchaser. Payment must be from the funds of the exempt organization.

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ST-119.1 (6/86)

New York State
Department of
TAXATION
and FINANCE

New York State and Local Sales and Use Tax Exempt Organization Certification

The vendor must collect the tax on a sale of taxable property or services unless the purchaser gives him a properly completed exemption document within 90 days after delivery of the property sold or service rendered.

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VENDOR

Name	
Mailing address	
City, village or post office	
State	Zip Code

EXEMPT ORGANIZATION MAKING PURCHASES

Name	
NY Chapter American Fisheries Society	
Mailing address	
% IA, Inc., 50 Ludlowville Road	
City, village or post office	
Landing	
State	Zip Code
New York	14882

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I certify that the organization named above holds a valid exempt organization certificate, # **EX** 183417, and is exempt from state and local sales taxes on its purchases.
(Enter number from Form ST-119)

Signature of officer of organization	Title	Date prepared
John Homa, Jr.	Secretary/Treasurer	

was exempt will fall on both the seller and the purchaser.

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ST-119.1 (6/86)

New York State and Local Sales and Use Tax Exempt Organization Certification



The vendor must collect the tax on a sale of taxable property or services unless the purchaser gives him a property completed exemption document within 90 days after delivery of the property sold or service rendered.

THIS FORM MAY NOT BE USED TO MAKE TAX EXEMPT PURCHASES OF MOTOR FUEL.

VENDOR

Name Gnomon Copy Service	
Mailing address 407 Eddy Street	
City, village or post office Ithaca	
State New York	Zip Code 14850

EXEMPT ORGANIZATION MAKING PURCHASES

Name NY Chapter American Fisheries Society	
Mailing address % IA, Inc., 50 Ludlowville Road	
City, village or post office Landing	
State New York	Zip Code 14882

THIS CERTIFICATION IS ACCEPTABLE IF THE PURCHASER HAS ENTERED ALL INFORMATION REQUIRED.

I certify that the organization named above holds a valid exempt organization certificate,

EX 183417, and is exempt from state and local sales taxes on its purchases.
(Enter number from Form ST-119)

Signature of officer of organization John Homa, Jr.	Title Secretary/Treasurer	Date prepared
--	------------------------------	---------------

A Form ST-119.1, *Exempt Organization Certification*, may be used only when an exempt organization is the direct purchaser and payer of record. Any bill, invoice or receipt given by the vendor must show the above organization as the purchaser. Payment must be from the funds of the exempt organization.

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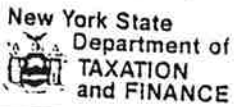
was exempt will fall on both the seller and the purchaser.

Form ST-119.1, *Exempt Organization Certification*, must be given to each vendor at the time of the first purchase from that vendor. A separate certification is not necessary for each subsequent purchase provided the exempt organization's name, address, and certificate number appear on the sales slip or billing invoice. The certification is considered part of each order given to the vendor and remains in force unless revoked.

Vendors must retain this *Exempt Organization Certification* for at least three years after the date of the last exempt sale substantiated by the certification.

You can get additional copies of this Form ST-119.1 at any district tax office or by writing to the Taxpayer Assistance Bureau, W. A. Harriman Campus, Albany, New York 12227. This form may be reproduced without prior permission from the Department of Taxation and Finance.

ST-119.1 (6/86)



New York State and Local Sales and Use Tax Exempt Organization Certification

The vendor must collect the tax on a sale of taxable property or services unless the purchaser gives him a properly completed exemption document within 90 days after delivery of the property sold or service rendered.

THIS FORM MAY NOT BE USED TO MAKE TAX EXEMPT PURCHASES OF MOTOR FUEL.

VENDOR

Name	Gnomon Copy Service		
Mailing address	407 Eddy Street		
City, village, or post office	Ithaca		
State	NY	Zip Code	14850

EXEMPT ORGANIZATION MAKING PURCHASES

Name	NY Chapter American Fisheries Society		
Mailing address	% IA, Inc., 50 Ludlowville Road		
City, village or post office	Landing		
State	New York	Zip Code	14882

THIS CERTIFICATION IS ACCEPTABLE IF THE PURCHASER HAS ENTERED ALL INFORMATION REQUIRED.

I certify that the organization named above holds a valid exempt organization certificate, # **EX** 183417, and is exempt from state and local sales taxes on its purchases.

(Enter number from Form ST-119)

Signature of officer of organization	Title	Date prepared
	Secretary/Treasurer	4-17-98

A Form ST-119.1, *Exempt Organization Certification*, may be used only when an exempt organization is the direct purchaser and payer of record. Any bill, invoice or receipt given by the vendor must show the above organization as the purchaser. Payment must be from the funds of the exempt organization.

The exemption from New York State and local sales and use tax does not extend to officers, members or employees of the organization. Personal purchases made by such individuals are subject to sales tax. An organization's exemption does not extend to its subordinate or affiliated units. When making purchases, subordinate units may not use the exemption number assigned to the parent organization. Such misuse may result in the revocation of the exemption granted.

Substantial civil and/or criminal penalties will result from the misuse of this form. In addition, where a certification is received later than 90 days after the delivery of the property sold or the services rendered, the burden of proof that the sale

was exempt will fall on both the seller and the purchaser.

Form ST-119.1, *Exempt Organization Certification*, must be given to each vendor at the time of the first purchase from that vendor. A separate certification is not necessary for each subsequent purchase provided the exempt organization's name, address, and certificate number appear on the sales slip or billing invoice. The certification is considered part of each order given to the vendor and remains in force unless revoked.

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THIS FORM MAY NOT BE USED TO MAKE TAX EXEMPT PURCHASES OF MOTOR FUEL.

VENDOR

Name	
Mailing address	
City, village or post office	
State	Zip Code

EXEMPT ORGANIZATION MAKING PURCHASES

Name	
Mailing address	
City, village or post office	
State	Zip Code

THIS CERTIFICATION IS ACCEPTABLE IF THE PURCHASER HAS ENTERED ALL INFORMATION REQUIRED.

I certify that the organization named above holds a valid exempt organization certificate, # **EX** _____, and is exempt from state and local sales taxes on its purchases.
(Enter number from Form ST-119)

Signature of officer of organization	Title	Date prepared
--------------------------------------	-------	---------------

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Exempt Organization Certification

The vendor must collect the tax on a sale of taxable property or services unless the purchaser gives him a properly completed exemption document within 90 days after delivery of the property sold or service rendered.

THIS FORM MAY NOT BE USED TO MAKE TAX EXEMPT PURCHASES OF MOTOR FUEL.

VENDOR

Name Gnomon Copy Service	
Mailing address 407 Eddy Street	
City, village or post office Ithaca	
State New York	Zip Code 14850

EXEMPT ORGANIZATION MAKING PURCHASES

Name NY Chapter American Fisheries Society	
Mailing address % IA, Inc., 50 Ludlowville Road	
City, village or post office Landing	
State New York	Zip Code 14882

THIS CERTIFICATION IS ACCEPTABLE IF THE PURCHASER HAS ENTERED ALL INFORMATION REQUIRED.

I certify that the organization named above holds a valid exempt organization certificate,

EX 183417
(Enter number from Form ST-119), and is exempt from state and local sales taxes on its purchases.

Signature of officer of organization John Homa, Jr.	Title Secretary/Treasurer	Date prepared
--	------------------------------	---------------

A Form ST-119.1, *Exempt Organization Certification*, may be used only when an exempt organization is the direct purchaser and payer of record. Any bill, invoice or receipt given by the vendor must show the above organization as the purchaser. Payment must be from the funds of the exempt organization.

The exemption from New York State and local sales and use tax does not extend to officers, members or employees of the organization. Personal purchases made by such individuals are subject to sales tax. An organization's exemption does not extend to its subordinate or affiliated units. When making purchases, subordinate units may not use the exemption number assigned to the parent organization. Such misuse may result in the revocation of the exemption granted.

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NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY
c/o NYSDEC, Room 530, 50 Wolf Road, Albany, New York 12233-4756

December 18, 1997

Mr. John Homa
Secretary/Treasurer-Elect
c/o Ichthyological Associates
50 Ludlowville Road
Lansing, N.Y. 14882

RECEIVED

DEC 22 1997

IJA INC.

Hi John:

Enclosed is the application and material for applying for a third-class, non-profit bulk mailing permit. The actual application form, PS Form 3624 (Jan 95) is in the back of the blue booklet entitled Special Bulk Third-Class Eligibility, publication 417. Question 8 should be marked "yes". Question 9 is also "yes", and the post office is Saratoga Springs, N.Y. 12866.

As you can see, you also must submit documentation to support the non-profit, tax exempt status of the Chapter. Also enclosed for your use are:

- The IRS tax-exemption letter ✓
- A copy of the constitution ✓
- Copies of the minutes of the last business meeting and last three EXCOM meetings
- Copies of the three 1997 newsletters
- Copies of the last annual and two 1997 treasurer's reports

It takes a couple of months to get the permit. You won't have to do a mailing till March or April, depending on when the next newsletter is ready, so you should get this application in right away. Call me if you have any questions or problems.

Hope you and your family have a Merry Christmas! See you in January.

Sincerely,

Timothy J. Sinnott
Secretary/Treasurer
NY Chapter, AFS

RECEIVED

MAY 11 1998

AFS NYC

UNITED STATES POSTAL SERVICE
Memphis, TN 38165-9599

PH 5-11-98

05/05/98

Authorization No. 0666131-KLB



NEW YORK CHAPTER AMERICAN FISHERIES
SOCIETY
50 LUDLOWVILLE RD
LANSING, NY 14882-9023

Dear Postal Customer:

Your application for nonprofit standard mail rate mailing privileges has been approved. Effective 04/28/98, your organization is authorized to mail at the nonprofit standard mail rates at ITHACA, NY 14850.

Everything you present for mailing under this authorization must be prepared in accordance with the postal regulations that govern this class of mail. Therefore, please note the following requirements, as specified in E670.6 of the Domestic Mail Manual:

All matter mailed at the Nonprofit Standard Mail rates must identify the authorized nonprofit organization. The name and return address of the authorized nonprofit organization must be either on the outside of the mailpiece or in a prominent location on the material being mailed. Pseudonyms or bogus names of persons or organizations may not be used. If the mailpiece bears any name and return address, it must be that of the authorized nonprofit organization.

This authorization does not extend to mailings made at post offices other than the one named above. Also, please note that under E670.5 of the Domestic Mail Manual, your organization is authorized to mail only its own matter at these rates. You may not delegate or lend the use of your nonprofit standard mail authorization to any other person or organization. Doing so could result in the revocation of your authorization.

Prior to your first mailing, please contact the above-named post office to ensure all applicable fees are paid. Additionally, you must mail under this authorization at least once every two years. Unless you do so, your nonprofit standard mail rate authorization will be revoked for nonuse.

If you have not already done so, please contact the post office named above to discuss entry of your mail under this authorization.

PLEASE CITE YOUR AUTHORIZATION NUMBER AS GIVEN ABOVE IN ALL FUTURE CORRESPONDENCE WITH US, INCLUDING REQUESTS FOR ADDITIONAL MAILING POINTS.

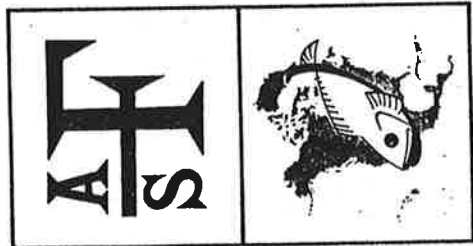
Thank you for your business.

Sincerely,

A handwritten signature in cursive script, appearing to read "Edward Walker".

Edward Walker
Manager
Rates and Classification Service Center

ORIGINAL



The
AMERICAN FISHERIES SOCIETY
 hereby recognizes the
New York Chapter

as officially and duly chartered by the parent society

The American Fisheries Society, the oldest professional society in North America dealing with the natural resources, was organized in 1870. Among its objectives are conservation, development and wise utilization of the fisheries, promotion of the educational, scientific, and technological development and advancement of all branches of fisheries science and practice, and exchange and dissemination of knowledge about fish, fisheries, and related subjects.



President *[Signature]* Date of Charter
 Executive Secretary *Robert H. Norton* March 12, 1968

CONSTITUTION, BYLAWS, AND STANDING RULES OF THE AMERICAN FISHERIES SOCIETY

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In the cross-referencing notation, A = Article, B = Bylaw, and R = Rule.

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CONSTITUTION

ARTICLE I

Names and Objectives

1. The name of the corporation is the AMERICAN FISHERIES SOCIETY, hereinafter called the SOCIETY. The term "Society" refers to the corporation as a whole and to its central functions and products; except in the aggregate, it does not refer to the corporation's organizational subunits or to their functions or products.

2. The Society's objectives are to:

(a) promote the conservation, development, and wise use of the fisheries;

(b) promote and evaluate the development and advancement of all branches of fisheries science and practice;

(c) gather and disseminate to Society members and the general public scientific, technical, and other information about fisheries science and practice through publications, meetings, and other forms of communication;

(d) encourage the teaching of fisheries science and practice in colleges and universities and the continuing professional development of fisheries workers.

3. (a) The Society may undertake any lawful activity to administer its affairs and attain its objectives, alone or in conjunction with others, except as proscribed in paragraph 1.3.(b).

(b) The Society may not undertake any activity that would cause it to lose its exemption from United States federal taxation as provided by Section 501 (c) (3) of the Internal Revenue Code of 1954, in that Section's present or future form.

ARTICLE II

Membership

1. Individuals or institutions interested in the Society and its objectives may become members in one of the following categories.

(a) ACTIVE MEMBERS are individuals with voting rights in one of the following subclasses. [Privileges A-II.2, B-5.(b).(3); proxy votes A-V.4.(b); dues B-6.(a).]

(1) GENERAL MEMBERS pay dues annually, and their membership extends through the calendar year (only) for which dues are paid. The Society may establish special categories of General membership. [Special dues B-6.(b).]

(2) LIFE MEMBERS pay a specified one-time fee and are exempt from further payment of dues to the Society. [Privileges B-5.(b).(1); fees B-6.(c).]

(3) HONORARY MEMBERS are persons who, because of their outstanding professional or other attainments, outstanding service to the Society, or official position, have been elected to permanent dues-free membership in the Society. Honorary members must be nominated by at least 10 active members and elected by a 2/3 majority of active members present at an annual or special Society meeting. A Life Member elected to honorary membership retains the privileges of Life membership.

(b) AFFILIATE MEMBERS are individuals or public or private institutions without voting privileges who wish to support the Society and have paid annual calendar-year dues in one of the following subclasses. [Fees B-6.(c).(3).]

(1) OFFICIAL MEMBERS are federal, state, provincial, territorial, or intergovernmental institutions. [Privileges B-5.(b).(2).]

(2) CONTRIBUTING MEMBERS are non-governmental individuals or institutions. Special categories of contributing membership may be established by the Society Executive Committee.

2. Members of the Society may elect to be members of one or more Chapters and Sections of the Society. Such voluntary memberships are subject to the respective Chapter or Section dues, even if a member is exempt from Society dues.

ARTICLE III

Officers and Executive Committee

1. Society officers are President, President-Elect, First Vice-President, Second Vice-President, Immediate Past-President, and Executive Director. The Executive Director is Secretary and Treasurer. [Duties B-1, B-2; compensation B-4.]

2. Only Active members who attended one of the three immediately preceding annual meetings may be nominated for the elective offices of President-Elect, First Vice-President, and Second Vice-President. [Nominations and election A-V.5.]

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(6) registration fees for annual and special meetings.

(f) All monies due the Society shall be remitted to the Executive Director in United States currency or the equivalent in the currency of another country.

Section 7. Standing Committees

The President shall appoint and charge the chairs and members of the following standing committees within 30 days after the annual meeting unless otherwise specified. All appointees must be Active Members, and their terms of duty extend to the end of the next annual meeting if not stipulated otherwise. Standing committees help the President and the Executive Committee to conduct the Society's affairs, and the chairs should report their committees' activities, findings, and recommendations at annual and interim meetings of the Executive Committee.

(a) ARRANGEMENTS

The Committee makes the physical arrangements for the Society's annual meeting, administers registration, collects all fees, and generates publicity for the meeting. Personnel:

(1) at least four persons including the Chair, three of whom reside near the meeting site and one of whom resides in the state or province where the meeting will be held the next year;

(2) Arrangements Committee Chair for the annual meeting following the one being planned;

(3) Second Vice-President (nonvoting).

(b) AWARD OF EXCELLENCE

The Committee nominates outstanding contributors to fisheries science or practice for the Society's highest award. Personnel:

(1) Chair plus at least six others.

(c) BOARDS OF PROFESSIONAL CERTIFICATION AND OF APPEALS

The Board of Professional Certification certifies fisheries scientists based on standards and requirements adopted by the Executive Committee. Only Certified Fisheries Scientists may serve on the Board; their terms are three years and they are not eligible for reappointment for three years after their term ends. Personnel:

(1) seven Certified Fisheries Scientists serving staggered three-year terms, one of whom shall be appointed chair, and among whom must be

(d) Society subunits, separately or in combination, may produce, distribute, and charge for publications of their own. Each such publication is to be uniquely identified with the sponsoring subunit(s) unless the Executive Committee specifically approves it as a Society publication.

Section 6. Dues, Fees, and Charges

(a) Annual dues of General Members are indexed to the United States Consumer Price Index (CPI). Changes in dues proportional to the annual change in the CPI two calendar years previously, but rounded downward to the nearest half-dollar, may be implemented by the Executive Committee. Larger changes must be recommended by the Executive Committee and approved by the membership at an annual or special meeting.

(b) General Members in the following categories pay reduced dues.

(1) Full-time students, certified as such by their major advisors, pay one-half the general dues, but may do so for no more than six years.

(2) Members age 65 or older pay one-half the general dues.

(c) The Life Member fee shall be at least fifteen times the current full dues of General Members. It is set by the Executive Committee subject to a six-month delay between announcement and implementation of a changed fee. The Executive Committee may suspend the availability of new Life memberships, which suspension shall be effective immediately, without prejudice to current Life Members or to their benefits.

(d) Ten percent of dues paid by General Members who are affiliated with Divisions shall be transferred to their respective Divisions.

(e) The Executive Committee may determine the following dues, fees, and charges by a 2/3 majority vote:

(1) adjustments of General Member dues according to the Consumer Price Index;

(2) Life Member fees;

(3) Affiliate Member dues;

(4) all subscription fees;

(5) page charges for Society publications;

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mittee meetings;

(6) provide direction to the Executive Director when the Executive Committee is not in session.

(b) The PRESIDENT-ELECT shall

(1) assume the duties of the President when that officer is temporarily or permanently unable to act;

(2) select the Chair of the Arrangements Committee for the annual meeting two years hence;

(3) be a voting member of the Membership Committee;

(4) be a nonvoting member of the Environmental Concerns and Program committees.

(c) the FIRST VICE-PRESIDENT shall

(1) assume the duties of the President-Elect when that officer is temporarily unable to act;

(2) chair the Membership Committee;

(3) be a nonvoting member of the Resolutions Committee.

(d) the SECOND VICE-PRESIDENT shall

(1) assume the duties of the First Vice-President when that officer is temporarily unable to act;

(2) select the Chair of the Program Committee for the annual meeting four years hence;

(3) be vice-chair of the Membership Committee;

(4) be a voting member of the Board of Appeals [restrictions on service B-7.(c)];

(5) be a nonvoting member of the Arrangements and Time and Place committees.

(e) The IMMEDIATE PAST-PRESIDENT shall serve on the Nominating Committee.

Section 2. Duties of the Executive Director

(a) The Executive Director is responsible to the Executive Committee and acts with its advice and consent. As the Society's executive officer, the Ex-

(1) manage the Society's daily activities;

(2) implement Society policies and advance Society objectives as set forth in the Constitution, Bylaws, and Rules and in Executive Committee directives;

(3) represent the Society, if authorized by the President, on occasions when the President or other officers are unable to do so;

(4) be responsible for Fisheries;

(5) communicate with the membership by means of Fisheries and attendance, when feasible, at subunit meetings;

(6) present an annual report to the Society and at least monthly activity reports to the Executive Committee;

(7) be a nonvoting member of the Board of Professional Certification and the Membership Committee.

(b) As Society secretary, the Executive Director shall

(1) maintain the Society's official records;

(2) arrange Society and Executive Committee meetings, the former with the aid of the Arrangements Committee;

(3) be parliamentary advisor to the President and committee chairs with the help, if required, of a constitutional consultant appointed by the President.

(c) As Society treasurer, the Executive Director shall be protected by a surety bond in an amount determined by the Executive Committee, the premiums for which shall be paid by the Society, and shall

(1) collect and receive all monies due or granted to the Society, and have custody of Society funds;

(2) pay all Society accounts owed and make other expenditures authorized by the Executive Committee.

(d) As Society business manager, the Executive Director shall

(1) prepare an annual Society budget for Executive Committee approval;

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its intended purpose and its geographic or disciplinary boundaries, and signed by the number of Active Members specified in the Society Bylaws, has been approved by the membership at an annual or special meeting; a Chapter petition also must be approved by the officers of the Division in which the new Chapter may reside. [Petition signatures B-8.(a), B-9.(a), B-10.(a).]

(b) Its bylaws have been approved by the Executive Committee for conformity with the Society's Constitution, Bylaws, and Rules.

(c) It has elected a slate of officers, as specified in paragraph IV.3, and reported it to the Executive Director.

(d) In the case of a Section, it has demonstrated at least 50 membership pledges.

(e) The Executive Director has notified the subunit president in writing that the subunit's petition, bylaws, and elections have been approved. The date of that letter is the founding date of the subunit.

3. Only Active Members of the Society may hold a subunit office, chair a subunit committee, or vote on subunit affairs. Among its elected officers, a subunit must have at least a president, a president-elect, and a secretary-treasurer or secretary and treasurer, whose duties must be defined in the subunit's bylaws.

4. Amendments of subunit bylaws must be reviewed by the Executive Committee for conformity with the Society's Constitution, Bylaws, and Rules, and do not take effect until the Executive Director has sent written notice of their approval by the Executive Committee.

5. A subunit may hold meetings, sponsor symposia, disseminate information, adopt resolutions, and engage in other activities that advance Society objectives and conform to the Society's Constitution, Bylaws, Rules, and policies. Actions and resolutions of a subunit shall be identified only with that subunit unless formally adopted by the Society or another subunit. [Publications B-5(d); resolutions R-2.]

6. (a) Grounds for dissolution of a subunit arise if that subunit fails to comply with, or overtly contravenes, its own bylaws or the Society's Constitution, Bylaws, Rules, and policies, or if it otherwise ceases to be an active, effective arm of the Society.

(b) A subunit may be dissolved by a 2/3 vote of Active Members voting at an annual or special meet-

ing if, but only if, the Executive Committee so recommends.

(c) The Executive Committee must review the status of any Section whose membership falls below 50, and consider a recommendation for that Section's termination.

(d) If a subunit is dissolved, its assets and records revert to the Society for disposal in the best interests of the subunit's former members or of the Society, as decided by the Executive Committee.

ARTICLE V

Meetings and Voting

1. The Society shall meet once a year. The Executive Committee sets the time and place of the annual meeting, and may do so two or more years in advance. The President may call special meetings with the approval of the Executive Committee. Unless otherwise specified in the Constitution or Bylaws, meetings are conducted according to the latest edition of Robert's Rules of Order.

2. In an emergency, the Executive Committee may cancel or change the place of an annual meeting.

3. Fifty Active Members constitute a quorum for transaction of Society business at annual or special meetings.

4. (a) Decisions at meetings are by simple majority of Active Members voting, except 2/3 majorities are required to

- (1) amend the Constitution or Bylaws,
- (2) suspend a Rule,
- (3) dissolve a subunit, or
- (4) elect an Honorary Member.

(b) Any Active Member who cannot attend a meeting may request the Executive Director, in writing, to register her or his vote on a previously published question. Such proxy votes must be assigned before the meeting at which the question is considered, and may not be used to establish a quorum.

5. (a) Before an annual meeting, the Executive Director shall mail to all Active Members a ballot bearing nominations for President-Elect, First Vice-President, and Second Vice-President. There must be at least two nominees for Second Vice-President.

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[Procedures R-2.] Personnel, from among whom the
Chair is appointed:

- (1) Division resolutions committee chairs;
- (2) five others;
- (3) First Vice-President (nonvoting).

(o) TIME AND PLACE

The Committee generates competitive proposals for the future site of the Society's annual meeting, from which the Executive Committee shall choose one site. Personnel:

- (1) six persons with staggered three-year terms, two of whom shall be appointed by each new President who shall also designate the Chair from among the whole Committee;
- (2) Program Committee chair for the meeting that will be held at the site to be determined.
- (3) Second Vice-President (nonvoting).

Section 8. Divisions

(a) A petition to create a new Division must be signed by at least 200 Active Members from the geographic region of that Division. [Founding protocol A-IV.2; membership restrictions A-IV.3; bylaw amendments A-IV.4; permitted activities A-IV.5, B-5.(d); dissolution A-IV.6.]

(b) Division presidents and presidents-elect are voting members of the Society Executive Committee, and the president shall report on Division activities at Executive Committee meetings. Chairs of Division membership and resolutions committees serve, respectively, on the Society Membership and Resolutions committees. Each Division annually elects one representative to the Society Nominating Committee. [Restriction on Nominating Committee service B-7.(k).]

(c) The Division secretary-treasurer shall send minutes of the annual Division business meeting to the Executive Director within 30 days after the meeting is held.

(d) Divisions may levy special fees. [Transfer of Society dues B-6.(d).]

(e) Society members who reside within the geographic area of a Division are members of that Division unless they notify the Executive Director in writing that they wish to be members of another Division. Society members who reside outside of

- (1) Chair plus at least six others.

(k) NOMINATING

The Committee names a slate of candidates for the Society offices of President-Elect, First Vice-President, and Second Vice-President according to procedures approved by the Executive Committee; it must name at least two candidates for Second Vice-President. The slate must be announced at least 60 days before election ballots are mailed. Members of the Committee may not be nominated to a Society Office. Personnel:

- (1) one person appointed by the President (Chair);
- (2) four persons nominated by the Executive Committee at the annual meeting;
- (3) one representative elected by each Division, but the two most recent past-presidents of each Division are not eligible for election to the Committee;
- (4) Society Immediate Past-President.

(l) PROGRAM

The Committee assembles and administers the program for the Society's annual meeting. Personnel:

- (1) Chair plus an indefinite number of others;
- (2) three persons who have been designated by successive Second Vice-Presidents and who will chair the Committee in succeeding years;
- (3) President-Elect (nonvoting).

(m) PUBLICATIONS OVERVIEW

The Committee provides overall publication and editorial review for the Society to ensure coherent planning and development of Society and subunit publication programs. Personnel: }

- (1) at least nine persons with staggered three-year terms, at least three of whom shall be appointed by each new President who shall also designate the Chair from among the whole Committee;
- (2) Managing Editor (nonvoting).

(n) RESOLUTIONS

The Committee drafts resolutions, screens and edits resolutions submitted to it by officers, members, or subunits, and presents its slate of resolutions for vote at the Society's annual meeting.

concern the Society may be submitted to the Chair at any time.

3. Division Areas

Areas prescribed for the Divisions follow.

(a) NORTH CENTRAL DIVISION: states of Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin in the United States of America; provinces of Manitoba and Ontario in Canada.

(b) NORTHEASTERN DIVISION: states of Connecticut, Delaware, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont in the United States of America; provinces of New Brunswick, Newfoundland, Nova Scotia, Prince Edward Island, and Quebec in Canada.

(c) SOUTHERN DIVISION: states of Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia, and the District of Columbia in the United States of America; Commonwealth of Puerto Rico; the Virgin Islands; other Caribbean islands.

(d) WESTERN DIVISION: states of Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming in the United States of America; U.S. islands and trust territories in the west Pacific Ocean; provinces of Alberta, British Columbia, and Saskatchewan, and Yukon and the Northwest Territories in Canada; Mexico.

4. Description of Sections

(a) The BIOENGINEERING SECTION is an association of members who wish to enhance the relationship between fisheries scientists and engineers, and to promote the use and exchange of bioengineering information throughout the fisheries profession.

(b) The COMPUTER USER SECTION is an association of members who wish to promote an understanding of the interrelationship between electronic digital devices and fisheries.

(c) The EARLY LIFE HISTORY SECTION is an association of members who wish to advance knowledge about the biology of fish eggs, embryos, larvae, and early juveniles and about associated aspects of reproduction, and to promote the exchange

of information on these topics.

(d) The EDUCATION SECTION is an association of members who wish to improve the quality of education for fisheries scientists, to exchange educational information, and to develop and coordinate programs in continuing education in response to needs of the profession.

(e) The FISH CULTURE SECTION is an association of members who wish to advance fish culture technology, to disseminate information about fish culture, and to continuously upgrade fish culture programs.

(f) The FISHERIES ADMINISTRATORS SECTION is an association of members who administer state and provincial fishery regulatory agencies and who wish to encourage timely exchanges of information for the benefit of fish management programs.

(g) The FISHERIES MANAGEMENT SECTION is an association of members who wish to develop new management concepts and techniques as well as programs in education and communication to solve fisheries management problems.

(h) The FISH GENETICS SECTION is an association of members who wish to facilitate transfer of fish genetics information, to coordinate interaction among any group involved in fish genetics activities, to coordinate research efforts, and to facilitate policies addressing conservation of our native fish stocks.

(i) The FISH HEALTH SECTION is an association of members who wish to safeguard fish health, to dispense information on fish health problems, and to stimulate application of effective fish health programs.

(j) The INTRODUCED FISH SECTION is an association of members who wish to foster greater knowledge about exotic fishes, and to communicate issues regarding the effects of these species on indigenous fishes and their habitats.

(k) The MARINE FISHERIES SECTION is an association of members who wish to attain further knowledge about marine fisheries, to identify and publicize issues and problems related to the development and management of marine fisheries, and to address research and education needs associated with biological, economic, social, environmental, and other aspects of marine fisheries.

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BYLAWS OF THE NEW YORK CHAPTER OF THE AMERICAN FISHERIES SOCIETY

Section 1 - Name and Objectives

1. The name of this organization shall be the New York Chapter of the American Fisheries Society, hereinafter referred to as the chapter.

2. The objectives of the chapter shall be those of the American Fisheries Society as set forth in Article 1 of its constitution, and to encourage the exchange of information by members of the Society residing within the State of New York.

Section 2 - Membership and Dues

1. The membership of the chapter shall be of the following classes:

- a. Member: Active Members of the American Fisheries Society in good standing, upon enrollment in the chapter, shall be eligible to vote.

- b. Honorary Member: Persons who, by reason of professional or other attainments, outstanding service to the chapter, or official position, shall be eligible for election as an Honorary Member upon nomination by two or more chapter Members in good standing, and a 2/3 vote of the members present at an annual meeting. There shall be two classes of honorary membership:

- (1) Distinguished Service and (2) Exofficio. Honorary Members shall be entitled to all rights and privileges of Members, except that Exofficio Members shall not vote or hold office.

2. Annual dues for Members shall be ten dollars (\$10.00), except that dues for full-time students shall be five dollars (\$5.00). Honorary Members will not be required to pay dues. Dues of new members shall be payable when application for membership is accepted. Memberships not paid on or before July 1 shall be considered lapsed and those persons shall not receive publications of the chapter and shall forfeit all rights and privileges of membership as long as dues are unpaid.

Section 3 - Meetings

The Chapter shall hold at least one meeting annually at the time and place designated by the Executive Committee. Notice of the annual meeting of the Chapter shall be mailed to each member at least one month before the date of such meeting. Business shall be conducted in accordance with provisions of these Bylaws, and/or Robert's Rules of Order in the absence of specific guidelines. The program shall be the responsibility of the Program Committee.

Section 4 - Officers

The officers of the Chapter shall consist of a President, President-Elect, Secretary-Treasurer and Secretary-Treasurer-Elect.

The President-Elect and the Secretary-Treasurer-Elect shall be elected at the annual meeting. The Secretary-Treasurer shall hold office for two years, but the term of the other officers shall be one year. The Secretary-Treasurer-Elect shall be elected in alternate years. In case of a vacated position, the Executive Committee shall appoint a qualified replacement to fill an unexpired term. The Incumbent (not newly elected) President-Elect and Secretary-Treasurer-Elect shall succeed to the office of President and Secretary-Treasurer, respectively at the expiration of the terms of those officers.

In the event of a cancellation of an annual meeting at which election of officers was scheduled, the officers and the members of any committee shall continue to serve until the next scheduled meeting.

Section 5 - Duties of Officers

The President of the Chapter shall preside at all meetings, serve as Chairperson at the Executive Committee, represent the Chapter on the Northeast Division Executive Committee and in the American Fisheries Society, make appointments and perform other duties and functions as are authorized and necessary. The Chapter shall reimburse the President of the Chapter, or an alternate designated by the President, for budgeted expenses associated with attendance at the Executive Committee meetings held during the annual American Fisheries Society Meeting, and the Executive Committee meetings of the Northeast Division. A budget for these expenses shall be proposed by the Chapter President and approved by the Chapter Executive Committee.

The President-Elect shall be Chairperson of the Membership Committee and member of the Program Committee, and shall assume the duties of the President if the latter is unable to act.

The Secretary-Treasurer shall keep the official records of the chapter, submit a copy of the minutes of the annual business meeting to the Executive Director of the Society and the Secretary-Treasurer of the Northeastern Division within 30 days after said meeting; and collect and be custodian of chapter funds, disburse funds as authorized by the Executive Committee or membership, submit a record of receipts and disbursements at the annual meeting, and perform such duties as may be requested by the Executive Director of the American Fisheries Society and officers of the Northeastern Division.

The Secretary-Treasurer shall aid the Secretary-Treasurer in his/her duties and act at the direction of the Secretary-Treasurer and the President.

~~Section 6 - Executive Committee~~

The Executive Committee shall consist of the Chapter officers (President, President-Elect, Secretary-Treasurer, Secretary-Treasurer-Elect) and the immediate Past-President. The Chairpersons of standing committees and ad hoc committees shall be non-voting members of the Executive Committee. The Executive Committee is authorized to act for the Chapter between meetings and to perform appropriate duties and functions.

~~Section 7 - Chapter Committees~~

Chairpersons of Committees, except as listed in Sections 5 and 6, shall be appointed by the President. Committee members shall be chosen by the respective committee chairpersons. Standing committees shall include: Auditing, Environmental Concerns, Membership, Nominating, Program, and Resolutions. The Nominating Committee will be chaired by the immediate past-president and the selection of nominees for office by the Nominating Committee will be done in consultation with, and subject to, the approval of the Executive Committee.

The committees shall be composed of the chairperson and any other members in good standing selected by the chairperson. The committees shall aid the President in the operation of chapter business and activities. The President shall direct them in their duties. They may also be directed by vote of the membership at an annual meeting.

The term of office for members of the Chapter Committees shall end upon the discharge of the duties for which they were appointed, or at the next annual meeting of the chapter, whichever comes first.

Section 8 - Voting and Quorum

Decisions at meetings of the Chapter shall be by a majority of those voting, except that amendments to the Bylaws require a 2/3 majority, and excepted further, the election of Honorary Members and recipients of the Professional Achievement Award require a 2/3 majority vote. Any member in good standing who cannot attend a meeting may request the Executive Committee in writing to register a vote on a previously published question and such a vote shall be counted with the votes of members present. Such votes shall not be used to determine a quorum. Proxy votes must be received by the Secretary-Treasurer before the annual meeting at which the vote is taken.

A quorum for the transaction of official business shall be 20 of the Chapter's voting members.

Section 9 - Registration

The Executive Committee may assess each registrant attending meetings of the Chapter a registration fee necessary to cover the costs of the meeting and chapter activities. Collections shall be made by the Secretary-Treasurer or a representative appointed by that officer.

Section 10 - Amendments of the Bylaws

The Bylaws of the Chapter may be amended in accordance with Section 8 of these Bylaws, provided that prior notice of at least 30 days be given to the membership of the proposed change(s). Said change(s) must be approved by the Executive Committee of the Society before taking effect.

Section 11 - Professional Achievement Award

A committee appointed by the Executive Committee shall nominate as appropriate, a candidate whose distinguished professional accomplishments are deserving of recognition by his/her peers. Nominations will be submitted to the Executive Committee for review and by 2/3 vote of the members present at an annual meeting. This award shall be distinguished from the Honorary Membership Award in that it will be presented to active professionals for achievements judged as outstanding by fellow fisheries professionals, rather than for outstanding service to the chapter or official position.



American Fisheries Society

ORGANIZED 1870 | INCORPORATED 1910

ORIGINAL

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DEC 22 1997

JA INC.

Richard A. Wade
Executive Director

Johanna M. Reinhart
Editor

Fourth Floor Suite
1319 — 18th Street, N.W.
Washington, D. C. 20036

December 19, 1972

MEMORANDUM

To: AFS Divisions, Sections and Chapters

From: Richard A. Wade
Executive Director

Subject: Internal Revenue Service Letter (tax-exempt status)

The attached letter from the IRS is generally self-explanatory; however, if you have any questions concerning your Division or Chapter tax status, please contact AFS Headquarters and we will immediately request assistance in answering these questions if we ourselves cannot answer them.

Those Sections now being formed should inform this office as soon as possible if they desire to obtain tax-exempt status as provided through the blanket coverage of the parent Society.

Those Chapters receiving this notice who have not requested to be included under the blanket exemption may be so included at a later date if they so desire. Please do not delay in contacting us if you desire to receive such status.

Richard A. Wade

Attachment

cc: AFS Officers

P.S. Although Employee Identification numbers for each Division and Chapter were applied for as a preliminary step to obtaining blanket tax exemption, we have not been advised of their assignment. Perhaps Divisions and Chapters were notified directly.

Address any reply to: 11601 Roosevelt Blvd., Philadelphia, Pa. 19155
Department of the Treasury

**Internal Revenue
Service Center
Mid-Atlantic Region**

Date: April 10, 1973 In reply refer to: 33260



▷ William Joseph H. Smith
c/o Stohman, Beuchert & Egan
Union Trust Bldg.
Washington, D. C. 20000

Dear Mr. Smith:

In reply to your letter requesting Employer Identification numbers, they are as follows:

Arizona/New Mexico Chapter	23-7226674
Bonneville Chapter	23-7226675
California/Nevada Chapter	23-7226673
Central Penn Chapter	23-7226669
Colorado/Wyoming Chapter	23-7226678
Illinois Chapter	23-7226683
Indiana Chapter	23-7226676
Iowa Chapter	23-7226685
Minnesota Chapter	23-7226670
Montana Chapter	23-7226688
Nebraska Chapter	23-7226687
New York Chapter	23-7226677 ✓
North Central Division	23-7226667
Northeastern Division	23-7226666
Oklahoma Chapter	23-7226672
Oregon Chapter	23-7226681
Portland (Oregon) Chapter	23-7226680
Sacramento State College Chapter	23-7226679
Southern Division	23-7226668
Southern New England Chapter	23-7226682
Upper Missouri River Chapter	23-7226686
Western Division	23-7226664
Wisconsin Chapter	23-7226684

Sincerely yours,

Handwritten signature of F. O'Loughlin.

F. O'Loughlin
Chief, Input Perfection Branch

Internal Revenue Service
Washington, DC 20224

Date: NOV 28 1972

In reply refer to:

T:MS:EO:R:2

American Fisheries Society
1319 18th Street, N.W.
Washington, D.C. 20036

KD 52 EIN 54-0683803

Gentlemen:

We have considered your application for a group ruling under section 501(c)(3) of the Internal Revenue Code of 1954.

Our records show your recognition of exemption from Federal income tax under section 501(c)(3) of the Code was affirmed by a determination letter dated August 26, 1968.

Based on information supplied, we recognize your named subordinates on the list you submitted as exempt from Federal income tax under section 501(c)(3) of the Code.

Additionally, we have classified the organizations you operate, supervise, or control, and which are covered by your notifications to us, as organizations that are not private foundations as defined in section 509(a) of the Code.

You are required to file Form 990, Return of Organization Exempt From Income Tax, only if your gross receipts each year are normally more than \$5,000. If a return is required, it must be filed by the 15th day of the fifth month after the end of your annual accounting period. The law imposes a penalty of \$10 a day, up to a maximum of \$5,000, for failure to file the return on time.

Each of your exempt subordinates having annual gross receipts normally more than \$5,000, is also required to file Form 990 by the 15th day of the fifth month after the end of its annual accounting period, unless you include

American Fisheries Society

the subordinate in a group return. The law also imposes on the subordinate the penalty of \$10 a day, up to a maximum of \$5,000, for failure to file a return on time.

Your exempt subordinates are not required to file Federal income tax returns unless they are subject to the tax on unrelated business income under section 511 of the Code. If the exempt subordinates are subject to this tax, they must file an income tax return on Form 990-T. In this letter we are not determining whether any of their activities is unrelated trade or business as defined in section 513 of the Code.

Your subordinates are not liable for social security (FICA) taxes unless they file a waiver of exemption certificate as provided in the Federal Insurance Contributions Act. They are not liable for taxes imposed under the Federal Unemployment Tax Act (FUTA). However, you and your subordinates are required to withhold Federal income taxes of your and their employees. Inquiries about the waiver of exemption certificates for social security taxes, or any questions concerning excise, employment, or other Federal taxes should be addressed to the District Director, Baltimore, Maryland, which is your key District for exempt organization matters.

Donors may deduct contributions to your exempt subordinates as provided by section 170 of the Code. Bequests, legacies, devises, transfers, or gifts to or for the use of your exempt subordinates are deductible for Federal estate and gift tax purposes under sections 2055, 2106 and 2522 of the Code.

You should advise each of your subordinates of the provisions of this ruling, including the requirements for filing information or other returns.

American Fisheries Society

Each year within 45 days after the close of your annual accounting period, please send the following to the Philadelphia Service Center, 11601 Roosevelt Boulevard, Philadelphia, Pennsylvania 19155. Attention, EOR Branch:

1. A statement describing any changes during the year in the purposes, character, or method of operation of your subordinates.
2. Lists of the names, mailing addresses, including Postal ZIP Codes, and employer identification numbers of subordinates that during the year
 - a. change names or addresses;
 - b. were deleted from your roster; or
 - c. were added to the roster.
3. For subordinates to be added, attach
 - a. a statement that the information upon which your present group exemption letter is based applies to the new subordinates;
 - b. a statement that each has given you written authorization to add its name to the roster;
 - c. a list of those to which the Service previously issued exemption rulings or determination letters; and
 - d. a statement that none of the subordinates is a private foundation as defined in section 509(a) of the Code; or
4. If applicable, a statement that your group exemption roster did not change during the year.

American Fisheries Society

This ruling does not apply to any of your subordinates organized and operated in a foreign country.

This ruling letter supersedes individual ruling or determination letters issued to any of your subordinates.

We are sending your key District Director, Baltimore, Maryland, a copy of this letter.

Sincerely yours,

Milton C. ...
Chief, Rulings Section
Exempt Organizations Branch

Address any reply to: 31 Hopkins Plaza, Baltimore, Md. 21201
US Treasury Department

**District Director
Internal Revenue Service**

Date: **AUG 26 1968**

In reply refer to:
210-EO:MBS



American Fisheries Society
Suite 1040, Washington Building
1446 New York Avenue, N.W.
Washington, D. C. 20005

Gentlemen:

Purpose: Educational, Charitable and Scientific
Address Inquiries and File Returns with District Director of Internal Revenue: Baltimore, Maryland

Form 990-A Required: Yes No
Accounting Period Ending: December 31

On the basis of your stated purposes and the understanding that your operations will continue as evidenced to date or will conform to those proposed in your ruling application, we have concluded that you are exempt from Federal income tax as an organization described in section 501(c)(3) of the Internal Revenue Code. Any changes in operation from those described, or in your character or purposes, must be reported immediately to your District Director for consideration of their effect upon your exempt status. You must also report any change in your name or address.

You are not required to file Federal income tax returns so long as you retain an exempt status, unless you are subject to the tax on unrelated business income imposed by section 511 of the Code, in which event you are required to file Form 990-T. Our determination as to your liability for filing the annual information return, Form 990-A, is set forth above. That return, if required, must be filed on or before the 15th day of the fifth month after the close of your annual accounting period indicated above.

Contributions made to you are deductible by donors as provided in section 170 of the Code. Bequests, legacies, devises, transfers or gifts to or for your use are deductible for Federal estate and gift tax purposes under the provisions of section 2055, 2106 and 2522 of the Code.

You are not liable for the taxes imposed under the Federal Insurance Contributions Act (social security taxes) unless you file a waiver of exemption certificate as provided in such act. You are not liable for the tax imposed under the Federal Unemployment Tax Act. Inquiries about the waiver of exemption certificate for social security taxes should be addressed to this office, as should any questions concerning excise, employment or other Federal taxes.

This is a determination letter.

Very truly yours,

Irving Machiz
Irving Machiz
District Director

(Over)

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Our ruling of November 10, 1960 holding you to be exempt from Federal income tax as an organization described in section 501(c)(6) of the 1954 Code is modified to the extent indicated herein.

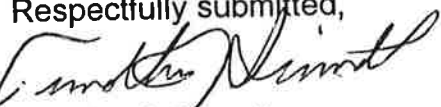
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 DEC 22 1997
 JA INC.



NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY
 c/o NYSDEC, Room 530, 50 Wolf Road, Albany, New York 12233-4756

1996 Annual Treasurer's Report
 Prepared 28 January 1997

	Checking	Savings	CD	Total
Balance 1/28/96	\$5498.44	\$6,248.84	\$10,076.47	\$21,823.75
Receipts				
Memberships	2380.00			2380.00
Interest	72.37	190.59	655.16	918.12
Parent Society rebate	826.00			826.00
1996 Ecosystem Conf	612.64			612.64
1996 Workshop	4040.00			4040.00
NE Workshop rebate	140.00			140.00
Receipts subtotal	8071.01	190.59	655.16	8916.76
Expenditures				
1996 annual meeting	540.58			540.58
Award plaques	40.00			40.00
Student stipends	250.00			250.00
Donations	200.00			200.00
1996 Workshop	4272.21			4272.21
Duck stamps	46.80			46.80
NED Workshop social	150.00			150.00
Newsletter printing	551.93			551.93
Postage & mail-related	444.81			444.81
Expenditures subtotal	6496.33			6496.33
Annual subtotals	+1574.68	+190.59	+655.16	+2420.43
Balance as of 1/28/97	\$7073.12	\$6439.43	\$10731.63	\$24244.18

Respectfully submitted,

 Timothy J. Sinnott
 Secretary/Treasurer
 NY Chapter, AFS



NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY
 c/o NYSDEC, Room 530, 50 Wolf Road, Albany, New York 12233-4756

Treasurer's Report as of 7/29/97

	Checking	CD1	CD2	Savings	Total
Balance as of 1/28/97	7073.12	10731.63	0.00	6439.43	24244.18
		+ 104.21			
		=			
CD balance as of 3/2/97		10835.84			24348.39
Receipts, 1/28/97 - 7/29/97					
Transfer from CD1			5000.00	835.84	5835.84
interest	30.55	90.00	88.43	104.60	313.58
1997 Annual Meeting Registrations	5718.50				5718.50
Memberships & Rebate	1863.00				1863.00
Subtotal	7612.05	90.00	5088.43	940.44	13730.92
Expenditures, 1/28-97 - 7/29/97					
Transfer from CD1		5835.84			5834.84
1997 annual Meeting	8759.44				8759.44
Travel	1453.00				
Program printing	265.66				
Owego Treadway	7040.78				
AFS 2000 Donation	250.00				250.00
Spring newsletter printing	158.76				158.76
Spring newsletter mailing	46.46				46.46
Duck stamps for AFS	22.50				22.50
Student subunit activities	45.10				45.10
Teaming w/Wildlife donation, NYTWS	500.00				500.00
Subtotal	9782.26	5835.84			15618.10
Difference	-2170.21	-5745.84	+ 5088.43	+ 940.44	-1887.18
Balance as of 7/29/97	4902.91	5090.00	5088.43	7379.87	22461.21



NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY
 c/o NYSDEC, Room 576, 50 Wolf Road, Albany, New York 12233-4756

Treasurer's Report as of 6 Nov 97

	Checking	CD1	CD2	Savings	Total
Balance as of 7/29/97	4902.91	5090.00	5088.43	7379.87	22,461.21
Receipts, 7/29/97 - 11/6/97					
Interest	12.06	67.27	66.08	74.89	220.30
Memberships	255.00				255.00
97 Workshop	2,960.00				2,960.00
Subtotal	3,227.06	67.27	66.08	74.89	3,435.30
Expenditures, 7/29/97 - 11/6/97					
Postage	128.00				128.00
Newsletter printing	199.80				199.80
Dave Lemon, Stats Wksp	82.14				82.14
Lars Rudstam, PS Annual mtg	444.25				444.25
Workshop, arrangements	1,247.50				1,247.50
Workshop, materials and \$250 donation	1,784.00				1,784.00
Subtotal	3,885.69				3,885.69
Difference	-658.63	+67.27	+66.08	+74.89	-450.39
Balance as of 11/6/97	4,244.28	5,157.27	5,154.51	7,454.76	22,010.82
Funds due in from workshop:	530.00				
Projected total	4,774.28				22,540.82
Difference					+79.61

Respectfully submitted

Timothy J. Sinnott
 Secretary/Treasurer
 NY Chapter, AFS



NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY
c/o NYSDEC, Room 530, 50 Wolf Road, Albany, New York 12233-4756

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DEC 22 1997

IA INC.

***NY Chapter, AFS
Annual Business Meeting Minutes
January 31, 1997***

The meeting was called to order at 4:55 PM. A quorum was determined to be present. The agenda was accepted. Copies of the business meeting from last year were distributed and reviewed and accepted. The annual treasurer's report was reviewed and accepted.

Bob Carline, the AFS Parent Society President-Elect was introduced and invited to make a few remarks. He said that the AFS office tries to attend all chapter meetings and get feedback about what the chapters want from the Parent Society. If anyone has any comments, talk to him (Bob) during the rest of the meeting. He then talked about legislation. Congress did not do much this past year. The Magnuson Act was reauthorized. A briefing statement for the Magnuson Act went to the Marine Fisheries Network. Most of the comments included in the legislative briefing statement were included in the final legislation. Other important issues coming up are the Clean Water Act and Endangered Species Act reauthorizations, mining law reform, and the Teaming with Wildlife initiative. The Legislative Committee in the Parent Society has a steward for developing Legislative Briefing Statements. The steward will contact chapters, and ask the chapters to contact Senators, Representatives, and other legislators as needed.

Bob next discussed AFS 2000 and a variety of other topics. This initiative is coming along nicely. The membership goal is to raise \$350,000. The overall goal is \$1,250,000. The money will be used to create a trust fund to support publishing activities and to pay off AFS debt. Membership was off for 1997. Normally about 500 members don't renew, but this year, 1200 didn't renew. The parent society will work with the chapters to try to contact these delinquent members. There is also a campus network trying to draw new student members. There is a plan for Recertification. Every five years, AFS certification will be renewed. To renew certification, one must accumulate Continuing Education Credits (CECs). The Fisheries Action Network has been renamed. It is not the Fisheries Information Network. Its purpose is to develop information about key fisheries issues.

For the past four years, the Parent Society has operated with a deficit ranging from \$10,000 - \$80,000. The society is cutting into capital reserves to cut the deficit. This year they are in the black, primarily due to three layoffs. The Parent Society needs to re-examine finances in order to insure a stable financial future.

The 1997 Parent Society program will be held in Monterey, California, and it looks like it will be a good program. Bob is looking for people to get involved with Parent Society committees. Bob concluded his remarks by answering a few questions.

Doug Stang inquired if there was any old business from the floor. There was none. Don Einhouse inquired if everyone present had an opportunity to vote. Everyone indicated that they had, so the polls were closed.

Paul McKeown discussed the strategic Plan. The Plan was started when the Parent society and the Northeast Division developed strategic plans. The purpose of the plan is to outline the direction for the chapter. A first draft was published in the spring newsletter, revised based upon comments received, and published again in the winter newsletter. The major intent of the plan is to provide continuity and guidance for the officers and the membership. Several components of the plan were then discussed:

- 1) Professional Enhancement and Recognition: Candidates would be nominated from the membership for Chapter, Northeast Division, and Chapter awards, as well as the Chapter itself competing for the Outstanding Chapter Award.
- 2) Professional service: This was defined as providing information and field assistance, if requested. A member asked would it be possible to put money into the budget and request that the Chapter perform some task. Paul responded that money may already be available in the Chapter to provide professional assistance, however, it would be more likely that the reverse would occur. For example, if someone had a project or proposal for the Chapter to participate in, such as the BMOC project, the Chapter could ask members to participate on their own time, or with the permission or direction of their employer.
- 3) Advocacy: Regarding advocacy, the plan states that if an issue came up that the membership thought the Chapter should take an advocacy role in, they should develop an action plan and submit it to the EXCOM for consideration, and then to the general membership.
- 4) Representation: The Plan states that the Chapter will be represented by the Chapter President at the Northeast Division and Parent Society. Members are encouraged to join the Parent Society.
- 5) Finance: According to the Strategic Plan, the Chapter should always operate under a balanced budget.
- 6) Operations Protocol: The strategic Plan is not an operations manual. It does not replace the bylaws or the Procedures Handbook.

7) Student Subunit: The New York Chapter has a student subunit that has representation on the EXCOM and is funded by the Chapter.

A motion was made that the plan be accepted. A short discussion followed. Chuck Kreuger suggested that the plan be formally reviewed every five years. Dave Lemon asked whether or not a process should be included for selecting workshop topics. Tom Field responded that such a process was a good idea, but not really strategic. Doug Stang agreed that the plan should provide basic guidance and have only a general focus. A list of potential topics was available, but whoever worked on the workshop committee should have final responsibility for the topic. Chris Lowie commented that the topic of the last workshop was chosen at the Feb/Mar 1996 EXCOM meeting. Ed Mills stated that the membership's interest should be determined before selecting a topic. Doug Stang stated that the next time topics are reviewed, the EXCOM will consider ideas for a process for selecting workshop topics, and that potential topics should be reviewed with the membership at the next business meeting.

The discussion ended and a vote was held. The plan passed as amended (review plan every five years).

Following the approval of the Strategic Plan, Doug Stang asked for committee reports.

Audit and Finance

Tom Field found a discrepancy in the books. The bank statements showed that there was \$86.14 more in the bank than the treasurer's record showed. However, he can't find where the error comes from. There was a check written for the same amount, \$86.14, but it appeared to have been properly processed by both the bank and the treasurer. The committee approved the books and the treasurer will continue to investigate the discrepancy. The Chapter has almost reached the \$25,000 goal identified by the Cash Reserves Committee in 1990. the EXCOM has decided to implement the CRC recommendations. The two-year \$10,700 CD will be broken down into two \$5,000 CDS that mature in alternate years. A high yield investment opportunity will be mad using \$5,000 from the savings account. That will leave between \$5,000 - \$7,000 in the checking account for operating expenses, and \$2,000 - \$3,000 in savings. Doug Stang and John Homa will form a committee to seek out the aggressive high yield investment account.

Environmental Concerns

Howard Simonin reported that the Chapter had supported reauthroization or the Magnuson Act. That act was reauthorized by Congress this past Fall. Other legislation is up for reauthorization such as the Endangered Species Act and the Clean Water Act that the committee may want to support. Howard is looking for anyone who would like

to join the Environmental Concerns Committee.

Program

Kyle Hartman thanked Doug Stang and Allen Peterson for their support and assistance in setting up the program. He highly encouraged the submission of abstracts over electronic media. Fourteen contributed papers were received as well as four posters.

Resolutions

Dave Bryson reminded the membership that they had approved a resolution requesting that New York adopt an instream flow policy. New York is now working on adopting instream flow regulations. One possible concern for the future dealt with instream gravel mining. The National Marine Fisheries Service (NMFS) developed a nationwide policy for gravel skimming and mining. The U.S. Fish and Wildlife Service has proposed rulemaking to adopt the NMFS policy. One possible resolution would request that the NYSDEC develop Best Management Practices for gravel mining. He will continue to explore this idea.

Membership

Lars Rudstam reported that current membership was 340. He continued on from Bob Carline's comments about the delinquent membership. He stated that the Chapter will do some follow-up to try to bring delinquent members back.

Professional Incentives

Paul McKeown reported that the Professional Incentives Committee was working to obtain state recognition of AFS certification. He would also be glad to write to other employers requesting that they provide some recognition or incentives for employees with AFS Certification. Several award actions were still ongoing. Edward Mills was renominated for the Northeast Division's Dwight Webster Award. John Forney was nominated for the Parent Society's Award for Excellence.

The EXCOM received several nominations for awards for 1997. Carl Scoefield, Cliff Schneider, and Richard Colesante were nominated for Professional Achievement awards. All nominations were approved. Neil Ringler would receive the Professional Achievement award from last years's nomination at the Banquet following the business meeting.

Workshop Committee

Chris Lowie reported on the 1996 Workshop. It was a very successful workshop on Stream Habitat Assessment. There were 56 attendees. The workshop was written up in an article in "Fisheries". Now, he was looking for a topic and a volunteer for 1997. Continuing Education Credits should always be requested for future workshops. The committee should have the CEC request approved before the workshop. Submit the request to the Parent Society as early as possible. Don Einhouse conducted a survey at the business meeting two years ago, and developed a list of possible workshop topics of interest to the membership.

Student Affairs

Margaret Murphy was trying to get students from across the state involved. She has planned a student meeting for 8:00 PM, after the banquet. She plans on visiting 2-3 schools during the coming semester.

Youth Education Committee

Chris Lowie reported that the Youth Education Committee was formed a year ago, and had 4-5 members. The mission and objectives were to promote aquatic education among youth; work with the NYSDEC and other state programs such as SAREP. The committee has worked to get more involved with the SAREP program. They are working to contact and work with the new SAREP director, because Bruce Matthews, the former director is gone. The committee needs the active support of the Chapter membership.

Doug Stang then reviewed his budget for the past year and how the expenses for 1996 actually compared. Membership was down a little, so income from dues was down. The Parent Society will be cutting out the Chapter rebates, so that will be another loss of future income. The Chapter was somewhat ahead, because Doug did not need to use Chapter funds to travel to the Parent Society and Northeast Division EXCOM meetings. He ended the year about \$1,500 ahead of the projected budget.

Election results were announced. Margaret Murphy was chosen as President-Elect, and John Homa was Chosen as the Secretary/Treasurer-Elect.

Doug Stang thanked the Chapter and the EXCOM for their support during his tenure, and commented on the excellent reputation of the New York Chapter. As he stepped down Lars Rudstam was escorted to the podium and was installed as the New York Chapter President for 1997.

Lars thanked Doug for his excellent job as Chapter President. He stated that he

would take steps to have future workshop topics announced at the annual business meeting. He had received a letter from John Long, a representative of the Charter boat Fishing Industry that the Chapter hold the annual meeting next year at Niagara Falls. Ed Woltman asked that he keep in mind the distance some members would have to travel. Lars responded that the request would be thoroughly discussed at the next EXCOM meeting.

Everyone was encouraged to purchase raffle tickets, and the meeting was adjourned at 6:18PM

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Timothy J. Sinnott". The signature is fluid and cursive, with a large initial 'T' and 'S'.

Timothy J. Sinnott
Secretary/Treasurer
NY Chapter, AFS



Accept

NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY
c/o NYSDEC, Room 530, 50 Wolf Road, Albany, New York 12233-4756

EXCOM Meeting Minutes
January 30, 1997

The meeting was called to order at 7:08 PM. The following members were present: Tony VandeValk, Doug Stang, Howard Simonin, Margaret Murphy, Paul McKeown, John Homa, Don Einhouse, Tom Field, Lars Rudstam, Tim Sinnott. Kyle Hartman arrived at 8:03PM. Bob Carline, Parent Society President-Elect was present also.

The minutes of the previous EXCOM committee meeting were distributed, reviewed, and accepted with corrections. The treasurer's report for 1996 was distributed, reviewed, and accepted.

After the treasurer's report was accepted, Tim S. pointed out that the CD would mature in the next 30 days. The EXCOM needed to determine what to do with the CD. Tom Field stated that the Cash Reserves Committee (CRC) report called for two CDS that matured in alternate years, and a more aggressive, high yield investment. Also, to manage the high yield investment, an investment committee should be formed with the Treasurer as the chairmen. After discussion, it was decided to replace the current CD with a one year and a two year CD, both with \$5,000. The balance would be put into the checking account. \$5,000 could then be taken out of the savings to invest in some type of high yield investment account. That should leave about \$5,000 in the checking account for operations, and \$2-3,000 in savings. John H. and Doug S. agreed to form the investment committee.

President Doug Stang reviewed correspondence received by the Chapter:

1. Letter from the NY Chapter, The Wildlife Society, requesting participation on the "Teaming With Wildlife" initiative. Assistance was needed in writing to manufacturers of outdoor equipment and to legislators requesting their support. Howard recommended that we provide financial support. Margaret suggested that students could participate in mailing letters. Doug agreed that we should provide financial support. Lars was willing to write a one-time letter. Perhaps the AFS chapter could do one mailing. Doug will coordinate with ~~Sin~~ Free, and refer him to Lars.
STH
2. Response to the follow-up letter to Commissioner Zagata about our Chapter participating in Aquatic Education. It didn't really say anything.
3. The Chapter wrote a letter to John Major requesting DEC provide

professional recognition for AFS Certification. Letter has to be re-written because John is no longer Fish and Wildlife Division Director. Also, the Chapter is willing to write letters to other employers requesting that they recognize AFS certification.

4. Letter received from the California/Nevada chapter, the sponsors of the 1997 Parent Society Annual Meeting. They are soliciting donations for the raffle. We donated duck stamps and prints for the 1996 raffle. The committee agreed to donate duck stamps and prints for the 1997 raffle. Doug will handle.

5. Lars received a packet from the Northeast Division about the Outstanding Chapter Award. Doug and Paul will help him put together an updated "tried and true" packet that has been used successfully in the past.

Strategic Plan

Paul McKeown discussed the Chapter's Strategic Plan. Drafts of the plan were published in two past newsletters. Only a few comments were received. He wants to discuss the plan at the business meeting and vote on its adoption. It must pass with 2/3 of the majority, and a quorum must be present at the meeting. Tom Field thought the plan was well prepared, but he wondered about the chapter's role in "data collection". Paul explained that the plan states that the chapter would be available to assist in data collection efforts if ever requested. Advocacy was also discussed briefly. The EXCOM approved the plan and recommended that it be brought before the membership at the business meeting.

Old Business

Doug asked if anyone had any old or unresolved issues to bring up. No one did.

Committee Reports - Finance

Tom Reported that the finance issues had all been discussed when the CD renewal issue was discussed. He would be auditing the books during the meeting. The finances were right on track with the projections he made several years ago.

Environmental Concerns

Howard S. had no new items to raise. He hadn't had an opportunity to discuss eel management with Dave Bryson. Eel management had been raised as a possible environmental concern at the last EXCOM meeting. Finally, he would mention at the business meeting that the Magnuson Act reauthorization, which the chapter actively supported, had been passed.

Program

Everything is in place and the meeting is ready to begin. Four of the out-of-town speakers have arrived. All money from the raffle put into one pot. ~~Any~~ profits will be split, pro-rated by attendance. One contributed speaker canceled. *ALL*

Resolutions

Dave Bryson was not there, no report.

Nominations

Don Einhouse reported that the nominees for President-Elect for 1997 are Mark Malchoff and Margaret Murphy. The nominee for Secretary/Treasurer-Elect is John Homa.

Membership

Lars Rudstam reported that a membership delinquency letter was received from the Parent Society. The letter identified Parent Society members that did not renew their membership. The Chapter should contact delinquent members and request that they rejoin. Only about 38 from the New York Chapter were on the list. The society lost about 700 members nation-wide.

Newsletter

Tony VandeValk reported that the deadline for the Spring Newsletter would be as stated in the Procedures Manual. The article could include the business meeting minutes and a feature article. Tony asked what everyone thought about the quality of the photocopied scanned photograph that was in the last newsletter. Everyone thought it was fine.

Professional Incentives

Paul McKeown reported about the activities of the professional incentives committee. He would re-do the letters to the new commissioner and Fish and Wildlife Division Director requesting that DEC recognize AFS Certification. At the business meeting he will announce that he will write letters to other employers as well on behalf of the NY Chapter requesting that they recognize AFS Certification. Ed Mills was nominated for the Dwight Webster Award last year. He was not selected, but his nomination was re-submitted this year. John Forney's name was submitted for the Parent Society's Award of Excellence. This year, Neil Ringler would receive the Chapter's Professional Achievement Award. Three candidates would be nominated for Professional Achievement Awards at the 1997 business meeting. These are Richard Colesante, Carl ~~Scofeld~~, and Cliff Schneider. Bob Carline mentioned the Carl Sullivan Award given by the Parent Society. Not many nominations have been made. The nominee does not have to be a member of the society.

Scfoeld CLIF

Workshop

Doug will review the 1996 workshop report at the business meeting. The workshop was written up in "Fisheries". All feedback was positive, attendees thought the workshop was worthwhile. Topics for the next workshop would be briefly discussed at the business meeting. Don Einhouse conducted a survey for workshop topics a couple of years ago. That list should be used to pick new topics. CECs would be awarded. CECs should always be requested for future workshops.

Professional Diversity

Betty Lou Brett was not present, no report.

Student Affairs

Margaret Murphy reported that a student meeting was planned for Friday afternoon. She will try to visit 2 or 3 schools during the coming year. She has the AFS video to use as a recruiting tool. It will help them see the benefits of participating.

Youth Education

Doug Stang reported for Doug Carlson. The committee is thinking of disbanding itself. They are disappointed that there wasn't more enthusiasm in the Chapter. Doug Carlson is part of the group working with the Cornell, reviewing the Aquatic Resources Education Program. The committee wanted a bigger role working with DEC.

Bob Carline was invited to speak. He stated that he only wanted to discuss the membership issue at the business meeting.

The meeting was adjourned at 8:35 PM

Respectfully submitted,



Timothy J. Sinnott
Secretary/Treasurer
NY Chapter, AFS

EXCOM Meeting Minutes, 4 April 1997

The meeting was called to order at 10:33 AM. The following members were present: Margaret Murphy, Paul McKeown, Doug Stang, Tony Vandevalk, Howard Simonin, Dave Lemon, John Homa, Lars Rudstam, Tim Sinnott, Betty Lou Brett

The minutes of the 30 January 1997 EXCOM meeting and the 1997 annual business meeting were distributed and reviewed. Corrections and comments were recorded and both sets of minutes were approved.

No written treasurer's report was provided. Tim gave an oral summary of the status of the treasury and the CD transactions.

The first topic of discussion was the 1997 annual meeting. Attendance was poor, and Lars wondered if this was a trend. Student turnout was about normal. The previous ecosystem-type conferences were better attended. Maybe the Chapter needs to continue with topics along those lines. John Homa asked whether or not pre-registration might help attendance. Tim responded that it had been discontinued in the past because very few people pre-registered. Doug thought perhaps people might prefer Wednesday-Friday meetings instead of meetings that end on Saturday. We should also underestimate the count because it's easier to increase the headcount for meals than to reduce it.

1998 Annual Meeting

Everyone agreed that the Owego Treadway was getting too pricey, and that we should consider moving the meeting. Howard agreed to check into The Beeches, Lars would check out locations at Syracuse, perhaps the Sheraton in Liverpool, and Dave would check out the White Eagle. It was also agreed that the afternoon refreshment break would be dropped, and that the Wednesday-Friday schedule would be tried for the 1998 meeting. The meeting dates were set for 29-31 January 1998 [clarify]. Allen Peterson would be asked to solicit prices from the Owego Treadway. John recommended that we check for conflicts at all locations with ski groups.

After a length discussion, the EXCOM selected "How Clean is Clean enough? The Impacts of Water Quality on Fisheries" as the topic for the 1998 meeting. Some recommendations for a program committee included Chuck Kreuger and Doug Peterson from Cornell, and Mike Flaherty from DEC Region 3.

1997 Workshop

Topics for the 1997 workshop were discussed. Steve Stehman would be available to conduct a workshop on Fisheries Statistics in early September. It could be held at the ESF campus so that computers could be made available. An alternative topic was that the Power Squadron could conduct a workshop on boat safety,

navigation, and small boat handling. This would be similar to the aquatic safety workshop that was held last in 1994. Both were acknowledged as good ideas, however, the statistics workshop was considered to be the number 1 option.

Teaming With Wildlife

Stu Free contacted Lars and asked if the NY Chapter would support the Teaming with Wildlife initiative. He wants letters sent from the chapter to New York Legislators, businesses, and other addresses. If we did not want to participate, would we help underwrite the effort? The EXCOM voted to donate \$500.00 to support the effort.

Resolutions

It was suggested that we develop a resolution to support the Sportfish Restoration Act Reauthorization. Tony checked the bylaws, and found that the EXCOM can act on behalf of the chapter. Once a resolution was prepared to support the act reauthorization, the EXCOM would vote on it.

Delinquent Members

Lars received a short list of about 30 members of the Parent Society that had not renewed. Margaret will write a letter requesting that they re-join.

Budget

Lars distributed the new budget. A few changes were made, as annotated on the budget (attached). It was decided to increase the donation to AFS 2000 from the previously-approved \$200 to \$250. This was approved and the budget was accepted.

Environmental Concerns

Howard brought up the Parent Society Position Statement on Biodiversity. He asked whether or not the chapter should write a letter in support? He proposed that we focus on ecosystems and on keeping what we have. Also discussed was the Supreme Court decisions that partially upheld the Endangered Species Act. The decision states that habitat cannot be impaired, but habitat protection can be considered an infringement of property owner rights. It was recommended that we not write a letter on the biodiversity position statement.

Professional Incentives

Paul reviewed the status of recognition actions. John Forney was nominated for the Fisheries Management Section's Award of Merit, and the Parent Society Award of Excellence. Ed Mills was nominated for the Northeast Division's Dwight Webster Award. Three professional achievement awards were approved at the 1997 business meeting: Rip Colesante, Carl Schofield, and Cliff Schneider. He wrote letters to Gerry Barnhart, Acting Director of Fish and Wildlife, and Doug Stang, Acting Bureau of Fisheries Chief about recognition of AFS certification. He also wrote a letter on the same topic to O'Brien and Gere, Engineers. Margaret reported that it was not received well.

Newsletter

The deadline for spring passed. Tony was still awaiting articles. Lars promised an advertisement for a program committee chairman. The next deadline is 31 July 1997.

Student Affairs

Margaret is planning a get together with students in May. She held a student sub-unit meeting immediately after the banquet. It was well attended and lasted about 1.5 - 2 hours. She is going to visit schools this spring, starting with Siena. She will speak at the Biology club as an alumni guest. Dave Nettles wants to be involved with the student subunit. There is good contact with E-mail.

Professional Diversity

Betty Lou reported that more women are needed. There are women in the chapter that could be more involved. She thinks that next year's meeting topic might be of more interest to women in general. Diversity issues could be built into the topic. For example, water quality and health issues, and water quality and productivity. Betty Lou was willing to work on the program committee.

The date for the next meeting was set for 10:30 AM, Wednesday, 30 July at Shackelton Point. The meeting was adjourned at 1:57 PM

Respectfully submitted,



Timothy Sinnott
Secretary/Treasurer
NY Chapter, AFS

Agenda for NYS-AFS Excomm meeting

April 4th at 10:30 am

at Shackelton Point - Cornell Biological Field Station

Welcome

Minutes

Sinnott

Treasurer's Report

Sinnott

98 Annual meeting

Rudstam

97 Workshop

Lemon, Lowie

Teaming with wildlife

Rudstam

Suggestion for resolution (from Missouri)

Delinquent members - we now know how they are.

Budget for 97.

Rudstam

Other Committee Reports -

- a) Environmental Concerns - Howard Simonin
- b) Membership - Margaret Murhpy
- c) Resolutions: Dave Bryson
- d) Professional incentives: Paul McKeown
- e) Newsletter - Tony Vandevalk
- f) Student affairs -Margaret Murphy
- g) Professional Diversity: Betty Lou Brett
- h) Youth Education: Chris Lowie, Doug Carlsson

Other items

Next meeting

Summary of 1996 Expenditures versus the Projected

NYC-AFS 1996 Annual Budget

	<u>PROJECTED</u>	<u>ACTUAL</u>
<u>REVENUES</u>		
1997 Annual Meeting	\$5,500.00	\$5,270.00
1996 Membership Dues	\$2,500.00	\$2,380.00
1996 Rebate	\$500.00	\$826.00
Interest	\$700.00	\$918.00
Raffle	\$1,200.00	\$453.00
1996 Workshop	<u>\$4,000.00</u>	<u>\$4,040.00</u>
Total	\$14,400.00	\$13,887.00
 <u>EXPENDITURES</u>		
1997 Annual Meeting	\$5,500.00	\$8,627.94
Office Supplies	\$100.00	\$24.00
Postage	\$400.00	\$445.00
Newsletter/ Directory	\$700.00	\$552.00
1996 Workshop	\$4,000.00	\$4,272.00
Raffle	\$300.00	\$23.40
Donations	\$300.00	\$200.00
Stipends - Best Paper to NEFWC	\$300.00	\$100.00
Stipends - Students, annual mtg	\$400.00	\$315.00
Travel (NED & AFS)	\$1,050.00	\$0.00
Miscellaneous	\$50.00	\$0.00
Total	<u>\$13,100.00</u>	<u>\$14,559.34</u>
 NET END-OF-YEAR (+/-)	\$1,300.00	(\$672.34)



NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY
c/o NYSDEC, Room 530, 50 Wolf Road, Albany, New York 12233-4756

EXCOM Meeting Minutes for July 30, 1997

The meeting was called to order at 10:38 AM. The following members were present: Lars Rudstam, Paul McKeown, Tony VandeValk, Dave Lemon, Doug Stang, Margaret Murphy, Tim Sinnott, Betty Lou Brett, John Homa

Minutes of the last EXCOM Committee meeting were distributed, reviewed, and accepted with edits.

Treasurer's report was distributed, reviewed, and accepted.

Doug reported that three New York State Duck Stamps/Prints (1995, 1996, & 1997) were donated to the California Chapter for the raffle at the Parent Society Annual Meeting.

LETTERS

A letter from the NY Chapter of the Wildlife Society was received, thanking us for our donation to the Teaming with Wildlife project. Lars wrote a letter in support of the project to New York Legislators. A general response was received from Sen. Moynihan.

Lars sent out the resolution in support of the Wallop Breaux tax on gasoline for boats. No responses received as of yet. No action on the reauthorization bill (Sportfish Restoration Act) yet, mostly just discussion.

A letter was received announcing a leadership conference on Friday at the Parent Society annual meeting.

A letter was received from the Attorney General's office requesting the NY Chapter, AFS be part of a "State of the Environment" conference.

A receipt for the Chapter's AFS 2000 donation was received.

A letter was received from the Army Corps of Engineer's requesting input about ideas and suggestions for improving aquatic recreation. Doug stated that it was a form letter and BoF got one also.

A letter was received requesting input about women and minority issues and participation. Lars answered the letter.

A letter was received requesting monetary support for a symposium about human interactions with aquatic organisms issues at the Parent society meeting.

PARENT SOCIETY CONSTITUTION

Margaret pointed out that the June issue of Fisheries requested input on changes to the AFS constitution. The current constitutions calls for student sub-units to be aligned under individual academic institutions. This shouldn't be, it would disqualify our own student sub-unit. Doug recommended that in addition to responding to the Fisheries article, the Chapter should contact Donna Parrish of the Northeast Division. Divisions have the only voting members on the Parent society executive committee. The proposed change would be to change "individual" academic institutions to "groups" of academic institutions, and change the requirement for a faculty advisor to an AFS member as the advisor. Lars will bring up the issue at the Parent society business meeting. Doug recommended that Charles Coutant be contacted in advance.

Doug distributed a list of past presidents, honorary members, and professional Achievement award members for review. Paul added Bob Engstrom-Heg, and Betty Lou added C. Lavett Smith. Tim will check with them to confirm awards and find out the year the award was made.

1998 ANNUAL MEETING

Betty Lou reported that two speakers had been confirmed. Jim Haynes would present an overview, and Irving Wirgin would give a talk on mRNA. Other speakers that ave been invited are Michael Mack, USFWS, to talk on toxics and administration policy; John Geisy, USFWS, to talk on pollutants and the immune system; Richard Peterson, University of Wisconsin; Tom Todd, USFWS; and Cliff Schneider of New York DEC. Lars said that Ed Mills had a letter from someone conducting a study of the affects of fish consumption on couples planning to get married, who might be a good speaker. Tim recommended Jim Colquhoun form DEC, Tom Joliff or someone from ESLO, who advocates increased phosphorous discharges to Lake Ontario, or John Fitzgerald who is studying the affects of thiamine deficiency in lake trout. Lars thought that discussing eutrophication issues was also a good idea, and Phil Ryan could speak on the impact of decreases of productivity on fish populations. Other ideas for speakers included Barb Knuth on social and cultural issues, Joe Buttner on mitigating mirex pollution by raising fish in cages. Betty Lou recorded these suggestions.

After a lunch break, the meeting location was discussed. Lars displayed a matrix of costs and features of the Treadway Owego, Beeches in Rome, Holiday Inn Cortland, Holiday Inn Syracuse, Embassy at Syracuse, and the White Eagle conference center in Hamilton. After a short discussion, it was decided to go to the Owego Treadway again. Allen Peterson is willing to do the arrangements.

It was agreed that any student that gave a paper would get free registration.

1997 WORKSHOP

Dave Lemon reported on the plans for the 1997 Workshop. The topic will be Boat Safety, Handling, and Navigation. The workshop will be held on Wednesday, 24-25 September at the Holiday Inn in Cortland, and will consist of 12 hours of course work. The course work will be conducted by the Power Squadron, and will come from the Boat Licence Certification Program. The Power Squadron believes that this certification will someday be mandatory to operate a power boat. A total of 20 hours of training is required. anyone that takes this workshop, and took the 1994 Boat Safety workshop will be eligible to receive the certification.

The cost of the books will be about \$12 - 15. Attendees will pay for their own arrangements. the Holiday Inn put together a package rate that included dinner on Wednesday and Breakfast on Thursday. there is no cost for instructors, but a donation to the Power Squadron was requested. There are no insurance requirements, and no field activity. Preregistration is required, and Dave will get an announcement out in the next newsletter.

Dave also attended a Statistics workshop in Virginia. It was conducted by the Fisheries Information Network (FINS). This is a good program idea for next year. Dave will check on the costs to bring the FINS workshop to New York. Doug reminded the EXCOM that the Northeast Division would provide stipends to cover the costs of workshops. The U.S. Fish and Wildlife Service covered the cost of flying the in the workshop presentation in Virginia.

John mentioned that some of his staff recently took a 24 hour course on working in a hazardous waste site. That could be another for a future workshop idea - handling toxic chemicals.

NORTHEAST DIVISION REPORT

Doug attended the Northeast Division EXCOM Meeting and provided a report. There were almost no committee reports. Instead, chapters gave reports. Doug gave an oral report for New York that was followed up with a written report. Most chapters reported that they were trying to increase student participation.

The Northeast division is trying to think of ways to increase participation at their annual meeting. One suggestion was to hold a "fisheries only" social. Another idea is to conduct the warmwater and coldwater workshops in conjunction with the annual Northeast F&W Conference. This year's coldwater workshop will be the last coldwater workshop not held in conjunction with the

annual meeting. At this year's annual meeting the Northeast Division held two symposiums about using the media to our advantage. If anyone has any ideas for Northeast Division workshops, they should contact Donna Parrish. The Division is still looking to set up a program committee to plan annual meeting content so that the host state only has to make the arrangements.

STUDENT RETREAT

Margaret Murphy conducted a student retreat on 17 May. Seven students attended: three from ESF, three from Cornell; and one from Oneonta. Two goals for the student sub-unit were proposed: 1) provide support for students entering the fisheries profession, and 2) provide support for students in-between, for example, graduates not yet in grad school. They would like to start a mentoring program, and are looking for volunteers. The mentors would help guide students into programs. Margaret will try to get a written report to Tony for the newsletter.

The students also developed a "to do" list, that included items such as: fall weekend at Huntington; field sampling technique training; and presentation technique training. They need to raise funds for a 1998 meeting. Some of the fund raising ideas included selling T-shirts, coffee mugs, caps, and cookie cutters. The students would like to run the raffle at the annual meeting, and elect sub-unit officers at the annual meeting. Margaret will be e-mailing other students in August to get them active and involved.

Paul McKeown commented on the need for a well-run raffle to buffer over-budget costs from the annual meetings.

ENVIRONMENTAL CONCERNS

No Report, Howard was unable to attend. John reported that a bill had been introduced about water level management for the Oswego River basin flood control, that might be of interest for the Environmental concerns committee.

MEMBERSHIP COMMITTEE

Margaret received a list of delinquent members from the Parent Society. Many may no longer be members of the New York Chapter as well. Margaret recommended that she sent a letter only to delinquent Parent Society members that are active members of the New York Chapter. She also requested that a blank be added to the membership application for e-mail addresses. Tim said that he would make the change.

RESOLUTIONS COMMITTEE

No report.

PROFESSIONAL INCENTIVES COMMITTEE

Paul McKeown announced that DEC will recognize AFS certification. If an applicant for a fisheries job is AFS Certified, they can be hired at the Grade 18 level instead of the Grade 13 level. He also announced that John Forney was inducted into the Fisheries Management Hall of Excellence at the Fisheries Management Section business meeting. He is looking for nominations for next year. Betty Lou recommended Jim Haynes. Paul requested a formal nomination.

NEWSLETTER COMMITTEE

Tony VandeValk stated that the deadline for articles was tomorrow. People need to let him know if they are going to submit something. Betty Lou would submit a call for papers, Margaret would submit a write-up about the student subunit, Dave would submit an announcement for the workshop, and Lars would submit a letter from the president. Tim would do a feature article if he was able to get it done in time. 31 August was the distribution date for the next newsletter. the deadline for submissions for the fall newsletter would be 30 November.

PROFESSIONAL DIVERSITY COMMITTEE

Betty Lou Brett reported that she was trying to get Barbara Knuth to speak at the Annual Meeting. Another suggestion was Anne Secord with the Fish and Wildlife Service.

YOUTH EDUCATION COMMITTEE

the committee has a goal of getting a new SAREP director hired. Doug reported that a new director has been hired. he is Chris Broome from the Oswego County Cooperative Extension.

7 November 1997 was set as the date for the next EXCOM meeting, at Shackleton Point. The meeting would start at 10:30 AM. this meeting was adjourned at 1:49 PM

Respectfully submitted,

- ORIGINAL SIGNED -
Timothy Sinnott
Secretary/Treasurer
NY Chapter, AFS

From: Lars Rudstam <lgr1@cornell.edu>
To: Paul McKeown <pemckeow@gw.dec.state.ny.us>, "Donal...
Date: 11/18/97 5:14pm
Subject: ?

Memo 11/14/97

To Excomm

From Lars Rudstam

RE Excomm meeting, sicknesses and the weather.

We had a very small excomm meeting today. The weather made it impossible for anybody not living in Syracuse to make it to Shackelton Point. Margaret, Tony and I had a small meeting, and we also talked with Betty Lou Brett, Doug Carlson, Dave Lemon, Tim Sinnott, Allan Peterson, John Homa and Doug Stang. Unless someone in the excomm objects, we will not reconvene until the Annual Meeting. Below is a status report for our Chapter. This will serve as a sort of minutes from this meeting and my discussions with excomm members. I ate too many doughnuts though.

Tim Sinnott will send out minutes and Treasury report from last meeting to the excomm members. I did not see any changes necessary on my copy.

Letters and activities:

The Missouri Chapter is sending a resolution to support the work of the parent society officers and asked for other chapters to do the same. Although we feel the parent society is doing a good job, we did not feel that resolutions should be used for this purpose and filed this request.

NED will have a warmwater workshop in association with the annual meeting in May. It will be on stocking walleye and maybe esocids. Our Mark Olson is the organizer.

Joe Elrod asked if the society would like to receive his old journals as a donation. We like to receive them and would advertise in the newsletter for a good home (field station, small library etc.)

Bob Carline asked for input on the next years program development plan, specifically how the parent society may contribute to the chapter's activities. We could use support for pushing professionalism (certification) and a monetary backup for workshops and annual meetings. Any other ideas? Lars will write a letter.

Workshop:

Dave Lemon and Tim Sinnott report that workshop went well, about 70 participants learned about navigation and safety. Well attended and successful. Also (about \$300) income to the chapter. Excellent work Dave - Thanks.

Annual meeting:

Betty Lou and Allan have things under control. Betty Lou has an interesting list of speakers lined up, including Jim Haynes, Jim Calquhoun, Joseph Buttner, Isaac Wirgin, Barb Knuth, George Noguchi and possibly Michael Mac.

Allan has the contract signed with Owego. Total cost looks similar to last year.

We discussed price for annual meeting. We propose to ask for \$60.00 per member, \$70 for non-members and \$40 for students. This will likely cause a deficit, but we felt that higher prices would keep attendance down. We consider subsidizing the annual meeting to be a reasonable use of the annual membership fee. Allan and I will go through the contract in December. However, we will have to discuss how to continue the annual meeting at a reasonable cost next year and I might bring this up at the business meeting.

Membership Current membership is 303.

Other Committee reports (somewhat short)

Nominating - Two candidates will be presented in the newsletter, but Doug Stang did not tell me who they were yet.

Membership Current membership is 303

Professional incentives no report - looking for new chair for next year

Newsletter - DEADLINE is November 30. DO NOT BE LATE THIS TIME. WE NEED THIS NEWSLETTER TO GO OUT BEFORE CHRISTMAS. We are also looking for a new newsletter editor for next year.

Student affairs - student meeting planned in Owego.

Youth education Doug Carlson suggests closing this committee down, as he did not see much enthusiasm for the topic. Margaret and I suggest keeping it as it gives us a contact person to deal with issues of youth education. We will discuss it at next excomm.

Lars Rudstam

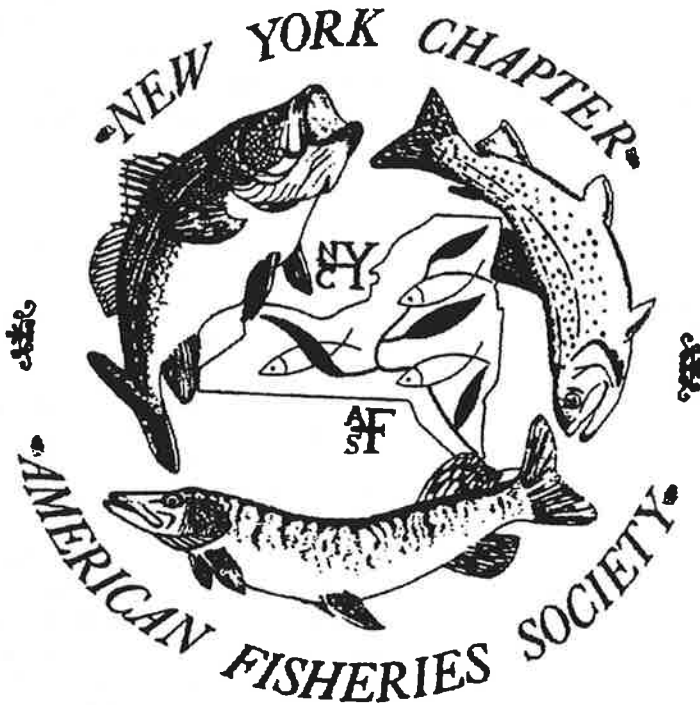
Cornell Biological Field Station
900 Shackelton Point Road
Bridgeport, NY 13030
LGR1@Cornell.edu

DEC 22 1997

JA INC.



New York Chapter - American Fisheries
Society Newsletter Spring 1997



1997 New York Chapter Officers:

President: Lars Rudstam President-Elect: Margaret Murphy
Past President: Doug Stang Secretary-Treasurer: Tim Sinnott
Secretary-Treasurer-Elect: John Homa

Committees:

Environmental Concerns:	Howard Simonin
Audit/Finance	Tom Field
Program	Betty Lou Brett
Resolutions	Dave Bryson
Nominating	Doug Stang
Membership	Lars Rudstam, Margaret Murphy
Newsletter	Tony VanDeValk
Professional Incentives	Paul McKeown
Workshop	Dave Lemon
Professional Diversity	Betty Lou Brett
Student Affairs	Margaret Murphy, Dave Nettles
Youth Education	Chris Lowie, Doug Carlson

Publication Statement

Title:	New York Chapter American Fisheries Society Newsletter
Issue Date:	April 25, 1997
Frequency:	The NYC AFS Newsletter is published three times annually: March-April (Spring edition), July-August (Summer edition), and November-December (Winter edition).
Newsletter: Address:	Mr. Anthony VanDeValk Cornell Biological Field Station 900 Shackelton Pt. Rd. Bridgeport, NY 13030
Issue Number:	Spring, 1997

Chapter News

1997 New York Chapter AFS Annual Business Meeting Minutes

January 31, 1997

The meeting was called to order at 4:55 PM. A quorum was determined to be present. The agenda was accepted. Copies of the business meeting from last year were distributed and reviewed and accepted. The annual treasurer's report was reviewed and accepted.

Bob Carline, the AFS Parent Society President-elect was introduced and invited to make a few remarks. He said that the AFS office tries to attend all chapter meetings and get feedback about what the chapters want from the Parent Society. If anyone has any comments, talk to him (Bob) during the rest of the meeting. He then talked about legislation. Congress did not do much this past year. The Magnuson Act was re-authorized. A briefing statement for the Magnuson Act went to the Marine Fisheries Network. Most of the comments included in the legislative briefing statement were included in the final legislation. Other important issues coming up are the Clean Water Act and Endangered Species Act re-authorizations, mining law reform, and the Teaming with Wildlife initiative. The Legislative Committee in the Parent Society has a steward for developing Legislative Briefing Statements. The steward will contact chapters, and ask the chapters to contact Senators, Representatives, and other legislators as needed.

Bob next discussed AFS 2000 and a variety of other topics. This initiative is coming along nicely. The membership goal is to raise \$350,000. The overall goal is \$1,250,000. The money will be used to create a trust fund to support publishing activities and to pay off AFS debt. Membership was off for 1997. Normally about 500 members don't renew, but this year, 1200 didn't renew. The parent society will work with the chapters to try to contact these delinquent members. There is also a campus network trying to draw new student members. There is a plan for Re-certification. Every five years, AFS certification will be renewed. To renew certification, one must accumulate Continuing Education Credits (CECs). The Fisheries Action Network has been renamed. It is now the Fisheries Information Network. Its purpose is to develop information about key fisheries issues.

For the past four years, the Parent Society has operated with a deficit ranging from \$10,000 - \$80,000. The society is cutting into capital reserves to cut the deficit. This year

they are in the black, primarily due to three layoffs. The Parent Society needs to re-examine finances in order to insure a stable financial future.

The 1997 Parent Society program will be held in Monterey, California, and it looks like it will be a good program. Bob is looking for people to get involved with Parent Society committees. Bob concluded his remarks by answering a few questions.

Doug Stang inquired if there was any old business from the floor. There was none. Don Einhouse inquired if everyone present had an opportunity to vote. Everyone indicated that they had, so the polls were closed.

Paul McKeown discussed the strategic Plan. The Plan was started when the Parent society and the Northeast Division developed strategic plans. The purpose of the plan is to outline the direction for the chapter. A first draft was published in the spring newsletter, revised based upon comments received, and published again in the winter newsletter. The major intent of the plan is to provide continuity and guidance for the officers and the membership. Several components of the plan were then discussed:

- 1) Professional Enhancement and Recognition: Candidates would be nominated from the membership for Chapter, Northeast Division, and Chapter awards, as well as the Chapter itself competing for the Outstanding Chapter Award.
- 2) Professional service: This was defined as providing information and field assistance, if requested. A member asked would it be possible to put money into the budget and request that the Chapter perform some task. Paul responded that money may already be available in the Chapter to provide professional assistance, however, it would be more likely that the reverse would occur. For example, if someone had a project or proposal for the Chapter to participate in, such as the BMOC project, the Chapter could ask members to participate on their own time, or with the permission or direction of their employer.
- 3) Advocacy: Regarding advocacy, the plan states that if an issue came up that the membership though the Chapter should take an advocacy role in, they should develop an action plan and submit it to the EXCOM for consideration, and then to the general membership.
- 4) Representation: The Plan states that the Chapter will be represented by the Chapter President at the Northeast Division and Parent Society. Members are encouraged to join the Parent Society.

AFS - New York Chapter Newsletter -- April, 1997

The EXCOM received several nominations for awards for 1997. Carl Schofield, Clif Schneider, and Richard Colesante were nominated for Professional Achievement awards. All nominations were approved. Neil Ringler would receive the Professional Achievement award from last year's nomination at the Banquet following the business meeting.

Workshop Committee

Chris Lowie reported on the 1996 Workshop. It was a very successful workshop on Stream Habitat Assessment. There were 56 attendees. The workshop was written up in an article in "Fisheries". Now, he was looking for a topic and a volunteer for 1997. Continuing Education Credits should always be requested for future workshops. The committee should have the CEC request approved before the workshop. Submit the request to the Parent Society as early as possible. Don Einhouse conducted a survey at the business meeting two years ago, and developed a list of possible workshop topics of interest to the membership.

Student Affairs

Margaret Murphy was trying to get students from across the state involved. She has planned a student meeting for 8:00 PM, after the banquet. She plans on visiting 2-3 schools during the coming semester.

Youth Education Committee

Chris Lowie reported that the Youth Education Committee was formed a year ago, and had 4-5 members. The mission and objectives were to promote aquatic education among youth; work with the NYSDEC and other state programs such as SAREP. The committee has worked to get more involved with the SAREP program. They are working to contact and work with the new SAREP director, because Bruce Matthews, the former director is gone. The committee needs the active support of the Chapter membership.

Doug Stang then reviewed his budget for the past year and how the expenses for 1996 actually compared. Membership was down a little, so income from dues was down. The Parent Society will be cutting out the Chapter rebates, so that will be another loss of future income. The Chapter was somewhat ahead, because Doug did not need to use Chapter funds to travel to the Parent Society and Northeast Division EXCOM meetings. Pending the outcome of meeting costs, he ended the year about \$1,500 ahead of the projected budget.

Election results were announced. Margaret Murphy was chosen as President-elect, and John Homa was chosen as the Secretary/Treasurer-Elect.

Doug Stang thanked the Chapter and the EXCOM for their support during his tenure, and commented on the excellent reputation of the New York Chapter. As he stepped down Lars Rudstam was escorted to the podium and was installed as the New York Chapter President for 1997.

Lars thanked Doug for his excellent job as Chapter President. He stated that he would take steps to have future workshop topics announced at the annual business meeting. He had received a letter from John Long, a representative of the Charter boat Fishing Industry that the Chapter hold the annual meeting next year at Niagara Falls. Ed Woltman asked that he keep in mind the distance some members would have to travel. Lars responded that the request would be thoroughly discussed at the next EXCOM meeting.

Everyone was encouraged to purchase raffle tickets, and the meeting was adjourned at 6:18PM

Respectfully submitted,

Timothy J. Sinnott
Secretary/Treasurer
NY Chapter, AFS

Budgets

Summary of 1996 Expenditures versus the Projected from Doug Stang NYC - AFS 1996 Annual Budget

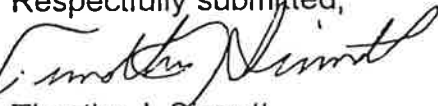
<u>Revenues</u>	<u>Projected</u>	<u>Actual</u>
1997 Annual Meeting	5,500.00	5,270.00
1996 Membership Dues	2,500.00	2,380.00
1996 Rebate	500.00	826.00
Interest	700.00	918.00
Raffle	1,200.00	453.00
1996 Workshop	4,000.00	4,040.00
Total	14,400.00	13,887.00
<u>EXPENDITURES</u>		
1997 Annual Meeting	5,500.00	8,627.94
Office Supplies	100.00	24.00
Postage	400.00	445.00



NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY
 c/o NYSDEC, Room 530, 50 Wolf Road, Albany, New York 12233-4756

1996 Annual Treasurer's Report
 Prepared 28 January 1997

	Checking	Savings	CD	Total
Balance 1/28/96	\$5498.44	\$6,248.84	\$10,076.47	\$21,823.75
Receipts				
Memberships	2380.00			2380.00
Interest	72.37	190.59	655.16	918.12
Parent Society rebate	826.00			826.00
1996 Ecosystem Conf	612.64			612.64
1996 Workshop	4040.00			4040.00
NE Workshop rebate	140.00			140.00
Receipts subtotal	8071.01	190.59	655.16	8916.76
Expenditures				
1996 annual meeting	540.58			540.58
Award plaques	40.00			40.00
Student stipends	250.00			250.00
Donations	200.00			200.00
1996 Workshop	4272.21			4272.21
Duck stamps	46.80			46.80
NED Workshop social	150.00			150.00
Newsletter printing	551.93			551.93
Postage & mail-related	444.81			444.81
Expenditures subtotal	6496.33			6496.33
Annual subtotals	+1574.68	+190.59	+655.16	+2420.43
Balance as of 1/28/97	\$7073.12	\$6439.43	\$10731.63	\$24244.18

Respectfully submitted,

 Timothy J. Sinnott
 Secretary/Treasurer
 NY Chapter, AFS

NOTE THE NUMBER 95, 96, OR 97 ON YOUR MAILING LABEL.
THIS DENOTES YOUR MEMBERSHIP STATUS
TO BE A CURRENT PAID-UP MEMBER YOU SHOULD HAVE A 97 ON THE LABEL.

IF YOUR LABEL IS MARKED 95, YOUR NAME WILL BE DELETED FROM THE
MEMBERSHIP ROLE AS OF 1 AUGUST 1997.

ATTACHED IS A MEMBERSHIP BLANK FOR NEW OR RENEWAL MEMBERSHIPS

SEND YOUR 1997 DUES TO THE SECRETARY/TREASURER

Application for Membership
New York Chapter American Fisheries Society
(Information provided will be used in the membership directory)

Name _____ Regular (\$10.00) ___ Student (\$5.00) ___

Address _____

City/State/Zip _____

Employer/Affiliation/School _____

Telephone: Work _____ Home _____

Student applications must be endorsed
by a faculty member signing above

Are you a member of the American Fisheries Society (Parent Society)? Yes ___ No ___

New Membership ___ Renewal ___ What was the last year you were a paid-up member? _____

Would you be interested in serving on any of the Chapter Committees? If so, please check which committees would interest you.

Environmental Concerns	_____	Membership committee	_____
Program Committee	_____	Resolutions Committee	_____
Finance Committee	_____	Professional Incentives	_____
Newsletter Staff	_____	Professional Diversity	_____
Workshop Committee	_____	Student Sub-unit	_____

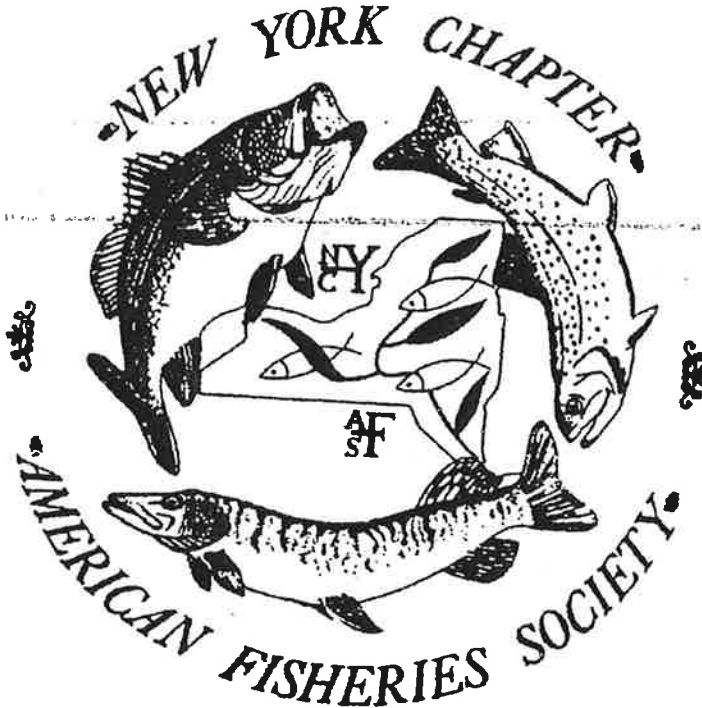
Make checks payable to NY Chapter AFS. Send This form and your check to:

Timothy Sinnott
Secretary/Treasurer
c/o NYSDEC
Room 576, 50 Wolf Road
Albany, NY 12233-4756

Interest and Specialty codes have been deleted because of the increased cost of printing and mailing the membership directory.



New York Chapter
 American Fisheries Society Newsletter
 Summer 1997



1997 New York Chapter Officers:

President: Lars Rudstam President-Elect: Margaret Murphy
 Past President: Doug Stang Secretary-Treasurer: Tim Sinnott
 Secretary-Treasurer-Elect: John Homa

Committees:

Environmental Concerns:	Howard Simonin
Audit/Finance	Tom Field
Program	Betty Lou Brett
Resolutions	Dave Bryson
Nominating	Doug Stang
Membership	Lars Rudstam, Margaret Murphy
Newsletter	Tony VanDeValk
Professional Incentives	Paul McKeown
Workshop	Dave Lemon, Dan Bishop
Professional Diversity	Betty Lou Brett
Student Affairs	Margaret Murphy, Dave Nettles
Youth Education	Chris Lowie, Doug Carlson

Publication Statement

Title:	New York Chapter American Fisheries Society Newsletter
Issue Date:	August 25, 1997
Frequency:	The NYC AFS Newsletter is published three times annually: March-April (Spring edition), July-August (Summer edition), and November-December (Winter edition).
Newsletter: Address:	Mr. Anthony VanDeValk Cornell Biological Field Station 900 Shackelton Pt. Rd. Bridgeport, NY 13030
Issue Number:	Summer, 1997

representing the fisheries professionals in New York State, strongly endorse the Teaming With Wildlife (TWW) proposal and we urge you to co-sponsor this legislation when it is introduced later this Spring. New York State critically needs funding for fish and wildlife conservation, outdoor recreation and conservation education programs, and we wholeheartedly agree with paying a dedicated user fee on outdoor equipment purchases to fund this initiative. Such dedicated users fees in the form of an excise tax have been paid by fishers and hunters on sport equipment for 60 years to support costs associated with improving fishing. Teaming With Wildlife will expand such users fees to a broader array of outdoor equipment so that we can meet the needs of our non-consumptive and non-game species, as well as invest in recreation and education programs that will benefit the environment and the tourism industry in New York State. We request that the New York Congressional Delegation, acting in the best interest of our state's outdoor environment and the industry depending on it, to sponsor the Teaming With Wildlife legislation.

Sincerely,

**New York Chapter of the American Fisheries Society
Support for transfer of motorboat fuel tax funds from
the Highway Trust fund to the National Aquatic
Resources Trust Fund**

Whereas, New York receives over 6.8 million annually from the Sport Fish Restoration Account of the National Aquatic Resources Trust Fund; and

Whereas, this user-pay money is vitally important to fisheries programs in New York where it is used to create and improve boating and angling opportunities for our citizens; and

Whereas, this funding has helped New York become recognized as one of the nation's premier aquatic recreation states, thus adding hundreds of millions of dollars to the state economy; and

Whereas, the ten year authorization for the transfer of motorboat fuel taxes from the Highway Trust Fund to the National Aquatic Resources Trust Fund will expire on October 1, 1997; and

Whereas, New York boaters and anglers will inevitably lose many of the aquatic resource-based recreational opportunities made possible by this "user-pays, user-benefits" program if it is not re-authorized;

NOW, THEREFORE, BE IT RESOLVED, that the New

York Chapter of the American Fisheries Society endorses and strongly supports reauthorization of the transfer of motorboat fuel tax funds from the Highway Trust Fund to the National Aquatic Resources Trust Fund for an additional ten year period;

AND BE IT FURTHER RESOLVED, that the New York Chapter of the American Fisheries Society President Lars Rudstam forward copies of this resolution to New York's Congressional Delegation with a request that the Delegation, acting in the best interest of our state's anglers and boaters, jointly sponsor appropriate legislation authorizing said transfer of funds.

c:

**New York Senators Daniel Patrick Moynihan and
Alfonse M. D'Amato**

**New York Representatives Michael Forbes, Rick Lazio,
Peter King, Carolyn McCarthy, Gary Ackerman, Floyd
Flake, Thomas Manton, Jerrold Nadler, Charles Schumer,
Edolphus Towns, Major Owens, Nydia Velazquez, Susan
Molinari, Carolyn Maloney, Charles Rangel, Jose Serrano,
Eliot Engel, Nita Lowey, Sue Kelly, Benjamin Gilman,
Michael McNulty, Gerald Solomon, Sherwood Boehlert,
John McHugh, James Walsh, Maurice Hinchey, Bill
Paxon, Louise Slaughter, John LaFalce, Jack Quinn, and
Amory Houghton**

Secretary of the Interior Bruce Babbitt

**U.S. Fish and Wildlife Service Acting Director John
Rogers**

**Wallop-Breaux Reauthorization Committee Chairman
Pat Graham**

**American Fisheries Society Executive Director Paul
Brouha**

American Fisheries Society Northeast Division

President Henry Bocke

**Director, Division of Fish and Wildlife, NYSDEC Gerry
Barnhart.**

Student Subunit

On May 17, 1997 the student subunit held a meeting at Shackleton Point. Seven students attended from Oneonta, Cornell, and SUNY-ESF. The meeting was held to help establish goals and objectives of the student subunit and to gather ideas to help get all interested students involved. Two main goals were identified in the meeting. One was to provide support to people entering the fisheries profession. It was suggested that this include recent graduates who may be working a year or two before continuing their education or who need a support system to help make the transition into full time employment a smoother one. The second goal is to establish a mentoring

AFS - New York Chapter Newsletter -- August, 1997

ME 04401-5456; FAX (207) 941-4443;
joan.trial@state.me.us.

127th AFS Annual Meeting. August 24-28, 1997.
Monterey Convention Center, Doubletree and Marriott
Hotels, Monterey, California. Contact Paul Brouha; AFS;
5410 Grosvenor Lane, Suite 110; Bethesda, MD 20814-
2199; (301)897-8616, ext. 209; FAX (301)897-8096;
pbrouha@fisheries.org;
<http://www.esd.onml.gov/societies/AFS/afsevent.html>.

128th AFS Annual Meeting. August 23-27, 1998.
Hartford Civic Center and Sheraton Hotel, Hartford,
Connecticut. Contact Paul Brouha; AFS; 5410 Grosvenor
Lane, Suite 110; Bethesda, MD 20814-2199; (301)897-
8616, ext. 209; FAX (301)897-8096;
pbrouha@fisheries.org;
<http://www.esd.onml.gov/societies/AFS/afsevent.html>.

129th AFS Annual Meeting. August 30-September 2,
1999. Adams Mark Hotel, Charlotte, North Carolina.
Contact Paul Brouha; AFS; 5410 Grosvenor Lane, Suite
110; Bethesda, MD 20814-2199; (301)897-8616, ext.
209; FAX (301)897-8096; pbrouha@fisheries.org;
<http://www.esd.onml.gov/societies/AFS/afsevent.html>.

Fishery Stock Assessment Models for the 21st Century.
Oct. 8-11, 1997. Regal Alaskan Hotel, Anchorage,
Alaska. Contact Brenda Baxter, Alaska Sea Grant College
Program, University of Alaska, P.O. Box 755040,
Fairbanks, AK 99775-5040; (907)474-6701; FAX
(907)474-6285; FNBRB@aurora.alaska.edu.

Whirling Disease Symposium. Feb. 19-21, 1998.
Colorado State University, Fort Collins. Contact Whirling
Disease Foundation, P.O. Box 327, Bozeman, MT 59771-
0327; (406)585-0860; FAX (406)585-0863;
whirling@mcn.net.

Around New York State

Lake Erie warm-water fisheries management is in good hands, under the leadership of **Don Einhouse**, senior wildlife biologist at the Lake Erie Unit at Dunkirk. Gerald F. Mikol, Regional Director of the Department of Environmental Conservation confirmed Einhouse's extensive contributions Tuesday while presenting him with the Region 9 Quality Service Award for the month of May.

Einhouse, along with cold-water manager Floyd Cornelius, provide Lake Erie anglers with information about sources and resources of the lake. Both biologists were recipients

of Chautauqua County Federation of Conservation Club's Public Servant Award.

Don was cited as past president of the New York Chapter of the American Fisheries Society, chairman of the forage task group and member of the walleye and yellow perch task forces of the Great Lakes Fisheries Commission, a bioenergetics study with the Lake Erie Committee, as well as his informational presentations at sporting clubs in the six counties of DEC Region 9. Southtowns Walleye presented him with its public servant award in 1990.

The Quality Award, eligible to nearly 400 candidates, is given for work standards and involvement in fishery **concerns in the region**.

"Anglers who have either called the Lake Erie Unit for information or heard his presentations quickly see that Don Einhouse knows current fishing conditions and can simply explain them to all who are interested," Paul McKeown, awards committee coordinator, said.

NYS-DEC recognizes Professional Certification.

According to Gerald Barnhart, Past President of the NY Chapter and Acting Director of the NYS Division of Fish, Wildlife, and Marine Resources, new Fisheries biologists that are certified will be hired at five grade levels higher than uncertified candidates, foregoing the normal traineeship. Based on the current salary structure, the difference between starting at entry level (Grade 13 Traineeship) and full performance level (Grade 18) is \$8,219.

NYS Sportfishing and Aquatic Resources Education Program (SAREP) has hired Mr. Stephen Brown as their new Director. Steve most recently worked as an extension agent in Oswego County and has worked with SAREP, schools, nature centers, and Sportsmen's Federations in that county. Prior to coming to New York, Steve worked for the Boy Scouts in San Antonio, Texas. He earned B.S. degree in Recreation and Parks Administration from Texas A & M and M.S. degree in Environmental Science from University of Texas at San Antonio. Welcome Steve!

Wanted

Wanted: Editors. Individuals interested in forwarding the fisheries profession by volunteering to review submitted manuscripts to *Fisheries*. If interested, please contact:
Kristin Merriman - Clarke
(301) 897 - 8616 ext. 220
kclarke@fisheries.org

NYC-AFS WORKSHOP '97

Boat handling, safety, and navigation is the topic of the 1997 New York Chapter American Fisheries Society workshop. The workshop will be held at the Cortland Holiday Inn on Wednesday, September 24 and Thursday, September 25. The course will be taught by the Susquenango Power Squadron whose instructors are knowledgeable volunteer members of the United States Power Squadron. The course will include 12 hours of instruction and videos on such topics as: boat handling and elementary seamanship, national and state boating regulations, charts and aids to navigation, Great Lakes boating, inland boating, navigation rules, and others.

Course topics covered in the workshop will fulfill nearly all New York State certification requirements for young boaters to legally operate a motor vessel alone. Individuals who participated in the 1994 NYC-AFS Aquatic Safety Workshop will be eligible to take the test for certification after completing the boating workshop. It is likely that certification will soon be required for all New York State boaters and anyone who has been previously certified by the Power Squadron will be grand-fathered.

Cost of the workshop will be \$55.00 for NYC-AFS members and \$60.00 for non-members. Dinner the first night and breakfast the following morning are included in the registration fee. Lodging rates are \$50.00 for a single and \$75.00 for a double occupancy room. Pre-registration for the workshop is required by Monday, September 22nd and a maximum of 100 participants will be accepted on a first come first serve basis. To register complete the following form and return it along with the fee to Dave Lemon. For additional information contact Dave Lemon at (607) 753-3095 ext. 208 or by e-mail at dklemon@gw.dec.state.ny.us.

BOATING WORKSHOP REGISTRATION

Registration Fee: \$55.00 NYC-AFS members

\$60.00 non-members

(Checks payable to: New York Chapter - AFS)

Name: _____

Position: _____

Employer: _____

Address: _____

Phone: _____ Fax: _____

E-mail: _____

Return to: David Lemon
NYSDEC
1285 Fisher Ave.
Cortland, NY 13045

New York Chapter American Fisheries Society

Annual Meeting

January 29-31, 1998

Treadway Inn, Owego, NY

Meeting Announcement and First Call for Papers

Water Quality and Fisheries

On Friday January 30 at the Water Quality and Fisheries Symposium invited speakers will address Water Pollution and Water Quality topics in Fish and Fisheries including, Endocrine Disrupters, Immune function, Genetics, Biological Pollutants, Risk Assessment, Policy, Success Stories, and Continuing Concerns.

You are invited to submit abstracts for review and inclusion in the meeting program. Abstracts that are accepted for the meeting program will be presented during the contributed papers Sessions on Saturday Morning January 31, 1998

Abstracts should be submitted by e-mail to blbrett@naz.edu, or submitted in Microsoft Word format on a 3.5 " diskette, either IBM or Mac format, or may submitted typewritten on the attached form. The preferred method is by e-mail. The length of the abstract must not exceed 250 words regardless of format.

All Abstracts must be received by December 31, 1997

Please submit abstracts to annual program chair:

**Dr. Betty Lou Brett
Biology Department,
Nazareth College
4245 East Ave
Rochester NY 14618-3790
716-389-2547
e-mail: blbrett@naz.edu**

NOTE THE NUMBER 95, 96, OR 97 ON YOUR MAILING LABEL.
THIS DENOTES YOUR MEMBERSHIP STATUS
TO BE A CURRENT PAID-UP MEMBER YOU SHOULD HAVE A 97 ON THE LABEL.

IF YOUR LABEL IS MARKED 95, YOUR NAME WILL BE DELETED FROM THE
MEMBERSHIP ROLE AS OF 31 AUGUST 1997.

ATTACHED IS A MEMBERSHIP BLANK FOR NEW OR RENEWAL MEMBERSHIPS
SEND YOUR 1997 DUES TO THE SECRETARY/TREASURER

Application for Membership
New York Chapter American Fisheries Society
(Information provided will be used in the membership directory)

Name _____ Regular (\$10.00) _____ Student (\$5.00) _____

Address _____

City/State/Zip _____

Employer/Affiliation/School _____

Telephone: Work _____ Home _____

Are you a member of the American Fisheries Society (Parent Society)? Yes _____ No _____

New Membership _____ Renewal _____ What was the last year you were a paid-up member? _____

Would you be interested in serving on any of the Chapter Committees? If so, please check which committees would interest you.

- | | | | |
|------------------------|-------|-------------------------|-------|
| Environmental Concerns | _____ | Membership committee | _____ |
| Program Committee | _____ | Resolutions Committee | _____ |
| Finance Committee | _____ | Professional Incentives | _____ |
| Newsletter Staff | _____ | Professional Diversity | _____ |
| Workshop Committee | _____ | Student Sub-unit | _____ |

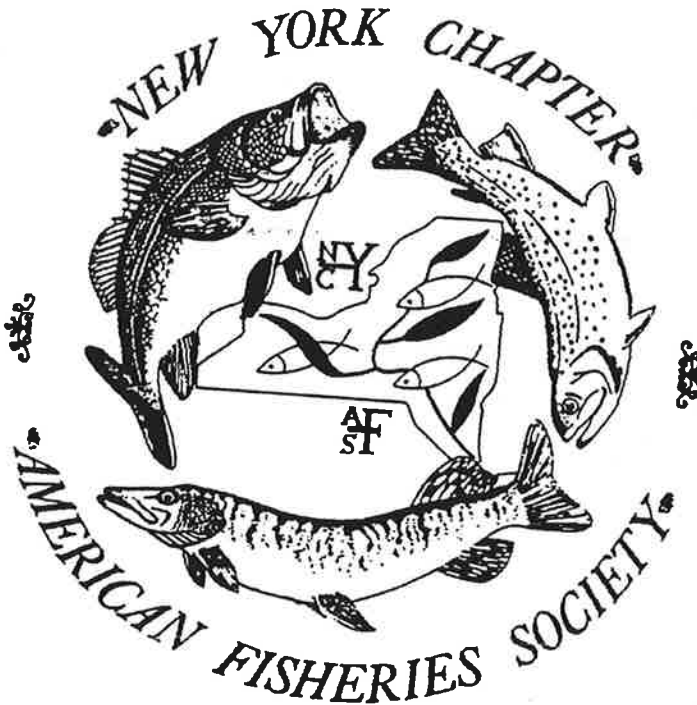
Make checks payable to NY Chapter AFS. Send This form and your check to:

Timothy Sinnott
Secretary/Treasurer
c/o NYSDEC
Room 576, 50 Wolf Road
Albany, NY 12233-4756

Interest and Specialty codes have been deleted because of the increased cost of printing and mailing the membership directory.



New York Chapter
American Fisheries Society Newsletter
Winter 1997



1997 New York Chapter Officers:

President: Lars Rudstam President-Elect: Margaret Murphy
Past President: Doug Stang Secretary-Treasurer: Tim Sinnott
Secretary-Treasurer-Elect: John Homa

Committees:

Environmental Concerns:	Howard Simonin
Audit/Finance	Tom Field
Program	Betty Lou Brett
Resolutions	Dave Bryson
Nominating	Doug Stang
Membership	Lars Rudstam, Margaret Murphy
Newsletter	Tony VanDeValk
Professional Incentives	Paul McKeown
Workshop	Dave Lemon, Dan Bishop
Professional Diversity	Betty Lou Brett
Student Affairs	Margaret Murphy, Dave Nettles
Youth Education	Chris Lowie, Doug Carlson

Publication Statement

Title:	New York Chapter American Fisheries Society Newsletter
Issue Date:	December 23, 1997
Frequency:	The NYC AFS Newsletter is published three times annually: March-April (Spring edition), July-August (Summer edition), and November-December (Winter edition).
Newsletter: Address:	Mr. Anthony VanDeValk Cornell Biological Field Station 900 Shackelton Pt. Rd. Bridgeport, NY 13030
Issue Number:	Winter, 1997

Edison Electric Institute, which represents investor-owned public utilities, which noted that hydropower provided more than 95 percent of America's renewable energy.

"This is a dangerous precedent," said James Evans, the institute's manager of hydropower issues. "Declining to issue a new license for a dam, or going even further to order the owner to remove the dam, are precedent-setting steps that Congress has not authorized in the Federal Power Act."

For all Tuesday's drama, however, the demise of the Edwards Dam does not look especially imminent. Edwards Manufacturing Co., the company that owns the dam and holds its license together with the City of Augusta, plans to appeal the commission's decision, first before the panel itself and then, if need be, in court, said Mark Isaacson, the company's vice president.

"There are going to be some disappointed people out there who are ready to go after the dam with crowbars today," he said.

Isaacson said that under the 1920 federal law that governs dam leases, if the government wanted to deny a leaseholder a license renewal, it must compensate the company for its net investment in the project. That would amount to \$6 million to \$10 million for Edwards Manufacturing, he estimated.

But the energy commission ruled that it was within its rights to order the company to pay for the demolition, which is expected to cost more than \$2 million, and to pay for any environmental damage the demolition causes.

"Why do they think they can get away with it?" Isaacson asked. "Because they're so much bigger than we are. We're a small private company with four employees."

The forces in the fight over the Edwards Dam have not been very evenly matched. A broad coalition of environmental groups, state agencies right up to Maine's governor, and federal agencies right up to the secretary of the interior, all advocated the removal of the dam.

Since the federal commission determined in 1994 that it had the authority to deny new licenses to hydroelectric projects, it has ordered the removal of seven other dams, but this was the first case involving a dam owner that wanted to continue its operations.

It was also a case skewed heavily in favor of the fish.

Before the Edwards Dam was built in 1837, the Kennebec River was extraordinarily rich in aquatic life, providing a migratory route and spawning grounds to virtually every

species in the Northeast that struggles upstream to breed, from sturgeon to salmon. The dam devastated many of them, and fish ladders installed later did little to restore the stocks.

In more recent years, though, Maine worked to improve its water quality and help migrating fish return with fish lifts. In its application for re-licensing, Edwards Manufacturing offered to install new and improved ways to help fish get upstream to spawn, and the federal commission's staff at first offered tentative approval to its plans.

But environmentalists responded with 7,000 pages of rebuttal, arguing that some species, like the endangered shortnose sturgeon and the Atlantic sturgeon, could not effectively use "fish passages." Also, they said, returning the river to its natural state would restore 15 miles of river habitat that were favored spawning grounds of several species.

Recreation enthusiasts also argued that fishing and boating on the river would be vastly improved if the dam was eliminated, giving them an uninterrupted, 60-mile stretch of river from Waterville, Maine, to the ocean.

In its decision Tuesday, the commission noted that the dam did produce energy that would otherwise probably be produced by nonrenewable fossil fuels. And that is Isaacson's main argument as well: that hydroelectric power is clean and renewable, and provides additional side benefits like irrigation reserves.

But the commission decided that the benefits of the Edwards dam were definitively outweighed by its costs, ruling, "We believe that the public interest in this proceeding lies in our denying the license application."

The appeals process could go on for months or years, Isaacson said. In the meantime, he said, the dam's licensees must apply yearly for short-term licenses, as they have been doing since their long-term license ran out in 1993.

Upcoming events

New York Chapter AFS 1998 Annual Meeting

January 29 - 31, 1998

Treadway Inn, Owego, New York

See attachments for more information.

Cornell University will be conducting a series of seminars celebrating both the 50th anniversary of the Department of Natural Resources and the 100th anniversary of North America's first four-year professional college of forestry at Cornell. The list of invited speakers is impressive and will cover many aspects of ecology and the implications they

Recent Theses

Attachment behavior and food habits of larval muskellunge and northern pike in the Thousand Islands region of the St. Lawrence River.

John E. Cooper, State University of New York College of Environmental Science and Forestry
1 Forestry Drive, Syracuse, NY 13210

Introduction

There are five esocids that are native to North America: muskellunge (*Esox masquinongy*); northern pike (*Esox lucius*); chain pickerel (*Esox niger*); and the redfin/grass pickerel assemblage (*Esox americanus americanus* and *Esox americanus variegatus*). All of these are found within the St. Lawrence River drainage but the chain pickerel has not been found in the St. Lawrence River.

Major water bodies containing native sympatric populations of muskellunge and northern pike are rare (Harrison and Hadley 1978). This has been attributed to the competitive superiority of northern pike. Muskellunge and northern pike have probably coexisted within the St. Lawrence River for at least 600 years (Crossman 1986) and therefore some ecological strategies may have evolved to minimize their interactions. Muskellunge and northern pike spawn in many of the same bays within the Thousand Islands region of the St. Lawrence River. Northern pike generally spawn earlier than muskellunge but spawning can overlap spatially and temporally (Farrell et al. 1996). The fortuitous overlap of spawning has resulted in the occasional production of northern pike/muskellunge hybrids.

It has been suggested that larval northern pike have an advantage over larval muskellunge during the yolk absorption period because of the pike's ability to attach to structures above sediments, thereby allowing the pike to avoid areas that may have low dissolved oxygen or high concentrations of hydrogen sulfide. This attachment is accomplished by the secretion of a sticky mucin from glands (also termed papillae) located just below the eyes (Kotlyarevskaya 1969). This behavior has been observed in northern pike in many studies and may last for several weeks prior to swim-up. This behavior has not been observed in wild muskellunge.

Most dietary studies of larval muskellunge and northern pike have concluded that copepods, cladocerans, and chironomids are the primary prey taxa during the first month after hatching, then amphipods and larval fish as the muskellunge and pike increase in length. More studies have been done with pike than with muskellunge. Consumption of larval fish by muskellunge and northern

pike in the laboratory was examined to answer three questions: 1) can muskellunge and northern pike start feeding exclusively on fish larvae without having fed previously on zooplankton (in this case *Artemia*); 2) if so, what is the difference in growth resulting from a larval fish diet compared to a zooplankton (*Artemia*) diet; and 3) is there a 'preference' for certain larval fish species?

This paper presents observations on the 'attachment' behavior of northern pike and muskellunge and the growth resulting from specific diets in the laboratory. These diets are also compared to diets of wild northern pike and muskellunge.

Methods

This work has been conducted in three bays on the southwestern end of Grindstone Island near Clayton, New York (Fig. 1). Buck Bay is relatively narrow with a small drainage area surrounded by farm fields. Lindley Bay has been formed recently (since 1930) by the entrapment of sediment (primarily sand) by vegetation along its junction with Flynn Bay. Flynn Bay is the largest of the three study bays (69 hectares or about four times the surface area of Buck Bay) and has an extensive cattail marsh/grass meadow drainage area that is used by northern pike and other fish species for spawning during years of high water. Lindley Bay and Flynn Bay can become connected by small channels during years of high water.

Attachment behavior of muskellunge and northern pike was examined in the laboratory in 1994, 1996, and 1997 by placing several individuals of each species into a small aquarium divided by a glass partition. The glass partition provided an attachment surface that allowed for photographing the larvae and determining the point of attachment.

Artificially-spawned muskellunge and northern pike were subdivided into four groups of 80 fish each and held in separate tanks. Muskellunge and pike from two groups were fed brine shrimp and the other two groups were fed wild-caught larval fish. Wild zooplankton were not used as prey to reduce the introduction of diseases and parasites. The larval fish used as prey were those that would be seasonally available to northern pike and muskellunge in the wild. Food was provided *ad libitum* to muskellunge from 18 June to 21 July, 1996, and to northern pike from 6 June to 28 June, 1997. A sample of five muskellunge and five pike from each diet type was taken once per week. Total length (mm) and wet weight (to the nearest 0.001 g) of each fish was recorded prior to preservation in formalin. Sampled fish were not replaced. Larval fish used as prey were collected by dipnet from local bays.

Figure 2. Growth in weight for muskellunge and northern pike on two diets. Values represent the means of five fish. Solid lines = larval fish diet, broken lines = brine shrimp diet.

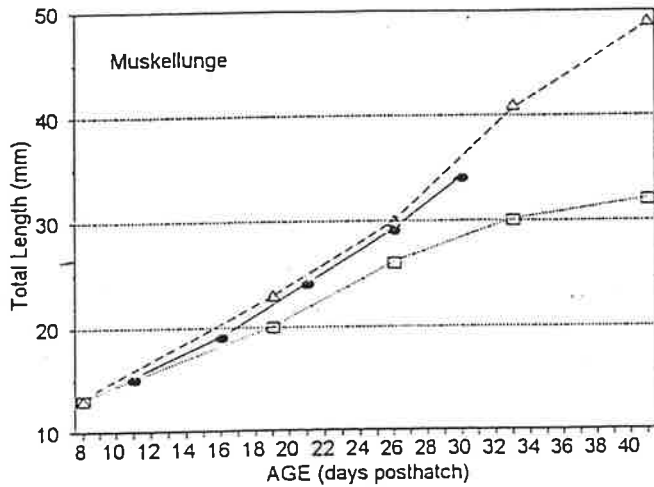


Figure 3. Comparison of growth in total length for muskellunge fed a larval fish diet (open triangles), a natural zooplankton diet (solid circles, Applegate 1981), and a brine shrimp diet (open squares).

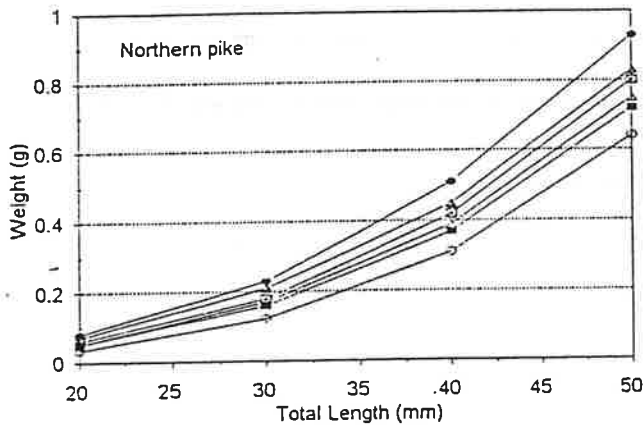


Figure 4. Growth curves for northern pike derived from logarithmic regressions: open and solid circles – Fago (1977); open and solid triangles – Franklin and Smith (1963); open squares – present study; and solid squares – LaPan (1985).

The diet of wild larval muskellunge and northern pike (Table 1) from bays in the St. Lawrence River showed four major prey types and that cladocerans were the most numerous prey eaten. Muskellunge and northern pike began feeding on larval fish in the laboratory at about 15 mm TL. The smallest wild muskellunge examined that had

fed on larval fish was 16.5 mm and the smallest pike was 23.0 mm TL. Ivanova and Lopatko (1983) reported that pike at 23 mm TL could catch and consume bream that were 7-9 mm TL but not 12 mm TL bream. The pike in this study could catch and consume yellow perch and golden shiner at 12 mm TL. Fago (1977) observed that 4.3% of the wild pike at an average length of 22.9 mm TL fed on larval fish but consumption was less than 10% until pike were 40 mm TL. Frost (1954), LaPan (1985), and Wright and Giles (1987) observed that consumption of larval fish by pike did not start until pike were about 30 mm TL. Franklin and Smith (1963) found consumption of vertebrates by pike to include only tadpoles and other pike. Bry et al (1995) found that chironomids were the most important food taxon in pike that were greater than 27 mm TL in ponds stocked only with zooplankton. Data for wild pike in the present study were inconclusive because of the low number of fish examined. There is no comparable data for larval muskellunge. Applegate (1981) raised muskellunge on a natural diet of zooplankton that did not include larval fish. Although muskellunge did not consume silverside in the laboratory, silverside were a major component of the diet in wild muskellunge and northern pike greater than 40 mm TL (LaPan 1985) but were not important in fish larger than 80 mm TL (J. Farrell, pers. comm.).

	Muskellunge	Northern pike
N	30	5
Prey taxa		
Cladocerans	3.8	48.6
Copepods	1.4	2.8
Fish	1.2	0.2
Chironomids	0.4	3.6

Table 1. Mean number of prey per fish in wild muskellunge and northern pike from 16.0 mm to 26.5 mm TL. N is the number of fish examined.

It is likely that larval muskellunge and pike will prey on larval fish when possible. My data indicates that the frequency increases as predator size increases: 29% of muskellunge up to 18 mm had eaten fish; 71% of muskellunge between 18.5 mm and 21 mm had eaten fish; and 89% of muskellunge between 21.5 mm and 25 mm had eaten fish. This generalization is supported for pike by Frost (1954) and Wright and Giles (1987) but no confirmation exists for muskellunge.

Carline et al. (1986) found that overwinter survival of northern pike/muskellunge hybrids was best for those fish that were 196 mm TL or greater in the fall. Kipling (1984) found that a minimum size of 200 mm TL was necessary if first-year pike were to avoid predation by age 1+ pike. Muskellunge and pike in the St. Lawrence River bays have generally shown a rapid increase in growth rate during middle to late summer that may be important to overwinter

New York Chapter American Fisheries Society
Annual Meeting
January 29 – 31, 1998
Treadway Inn, Owego, NY

Meeting Announcement and **FINAL** Call for Papers

Fisheries and Water Quality

On Friday, January 30 invited speakers will address issues concerning Fisheries and Water Quality. The tentative schedule and guest speakers include:

- 8:20 Greetings and Remarks: Betty Lou Brett.
8:30 Barbara Knuth: "Social perceptions of Fisheries and Water Pollution"
9:10 James Haynes : "Water Pollution and Endocrine Disrupters"
9:50 George Noguchi: "Pollution and the Immune System in Fish"
10:30 *Break*
10:50 Issac Wirgin: "Pollution and Genetics,; messenger RNA and the Tom cod in the Hudson River."
11:30 Calquhoun: "Fixing Aquatic Ecosystem"
12:00 *Lunch*
1:30 Joseph Buttner: "Reducing the risk of tainted fish in the Aqwasasne Indian Nation."
2:10 Jim Gillette: "The Environmental Risk Paradigm"
2:40 Betty Lou Brett: Summation

Registration is \$65.00 for Chapter members and \$40.00 for students. This includes the Social Thursday evening, coffee breaks, lunch, and banquet on Friday, and coffee breaks on Saturday. Rooms are \$59.00 per night for single or double occupancy. You need to make your own arrangements by contacting the Treadway Inn.

You are invited to submit abstracts for review and inclusion in the meeting program. Abstracts that are accepted for the meeting program will be presented during the Contributed Papers Sessions on Saturday morning, January 31, 1998.

Abstracts should be sent by email to blbrett@naz.edu or submitted in Microsoft Word format on a 3.5" diskette, either IBM or Mac format, or typewritten on the attached form. The preferred method is by email. The length of the abstract must not exceed 250 words regardless of format. **All abstracts must be received no later than January 7, 1998**

Please submit abstracts to:

Dr. Betty Lou Brett
Biology Department, Nazareth College
4245 East Ave.
Rochester, New York 14618 – 3790
email blbrett@naz.edu

**New York Chapter
American Fisheries Society**

Annual Meeting - January 29 - 31, 1998
Treadway Inn, Owego, NY

Meals and Conference Fees

Lunch and Dinner on Friday, January 30 are included in the conference fee.
Meeting attendees will be on their own for breakfast. Fees will be payable at the meeting.

Conference fee, Regular Member.....	\$65.00
Conference fee, Student Member....	\$40.00

ACCOMMODATIONS

Reservations must be made by January 14, 1998 to guarantee room rates. Reservations should be made directly with the OWEGO TREADWAY INN by contacting the front desk by telephone: (607) 687-4500 or (607) 754-4000; or by mailing this form to:

Treadway Inn, 1 100 State Road, Rte. 17C, Owego, NY 13827

Cancellations, changes or additions to any reservation may be made at the above number.

NAME: _____

ADDRESS: _____

PHONE NUMBER: _____

ARRIVAL DATE and TIME: _____ NO. OF NIGHTS: _____

Rates: \$59.00 + tax / room (single, double, triple or quad occupancy)

Please check type of accommodation:
Rooms(s) with king/queen bed _____

Number of guests _____
_____ Room(s) with two double beds

Smoking and nonsmoking rooms available upon request. All rooms subject to availability.
Reservations will be held until 6:00 PM on the date of arrival unless a \$10 nonrefundable deposit is sent or credit card name, number and expiration date supplied.

Credit Card: _____

CHECK-IN TIME AFTER 1:00 PM

New York Chapter
American Fisheries Society
Final Call For Papers
Annual Meeting - January 29 – 31, 1998

Author(s):

Title:

Abstract:

Student

Professional

Poster

Presenting Author's Address:

Daytime telephone:

Submit Abstracts to:

Dr. Betty Lou Brett
Biology Department
Nazareth College
4245 East Ave.
Rochester, New York 14618 – 3790
email blbrett@naz.edu

New York Chapter - American Fisheries Society
 1998 Annual Meeting - January 29 - 31, 1998
 Treadway Inn, Owego, NY

Fisheries and Water Quality

Meeting Registration

(and New York Chapter - AFS Membership Renewal)

SPEEDY REGISTRATION INSTRUCTIONS: New members - Complete lines 1 - 5.
 Current members - Enter your name and **only any information items that have changed.**
 Check the directory if you are unsure. **All - Bring the completed form and your check for the correct amount made out to NY Chapter AFS.**

1. NAME _____
2. Employer or School _____
3. Address (Street, PO Box, Apt) _____
4. Address (City, State, Zip) _____
5. Telephone number, Home: _____ Work: _____
6. E-mail: _____
7. New member: _____ Renewal _____

To help speed up registration, please bring completed registration form to registration desk **Circle all applicable fees:**

	STUDENT	REGULAR
Meeting Registration	\$40.00	\$65.00
NY Chapter Membership	\$5.00	\$10.00

Enter Total: \$ _____ Please make checks payable to: **NY Chapter AFS**

**NEW YORK CHAPTER - AMERICAN FISHERIES SOCIETY
 RECEIPT**

January _____, 1998

Received from _____, \$ _____

for 1998 Annual Meeting Registration 1998 Chapter membership

 Secretary/Treasurer

NOTE THE NUMBER 96, 97, OR 98 ON YOUR MAILING LABEL.
THIS DENOTES YOUR MEMBERSHIP STATUS
TO BE A CURRENT PAID-UP MEMBER YOU SHOULD HAVE A 98 ON THE LABEL.

IF YOUR LABEL IS MARKED 96, YOUR NAME WILL BE DELETED FROM THE
MEMBERSHIP ROLE AS OF 1 AUGUST 1998.

ATTACHED IS A MEMBERSHIP BLANK FOR NEW OR RENEWAL MEMBERSHIPS
SEND YOUR 1998 DUES TO THE SECRETARY/TREASURER

Application for Membership
New York Chapter American Fisheries Society
(Information provided will be used in the membership directory)

Name _____ Regular (\$10.00)___ Student (\$5.00)___

Address _____ Student applications must be endorsed
by a faculty member signing above

City/State/Zip _____

Employer/Affiliation/School _____

Telephone: Work _____ Home _____

Are you a member of the American Fisheries Society (Parent Society)? Yes___ No___

New Membership___ Renewal___ What was the last year you were a paid-up member? _____

Would you be interested in serving on any of the Chapter Committees? If so, please check which committees would interest you.

Environmental Concerns	_____	Membership committee	_____
Program Committee	_____	Resolutions Committee	_____
Finance Committee	_____	Professional Incentives	_____
Newsletter Staff	_____	Professional Diversity	_____
Workshop Committee	_____	Student Sub-unit	_____

Make checks payable to NY Chapter AFS. Send This form and your check to:

John Homa
Secretary/Treasurer
c/o Ichthyological Associates
50 Ludlowville Road
Lansing, New York 14882

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New York Chapter
American Fisheries Society Newsletter
Summer 1998



1998 New York Chapter Officers:

President: Margaret Murphy President-Elect: Allen Peterson
Past President: Lars Rudstam Secretary-Treasurer: John Homa

Committees:

Environmental Concerns:	Howard Simonin
Audit/Finance	Tom Field
Program	Betty Lou Brett
Resolutions	Dave Bryson
Nominating	Lars Rudstam
Membership	Allen Peterson
Newsletter	John Farrell
Professional Incentives	
Workshop	Dave Lemon
Professional Diversity	Betty Lou Brett
Student Affairs	Margaret Murphy, Dave Nettles
Youth Education	Chris Lowie

Publication Statement

Title:	New York Chapter American Fisheries Society Newsletter
Issue Date:	July 31, 1998
Frequency:	The NYC AFS Newsletter is published three times annually: March-April (Spring edition), July-August (Summer edition), and November-December (Winter edition).
Newsletter:	Mr. John Farrell
Address:	253 Illick Hall SUNY ESF Syracuse, NY 13210
Issue Number:	Summer, 1998

Editor's Note

The summer newsletter is complete! Please help contribute to an upcoming edition by sending material of interest to:

John Farrell
SUNY-ESF Ellis Laboratory
P.O. Box 530
Clayton, NY 13624

email: jmfarrel@mailbox.syr.edu
Phone: (315) 686-4300.

President's Corner

Once again we're in the middle of a beautiful summer with barely enough time to enjoy it. It seems my family and I try to cram in every activity during the summer and then wonder what to do the rest of the year. This time of year I start to look forward to the fall and slowing down a bit. The Northeast Fish and Wildlife Conference was held in May in Harrisburg, PA. The turnout was good, but not great. It seems that attendance has been dropping the past several years. It is a struggle competing with people's time, so if anyone has suggestions on how to attract more fisheries people, please let me know. Mark Olson and Lars Rudstam organized and moderated a day long workshop on walleye. The turnout for the workshop was good and I think everybody involved in walleye research came away with some new insights. Thanks to Mark and Lars for the time and effort! Congratulations also to Doug Stang who was elected to the NED leadership as 1st Vice President. We now have two NY Chapter members on the NED board - Barb Knuth - President elect and Doug. The first call for papers for the NY Chapter annual meeting is included with this newsletter. The theme of this year's conference is Communications in Fisheries: Cold Fish, Hot Public. We've changed the location this year to Saratoga Springs to add a little diversity to the meeting. It will be held at the end of January (28-30) and it coincides with Saratoga Spring's Winterfest. I hope everyone can plan on attending. We still have two vacancies on the committees. I would like to fill the professional diversity and professional incentives committee chair positions before the end of the year. If you've been anxious to volunteer, now is the time. Please contact me if you'd like to find out more. I hope everyone is enjoying their summer. The AFS national meeting is in the northeast this year, in Hartford, CT and it looks like a diverse conference with something for everyone. I encourage everyone to attend; it

won't be in the northeast again until 2002. Please contact me if you have any questions or concerns about the Chapter.

Margaret H. Murphy
O'Brien & Gere Engineers, Inc.
5000 Brittonfield Pkwy
Syracuse, NY 13221
(315)437-6100 x2724
murphymh@obg.com

Chapter News

Reservoir Drawdown Bill to Become Law

In past years thousands of fish died unnecessarily by avoidable drawdown of reservoirs operated by state and local government agencies. Methods are available as simple as slowing the rate of drawdown to prevent fish stranding, or using temporary coffer dams or stop logs with a pump to make repairs without draining the water. The new law will amend the Environmental Conservation Law to require state and local governments to avoid or reduce unnecessary fish kills from reservoir drawdowns. Exemptions are provided for emergencies, federally licensed hydropower, and New York City water supply reservoirs.

After passing the New York Senate, the bill appeared to be stalled in the Assembly. The New York Chapter AFS wrote to Assemblyman Richard Brodsky requesting his support of this bill. He subsequently introduced the bill, which was passed in the final hours of the 1998 legislative session. The bill was delivered to Governor Pataki June 25, and will become law on January 1, 1999. Bill Sarbello, Bureau of Habitat, and NYAFS Chapter Member, drafted the original legislative proposal and deserves a vote of thanks.

Howard Simonin, Environmental Concerns Committee

ISTEA Transportation Bill Passed

The ISTEA transportation bill has passed by Congress and been signed by President Clinton. The transfer of receipts from boat and small engine fuel taxes to the Aquatic Resources Trust Fund has been extended. The portion of the boat gasoline tax dedicated will increase from 11.5 cents to 13 cents per gallon on October 1, 2001 and increase further to 13.5 cents on October 1, 2003.

AFS - New York Chapter Newsletter -- August, 1998

Upcoming events

The New York Natural History Conference V
October 14-17, 1998, A Forum for Current Research. For information call (518) 474-5812 or email smurphy@mail.nysed.gov

State of the St. Lawrence River Fishery Conference. November 14, 1998. Alexandria Bay NY., Sponsored by New York Sea Grant, NYSDEC, OMNR, SUNY-ESF. Contact Dave MacNeil (716) 395-2516

New York Chapter American Fisheries Society Workshop: Statistical Refresher for Fisheries Professionals: December 2-3, 1998, Holiday Inn, Cortland NY. Contact Dave Lemon, NYSDEC, 1285 Fischer Ave., Cortland NY 13045. (See attached registration sheet)

New York Chapter American Fisheries Society Annual Meeting: Communications in Fisheries: Cold Fish, Hot Public. January 28 - 30, 1999 Holiday Inn, Saratoga Springs, NY.
Program Chair: Dick McDonald,
US FWS Lower Great Lakes Fishery Resource Office
405 N. French Rd Suite 120A
Amherst, NY 14228-2008
716 691-5456, 716 691-6154 (fax)
email: dick_mcdonald@mail.fws.gov

129th American Fisheries Society Annual Meeting. August 30-September 2, 1999. Adams Mark Hotel, Charlotte, North Carolina. Contact Paul Brouha; AFS; 5410 Grosvenor Lane, Suite 110; Bethesda, MD 20814-2199; (301)897-8616, ext. 209; FAX (301)897-8096; pbrouha@fisheries.org

New Release

The New York State Museum has recently published a book entitled *The Pearly Mussels of New York State* authored by Dr. David L. Strayer and Kurt J. Jirka. This book summarizes the distributions, past and present, of freshwater mussels in New York State and discusses the causes of those distributions. The book also provides keys, illustrations, colored plates, and descriptions of the shells of New York's pearly mussels as aids in their identification. Individual species accounts are presented that provide information on each species' physical characteristics, habitat use, and distribution in New York State. Distribution maps present location records for

collections made before and since 1970, as well as locations of old, imprecise records. This book will be of interest to anyone interested in freshwater mussels, distribution of aquatic fauna in New York State, or the general natural history of this region. Copies may be ordered from:

Publication Sales
New York State Museum
Albany, NY 12230
Phone: (518) 449-1404

Wanted

Suggestions Needed For Local Contributors to Chapter Raffle

One of the highlights of our Chapter annual meeting is the raffle. We are preparing to solicit various tackle and equipment suppliers for donation. However, we also like to receive donations from local businesses. The 1999 annual meeting will be held in Saratoga Springs. If you have any suggestions for local businesses (Albany-Saratoga-Adirondacks) we can solicit for donations of outdoor products, we would like to hear them. Examples may include camping gear, guides, artwork, cutlery or books.

We need your help to make the raffle it's usual success. Please send your ideas, along with the companies' mailing addresses to Allen Peterson via fax (607) 762-8407 or e-mail ampeterson@nyseg.com.

Fishing Slides for 1999 Annual Meeting

President-elect Allen Peterson is preparing a special slide show to open our 1999 Annual Meeting in Saratoga Springs. This slide show will focus on fish and fishing, especially by the kids. Allen is asking all members to send in their favorite fishing slides to be part of the presentation. The subjects should be: fish habitat (scenic and degraded), pretty fish, people fishing (scenic or humorous), people with caught fish (especially children). Each slide should have your full name on it and they should be sent in a container with your name and return address. Please help our meeting get off to a rousing start! Mail your slides between now and Thanksgiving to:

Allen Peterson
130 Genesis Court
Owego, NY 13827

For further information call Allen at (607) 762-7072

NEW YORK CHAPTER - AMERICAN FISHERIES SOCIETY

FIRST CALL FOR PAPERS

Communications in Fisheries: Cold Fish, Hot Public

ANNUAL MEETING - JANUARY 28 - 30, 1999

Holiday Inn, Saratoga Springs, NY

Author(s):

Title:

Abstract:

Student

Professional

Poster

Presenting Author's address and phone number: _____

SUBMIT ABSTRACTS TO:

Dick McDonald
US FWS Lower Great Lakes Fishery Resource Office
405 N. French Rd Suite 120A
Amherst, NY 14228-2008
716 691-5456
716 691-6154 (fax)
email dick_mcdonald@mail.fws.gov

Abstract Deadline: December 31, 1998

Lou Brett, Program

Committee Reports

Workshop -- Dave Lemon. 97 Workshop was Boat Safety and Navigation held in Cortland which was attended by 59 individuals. 98 Workshop will be statistics for fisheries professionals taught by Steve Stehman ESF.

Environmental Concerns - Howard Simonin. Limited activity, open to input.

Membership -- Margaret Murphy. 304 members, is working to increase student membership.

Annual Meeting -- Betty Lou Brett. The 1998 annual meeting is a success, all invited speakers are present except J. Calhoun, due to a family health emergency.

Resolutions -- Dave Bryson. None past year. However, NYSDEC (D. Sheppard) working on instream policy for winter withdrawals. During year had sent letters concerning Wallop Breau and Teaming with Wildlife.

Professional Incentive -- Paul McKeown. Three nomination this year for Professional Achievement Award: Clif Schneider, Carl Schofield, Richard Colesante Motion that Jim Haynes, Brockport be nominated for next year.

Newsletter -- L. Rudstam indicated that Tony VanDeValk had done an excellent job and that John Farrell the new editor will work with Tony to get the first issue out. The deadline for submittal is March 30.

Student Affairs/Student Subunit -- Margaret Murphy. Cornell has shown the most interest, Syracuse ESF has also shown some interest. Margaret will continue to try to contact Brockport, St. Lawrence, Cobleskill, Finger Lakes Community College. Approximately 25 student members will have meeting following chapter banquet. Will continue to involve other schools.

Professional Diversity -- Betty Lou Brett. This year notables are: woman chapter president, woman annual meeting Chair, women invited speaker. However, women and minorities in chapter are present in relatively low numbers, but women are more prevalent in student subunit.

Youth Education -- Chris Lowie. Steve Brown was hired as SAREP director; Doug Carlson had some indirect input into search and selection. Chapter donated \$100 to Parent Society toward Program to review youth curriculum programs, and \$100 to Skinner Memorial Fund.

ANNUAL ELECTIONS

Allen Peterson and Dave Bryson were nominated for chapter president, after ballots were counted it was determined that Allen Peterson will serve as Chapter President in 1999.

L. Rudstam thanked all committee members for their support in serving the AFS NYC, and T. Sinnott who has served as Secretary/Treasurer for 6 years.

1998 NYCAFS Workshop

The topic of the 1998 New York Chapter AFS workshop is **Statistics Refresher for Fisheries Professionals**. The course will be taught by Steve Stehman, a statistics professor with SUNY ESF at Syracuse. The workshop is to be held at the (Cortland Holiday Inn) on Wednesday, December 2 and Thursday December 3, 1998. The course will include 10 to 12 hours of lecture on statistical principle relevant to fisheries professionals. A course handbook will be included for future reference and general note-taking.

Specific topics to be covered will include a quick review of basic statistics, hypothesis testing, correlation and regression analysis, and a rudimentary discussion on sampling theory. Fisheries examples will be emphasized in all discussions. If you have specific examples or problems feel free to send them to David Lemon at NYSDEC, 1285 Fisher Ave., Cortland NY, 13045 and we may be able to address them during the course.

Cost of the workshop will be \$50.00 for NYC-AFS members and \$55.00 for non-members. Complete and return the registration form below. Dinner the first night and breakfast the following morning are included in the registration fee. Lodging reservations must be made independantly. Rates at the Holiday Inn are \$50.00 for single and \$65.00 for double occupancy rooms. Their phone number is (607) 756-4431. Lodging reservations must be made by November 2, 1998 to guarantee these room rates.

Statistics Refresher for Fisheries Professionals

Registration Fee: \$50.00 NYC-AFS members
\$55.00 non-members

(Checks payable to: *New York Chapter - AFS*)

Name: _____

Position: _____

Employer: _____

Address: _____

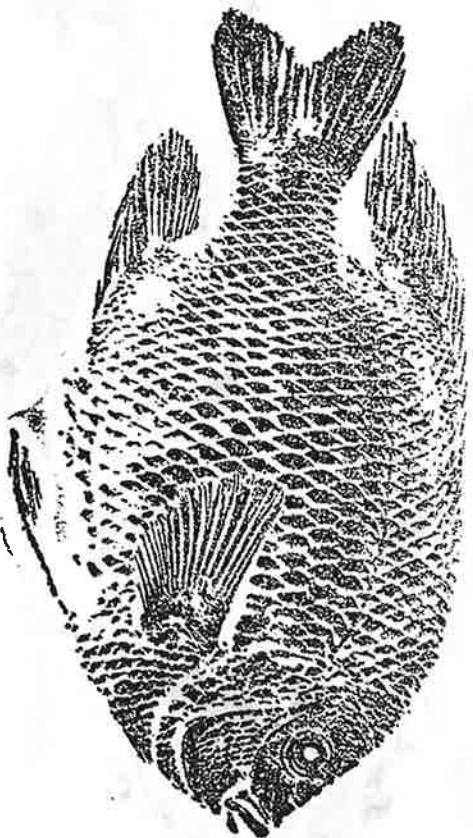
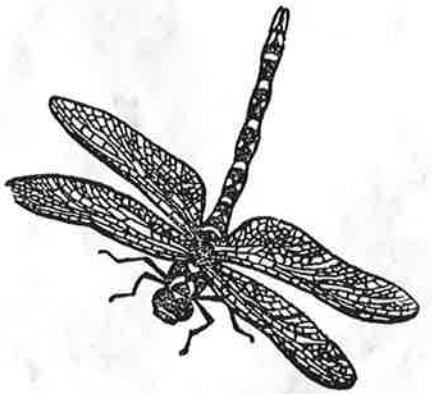
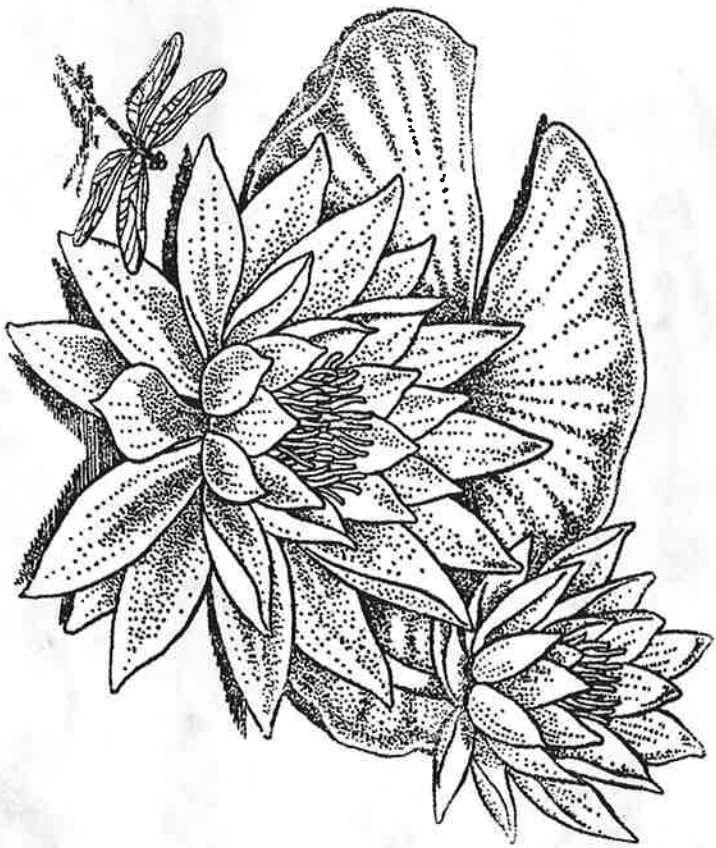
Phone: _____

Fax: _____

E-mail: _____

Return to: David Lemon
NYSDEC
1285 Fisher Ave.
Cortland, NY 13045

15-62-1-11



**Water Quality and
Fisheries**

**New York Chapter
American Fisheries Society
Annual Meeting
January 29-31, 1998
Treadway Inn,
Owego, NY**

Comparison of Trout Diets in Two Finger Lakes with Varying Productivity.

Weidel B., R. Ruby, D. Stewart, L. Rudstam, and E. Mills

Cornell Biological Field Station,
900 Shackelton Pt. Rd.,
Bridgeport, NY 13030

Age at length and diet were used to compare trout populations in two eastern New York Finger Lakes. The lakes differ in productivity with Owasco Lake being classified as mesotrophic and Skanateles Lake as oligotrophic. Trout were collected by horizontal gill netting and cooperating anglers who saved post-filleted remains for dissection. Ages of individual fish were interpreted from sectioned otoliths (sagittal). Gut contents were identified into main dietary groups. Age at length data indicates that Owasco Lake's lake trout *Salvelinus namaycush* and rainbow trout *Oncorhynchus mykiss* populations grow at a faster rate than those in Skanateles Lake. In Owasco Lake alewife had the highest frequency of occurrence in both lake trout and rainbow trout diets. Forty percent of lake trout stomachs in Skanateles Lake were empty. The freshwater shrimp *Mysis relicta* appeared most frequently in Skanateles lake trout diets. Rainbow trout diets in Skanateles were dominated by terrestrial insects (45 percent frequency of occurrence). These data show that Skanateles trout rely heavily on allochthonous energy inputs while Owasco trout depend primarily on the alewife population. Owasco trout populations can be categorized as fast-growing depending on fish as the main dietary item. Skanateles trout populations grow at a much slower rate and depend on terrestrial insects and aquatic invertebrates for the main portion of their diet. Growth of Owasco trout is similar to growth rates in other Finger Lakes and Lake Ontario whereas growth of Skanateles trout is among the slowest in the Finger Lakes region. These results are discussed relative to the ongoing oligotrophication of both Finger Lakes and Lake Ontario.

Student contributed paper

**New York Chapter American Fisheries Society
Annual Meeting
January 29-31, 1998
Treadway Inn, Owego, NY
Water Quality and Fisheries Symposium**

- January 29 Thursday**
6:00 - 9:00 p.m. Registration
7:00 p.m. Ex-con meeting
8:00 p.m. Social
- January 30 Friday**
7:30 a.m. Morning coffee available
8:00 a.m. Registration
- Symposium : Water Quality and Fisheries Symposium**
Chair Betty Lou Brett
Biology Department, Nazareth College, Rochester, NY
- 8:20 a.m. Greetings Lars Rudstam
NYC AFS President
Introductory Remarks Betty Lou Brett.
- 8:25 a.m. **"Social perceptions of Fisheries and Water Pollution"**
Barbara Knuth
Human Dimensions Research Unit, Dept. of Natural Resources, Cornell University
- 8:30 a.m. **"Endocrine Disrupters in the Environment: Human and Wildlife Health Issues"**
James Haynes
Department of Biological Sciences, State University of New York College at Brockport
- 9:10 a.m. **"Pollution and Genetics: Messenger RNA and the Tomcod in the Hudson River."**
Issac Wirgin
Institute of Environmental Medicine, NYU Medical Center, Tuxedo, NY
- 9:50 a.m.
- 10:30 a.m. Break

Aquatic Caterpillar (*Acentria ephemerella*) as a Possible Biocontrol Agent for Eurasian Watermilfoil

Jason A. Toner and Peter J. Vandusen

Section of Ecology and Systematics,
E150 Corson Hall, Cornell University,
Ithaca, NY 14853-2701

Myriophyllum spicatum L. (Eurasian watermilfoil) is an exotic submersed macrophyte present throughout the US. *M. spicatum* out competes native aquatic macrophytes by quickly growing to the surface and forming a dense, shading canopy. This canopy also reduces the water quality for recreational and aesthetic uses. New York lake shore owners and lake managers have spent millions of dollars attempting to control Eurasian watermilfoil using mechanical harvesting and herbicides. These techniques have met with limited success, are considered short-term investments, and may inadvertently reduce the abundance of important insect herbivores. To date, Eurasian watermilfoil management efforts in NY have not included biocontrol organisms already present in these waterbodies. *Acentria ephemerella* is a naturalized moth that spends its larval stage in water, feeding on aquatic macrophytes, and is associated with milfoil declines in several NY lakes. In laboratory experiments, *M. spicatum* was preferred by *Acentria* larvae but other aquatic macrophytes could act as alternative food sources. *Acentria* larvae reduce milfoil growth by attacking apical growing tips and stems. In the past two years, we conducted a survey of 26 NY waterbodies to determine the presence of aquatic herbivores that feed on Eurasian watermilfoil, including *Acentria ephemerella* and *Euhrychiopsis lecontei*, a native weevil. *Acentria* were found in 25 and *Euhrychiopsis* were found in all of the 26 waterbodies sampled, indicating that both herbivores are widespread throughout NY. Biocontrol of Eurasian watermilfoil, using one or both of these herbivores, has not yet been integrated into present management practices and should be further investigated.

Poster

Poster Presentations

"Size-Dependent Alewife Predation on Walleye Fry In Lab Experiments"
Thomas E. Brooking, Lars G. Rudstam, Mark H. Olson, Anthony J. VanDeValk
Cornell Biological Field Station, Bridgeport, NY

"New York State's Endangered Fish Program" Douglas M. Carlson,
Endangered Fish Program Coordinator, NYSDEC,
Watertown, NY

Population trends and the Current Status of Smallmouth Bass in the Eastern Basin of Lake Ontario
Jana R. Chrisman, Thomas Eckert, and Albert Schlavone
Cape Vincent Fishery Station & NYSDEC Region 6, Watertown, NY

Toxicity of Several Mosquito Insecticides to Amphibian Larvae
Eric A Paul and Howard A Simonin
NYSDEC Aquatic Toxicant Research Unit,
Rome, NY

Aquatic caterpillar (*Acentria ephemerella*) as a possible biocontrol agent for Eurasian watermilfoil
Jason A. Toner and Peter J. Vandusen
Cornell University, Ithaca, NY

5:30 p.m. **Pre-dinner Festivities with beer**
Raffle tickets sold during social and dinner

6:30 p.m. **Dinner** Williamsburg Room

Professional Achievement Awards
Raffle with dessert

Toxicity of Several Mosquito Insecticides to Amphibian Larvae

Eric A Paul (Presenting) and Howard A Simonin
 NYSDEC

Aquatic Toxicant Research Unit
 8314 Fish Hatchery Road
 Rome, NY 13440

Amphibian populations are declining over the entire North American continent (and in fact the world). Much of this loss can be attributed to a loss of habitat. Yet some amphibian populations appear to be in decline in areas where habitat loss is not occurring. This has sparked a renewed interest in the effects of toxicants on amphibians. We conducted several toxicity tests on tadpoles of bullfrogs (*Rana catesbeiana*), green frogs (*R. clamitans*), northern leopard frogs (*R. pipiens*), and spotted salamanders (*Ambystoma maculatum*). Pesticides used in these studies were all mosquito insecticides and included naled, temephos, permethrin, resmethrin (synergized and non-synergized), and methoprene. These tests were conducted to determine the toxicity of these insecticides as well as to compare the sensitivity of several different amphibian tadpoles to these pesticides. We found that the synergist piperonyl butoxide greatly increased the toxicity of resmethrin. We also found that northern leopard frog tadpoles were less sensitive than the other ranid species tested. Spotted salamander larvae were the least sensitive of all species tested. Our toxicity studies indicate that amphibian tadpoles are no more acutely sensitive to these pesticides than fish species. Amphibians, in fact, seem to be much less sensitive to these pesticides. Restrictions on pesticide use which are protective of fish species should be protective of amphibian larvae as well.

Poster



10:15 a.m.

***"Attachment Behavior and Growth of Larval Muskellunge and Northern Pike from the Thousand Islands Region of the St. Lawrence River".**

John E. Cooper
 Environmental Science and Forestry, State University of New York, Syracuse, NY

10:30 a.m.

***"Creel survey of Oneida Lake".**
M.A. Gerken, . A.J. VanDeValk, B. Young, and L.G Rudstam
 Cornell Biological Field Station, Bridgeport, NY

10:45 a.m.

***"Temporal Availability and Use of Nearshore Habitat by Fish Communities in Little Moose Lake"**
Peter Brown
 Cornell University, Ithaca, NY

11:00 a.m.

"Size-selective predation of zooplankton by lake trout in Little Moose Lake."
Charles Krueger, Daniel Josephson, and Timothy Strakosh.
 Adirondack Fishery Research Program, Department of Natural Resources, Cornell University, Ithaca NY

11:15 a.m.

"The Contribution of Sediment Mats to Maintenance of Water Quality in Sensitive Fisheries: A Four-Year Retrospective".
Allen Peterson
 NYSEG

11:30 a.m.

"Impacts of Elevated pH on Fish and Macroinvertebrates in a Missouri Stream"
Margaret H. Murphy
 O'Brien & Gere Engineers, Inc., Syracuse, NY

12:00

Closing remarks and presentation of Best paper awards

* indicates a student presentation

Impacts of Elevated pH on Fish and Macroinvertebrates in a Missouri Stream

Margaret H. Murphy

O'Brien & Gere Engineers, Inc.,
5000 Brittonfield Parkway,
Syracuse, NY 13221

A stream survey was conducted at an active limestone mining and production facility located in Missouri. Storm water runoff following a rain event generally transmits lime and earthen materials into approximately 2 mi of an adjacent stream. During storm flow events pH of the seven permitted outfalls exceeds Missouri water quality standards of 9. Stream sampling was performed to assess potential impacts to stream biota due to periodic exceedances of pH. Habitat characterization and biota sampling were conducted on nine stations in the impacted stream and one station in a reference stream to evaluate the biological communities. One upstream station (background) was selected on the impacted stream to assess stream conditions prior to receiving discharge from the plant. Measured habitat variables consisted of chemical data (pH, dissolved oxygen, conductivity, alkalinity, temperature) and physical data (width of channel, width of water, depth of water, velocity, substrate composition, aquatic vegetation, and percent shading). Amount of lime precipitate covering the substrate also was qualitatively assessed (percentage of coverage) and recorded. A total of 12 fish species was collected from the 9 stations. Fish species abundance declined moving downstream from the plant site. Macroinvertebrates were collected from each station with 4 to 9 orders being represented from each station. Samples from the downstream stations contained lower abundances; however, diversity and equitability were comparable to more upstream stations. Downstream communities do not appear to contain enough suitable habitats to support high abundances of macro invertebrate species, but enough heterogeneity to support comparable taxa diversity. These lower abundances may be due to periodic or chronic episodes of high pH.

Professional contributed paper



Endocrine Disrupters in the Environment: Human and Wildlife Health Issues

James Haynes

Center for Applied Aquatic Science and Aquaculture, Department of Biological Sciences, State University of New York College at Brockport, New York 14420

A number of chemicals, such as PCBs, DDT-related pesticides, and agricultural chemicals (e.g., vinclozalin, atrazine), are known to disrupt or are strongly suspected of disrupting the normal development of sexual organs or sexual behavior in birds, wildlife, or fish. These chemicals appear to mimic or interfere with sex hormones (particularly the female hormone, estrogen) during embryonic development. Recently, a number of scientists have attributed apparently rising rates of human reproductive tract disorders and breast and testicular cancers to a variety of anthropogenic chemicals released into the environment. Because of ecological magnification, fish are among the highest sources of many of these environmental contaminants in the diets of wildlife and humans. My talk will review published evidence on the physiological, behavioral and developmental effects of a variety of chemicals, primarily organochlorine compounds, on wildlife and humans, and it will ask how scientists and society should deal rationally and ethically with the implications of the evidence for transgenerational effects of developmental toxins that have been or continue to be released into the environment.



Creel survey of Oneida Lake.

**M.A. Gerken, A.J. VanDevalk, B. Young,
and L.G. Rudstam**

Cornell University, Cornell Biological Field Station, 900
Shackelton Pt. Rd., Bridgeport, NY 13030

Oneida Lake has traditionally provided one of the best warm-water fisheries (walleye *Stizostedion vitreum*, yellow perch *Perca flavescens* and smallmouth bass *Micropterus dolomieu*) in the State of New York. In 1997 an extensive creel survey was conducted to develop estimates of angler catch rates, angling effort across the lake, and harvest rates for each species during the course of the open-water season. This data was compared to mark-recapture population estimates for walleye and perch for the spring of 1997. Results were also compared to previous harvest rates and angler effort determined by the last creel survey of Oneida Lake conducted in 1957-1959 (Grosslein 1961) in order to observe changes in angler catch rates, harvest, and behavior.

Student contributed paper

The 1997 Oneida Lake Angler's Survey

Jacob Hooper

Cornell University, Ithaca, NY 14853

The purpose of the 1997 Oneida Lake Angler Survey was to gather information about the angling population of Oneida Lake. This survey focused on walleye anglers; their catch per unit effort and their opinions on different topics of interest to members of the Cornell Biological Field Station, the Cornell Human Dimensions Unit, and the Department of Environmental Conservation. The survey consisted of questions that dealt with angler opinions and characteristics, such as; their perceived skill level, satisfaction, opinions on water clarity and cormorants, number of years fishing on the lake and the distance traveled to fish. The survey was conducted throughout the summer at three different boat launches along the south shore of Oneida Lake. There were 309 interviews conducted that accounted for 2949 hours of fishing, 1059 caught walleye and a catch rate of 0.36 walleye an hour.

Student contributed paper

Novel Approaches to Assessing the Effects of PCBs and Dioxins on Immune Functions in Fish.

George E. Noguchi,
U.S. Fish and Wildlife

Service, Division of Environmental Contaminants,
4401 N. Fairfax Dr., Suite 330,
Arlington, VA 22203

Concern over the epizootic outbreak of bacterial kidney disease in Lake Michigan chinook salmon (*Oncorhynchus tshawytscha*) has raised questions about the role that chemical contaminants may play in modulating immunity and disease resistance in fish. Polychlorinated diaromatic hydrocarbons (PCDHs), including 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) and structurally-related polychlorinated biphenyl (PCB) congeners, are a class of anthropogenic compounds that have been detected in fish throughout the Great Lakes. PCDHs are known to be immunotoxic to sensitive mammalian species, however, their effectiveness at modulating immune responses in fish is less certain. Several factors have contributed to the difficulty in evaluating the immunotoxicity of PCDHs to fish including differences in species sensitivity, differential sensitivity of immune responses, differential potency of PCDH congeners, pharmacokinetic considerations, and large within-treatment variability often observed in *in vivo* studies. In order to reduce and/or evaluate the variability associated with these factors, we have employed *in vitro* assays using chinook salmon spleen cell cultures to measure the direct effects of PCDHs on functional immune responses. *In vitro* assays provide a way to directly assess the sensitivity of fish lymphocytes to the immunomodulatory effects of PCDHs and may be useful for elucidating mechanisms of action.

Using Diaries to Examine Children's Fishing Patterns

Nancy A. Connelly and Barbara A. Knuth

Human Dimensions Research Unit,
Department of Natural Resources
Cornell University, Fernow Hall,
Ithaca, New York 14853, USA

A diary methodology was used to study the fishing patterns of children who participated in the Sportfishing and Aquatic Resources Education Program (SAREP) in central and western New York in 1996. Of the 53 children who were sent diaries in June 1996, all provided some information about their fishing activities during the study period (July 1 - October 15, 1996). The mean number of days fished for all children during the study period was 5.2 days (+1.6), or once every three weeks (.35 days/week). However, fishing effort was not uniform across the study period; the majority of fishing effort occurred during the summer months, when the children were not in school. A conservative estimate of mean annual fishing effort derived from the diary data was 9.3 days per year. Children were generally not fishing the major water bodies of New York State. Based on the descriptions of where children said they fished, the majority of the waters fished were small ponds or lakes. Most (60%) fishing days for children involved going fishing with a family member. For about one-third (35%) of the days children were accompanied by friends. Children caught fish on most days (71%). Panfish (e.g., sunfish, yellow perch, bullhead, and crappies) were the most commonly caught fish (56% of days). For children, the diary methodology provided valuable detailed information on recreation participation after cooperation in the study was established. Publicizing access availability and locations for small, local panfish waters that could sustain additional harvest may be an effective management strategy for recruiting and retaining youth anglers.

Student contributed paper

Environmental Consequences of Net-pen Culture in the Great Lakes

Joseph K. Butner¹,

Robert H. Findlay², Joseph C. Makarewicz³, David M. Arquette⁴,

David Corbiere⁵, Kenneth C. Weaver³, and Donald E. Langworthy²

Water quality and benthic impacts of net-pen culture at the confluence of the Racquette and St. Lawrence Rivers and the North Channel of Lake Huron were monitored between June - October 1995 and June 1996 - September 1997, respectively. Dissolved oxygen, pH, water clarity, alkalinity, conductivity, total phosphorus, total Kjeldahl nitrogen, periphyton growth rate, carbon flux to the benthos, microbial biomass, and macrobenthic invertebrate abundance were monitored at stations 0, 7.5, 15, and 100 m from the net-pens. Sampling was conducted in January and March 1997 and monthly during the growing season.

At the St. Lawrence River site, yellow perch (*Perca flavescens*) and black bullhead (*Ameiurus melas*) were cultured in a single net-pen (~60 m³) floated in flowing water 4.8 \bar{n} 5.5 m deep. Fish were fed daily with a commercial ration (38% protein) and harvested on 8 October 1995 (167 kg; average weight = 0.04 or 0.11 kg for perch and bullhead, respectively). Analyses of water quality and the benthic environment identified no significant impacts attributable to the net-pen other than decreased periphyton growth at the upstream edge of the net-pen, perhaps due to shading. The lack of environmental impacts can be related to mixing at the confluence of the Racquette and St. Lawrence Rivers as well as the relatively low biomass of fish being cultured at the site.

At the North Channel site, rainbow trout *Oncorhynchus mykiss*, ~270,000 kg/annually, average weight = 2 kg) were cultured in 12 net-pens (~4,100 m³ each) floated in static water 18 - 20 m deep. Fish were fed daily a commercial ration (44% protein). Significant impacts to the water quality and benthic environment were observed at the North Channel site. Most impacts occurred in the hypolimnion, proximal to net-pen site. Dissolved oxygen, pH, total phosphorous, conductivity and periphyton growth rate were adversely impacted by the net-pen. Carbon flux to the benthos and microbial biomass were significantly greater proximal to the net-pen, and macrobenthic abundance and richness were significantly reduced proximal to the net-pen.

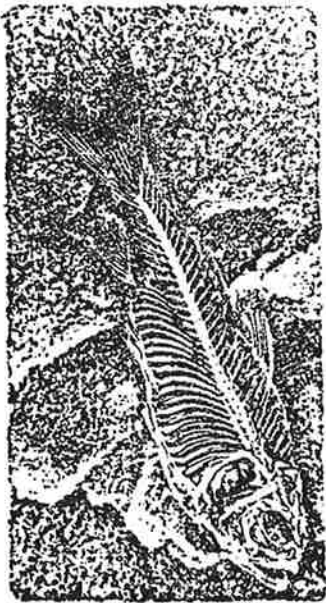
Our data indicated that net-pen culture, even at modest levels, alters the environment. At modest intensities, net-pen culture can be pursued with benign environmental impact if net-pens are carefully located and wisely managed. As culture effort intensifies, the likelihood and magnitude of impact increases. Regardless of cul-

New York State's Endangered Fish Program

Douglas M. Carlson,
Endangered Fish Program Coordinator
New York State Department Environmental Conservation, 317
Wash St., Watertown, NY 13601

New York's list of endangered, threatened and special concern fishes has included 19 species since 1983, and two species are rated as priority imperiled. These two species, lake sturgeon and round whitefish are of greatest interest to this program in NYSDEC, Bureau of Fisheries, and Recovery Plans for each species are available. These plans describe actions to *secure* them as self-sustaining populations. Artificial propagation is underway for both species, and lake sturgeon spawning areas are being enhanced. The overall endangered fish program was updated in 1993, with a reclassification process by a panel of experts. They and the reviewers decided on a new list with 26 species. Two non-parasitic lampreys, spotted darter and iron color shiner were among the nine additions. This proposed list may be implemented in 1998, so the 19 species listed as endangered or threatened would be *protected*. Each of the 26 species classified as endangered, threatened or special concern, plus five other fish, are described in separate 2-3 page *Species Accounts* which are available to provide background information.

Poster



Abstracts of Contributed Papers and Posters

Listed in alphabetical order

Behavioral Thermoregulation: Comparison of Brook Trout and Rainbow Trout in an Adirondack River

Owen E. Baird and Charles C. Krueger
Ferro Hall
Cornell University
Ithaca, NY 14853

Temperature sensitive radio transmitters were used to monitor body temperature and movement of fifteen hatchery-origin and two wild brook trout (*Salvelinus fontinalis*), and eleven hatchery-origin rainbow trout (*Oncorhynchus mykiss*) from June through September 1997 in a fifth order Adirondack river. Fish were released in a section of a river that during summer experiences near-lethal maximum temperatures for trout survival (maximum hourly water temp in 1997: 26.1°C; maximum daily average: 24.8). Brook trout were usually cooler than the ambient river flow by using cool water associated with tributaries, groundwater seeps, or deep thermally stratified pools. Rainbow trout were usually closer to the ambient river temperature than brook trout and were never as cold as the coldest brook trout. Brook trout movement was often associated with flow increases or maximum summer temperature periods. Rainbow trout movement was not associated with any obvious variables. Groundwater refugia may be important for the survival of both wild and stocked brook trout in medium to large Adirondack rivers during summer. The importance of thermal refugia areas for brook trout survival may increase with potentially increasing global temperatures.

Presenting author (Baird) is a student

NAME	YEARPD	AFSPAY	ADD1	ADD2	CITY	HOMEPH	BUSPH	BMAIL	renewal
ADRIAN, DAVID J. AFS	97	Y	891 WALDEN AVE 5410 GROSVENOR LANE	891 WALDEN AVE SUITE 110	BUFFALO, NY 14211 BETHESDA, MARYLAND 20814		(716) 893 0917		
ALFORD, THOMAS E.	98		115 SOUTH ST	115 SOUTH ST	MIDDLETON, NY 10940	(914) 343-1336	(914) 341-4276	talford@sunyorange.edu	
ALLEN, J. FRANCES	98	Y	RR1 BOX 9	RR1 BOX 9	ROXBURY, NY 12474				x
ANDREYKO, HELENA	97		99 BANK ST. #3M	99 BANK ST. #3M	NEW YORK, NY 10014	212-727-3048	212-924-8290		
ANGYAL, ROBERT K.	98	Y	852 BUCK ROAD	852 BUCK ROAD	STONE RIDGE, NY 12484	914-687-7821	914-255-5453		x
ARNOLD, STEPHEN H.	98	Y	Duke Engineering & Service	500 WASHINGTON AVE	PORTLAND, ME 04103				3/31/98
ARRIGO, MARK A.	98S	Y	129 IDLEWOOD BLVD	129 IDLEWOOD BLVD	BALDWINVILLE, NY 13027				3/31/98
ATZ, JAMES W.	98	Y	106 BAYVIEW AVE	106 BAYVIEW AVE	PORT WASHINGTON, NY 11050				x
BAIN, MARK	98	Y	NY COOP F&W RES UNIT	PERNOW HALL, CORNELL UNIV	ITHACA, NY 14853				x
BAIRD, OWEN E.	98	Y	206D FERNOW HALL	CORNELL UNIVERSITY	ITHACA, NY 14850				x
BALDIGO, BARRY	98	Y	425 JORDON RD	425 JORDON RD	TROY, NY 12180	518-732-4335	518-472-3107		x
BALDWIN, BRAD	98		Bio Dept., Bewkes Hall	ST. LAWRENCE UNIV.	CANTON, N.Y. 13617		(315) 229-5240		
BALK, CHRISTOPHER	97		305 ELLINGTON CT	305 ELLINGTON CT	CAMILLUS, NY 13031	(315) 488-5389	(315) 653-7727		
DANASZEWSKI, WILLIAM	98	Y	FINGER LAKES COMM COLLEGE	4355 LAKE SHORE DR	CANANDAIGUA, NY 14424				x
BARKER, HEATHER	98S	y	504 Lower Creek Rd	504 Lower Creek Rd	Ithaca, NY 14850				3/31/98
BARNHART, GERALD A.	98	Y	NYSDEC	50 WOLF RD	ALBANY, NY 12233-4750				x
BATH, DALE W.	98	Y	P.O. BOX 104	P.O. BOX 104	LAKE PLACID, NY 12946				xx
BAUDANZA, TOM	98	y	DEP/BWSP Ben Nesin Lab	DEP/BWSP Ben Nesin Lab	Shokan, NY 12481				3/31/98
BAUM, THOMAS R.	97	Y	EMPIRE FIBERGLASS PRDCTS	PO BOX 1006	LITTLE FALLS, NY 13365				
BEEVER, JAMES	98	Y	20 ROXANNE BLVD	20 ROXANNE BLVD	HIGHLAND, NY 12528	914-691-6596	914-938-2314	yj6936@odia.usna.army.mil	10/7/98
BISHOP, DANIEL	98		4141 SOUTH STREET	4141 SOUTH STREET	MARCELLUS, NY 13108	(315) 673-1257	(607) 753-3095	dlbishop@gw.dec.state.ny.	
BORKO, MARTIN	98		BIOLOGY DEPT.	ORANGE CO. COMM COLLEGE	MIDDLETOWN, NY 10940	(914) 342-1684	(914) 341-4276	mborko@frontiercom.com	
BOWSER, PAUL R	98	Y	DEPT OF MICROBIOL & IMMUNOL	CORNELL UNIVERSITY	ITHACA, NY 14853	(607) 277-6864	(607) 253-3365	prb4@cornell.edu	x
BRETT, BETTY LOU	98		NAZARETH COLLEGE	4245 EAST AVE	ROCHESTER, NY 14618-3790	(716) 424-4578	(716) 586-2525	blbrett@naz.edu	1/31/98
BRIGGS, PHILLIP T	98	Y	62 JOHNSON AVE	62 JOHNSON AVE	SAYVILLE, NY 11782-1202	(516) 751-7900			x
BROOKING, THOMAS	98		900 SHACKELTON ROAD	900 SHACKELTON ROAD	BRIDGEPORT, NY 13030	(315) 687-7966	(315) 633-9243	tehl@cornell.edu	
BROTHERS, EDWARD	98	Y	3 SUNSET WEST, R.D. 7	3 SUNSET WEST, R.D. 7	ITHACA, NY 14850		(607) 347-4203		x
BROWN, PETER J	98	Y	83 WOODBURY	83 WOODBURY	AMHERST, NY 14226				x
BROWN, STEVE	98	Y	PERNOW HALL	CORNELL UNIV	ITHACA, NY 14853				x
BROWN, TOMMY L.	98	Y	122 FERNOW HALL	CORNELL UNIVERSITY	ITHACA, NY 14853				x
BRUMSTEAD, HARLAN B.	98	Y	19 B STRAWBERRY HILL RD	19 B STRAWBERRY HILL RD	ITHACA, NY 14850				x
BRUSH, TIMOTHY D.	98	Y	224 OLD FERRY RD	224 OLD FERRY RD	BRATTLEBORO, VT 05301		(802) 257-5500		5/4/98
BRYSON, DAVID S	98	Y	3755 Stillwell Rd.	3755 Stillwell Rd.	Mc Gray, NY 13101	(607) 836-6832	(607) 753-9334		x
BUCKEL, JEFFREY A.	97S	Y	MAR SCI RES CTR	SUNY AT STONY BROOK	STONY BROOK, NY 11794				
BUTTNER, JOSEPH K	98S	Y	SALEM STATE COLLEGE	352 LAFAYETTE	SALEM, MA 01970	(978) 740-8975	(978) 741-6707	jbuttner@salem.mass.edu	xx
CAHN, PHYLLIS	97	Y	DEPT BIOL BROOKLYN COLL	2900 BEDFORD AVE	BROOKLYN, NY 11210-2889	(516) 427-5399	(516) 791-8251		
CAMPBELL, JACK	98		6373 TUCKAHOE RD	6373 TUCKAHOE RD	WILLIAMSON, N.Y. 14589	(315) 483-2331	(315) 589-8058		
CARLSON, ANDREW	98S		104 FOUNDERS	104 FOUNDERS	ITHACA, NY 14853	(607) 253-2595		ajc24@cornell.edu	2/2/98 \$
CARLSON, DOUGLAS M	98	Y	NYS DEC	317 WASHINGTON ST	WATERTOWN, NY 13601	(315) 688-2805	315-785-2262	dncarlso@gw.dec.state.ny.	x
CHEUNG, PAUL J.	98	Y	NEW YORK AQUARIUM	W 8TH ST. CONEY ISLAND	BROOKLYN, NY 11224				3/31/98
CHIOTTI, TOM	97		83 MORRIS ROAD	83 MORRIS ROAD	FRERVILLE, NY 13068	607-838-3733	607-753-3095		
CHIPMAN, BRIAN	97		111 WEST ST	111 WEST ST	ESSEX JUNCTION, VT 05452	(802) 899-4276	(802) 878-1564		
CHISHOLM, DAVE	97		5100 HIGHBRIDGE #26E	5100 HIGHBRIDGE #26E	FAYETTEVILLE, NY 13066	(315) 637-5465	(315) 445-4724		
CHYTALO, KAREN	97		14 BUCKINGHAM MEADOW RD	14 BUCKINGHAM MEADOW RD	E. SETAUKET, NY 11733	(516) 751-3723	(516) 444-0468		
CLANCY, MICHAEL R.	98	NEW	125 S. Ohioville Rd. #63	125 S. Ohioville Rd. #63	New Paltz, NY 12561		914-256-3171		8/5/98
CLOCK, JEFFREY A.	98	Y	284 SOUTH AVE	284 SOUTH AVE	POUGHKEEPSIE, NY 12601	914-486-5534			x
COLSANTO, RICHARD	98	Y	66 CORT 23	66 CORT 23	CONSTANTIA, NY 13044	315-623-9475	315-623-7311		3/31/98
COLQUHOUN, JAMES	98	Y	56 PAXWOOD ROAD	56 PAXWOOD ROAD	DELMAR, NY 12054	518-439-1231	518-457-6178		x
CONNELLY, STEPHEN	98		4355 LAKE SHORE DRIVE	4355 LAKE SHORE DRIVE	CANANDAIGUA, NY 14424	(716) 229-1263	(716) 394-3500/259		
CONOVER, DAVID O.	98	Y	MAR SCI RES CTR	MAR SCI RES CTR	STONY BROOK, NY 11794				x
COOPER, JOHN E.	98	Y	1444 Co Rt 23	1444 Co Rt 23	CONSTANTIA, NY 13044				x
CORNELIUS, FLOYD	98		11945 HANFORD RD	11945 HANFORD RD	SILVER CREEK, NY 14136	716-934-4025	716-366-0228		5/3/98
CORNETT, SCOTT	98		NYSDEC	128 SOUTH ST	OLEAN, NY 14760	(716) 372-9003	(716) 372-0645		

HOHREITER, DAVID W.	98	Y	BLASLAND & BOUCK ENG.	6723 TOWPATH RD BOX 66	SYRACUSE, NY 13214				x
HOLLEY, KEITH A.	98	Y	43 Gann Rd.	43 Gann Rd.	East Hampton, NY 11937	(516) 735-5622	(516) 440-0280		3/31/98
HOLMES, EDWARD D.	98	Y	7000 CLEARY RD.	7000 CLEARY RD.	HEMLOCK, NY 14466				x
HOMA Jr., JOHN	98	Y	ICHTHYOLOGICAL ASSOC. INC.	50 LUDLOWVILLE RD	LANSING, NY 14882	(607) 272-3778	(607) 533-8801	ialansing@aol.com	
HOOPER, JACOB	98S		203 HIGHLAND AVE	203 HIGHLAND AVE	ITHACA, NY 14850	(607) 257-4474		jth7@cornell.edu	
HOUSTON, LEONARD	98	Y	238 79TH ST.	238 79TH ST.	BROOKLYN, NY 11209				x
HUGHES, THOMAS C.	98	Y	PO BOX 475	PO BOX 475	OLD FORGE, NY 13420	(315) 369-2130	(315) 369-6781	tch2@cornell.edu	x
HULBERT, PHILIP	98		R.D. 1, BOX 622	R.D. 1, BOX 622	E MEREDITH, NY 13757	(607) 278-5490	(518) 457-6937	pxhulber@gw.dec.state.ny.	
HURST, STEPHEN S.	98		2143 Berne Altamont Road	Altamont, NY 12009					10/28/98
HURST, THOMAS P.	97S	Y	MAR SCI RES CTR	SUNY AT STONY BROOK	STONY BROOK, NY 11794				
HYATT, WILLIAM A	98	Y	42 KENNETH DR	42 KENNETH DR	GLASTONBURY, CT 06033				x
JANOWSKY, WILLIAM	98	Y	1357 Whitehaven Rd	1357 Whitehaven Rd	Grand Island, NY 14072	(716) 773-9321	(716) 879-4394	william.a.janowsky@usace.	3/31/98
JIRKA, KURT	98	Y	50 LUDLOWVILLE RD.	50 LUDLOWVILLE RD.	LANSING, NY 14882	(607) 539-6635	(607) 533-8801		10/7/98N
JOHNSON, JAMES-EMILY	98	Y	1781 RUSSELLS LANDING	1781 RUSSELLS LANDING	SKANEATELES, NY 1311152				xx
JOLLIFF, THOMAS M	98	Y	BEDFORD CORNERS RD	BEDFORD CORNERS RD	CAPE VINCENT, NY 13618				xx
JOSEPHSON, DANIEL C.	98	Y	CROSBY BLVD BOX 745	CROSBY BLVD BOX 745	OLD FORGE, NY 13420		(315) 369-6781	dcj3@cornell.edu	x
KAHNLE, ANDREW W.	98	Y	61 YANKEE POLLY RD	61 YANKEE POLLY RD	NEW PALTZ, NY 12561				3/31/98
KARAGOVIAN, MICHAEL	97S		SUNY-ESF	1 FORESTRY DR	SYRACUSE, NY 13210	(315) 425-7530	(315) 470-6949		
KEELER, SHAUN	97		NYSDEC	50 WOLF RD ROOM 560C	ALBANY, NY 12233-4756		(518) 457-5691		
KELLER, WALTER T	98	Y	6 LAKE ST	6 LAKE ST	STAMPORD, NY 12167				
KELLY, STEWART	97S	Y	449 N COUNTRY RD	449 N COUNTRY RD	SOUND BEACH, NY 11789				
KENNEN, JONATHAN	97		810 BEAR TAVERN RD, SUITE	810 BEAR TAVERN RD, SUITE	WEST TRENTON, NY 08628	(609) 897-7807	(609) 771-2948		
KETOLA, H. GEORGE	98	Y	TUNISON LAB	3075 GRACIE RD	CORTLAND, NY 13045				x
KIELBASINSKI, TOM	97		3494 WYSS RD	3494 WYSS RD	CAZENOVIA, NY 13035	(315) 655-5750	(315) 653-5750		
KING, LARRY A.	98		5820 PRENDERGAST BLVD.	5820 PRENDERGAST BLVD.	MAYVILLE, NY 14757	(716) 789-3234	(716) 789-2705		2/17/98
KING, LARRY R	98	Y	18 Sharon St	18 Sharon St	Sidney, NY 13838				3/31/98
KING, LAURENCE R.	98	Y	18 SHARON STREET	18 SHARON STREET	SIDNEY, NY 13838				
KIRK, WILLIAM L.	97	Y	RM 306-5 4 IRVING PL.	RM 306-5 4 IRVING PL.	NEW YORK, NY 10003				
KLOCK, WALTER	98	Y	9405 Chestnut Ridge Rd.	9405 Chestnut Ridge Rd.	Middleport, NY 14105				3/31/98
KLOSE, PETER A	98S	Y	GR LAKE CTR BUFFALO STATE	GR LAKE CTR BUFFALO STATE	BUFFALO, NY 14222	(315) 256-7280	(315) 633-9243	rak11@cornell.edu	x
KLUMB, ROBERT A	98S		121 E. FALLS ST, #2	121 E. FALLS ST, #2	ITHACA, NY 14850	(607) 539-6635	(607) 255-2822		3/31/98
KNUTH, BARBARA	98	Y	122A FERNOW HALL	CORNELL UNIVERSITY	ITHACA, NY 14853	(508) 477-5617	(508) 548-5123		
KOCIK, JOHN F.	97		NOAA/NMFS/NBFSC	166 WATER ST.	WOODS HOLE, MA 02543				
KOSCHNICK, TAYLER JA	97	Y	11550 N MERIDIAN ST	STE 180	CARMEL, IN 46032				
KOTILA, PAUL M	98		NATURAL SCIENCE DIVISION	Natural Science Division	Rindge N. Hampshire 03461	(603) 585-6508	(603) 899-4303		1/30/98
KRUEGER, CHARLES C	98	Y	206 D, FERNOW HALL	CORNELL UNIVERSITY	ITHACA, NY 14853	(607) 347-4863	(607) 255-2838	cck4@cornell.edu	xx
KURTENBACH, JIM	97		2890 WOODBRIDGE AVE	2890 WOODBRIDGE AVE	EDISON, NJ 08837	(908) 453-4866	(908) 321-6695		
KURTZ, ROBERT J	98	Y	27 SMITH STREET	27 SMITH STREET	VALLEY STREAM, NY 11580	(516) 561-6429	(201) 656-4749		x
LA PAN, STEVEN	98	Y	NYSDEC	DULLES ST OFF 317 WASH	STWATERTOWN, NY 13601		(315) 785-2262		3/31/98
LAKE, TOM R.	98	Y	3 STEINHAUS LANE	3 STEINHAUS LANE	WAPPINGERS FALLS NY 12590		(914) 296-5875		x
LANDEAU, LAURIE J	98	Y	367 ASHAROKEN AVE	367 ASHAROKEN AVE	NORTHPORT, NY 11768				x
LANGE, ROBERT	98	Y	34 GRETTEL TERRACE	34 GRETTEL TERRACE	BALLSTON LAKE, NY 12019	(518) 877-6608	(518) 457-6937		3/31/98
LANTRY, BRIAN	98	Y	PO BOX 814	PO BOX 814	CAPE VINCENT, N.Y. 13618	(315) 6544732	(315) 654-2147	blantry@imcnet.net	3/31/98
LAUER, GERALD J.	97	Y	THE MAPLE BLDG	3 WASHINGTON CTR	NEWBURGH, NY 12550				
LEMON, DAVID K.	98	Y	11 BANKS ST	11 BANKS ST	CORTLAND, NY 13045	(607) 756-8430	(607) 753-3095	dklemon@gw.dec.state.ny.u	
LEVINE, NEIL	97	Y	535 5th Ave, RM 805	535 5th Ave, RM 805	NEW YORK, NY 10017-3610		(212) 216-8813		
LIPPOLD, MAURA	98S	Y		125 HEATH ST.	BUFFALO, NY 14214				x
LOWIE, CHRISTOPHER	98		USFWS	405 N. FRENCH RD	AMHERST, NY 14228	(716) 438-0196	(716) 691-5456		
LYNCH, THOMAS	97		ENVIRON SCI, MARIST COLL	MARIST COLLEGE	POUGHKEEPSIE, NY 12601		(914) 575-3000		
LYNK, KENNETH	97	Y	2518 ORANGE ST	2518 ORANGE ST	BELLMORE, NY 11710				
MACK, ALAN	98		16 NORTH STREET	16 NORTH STREET	CALEDONIA NY 14423 -1033	(716) 538-2575	(716) 538-6300	alanmack@juno.com	
MAJCHRZAK, JENNIFER	97S	Y	6710 KINNE AVE	6710 KINNE AVE	DEWITT, NY 13214				
MALCHOFF, MARK	98	Y	NY SEA GRANT - CORNELL	39 SOUND AVENUE	RIVERHEAD NY 11901	(516) 369-1935	(516) 727-3910		3/31/98
MANOR, PHILIP C	98	Y	JOHN WILEY & SONS	605 THIRD AVE	NEW YORK, NY 10158-0012				x
MARSDEN, J. ELLEN	98	Y	SCH OF NAT RES	UNIVERSITY OF VERMONT	BURLINGTON, VT 05405				x
MARTIN, MICHAEL R	98	Y	ADIRONDACK AQUATIC INST	PO BOX 244	PAUL SMITHS, NY 12970				x

MATTHEWS, BRUCE	97	Y	121 FERNOW HALL, DNR	CORNELL UNIVERSITY	ITHACA, NY 14853	(607) 589-7887	(607) 255-8370		
MAYACK, DAVID	97		58 WINEBERRY LANE	58 WINEBERRY LANE	BALLSTON SPA, NY 12020	(518) 899-6410	(518) 773-7318		
MAYER, CHRISTINE M	98	Y	CORNELL BIO FIELD STATION	900 SHACKLETON PT RD	BRIDGEPORT, NY 13030		(315) 633-9243		x
MC BRIDE, NORMAN D	98	Y	HC 1 ROUTE BOX 16	HC 1 ROUTE BOX 16	STAMFORD, NY 12167				xx
MC CARTHY, CHARLES	97		SUFFOLK CO COMM COLLEGE	2 SPEONK-RIVERHEAD RD	RIVERHEAD, NY 11901	(516) 298-5859	(516) 548-2625		
MC COSH, MORGAN L	98	Y	USFWS -MA	USFWS -MA	ARLINGTON, VA 22203				x
MC DONALD, RICHARD P	98	Y	886 CALDWELL HILL RD	886 CALDWELL HILL RD	LISLE, NY 13797	(607) 849-3952	(607) 762-6033	rpncdona@aol.com	x
MC KEOWN, PAUL E	98	Y	128 South St	128 South St	Olean, NY 14760	(716) 372-0312	(716) 372-0645	penckeow@gw.dec.state.ny.	3/31/98
MC KOWN, KIM ANN	98	Y	16 BIRCHWOOD AVE	16 BIRCHWOOD AVE	E. SETAUKET, NY 11733				x
MC LAREN, JAMES B.	98	Y	140 ROTTECH DR	140 ROTTECH DR	LANCASTER, NY 14086-9706	(716) 631-9975	(716) 542-5544		3/31/98
METZGER, SUSAN G	98	Y	ONE BLUE HILL PLAZA	ONE BLUE HILL PLAZA	PEARL RIVER, NY 10965				x
MIKOL, GERALD	98	Y	NY DEC	NY DEC	Buffalo, NY 14203				3/31/98
MILLER, JAMIE T	97	Y	RD 3 BOX 126	RD 3 BOX 126	WALTON, NY 13856				
MILLER, LAWRENCE	98	Y	738 CAMPBELL BLVD	738 CAMPBELL BLVD	AMHERST, MA NY 14228		(716) 838-4164		3/31/98
MILLER, MARK D.	98		550 DELAWARE AVE #1	550 DELAWARE AVE #1	DELMAR, NY 12054	(518) 439-2661	(518) 783-9073		
MILLER, STEVERN J	98	Y	838 Norton St	838 Norton St	Rochester, NY 14621				3/31/98
MILLS, EDWARD	98	Y	CORNELL FIELD STATION	900 SHACKLETON PT. RD.	BRIDGEPORT, NY 13030	(315) 655-8569	(315) 633-9243	elm5@cornell.edu	x
MOORADIAN, STEPHEN	98	Y	128 SOUTH ST.	128 SOUTH ST.	OLEAN, NY 14760	(716) 373-2494	(716) 372-0645		3/31/98
MOORE, PAUL	97		15 HUBBARD ST.	15 HUBBARD ST.	CORTLAND, NY 13045	(607) 756-1811	(607) 753-3095		
MOREHOUSE, DAVID	97		MOOREHOUSE BAIT FARMS	3435 SEYBOLT RD	SENeca FALLS, NY 13148		(315) 568-8520		
MUCCIO, NEIL	98		3129 MORGAN DRIVE	3129 MORGAN DRIVE	WANTAGH, NY 11793	(516) 221-8793			8/10/98
MUIESSIG, PAUL H.	98	Y	EA ENG & TECH	3 WASHINGTON CTR	NEWBURGH, NY 12550		(914) 565-8100		x
MURPHY, MARGARET	98	Y	5000 BRITTONFIELD PKWY	5000 BRITTONFIELD PKWY	SYRACUSE, NY 13221	(315) 446-2438	(315) 437-6100		3/31/98
NASHETT, LARRY	98	Y	HCR #2 BOX 532	HCR #2 BOX 532	TUPPER LAKE, NY 12986				3/31/98
NEMTH, MATT	98S	Y	DEPT OF NATL RESOURCES	DEPT OF NATL RESOURCES	ITHACA, NY 14853				x
NETH, PAUL C	98	Y	160 JUNIPER DR	160 JUNIPER DR	BALLSTON SPA, NY 12020				x
NETTLES, DAVID C.	98	Y	21 VIEW ST	21 VIEW ST	SARANAC LAKE, NY 12983				3/31/98
NEUDERPER, GARY N	97	Y	45 NORMAN RD	45 NORMAN RD	ROCHESTER, NY 14623				
O'CONNOR, JOEL S.	97	Y	USEPA REGION 2 WATER MGT	290 BROADWAY # 1539	NEW YORK, NY 10007-1823		(212) 264-5356		
O'CONNOR, JOHN R.	98	Y		13 Stebbins St.,; Apt. A	Saint Albans, VT 05478	(802) 524-6683			
O'GORMAN, ROBERT	98	Y	USGS BIOL RESOURCES DIV	17 Thistle Dr.	OSWEGO, NY 13126	(315) 343-2351	(315) 343-3951		1/21/98
OLSEN, MARK H.	98	Y	CORNELL BIO PLD ST	900 SHACKLETON PT RD	BRIDGEPORT, NY 13030	(315) 684-3084	(315) 633-9243	mho2@cornell.edu	x
ORVIS, CURTIS J	96/97/98		45 CHAPEL ROAD	AMHERST, MA 01002-3005		413-253-0590	413-253-8288		11/15/98
OSTERBERG, DONALD M	98	Y	458-3 OLD PARISHVILLE RD	458-3 OLD PARISHVILLE RD	POTSDAM, NY 13676	(315) 265-8971	(315) 267-2261		x
OWENS, RANDELL	98	Y	USGS Lake ontarior Biol	SUSGS Lake ontarior Biol	SOSwego, NY 13126	(315) 343-1401	(315) 343-3951		x
PADILLA, MIGUEL	97		15 MARBLE HILL AVE	15 MARBLE HILL AVE	BRONX, NY 10463	(718) 562-5394	(804) 628 4192		
PANE, JOSEPH J	98	Y	2265 WESTCHESTER AVE	2265 WESTCHESTER AVE	NEW YORK, NY 10462				x
PAUL, ERIC A.	98		NYS DEC	8314 FISH HATCHERY ROAD	ROME, NY 13440	(315) 333-2708	(315) 337-0910	ericapaul@juno.com	
PEARCE, WILLIAM	D.HON		BOX 541	BOX 541	CAPE VINCENT, NY 13618	(315) 654-2833	(315) 654-2147		
PEARSALL, WEBSTER	97		70 ELM ST	70 ELM ST	GARDINER, ME 04345	(207) 582-6622	(207) 287-3901		
PETERSON, ALLEN	97		130 GENESIS COURT	130 GENESIS COURT	OWEGO, NY 13827		(607) 762-7393		
PETERSON, CLIFFORD	98		1 CONCORDIA PLACE	1 CONCORDIA PLACE	BRONXVILLE, NY 10708	(914) 779-5392	(914) 337-9300 ext 2225		2/18/98
PETERSON, DOUGLAS L	98	Y	Cornell University	Cornell University	Ithaca, NY 14853				3/31/98
PFEIFFER, MARTIN H.	98	Y	BOX 141	BOX 141	BLOOMINGDALE, NY 12913	(518) 891-4468			12/24/98
PIERCE, RONALD J.	98	Y	3449 COOPER ST	3449 COOPER ST	STONE RIDGE, NY 12484		(914) 256-3068		x
POMEROY, JAMES	97		R.D. 1, BOX 111	R.D. 1, BOX 111	HOUGHTON, NY 14744	(716) 437-5346	(716) 372-0645		
POTHOVEN, STEVEN A.	97	Y	36 CHAPEL RD	APT 9	KENMOE, NY 14217				
PREDDICE, TIMOTHY	97		186 STEELE AVE EXT	186 STEELE AVE EXT	GLOVERSVILLE, NY 12078	518-725-7206	518-773-7318		
PRINDLE, SCOTT E.	98	Y	P.O. Box 191	S-952 Four Rod Road	Alden, NY 14004		315-470-6924		x
RACHLIN, JOSEPH W	98	Y	DEPT BIO SCI, LEHMAN COLL	250 BEDFORD PARK BLVD W	BRONX, NY 10468	201-791-5165	212-960-8239		x
RADLE, EDWARD	98		721 PLANK ROAD	721 PLANK ROAD	CLIFTON PARK, NY 12065	(518) 371-7519	(518) 457-0757		
RADZYMINSKI, STEVE	98		29 GARDEN AVE	29 GARDEN AVE	ALBANY, NY 12203	(518) 459-0910	(518) 486-4292		
RATHJE, CARL	97		223 RAINBOW SHORES RD	223 RAINBOW SHORES RD	PULASKI, NY 13142	(315) 298-458	(315) 623-7311		
RICHARDSON ALICE	98			18975 Minkler Rd	Adams Center, NY 13606		(315) 298-5051		5/5/98
RINGLER, NEIL	97		19 GETTMAN ROAD	19 GETTMAN ROAD	BALDWINVILLE, NY 13027	(315) 638-8128	(315) 470-6770	nmringle@mailbox.syr.edu	
ROBINS, JEFFREY	98		8A Harrison St.	P.O. Box 573	Cortland, NY 13045	(607) 756-8137	(607) 753-3095		12/4/98

ROSEMAN, EDWARD F.	97S		13 NATURAL RESOURCES BLDG	MICHIGAN STATE UNIVERSITY	E. LANSING, MI 48824	(517) 355-6037	(517) 353-6697					
ROTH, ROBERT N.	98	Y	10600 OLEAN RD	10600 OLEAN RD	CHAPPEE, NY 14030							x
ROUGH, GAYLORD	D.HON	Y	88 S MAIN STREET	88 S MAIN STREET	ALPRED, NY 14802	607-587-9161	(607) 871-2205					3/31/98
ROURKE, THOMAS E.	98	Y	4308 OLD MEADOW RD	4308 OLD MEADOW RD	CLAY NY 13041		(315) 343-7081					9/2/98 1
RUBY, RICHARD	98S	Y	3053 1/2 HENNEBERRY RD	3053 1/2 HENNEBERRY RD	JAMESVILLE, NY 13078							x
RUDSTAM, LARS	98	Y	CORNELL BIO FIELD STA	900 SHACKLETON PT. RD.	BRIDGEPORT, NY 13030	(315) 633-2854	(315) 633-9243		lgr1@cornell.edu			x
SAFINA, CARL	98	Y	306 SOUTH BAY AVE	306 SOUTH BAY AVE	ISLIP, NY 11751							3/31/98
SAKSEN, WILLIAM D.	98	Y	ORANGE AND ROCKLAND UTIL.	ONE BLUE HILL PLAZA 4TH	PEARL RIVER, NY 10965							10/7/98
SARBELLO, WILLIAM	98 & 99		933 EAST PINE HILL DRIVE	933 EAST PINE HILL DRIVE	SCHENECTADY, NY 12303	(518) 356-4257	(518) 457-0755					x
SAWYKO, PAUL W	98	Y	ROCHESTER GAS & ELECTRIC	89 EAST AVE	ROCHESTER, NY 14649							3/31/98
SCHACHTE, JOHN	98	Y	706 FLOYD AVE	706 FLOYD AVE	ROME, NY 13440							x
SCHARA, WILLIAM	97	Y	1651 NY RTE 11, APT 1	1651 NY RTE 11, APT 1	CASTLE CREEK, NY 13744	(607) 692-2918	(315) 653-7727					x
SCHIAVONE, ALBERT	97		NYS DEC REGION 6	317 WASHINGTON, ST	WATERTOWN, NY 13601		(315) 785-2266					x
SCHLUETER, SCOTT L	98S	Y	11884 JORDAN RD	11884 JORDAN RD	JORDAN, NY 13080							x
SCHMIDT, ROBERT	98		PO BOX 301	HILLSDALE, NY 12529-0301		(518) 325-7265	(413) 528-0771					x
SCHNEIDER, CLIFF	98		5412 E. BROADWAY	5412 E. BROADWAY	CAPE VINCENT, NY 13618	(315) 654-2695	(315) 654-2147		decfish@imcnet.net			x
SCHOCH, WILLIAM F	98	Y	PO BOX 248	PO BOX 248	RAY BROOK, NY 12977	(518) 327-3315	(518) 891-1370					xx
SHEPPARD, DOUGLAS	98	Y	3 BIRCHWOOD DR.	3 BIRCHWOOD DR.	CLIFTON PARK, NY 12065							x
SHORT, RUSSEL	98	Y	ECOLOGY & ENVIRONMENT INC	368 PLEASANT VIEW DR	LANCASTER, NY 14086		(716) 684-8060					x
SHUPE, SCOTT	98		300 ERIE BLVD W	300 ERIE BLVD W	SYRACUSE, NY 13210	(315) 622-0762	(315) 428-6616		shupes@nimo.com			x
SHUPP, BRUCE	D.HON	Y	562 ROARK TRACE	562 ROARK TRACE	MONTGOMERY, ALA 36116							x
SICLUNA, JOSEPH D.	97		NYS DoS	DIV of COASTAL RESOURCES	ALBANY, NY 12231-0001		(518) 473-2476					x
SIMONIN, HOWARD	98	Y	NYS DEC	8314 FISH HATCHERY ROAD	ROME, NY 13440	(315) 865-6680	(315) 337-0910		ronefs@borg.com			3/31/98
SINNOTT, TIMOTHY	97	Y	62 VICHY DRIVE	62 VICHY DRIVE	SARATOGA SPRINGS NY 12866	(518) 583-0503	(518) 457-0758		txsinnot@dec.state.ny.us			9/9/98
SKINNER, KATHLEEN	98		BIOLOGY DEPT.	RUSSELL SAGE COLLEGE	TROY, NY 12180	(518) 283-7661	(518) 270-2280					x
SKINNER, LAWRENCE C	98	Y	40 EDWARDS RD.	40 EDWARDS RD.	WYNANTSKILL, NY. 12198	(518) 283-7661	(518) 457-1769					1/16/98
SMITH, C LAVETT	98	Y	6827 ROSEWOOD DRIVE	6827 ROSEWOOD DRIVE	COLORADO SPNGS, CO 80918	(719) 266-4895						x
SMITH, FRANK	98		4355 LAKE SHORE DRIVE	4355 LAKE SHORE DRIVE	CANANDAIGUA, NY 14424	(716) 394-3064	(716) 394-3500/253					x
SMITH, NATHAN G	98S	Y	DEPT OF NATL RESOURCES	CORNELL UNIVERSITY	ITHACA, NY 14853							x
SNYDER, RANDAL J.	98	Y	BIOLOGY DEPT.	1300 ELMWOOD AVE	BUFFALO, NY 14222	(716) 691-4934	(716) 878-4314					x
SNYDER, WILLIAM S	98	Y	MARSHALL HALL	SUNY AT MORRISVILLE	MORRISVILLE, NY 13408							x
SOHACKI, LEONARD	98		132 SALERNO RD	132 SALERNO RD	COOPERSTOWN, NY 13326	(607) 547-9254	(607) 436-3063					1/7/98
SOULE, NORMAN	98	Y	P.O. BOX 535	P.O. BOX 535	COLD SPRG. HARB, NY 11724	(516) 692-8731	(516) 692-6768		nsoule@cshfha@juno.com			3/31/98
SOWINSKI, MICHAEL P	98	Y	115 GRIFFITH STREET	115 GRIFFITH STREET	SLOAN, NY 14212							x
SPADA, MICHAEL	98S		377 W ONONDAGA ST #308	377 W ONONDAGA ST #308	SYRACUSE, NY 13210	(315) 428-1477	(315) 470-6949		mespada@mailbox.syr.edu			2/2/98 \$
STAFFORD-GLASE, MADELYN	98		50 LUDLOWVILLE RD	50 LUDLOWVILLE RD	LANSING, NY 14882	(607) 564-7692	(607) 533-8801		IALansing@AOL.COM			2/2/98 \$
STANG, DOUGLAS L	98	Y	1156 MEADOWDALE RD	1156 MEADOWDALE RD	ALTAMONT, NY 12009-9534	(518) 861-5021	(518) 457-9435		dxstang@gw.dec.state.ny.u			xx
STEWART, DONALD J.	98	Y	SUNY-CESF	103 Illick Hall	Syracuse, NY 13210							3/31/98
STOLL, MICHAEL P.	98	Y	P.O. BOX 401	P.O. BOX 401	CORTLAND, NY 13045	(607) 753-9339						x
STRAKOSH, TIMOTHY R.	98	Y	2 HOWARD AVE	2 HOWARD AVE	EAST BLOOMFIELD, NY 14469							3/31/98
STRAUSE, KARL D	97	Y	220 MEADOWBROOK DR	220 MEADOWBROOK DR	SYRACUSE, NY 13210							x
TERRA, MARIA E.	98S	Y	GR LAKES CTR, BUFFALO STA	1300 ELMWOOD AV BLDG C215	BUFFALO, NY 14222		(716) 878-4329					x
THIESLING, MARY ANNE	98	Y	727 FOREST GLEN RD	727 FOREST GLEN RD	MONROE, NY 10950	(914) 783-1797	(212) 264-8793					x
THOMPSON, PATRICIA	98S	Y	213 Greenwood Place	213 Greenwood Place	Syracuse, NY 13210							3/31/98
TONER, JASON	98		136 SEVEN MILE DR, LOT	23136 SEVEN MILE DR, LOT 231	ITHACA, NY 14850	(607) 272-8255	(607) 257-2064		jat20@cornell.edu			x
TORT, MARIA J.	98S		P.O. Box 6897	P.O. Box 6897	Ithaca, NY 14851		(607) 253-3410		mjt16@cornell.edu			3/31/98
TROTTA, LAURIE	97S	Y	HC 1 BOX 143A	HC 1 BOX 143A	CENTRAL BRIDGE, NY 12035							x
TURNBULL, ROSS D	98	Y	21 HERITAGE H1	21 HERITAGE H1	DEDHAM, MA 02026							x
TUTTLE, L RAYMOND	98		152 STERRY DRIVE	152 STERRY DRIVE	GREENE, NY 13778	(607) 656-8702	(607) 656-8024					1/5/98
TYLER JACK KOSCHNICK	97	Y	11550 N MERIDAIN ST	STE 180	CARMEL, IN 46032							x
VAAAS, CARL RANDY	98	Y	22806 FRALICK RD	22806 FRALICK RD	WATERTOWN, NY 13601	(315) 788-7225	(315) 785-2246		nav4pap@aol.com			x
VAN DUSEN, PETER J	98	Y	5542 US RTE 11	5542 US RTE 11	HOMER, NY 13077	(607) 844-3630	(607) 257-2064		pjv2@cornell.edu			x
VANDEVALK, ANTHONY J	98	Y	900 SHACKELTON POINT	900 SHACKELTON POINT	BRIDGEPORT, NY 13030	(315) 458-4592	(315) 633-9243					x
VARADARAJ, K.	97	Y	DEPT OF PHYSICS & BIOPHYSS	SUNY AT STONEYBROOK	STONEYBROOK, NY 11794							x
WALDMAN, JOHN	98	Y	THE HUDSON RIVER FOUND.	40 W 20TH ST 9TH FLOOR	NEW YORK, NY 10011							x
WARKENTINE, BARBARA E	98	Y	SUNY MARITIME COLL	6 PENNYFIELD AVE PT.	SCHUBRONX, NY 10461	(212) 892-7983	(212) 960-8239					x

WARNER, DAVID	97S	Y	65 PAIR ST	65 PAIR ST	COOPERSTOWN, NY 13326	(607) 547-9507	(607) 547-8778		
WEDGE, LESLIE	97	Y	R.D. 1 BOX 543	R.D. 1 BOX 543	HOMER, NY 13077	(607) 749-3292	(607) 753-3095		
WEIDEL, BRIAN	98		CORNELL BIO FIELD STA	900 SHACKELTON PT RD	BRIDGEPORT, NY 13030	(315) 633-5388	(315) 633-9243	bcw3@cornell.edu	
WELLS, ALAN W.	98	Y	LAWLER, MATUSKY, & SKELLY	ONE BLUE HILL PLAZA	PEARL RIVER, NY 10965				xx
WERNER, ROBERT G.	98		2130 LAKEVIEW LANE	2130 LAKEVIEW LANE	SKANEATELES, NY 13152	(315) 685-4750	(315) 470-6804	rgwerner@mailbox.syr.edu	
WIDMER, CARL C	98		6772 ITALY VALLEY ROAD	6772 ITALY VALLEY ROAD	NAPLES, NY 14512	(716) 374-5048			1/6/98
WILKINSON, MICHAEL A	98	Y	44 PAUL DRIVE	44 PAUL DRIVE	AMHERST, NY 14228		716-847-4550	mawilkin@gw.dec.state.ny	x
WILKINS, BRUCE	97	Y	FERNOW HALL	CORNELL UNIVERSITY	ITHACA, NY 14853				
WILLIAMS, KIMBERLY	98S	Y	PO BOX 518	PO BOX 518	STONY BROOK, NY 11790				3/31/98
WOLTMANN, EDWARD	98	Y	57 HIGHLAND DOWN	57 HIGHLAND DOWN	SHOREHAM, NY 11786	516-821-4677	516-751-5415		10/7/98N
WOOSTER, GREG	98		C5714 VMC	VET COLLEGE, CORNELL	ITHACA, NY 14853	(607) 277-7061	(607) 253-4028	gaw5@cornell.edu	
WROTNIAK, KATHLEEN	98		3671 State Route 13	3671 State Route 13	Pulaski, NY 13142	315-298-3073	315-298-5051		5/12/98
YOUNG, BRIAN	98	Y	53 Highview Ln	53 Highview Ln	Ridge, NY 11961				3/31/98
ZELIE, WALTER F.	98	Y	CARPENTER'S BROOK	PISH HATCH RT 321	ELBRIDGE, NY 13060				3/31/98

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ANDERSON, JON	96		FISH & WILDLIFE DEPT	111 WEST ST	ESSEX JUNCTION, VT 05452		(802) 878-1564	
BRANDT, STEPHEN	96	Y	GREAT LAKES ENV. RES.	LAB2205 COMMONWEALTH BLVD	ANN ARBOR, MI 48105			
BRISTER, JAMES E.	96	Y	2 SINGING WOOD LN	E SETAUKET, NY 11733				
CASTRO, LEONARDO R.	96S	Y						
COSPER, TERRY C.	96		83 CARLOUGH ROAD	BOHEMIA, NY 11716		516-689-1700	516-563-8899	
CYR, JACQUELINE	96S	Y	34 MADISON AVE	KINGSTON, NY 12401				
DEGON, SHERI M	96S	Y	RD 3 BOX 252	MALONE, NY 12953				
EARNEST-KOONS, KATHY	96S		DEPT OF MICROBIOL & IMMUNO	CORNELL UNIVERSITY	ITHACA, NY 14853	(607) 272-8784	(607) 253-3365	
FRANCK, W SCOTT	96	Y	RD 2, BOX 2073	HARTFORD, NY 12838				
GANDINO, CHRISTOPHER	96		7417 MUEBCH ROAD	LIVERPOOL, NEW YORK 13088		315-457-3079		
GREEN EDWARD G	96S	Y	RR1 BOX 637 LARAWAY RD	CAYUGA, NY 13034				
GRUPE, CHAD	96		8 SCHOOL ST	SARANAC LAKE, NY 12983		(518) 891-3042		
ISLAM, AKM NAZRUL	96S	Y	DEPT OF ENV MEDICINE	NYC MED LONG MEADOW RD	TUXEDO, NY 10987			
JONES, H. DOUGLAS	96	Y	1552 EDGEMERE DR	ROCHESTER, NY 14612			(716) 225-5496	
KOZLOWSKI, GREG	96		24 GAYMOR LANE	COMMACK, NY 11725		(516) 543-2587	(516) 444-0283	
LANE, GENE	96		256 BUFFALO ST	CANANDAIGUA, NY 14424		(716) 394-0516	(716) 225-2466	
LAWRENCE, W. MASON	96	Y	991 WHITE CHURCH DR.	BROOKTONDALE, NY 14817		(607) 659-7720		
LIMBURG, KARIN E.	96	Y	INST ECOSYSTEM STUDIES	CARY ARBORETUM BOX AB	MILLBROOK, NY 12545			
MICHALOWSKI, DANIEL	96		2222 ST. PAUL STREET	ROCHESTER, NY 14621		(716) 621-3467	(716) 266-6591	
MOCCIO, PAUL	96	Y	14 CHESTNUT AVE	NEW WINDSOR, NY 12553				
POST, TIM	96		50 WOLF RD ROOM 576	ALBANY, NY 12233-4756		(518) 677-2241	(518) 457-6179	
PYATSKOWIT, JOHN D	96S	Y	25893 OLD KESHENA RD	SHAWANO, WI 54166				
QUILTY, TIMOTHY	96	Y	342 HURLEY AVE	#15-94	KINGSTON, NY 12401			
RICHTER, ROBERT	96	Y	JOURNEY'S END	CROTON, NY 10520				
ROSS, ROBERT M.	96		RD 4, BOX 63	WELLBORO, PA 16901		(717) 376-5394	(717) 724-3322	
RUBY, RICHARD	98S	N	3053 1/2 HENNEBERRY RD	JAMESVILLE, NY 13078				
SCHLEYER, RICHARD	96		10 DUXBURY WAY	ROCHESTER NY 14618		(716) 385-4864		
SCHULTZ, ERIC T.	96	Y	UNIVERSITY OF CT	75 N EAGLEVILLE RD	STORRS, CT 06269 -3042			
SEELEY, GEORGE R.	96	Y	RR 3 BOX 262	DELANSON, NY 12053				
SICKLES, DYLAN T	96S	Y	308 DEEFIELD ST	GREENFIELD, MA 01301				
SILVESTRI, EDWARD	96	Y	222 MCNAUGHTON AVE	CHEBKTOWAGA, NY 14225				
SPAGNOLI, JOHN	96	Y	115 ELMHURST DRIVE	ORCHARD PARK, NY 14127				
STEIN, JOEL	96	Y	CRC PRESS/LEWIS PUBL	535 5th Ave, Rm 805	NEW YORK, NY 10017-3610			
SULTANA, QAUSER	96	Y	133-01 SANFORD AVE	FLUSHING, NY 11355				
TANGO, PETER	96S		28181 Harleigh Lane	Oxford, MD 21654-1532		(410) 479 4299		
TAORMINA, ANTHONY	96		7090 SE LILLIAN CT	STUART, FL 34997-2223		(407) 283-7424		
WIRGIN, ISAAC	96		57 OLD FORGE ROAD	TUXEDO, NY 10987		(914) 235-2964	(914) 351-2415	wirgin@charlotte.med.nyu.
ZAWACRI, CHESTER S.	96	Y	494 TERRYVILLE RD.	PT JEFFERSON STA NY 11776				
ZERRENNERE, ADAM	96S	Y	PO BOX 383	WILLSBORO, NY 12996				

renewal notes:

9/2/98 12.00 called s

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Subj: John Homa - AFS student stuff
Date: 98-04-16 14:29:51 EDT
Fr: mjn14@cornell.edu (matt nemeth)
To: IALansing@aol.com

File: AFS_email4-1-98.doc (28672 bytes)
DL Time (28800 bps): < 1 minute

John -

Thanks for responding to my phone inquiry last week. I'm looking forward to becoming active in NY AFS issues and am pretty motivated to bring this activity to the student chapter. Our Shackleton Point weekend on April 3 was a successful start - it mirrored a larger parent chapter meeting, in the sense that there was a lot of information exchanged, yet was pretty informal. I've gotten some pretty good feedback on it to date.

One of the first actions to take is simply to find out which people are even members of the NY student chapter. I'd also like to take advantage of what I see as some "field of interest" gaps in our memberships - there are a lot of undergrads in non-fisheries aquatic classes at Cornell, for example, whose future interests could certainly be bolstered by membership in AFS. Making the current student chapter valuable to its members and communicating this value to new ones is what I'd like to devote my energy to as prez.

I've included an email attachment that I sent out to our membership list immediately after the Shackleton Point weekend. It's a bit broad, but at least gives you a sense of three features that I see as important. The first step in all of this is to put together a brief (maybe 2-page) summary of the research topics discussed that weekend. I'd actually like to send this out in hard-copy form, since the general consensus is that it stands out better that way. I actually have grad student peers here at CU that delete anything from AFS because they assume it's just a job announcement.....

Printing and mailing this, however, will take a little money, which is why I was asking about how budgets work. The sooner I can learn the ropes, the more effective I can be. I also told you I'd leave you w/ my contact numbers, which are found below. I look forward to this upcoming year and would be delighted to discuss any comments, suggestions, or other thoughts you may have.

Thanks,

Matt

Matt Nemeth
Graduate Research Assistant, Fishery Science
Department of Natural Resources
Cornell University
Ithaca, NY 14853

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Dear Fellow AFS-ers:

I hope everyone enjoyed the recent Shackleton Point weekend as much as I did. It was excellent to connect with so many young fisheries scientists and to get an idea of the research that's going on in our (relatively) local area. A special thanks goes, of course, to Margaret for bringing it all together. I'm excited about being your new chapter president and will do my best to continue the momentum that Margaret has begun.

Student AFS chapters are a real boost to fisheries students in many parts of the country. With a little more effort, there's no reason that ours couldn't also be a springboard for movement up the professional ladder. If we can get a little more participation and bump up our activities a little, I think we can increase the value and visibility of our group. This is valuable for recent grads seeking seasonal positions, folks attempting to get into graduate school and, of course, for grad students embarking on professional careers. In that vein, I thus have three chief goals for the upcoming year:

1. Increase undergraduate participation in the chapter. This will require both an increased knowledge of the chapter and an increased value of what the chapter can do for its members.
2. Streamline communication between our currently active members so that we can use each other as better resources. Sometimes I feel as though I'm operating in a single-school vacuum – with all the work being done by so many people in the region, this is truly unfortunate. Many of us will also be interacting with each other as professional over the next several decades – it is not too early to start figuring out who we are and what our common interests may be.
3. Increase visibility of our chapter to the parent chapter, the universities, and various local agencies. I know that everyone is already active within our own sphere of the fisheries world; If we can simply build on this by communicating our work across a larger spectrum of the fisheries profession, the educational and professional opportunities for individual members can only increase.

I'll give you a quick, recent example of what I'm talking about. Jim Martin just left the Cornell campus after a giving a riveting guest lecture on the State of Oregon's Salmon Restoration Program. Jim is the former Chief of Fisheries for the Oregon Dept. of Fish and Wildlife who has taken a position (that was created for him, essentially) as Special Advisor to the Governor of Oregon. In plain old English, he is a BIG DOG in the fisheries and scientific profession. His presentation was simply terrific and inspiring – he's an amazingly gifted lecturer with rare enthusiasm and is wholeheartedly devoted to fish conservation. He also took time out to meet with fishery students and touched on things like the employment outlook in fisheries in the Pacific Northwest in the next decade.

I am sure that every campus has similarly unique situations come up every so often – if we had better communication as a chapter, more of us would be in a position to take advantage of golden opportunities such as this.

The first thing I would like to do is to assemble a brief review of our Shackleton Point meeting. I'm thus requesting that each of you that presented simply send me the title and a brief, one-paragraph abstract of your presentation. I'm sure that most of you already have a "canned" synopsis of this, which is exactly what I'm looking for. I'd prefer an electronic copy, but will re-type a hard copy if it will help you get it out quickly. I'd prefer them in either MS Word (any version) or WordPerfect, and can receive them at **Error! Bookmark not defined..**

Please take a second to look over these three objectives once again and send me any feedback that you have. Did I leave out something important? Are there other ways to help achieve these objectives? I'm determined to make headway on this in the next year, but need your feedback in order to do so.

So, once again, I want to thank everyone who attended the Shackleton Point meeting and encourage you to send me a brief blurb on your presentations. I think we've got a good start to an educational, valuable, and visible student chapter and think that, with a little effort, we can turn it into a resource to draw from as the future unfolds.

Sincerely,

Matt Nemeth
Graduate Research Assistant, Fisheries Science
Cornell University

Mailing address:
Dept. Of Natural Resources
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Ithaca, NY 14853

Phone: (607) 255-3191
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New York Chapter American Fisheries Society EXCOMM
1997/98

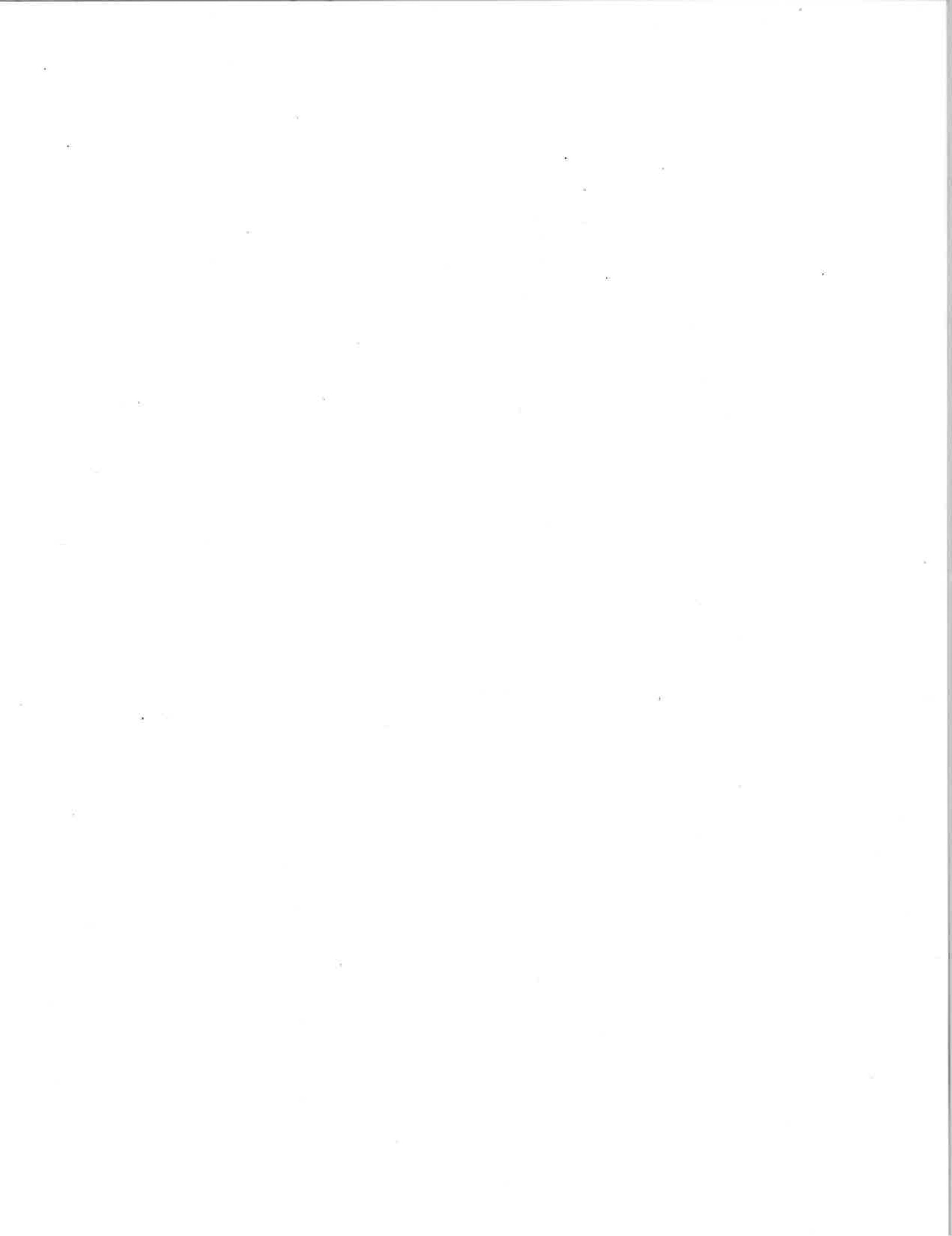
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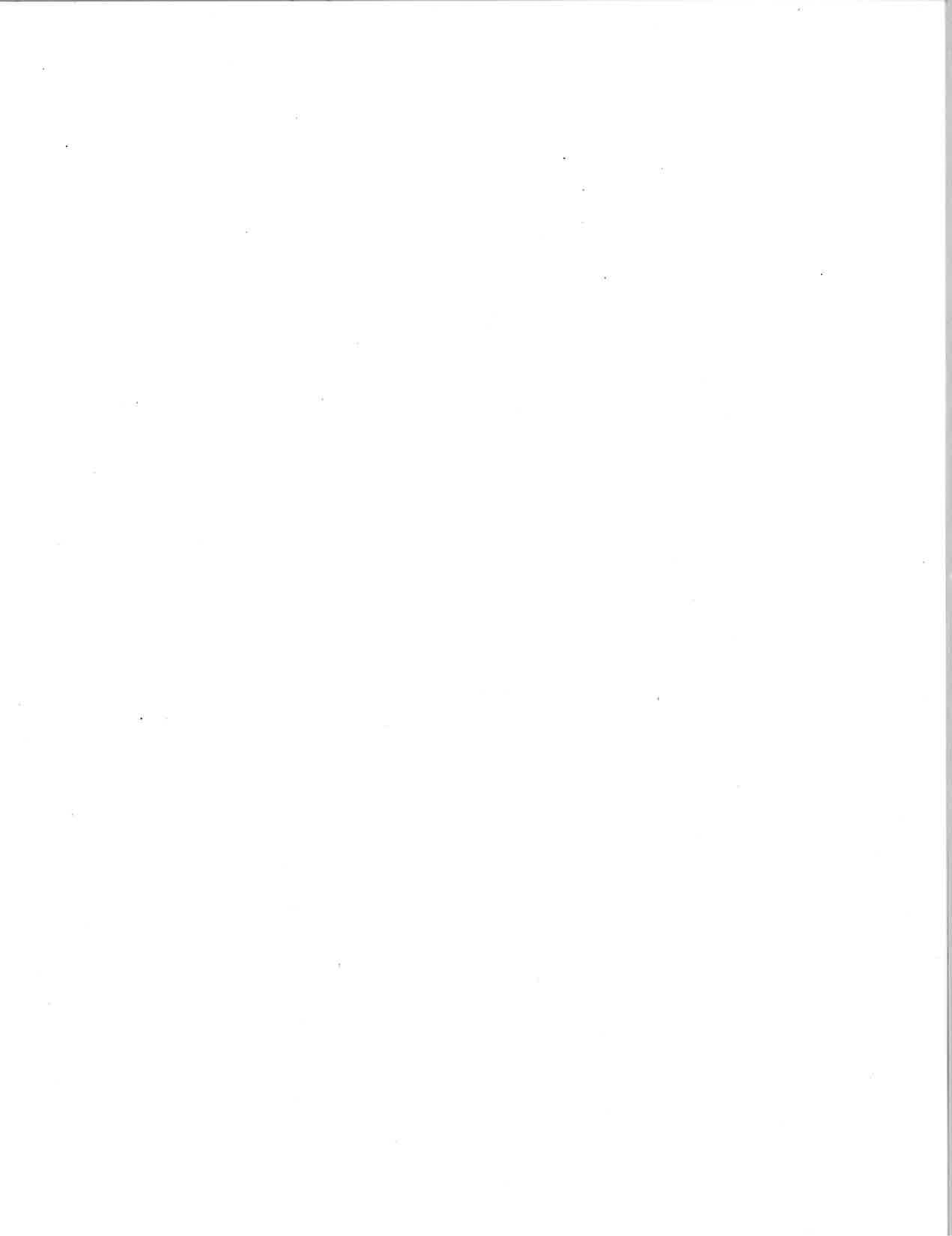
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Environmental Concerns	Howard Simonin	315 337 0910	315 337 0988	hasimoni@gw.dec.state.ny.us
Membership	Margaret Murhpy	315 437 6100	315 463 7554	
Nominating	Doug Stang	518 457 9436	518 485 5827	
Resolutions	Dave Bryson	607 753 9334	607 753 9699	dave_bryson@smtp2.ir.m.r9.fws.gov
	Don Stewart	315 470 6924	315 470 6934	djstewart@mailbox.syr.edu
	Bob Werner	315 470 6804	315 470 6779	
Program, local	Allen Peterson	607 762 4753	607 762 4005	ampeterson@nyseg.com

Ad-hoc Committees

Progam	Betty Lou Brett	716 389 2547	716 586 2452(home)	blbrett@naz.edu
Program, local	Allen Peterson	607 762 4753	607 762 4005	ampeterson@nyseg.com
Professional Incentives	Paul McKeown	716 372 0645	716 372 2113	pemckeow@gw.dec.state.ny.us
Newsletter	Tony Vandevalk	315 633 9243	315 633 2358	ajv6@cornell.edu
Workshop	Chris Lowie	716 691 5456	716 691 6154	R5FFA_LGLFRO@mail.fws.gov
	Dave Lemon	607 753 3095	607 753 8532	dklemon@gw.dec.state.ny.us
Student Affairs	Margaret Murphy	315 437 6100	315 463 7554	
	Dave Nettles	518 897 1333	518 897 1370	
Professional Diversity	Betty Lou Brett	716 389 2547	716 586 2452	blbrett@naz.edu
Youth Education	Chris Lowie	716 691 5456	716 691 6154	R5FFA_LGLFRO@mail.fws.gov
	Doug Carlson	315 785 2245	315 785 2242	dmcarlso@gw.dec.state.ny.us





annual NEFWC.

Determine if this should be a standing committee, to provide regular input to the Program Committee, which deals with the program at the current year's NEFWC.

Provide recommendations to NED ExCom at NEFWC April 11-14, 1999, Manchester NH.

Thus Doug wanted to have access to all the ideas submitted for thematic sessions for this April's NEFWC. They would be "fodder" for longer term planning.

3

Third, also at last spring's incoming ExCom meeting, those present discussed the need for a Special Committee on Financial support. I would like to ask Chapter presidents to form this committee headed by Alan McNeill. Fred Kircheis, a recent recipient of a financial travel award has already agreed to serve on such a committee. The charge for this committee follows:

Charge for the Special NED Committee on Travel Awards.

Background: Because of prudent investments, the NED treasury is very robust. During the 1997-1998 period the NED leadership received two requests from NED members (not officers) for financial support to travel to fisheries related conferences. NED officers may have received these type of requests previously, but no record of such requests or the decision process used to provide or deny the support is known to exist.

Determine whether the NED should entertain such requests for financial support for travel.

If yes, develop a process for submittal and review and criteria for acceptance/rejection (suggestions included: all other sources of funding exhausted, some demonstrated benefit to the NED through a presentation or organizing a session or symposium at a meeting).

Provide recommendations to NED ExCom at NEFWC April 11-14, 1999, Manchester NH.

4

Finally, the NED has received a request from Mark Ridgway, Ontario ministry of Natural Resources and David Philip, Dept. of Nat. Res. and Env. Sci., University of Illinois to sponsor a symposium entitled "Black Bass 2000: Ecology, Management and Conservation" at the AFS annual meeting to be held in 2000 in St. Louis. I will fax each of you the particulars and would like your input on two topics. Should the NED consider financial support of this Symposium and, potentially, at what level? Please recommend individuals who would serve on a steering committee for this symposium. Please get me feedback on this by October 30, 1998.

I look forward to an electronic discussion of these issues.

Linda

Linda E. Bireley, PhD, NED AFS President
Northeast Utilities
PO Box 270
Hartford, CT 06141-0270
860 665-5448
860 665-3777 (fax)
email: birelle@nu.com
http://www.nu.com/

CC:

OBG.SMTP("nmringle@mailbox.syr.edu","dmsmith03@mai...

FAX Cover

To:

Barbara A. Knuth FAX: 607-255-0349

Douglas L. Stang *518 485 5827*

Ron Essig FAX: 413-253-8487

Donna Parrish fax: 802-656-8683

Alan McNeill Fax: 902 486-4014

Brandon Kulik Fax: 207 487 3124

Bernie Petrosky Fax: 302 739-4997

Margaret Murphy Fax: 315-463-7554

Allen Peterson Fax: 607 762-8407

R. Scott Carney 814-355-8264

John F. Kocik fax 508-495-2393

Brian D. Murphy Fax: (860)344-2941

From:

Linda Bireley 860 665 3777

As referenced in my email

*"Items for discussion, not
covered in NED Conference Call"*

Linda

**ILLINOIS
NATURAL
HISTORY
SURVEY**

Dr. Donna L. Parrish
President, Northeastern Division
Vermont Coop F&W Res Unit
School of Nat. Res.
University of Vermont
Burlington VT 05405

August 17, 1998

Dear Donna

Dr. Mark Ridgway, Ontario Ministry of Natural Resources, and I are organizing a symposium entitled, "Black Bass 2000: Ecology, Management, and Conservation", an effort originating from the North Central Division's Centrarchid Technical Committee. This symposium will be held in conjunction with the Year 2000 Annual AFS Meeting in St. Louis, MO. Although logistical details are still being finalized with the host MO DOC steering committee, we anticipate that the symposium will be 2-3 days in duration and have a variety of types of presentations (keynote, invited talks, contributed papers, and perhaps posters). The aim of the symposium is to summarize the current body of knowledge concerning the ecology, management, and conservation of black bass, essentially serving as an update to the Black Bass Biology and Management Symposium held in Tulsa, OK 25 years ago. We anticipate that the proceedings of this symposium will be published in book form, as well.

Mark and I believe that this symposium will represent a benchmark in Black Bass Biology, and want to have its scope be as broad as possible. To accomplish that goal, we hope to encourage broad AFS participation. We are contacting you to assess if the Northeastern Division or some subunit within it wishes to be a co-sponsor of this symposium. Because fund-raising details are not yet solidified, there is no formal request at this time for any financial support. We are, however, interested in forming a symposium steering committee to help identify the most appropriate session topics and the best speakers to attract, as well as to help design the best overall structural format. We anticipate having each of the Divisions plus 8-10 Sections come on as co-sponsors, and would be interested in having each co-sponsoring subunit suggest a list of potential steering committee members. We would then contact some of these people to establish a group that would be of a workable size. If you have questions concerning the Symposium or this request, I will be at the annual AFS meeting in Hartford; please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Dave".

David P. Philipp
Director, Center for Aquatic Ecology - INHS
Professor, Dept. of Nat. Res. and Env. Sci. - U of I

Announcing ...

BLACK BASS

Micropterus species

2000

**A Special Symposium on the Ecology, Conservation
and Management of Black Bass in North America**

**For the 130th Annual Meeting
of The American Fisheries Society**

St. Louis, Missouri, August 20-24, 2000

Organizers: David Philipp, Illinois Natural History Survey
Mark Ridgway, Ontario Ministry of Natural Resources

NEW BUSINESS

Peterson

From: <amp;peterson@nyseg.com>
To: OBG.Syracuse(MurphyMH)
Date: 12 October 1998 (Monday) 13:24
Subject: Ideas for productive use of chapter reserve funds

Allen Peterson@NYSEG
10/12/98 01:24 PM

Margaret:

It looks like I will be unable to attend the Oct. 21 Excom meeting. Please report that:

1) I have received raffle donations from about six firms, but nothing recently and it looks a bit thin. Any suggestions from Excom? Do the students provide any items?

2) I have prepared a starter list of possible productive uses of Chapter reserve funds as a method of sustaining present membership levels. They include:

1. One-day special topic seminars with national speakers - free to chapter members.
2. Sponsorship of events that develop fishing e.g., youth fishing derbies in urban areas.
3. Small grants (<\$500) to NGO's for fisheries research and management in exchange for Chapter input into design and results reporting.
4. Low-interest revolving fund loans for fisheries research and management in exchange for input and results reporting. e.g., just like the Nature Conservancy.
5. Small grants (<\$250) to support member professional development. E.g., registration, travel, books, tuition.

Please have Excom attendees review this list and see if they have any additions or suggestions. I know NED is asking the same questions about their reserve funds. I would like to have Excom review a complete list of initiatives at the January Excom meeting in Saratoga and present selected recommendations to the full membership at the business meeting for approval. Please let me know if this process sounds reasonable, and if Excom is even interested in pursuing the idea of using the capital reserve for increased member value.

Thanks, Allen

Need to develop these ideas further and present to Excom
will relook at the Business Plan established several yrs ago
Up to Allen whether or not he wants to present to Business Mtg
May want to establish committee to develop Bus Plan for next 5 yrs

From: <ampeterson@nyseg.com>
To: OBG.Syracuse(MurphyMH)
Date: 14 October 1998 (Wednesday) 13:16
Subject: Re: excom meeting 10/21

Allen Peterson@NYSEG
10/14/98 01:16 PM

Margaret:

I cannot attend, I have no report for membership. Can you float my member-value options idea as a new business item?

I am looking for three pieces of advice:

1. Is the concept worth pursuing?
2. Is the process I outlined for approval by the membership ok?
3. What of the specific spending options show promise, and are there any additions?

Thanks, Allen

COPY

Subj: excom meeting 10/21 -Reply -Forwarded

Date: 98-10-23 07:32:29 EDT

From: MurphyMH@obg.com (Margaret Murphy)

To: ialansing@aol.com, lgr1@cornell.edu, mjn14@cornell.edu, dmcarlso@gw.dec.state.ny.us, hasimoni@gw.dec.state.ny.us, dick_mcdonald@mail.fws.gov, jmfarrel@mailbox.syr.edu, ampeter@nyseg.com, dave_bryson@smtp2.irm.r9.fws.gov

Attached is report from Dave Lemon on status of the statistics workshop.

Margaret

Received: from gw.dec.state.ny.us ([134.179.112.16])
by OBG.COM (GroupWise SMTP/MIME daemon 4.1 v3)
; Thu, 22 Oct 98 15:38:20 EDT

Received: from CO#u#NW-Message_Server by gw.dec.state.ny.us
with Novell_GroupWise; Thu, 22 Oct 1998 15:28:43 -0400

Message-Id: <s62f4f2b.013@gw.dec.state.ny.us>

X-Mailer: Novell GroupWise 4.1

Date: Thu, 22 Oct 1998 15:22:51 -0400

From: David Lemon <dklemon@gw.dec.state.ny.us>

To: ialansing@aol.com, lgr1@cornell.edu, mho2@cornell.edu,
mjn14@cornell.edu, dmcarlso@gw.dec.state.ny.us,
hasimoni@gw.dec.state.ny.us, txsinnot@gw.dec.state.ny.us,
dick_mcdonald@mail.fws.gov, jmfarrel@mailbox.syr.edu,
ampeter@nyseg.com, MurphyMH@obg.com,
dave_bryson@smtp2.irm.r9.fws.gov

Subject: excom meeting 10/21 -Reply

Time-Version: 1.0

Content-Type: text/plain

Content-Disposition: inline

Sorry I missed the meeting yesterday. We did some late night electrofishing on Whitney Point Reservoir for two nights running and I just couldn't drag my butt out of bed.

As far as the Workshop is concerned, I have a signed contract with the Cortland Holiday Inn and Steve Stehman is committed to doing the course (old news). As for attendance I have two people signed up as of yesterday, with verbal commitment from several others. I hope we start to get some more people signed up soon.

I will be holding on to checks unless someone feels that I ought to get them to our treasurer. Also, the Holiday Inn will be needing a check from me on or before the day of the Workshop so I'll have to make arrangements with John.

----- Headers -----

Return-Path: <MurphyMH@obg.com>

Received: from relay30.mx.aol.com (relay30.mail.aol.com [172.31.109.30]) by air17.mail.aol.com (v50.22) with SMTP; Fri, 23 Oct 1998 07:32:28 2000

Received: from obg.com ([207.10.65.2])
by relay30.mx.aol.com (8.8.8/8.8.5/AOL-4.0.0)
with SMTP id HAA12633 for <ialansing@aol.com>;
Fri, 23 Oct 1998 07:32:28 -0400 (EDT)

Received: from OBG-Message_Server by obg.com
with Novell_GroupWise; Fri, 23 Oct 1998 07:43:54 -0400

COPY

Subj: excom meeting 10/21 -Reply
Date: 98-10-22 15:28:52 EDT
From: dklemon@gw.dec.state.ny.us (David Lemon)
To: ialansing@aol.com, lgr1@cornell.edu, mho2@cornell.edu, mjn14@cornell.edu, dmcarlso@gw.dec.state.ny.us, hasimoni@gw.dec.state.ny.us, txsinnot@gw.dec.state.ny.us, dick_mcdonald@mail.fws.gov, jmfarrel@mailbox.syr.edu, ampetererson@nyseg.com, MurphyMH@obg.com, dave_bryson@smtp2.irm.r9.fws.gov

Sorry I missed the meeting yesterday. We did some late night electrofishing on Whitney Point Reservoir for two nights running and I just couldn't drag my butt out of bed.

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----- Headers -----

Return-Path: <dklemon@gw.dec.state.ny.us>
Received: from rly-zd04.mx.aol.com (rly-zd04.mail.aol.com [172.31.33.228]) by air-zd05.mail.aol.com (v50.22) with SMTP; Thu, 22 Oct 1998 15:28:50 -0400
Received: from gw.dec.state.ny.us (gwsmtplib.dec.state.ny.us [134.179.112.16]) by rly-zd04.mx.aol.com (8.8.8/8.8.5/AOL-4.0.0) with SMTP id PAA15159 for <ialansing@aol.com>; Thu, 22 Oct 1998 15:28:42 -0400 (EDT)
Received: from CO#u#NW-Message_Server by gw.dec.state.ny.us with Novell_GroupWise; Thu, 22 Oct 1998 15:28:43 -0400
Message-Id: <s62f4f2b.008@gw.dec.state.ny.us>
X-Mailer: Novell GroupWise 4.1
Date: Thu, 22 Oct 1998 15:22:51 -0400
From: David Lemon <dklemon@gw.dec.state.ny.us>
To: ialansing@aol.com, lgr1@cornell.edu, mho2@cornell.edu, mjn14@cornell.edu, dmcarlso@gw.dec.state.ny.us, hasimoni@gw.dec.state.ny.us, txsinnot@gw.dec.state.ny.us, dick_mcdonald@mail.fws.gov, jmfarrel@mailbox.syr.edu, ampetererson@nyseg.com, MurphyMH@obg.com, dave_bryson@smtp2.irm.r9.fws.gov
Subject: excom meeting 10/21 -Reply
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

Accepted with following comments
10-21-98

John Farrell

10-14-98 DRAFT FOR EXCOM REVIEW

NEW YORK CHAPTER, AMERICAN FISHERIES SOCIETY

EXCOM MEETING; SHACKLETON POINT, NY

JULY 28, 1998

Present: Margaret Murphy, Lars Rudstam, Howard Simonin, Dave Bryson, Allen Peterson, Dick McDonald, Dave Lemon, Doug Carlson, John Homa, Jr.

Meeting minutes from the New York Chapter, January 30, 1998, Annual Business Meeting were reviewed and accepted with modification.

Meeting minutes from the April 22, 1998 EXCOM Meeting were reviewed and accepted with modification.

Treasurer's Reports for the last two quarters were reviewed and accepted as presented.

Murphy reported on letters and activities since last Excom meeting:

- 1 The Parent Society reviewed it's rebate policy at the NE Division Meeting, the issue will be voted on at the National Meeting, its likely that rebates (10% Division, 3% Chapter) will be reinstated.
- 2 Intends to write letter of introduction to the New York's Coalition of Great Lakes Legislators, a group with about 30 members.
- 3 The Southern New England Chapter voiced some interest in participating in a joint annual meeting NYCAFS
- 4 Ken Beal was elected as 2nd V.P. of the parent society.
- 5 Matt Nemeth, student subchapter, room costs at the NE Meeting were funded by the NYCAFS (funds are available because Murphy's attendance is supported by O'Brien & Gere).
- 6 The Virginia Chapter is sponsoring a meeting concerning Introduced Aquatic Species on September 16 in Richmond.
- 7 The 130th Annual Meeting (theme "Reflections") of the Parent society will be held in August 2000 in St. Louis
- 8 The Transfer of Tax Receipts Bill was passed and this will extend the transfer of monies collected as recreational tax to fund natural resource projects.
- 9 A motion to fund under represented students was not supported at the NE Meeting, Murphy indicated that details of the proposed motion were too vague.

Bill n
Doug

Marion
Smith

SPRES
1
Marion
Smith
Doug

Subj: Great Lakes Reauthorization Act

Date: 98-09-14 11:27:05 EDT

m: dave_bryson@mail.fws.gov

To: murphmh@obg.com, ampeterson@NYSEG.com, hasimon@gw.dec.ny.us, ialansing@aol.com, djstewart@mailbox.syr.edu, DXSTANG@GW.DEC.state.Ny.us

CC: dieter_n_busch@mail.fws.gov, david_stilwell@mail.fws.gov

File: greatlak.act (5406 bytes)

DL Time (28800 bps): < 1 minute

EXCOM:

Dieter Busch forwarded the following information asking for the Chapter's support. We should discuss this during the next meeting.

Dave Bryson

----- Headers -----

Return-Path: <dave_bryson@mail.fws.gov>

Received: from relay14.mx.aol.com (relay14.mail.aol.com [172.31.109.14]) by air15.mail.aol.com (v49.1) with SMTP; Mon, 14 Sep 1998 11:27:00 -0400

Received: from dns (dns.irm.r9.fws.gov [164.159.176.1])
by relay14.mx.aol.com (8.8.8/8.8.5/AOL-4.0.0)
with SMTP id LAA05295 for <ialansing@aol.com>;
Mon, 14 Sep 1998 11:26:54 -0400 (EDT)

From: dave_bryson@mail.fws.gov

Received: from smtp1.irm.r9.fws.gov by dns (SMI-8.6/SMI-4.1)
id JAA00771; Mon, 14 Sep 1998 09:40:21 -0600

Received: from ccMail by smtp1.irm.r9.fws.gov (ccMail Link to SMTP R8.00.01)
id AA905786909; Mon, 14 Sep 98 09:28:43 -0700

Message-Id: <9809149057.AA905786909@smtp1.irm.r9.fws.gov>

X-Mailer: ccMail Link to SMTP R8.00.01

Date: Mon, 14 Sep 98 10:13:39 -0700

To: <murphmh@obg.com>, <ampeterson@NYSEG.com>, <hasimon@gw.dec.ny.us>,
<ialansing@aol.com>, <djstewart@mailbox.syr.edu>,
<DXSTANG@GW.DEC.state.Ny.us>

Cc: <dieter_n_busch@mail.fws.gov>, <david_stilwell@mail.fws.gov>

Subject: Great Lakes Reauthorization Act

MIME-Version: 1.0

Content-Type: multipart/mixed; boundary="simple boundary"

9-14-98

Reauthorization of the Great Lakes Fish and Wildlife Restoration Act of 1990 as the Great Lakes Fish and Wildlife Restoration Act of 1997 (S. 659; H.R. 1481) is pending congressional action. However, due to other priorities, no action has been taken.

The Act has support in both chambers and by both parties but was unable to move through the hearing and markup stages in 1997. The best opportunity appears to be if the Senate held a hearing and moved this bill along. Another opportunity appears to be to have this bill "lumped" in the Senate with other small environmental bills for action during this session of congress.

Passage and funding of the Great Lakes Fish and Wildlife Restoration Act of 1997 would provide the means to implement the findings of the Great Lakes Fishery Resources Restoration Study. This Study found that the decline of the health of the Great Lakes Fisheries was due to multiple causes that must be addressed in a coordinated effort in order to restore the health of the fishery. The Study's recommendations include a strong focus on restoring healthy ecosystems and native fish species of special interest such as restoring Atlantic salmon to Lake Ontario, enhancing coarcted brook trout in Lake Superior, enhance lake sturgeon, enhance walleye, and restore native forage species. Efforts need to be increased to resolve the accuracy of the finding that "blue pike are extinct" and if incorrect, plan restoration procedures. The Study also identifies the need for an inventory and assessment of aquatic habitats for potential restoration and enhancement which would be accomplished under the reauthorized Act.

The reauthorization language sets appropriations at \$1,500,000 for activities by the U.S. Fish and Wildlife Service. An additional \$3,500,000 would be available, if appropriated by Congress, for projects by partners (agencies, colleges, non-governmental groups), with only a 25 percent match (cash or in kind).

Your help could be very important in getting the Act passed and advancing the restoration process. This could be done through the expression of your support to your Senators and your Congressional Representative and also to the Chairs of the following committees:

Senate:

Appropriations Committee - Ted Stevens, Chair, Fax 202-225-0542

Environmental and Public Works Committee - John Chafee, Chair, Fax 202-224-1273

House:

Resources - Don Young, Chair, Fax 202-225-0425

Fisheries, Wildlife and Oceans - Jim Saxton, Chair, Fax 202-225-0738

Appropriations - Bob Livingston, Chair, Fax 202 225-0739

Interior Appropriations - Ralph Regula, Chair, Fax 202-225-3059

Thanks

COPY

Subj: Great Lakes Reauthorization Act
Date: 98-09-14 11:27:02 EDT
From: dave_bryson@mail.fws.gov
To: murphmh@obg.com, ialansing@aol.com, amperterson@nyseg.com, hasimoni@gw.decc.state.ny.us,
djstweart@mailbox.syr.edu

Dieter Busch passed along the following information asking for the Chapter's support (see attached). We should be prepared to discuss this during the next Excom meeting scheduled for October 221, 1998. Any questions, call me or Dieter.

Dave Bryson

----- Headers -----

Return-Path: <dave_bryson@mail.fws.gov>
Received: from relay21.mx.aol.com (relay21.mail.aol.com [172.31.106.67]) by air12.mail.aol.com (v49.1) with SMTP; Mon, 14 Sep 1998 11:26:59 2000
Received: from dns (dns.irm.r9.fws.gov [164.159.176.1])
by relay21.mx.aol.com (8.8.8/8.8.5/AOL-4.0.0)
with SMTP id LAA19613 for <ialansing@aol.com>;
Mon, 14 Sep 1998 11:26:53 -0400 (EDT)
From: dave_bryson@mail.fws.gov
Received: from smtp1.irm.r9.fws.gov by dns (SMI-8.6/SMI-4.1)
id JAA00765; Mon, 14 Sep 1998 09:40:12 -0600
Received: from ccMail by smtp1.irm.r9.fws.gov (ccMail Link to SMTP R8.00.01)
id AA905786908; Mon, 14 Sep 98 09:28:35 -0700
Message-Id: <9809149057.AA905786908@smtp1.irm.r9.fws.gov>
X-Mailer: ccMail Link to SMTP R8.00.01
Date: Mon, 14 Sep 98 08:25:38 -0700
To: <murphmh@obg.com>, <ialansing@aol.com>, <amperterson@nyseg.com>,
<hasimoni@gw.decc.state.ny.us>, <djstweart@mailbox.syr.edu>
Subject: Great Lakes Reauthorization Act
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

Accepted

NEW YORK CHAPTER - AMERICAN FISHERIES SOCIETY - 1998
Ichthyological Associates, Inc. c/o John Homa, Jr.
50 Ludlowville Road, Lansing, NY 14882

Summary Treasurer's Report
Prepared September 30, 1998

Balance as of January 28, 1998 per T. Sinnott's report \$22,062.45

Income and expenses prior to turning over to John Homa

Receipts \$4,729.65
Expenses 6178.76
=====

Balance when turned over to J. Homa \$20,613.34

RECEIPTS

Memberships: \$1,700.00
Raffle: 344.00
Annual meeting: 103.00
Interest: 337.19
=====

TOTAL RECEIPTS \$2,484.19
=====

TOTAL INCOME: \$23,097.53

EXPENDITURES

Award Plaques: \$25.00
Office Supplies (date/bank stamp/checks) 65.90
Newsletter -printing 191.75
Newsletter -postage/permit fees 446.10
Raffle 59.55
Workshop -Student sub unit 140.79
=====

TOTAL EXPENDITURES \$929.09
=====

Ending Balance (all accounts) \$22,168.44

NEW YORK CHAPTER - AMERICAN FISHERIES SOCIETY - 1998
 Ichthyological Associates, Inc. c/o John Homa, Jr.
 50 Ludlowville Road, Lansing, NY 14882

Summary Treasurer's Report
 Prepared September 30, 1998

Balance as of January 28, 1998 per T. Sinnott's report	\$22,062.45				
Income and expenses prior to turning over to John Homa					
	Receipts	\$4,729.65			
	Expenses	-6178.76			
Balance when turned over to J. Homa		\$20,613.34	Beginning Balance		\$20,613.34
Beginning Balance (all accounts)		\$20,613.34	RECEIPTS		\$22,168.44
		3/31/98	6/30/98	9/30/98	12/31/98
Memberships; national	\$1,075.00	\$440.00			\$1,515.00
Memberships	95.00	60.00		30.00	185.00
Raffle; 1998 annual meeting	344.00				344.00
Annual meeting; 1998	103.00				103.00
Interest:	118.78	74.59		143.82	337.19
TOTAL RECEIPTS		\$574.59		\$173.82	\$2,484.19
TOTAL INCOME:	\$1,735.78				

EXPENDITURES					
Award Plaques:	\$25.00				\$25.00
Office Supplies (date/bank stamp/checks)	65.90				65.90
Newsletter - printing		191.75		97.35	191.75
Newsletter - postage/permit fees		348.75		44.55	446.10
Raffle		15.00		23.20	59.55
Workshop - Student sub unit	117.59				140.79
Misc.					
TOTAL EXPENDITURES	\$208.49	\$555.50		\$165.10	\$929.09
Ending Balance (all accounts)	\$22,140.63	\$22,159.72		\$22,168.44	\$22,168.44

NY CHAPTER FISHERIES SOCIETY - 1998
ACTUAL ACCOUNTS QUARTERLY BALANCES

ACCOUNT BALANCES	1-27-98 (Tim Simoni)	3/31/98 BALANCES	6/30/98 BALANCES	9/30/98 BALANCES	12/31/98 BALANCES	ANNUAL MEETING
Checking (1/14/98)	\$4,123.36	1970.56	1915.08	1779.98		
Saving (1/14/98)	7492.18	9614.43	9689.02	9763.65		
CD 1 (11/6/97)	5225.43	5262.63	5262.63	5262.63		
CD 2 (11/6/97)	5221.46	5292.99	5292.99	5362.18		
TOTAL	\$22,062.45	\$22,140.63	\$22,159.72	\$22,168.44		

TCTC - NO INTEREST/NO FEES
TCTC - 3.1%
CD 1, TCTC 5.35%; 16 mo., matures 7-16-99
CD 2, National 5.21% _mo., matures 1-28-99

1st q 3/31 2nd q 6/30 3rd q 9/30 4th q 12/31

NY CHAPTER FISHERIES SOCIETY - 1998
PROJECTED AND ACTUAL QUARTERLY INCOME AND EXPENSES

	3/31/98	6/30/98	9/30/98	12/31/98	ANNUAL MEETING	3/31/98	6/30/98	9/30/98	12/31/98	ANNUAL MEETING
1998 BUDGET										
PROJECTED REVENUES										
1999 Annual Meeting	\$7,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
1998 Membership Dues	2500.00	500.00	30.00	1670.00	1670.00	1170.00	1670.00	1700.00	1700.00	1700.00
Interest	1200.00	74.59	143.82	118.78	193.37	118.78	193.37	337.19	337.19	337.19
Raffle	650.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998 Workshop	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	\$16,350.00	\$574.59	\$173.82	\$1,288.78	\$1,863.37	\$1,288.78	\$1,863.37	\$2,037.19	\$2,037.19	\$2,037.19
PROJECTED EXPENDITURES										
1998 Annual Meeting	\$8,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Office Supplies	100.00	65.90	0.00	65.90	65.90	65.90	65.90	65.90	65.90	65.90
Postage	450.00	348.75	0.00	348.75	348.75	0.00	348.75	348.75	348.75	348.75
Newsletter	700.00	191.75	141.90	25.00	333.65	0.00	191.75	333.65	333.65	333.65
Workshop	4500.00	25.00	0.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Donations	300.00	15.00	0.00	15.00	15.00	0.00	15.00	15.00	15.00	15.00
Stipends to best papers	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stipends to Student at Annual Meeting	250.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Raffle	200.00	23.20	0.00	23.20	23.20	0.00	0.00	23.20	23.20	23.20
NED AFS Meeting - travel & expenses 1	550.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AFS Annual Meeting - travel & expenses	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Non projected telephone										
Non projected student sub-unit, 1										
TOTAL	\$16,350.00	\$208.49	\$555.50	\$165.10	\$763.99	\$208.49	\$763.99	\$929.09	\$929.09	\$929.09

1 = Transfer to student sub-unit

AFS Accounting:\budget\98.wk3

updated: 7/24/98; 10/9/98

Return!

From: <ron_essig@mail.fws.gov>
To: OBG.Syracuse(MurphyMH), OBG.SMTP("scarney@lazerlink...
Date: 1 October 1998 (Thursday) 20:00
Subject: Minutes 9/28/98 NED Conference Call

Minutes 9/28/98 NED Conference Call

Participants

Linda Bireley, President
Doug Stang, First Vice President
Donna Parrish, Past-President
Ron Essig, Secretary-Treasurer
Alan McNeill, Atlantic International Chapter President
Brandon Kulik, Atlantic International Chapter Vice President
Patty Thomson, SUNY Syracuse Chapter President
Bernie Petrosky, Mid-Atlantic Chapter President-Elect
Margaret Murphy, New York Chapter President
Allen Peterson, New York Chapter President-Elect
Scott Carney, Pennsylvania Chapter President
John Kocik, Southern New England Chapter President

Purpose

To get to know each other and assess whether this is an effective mechanism for NED EXCOM communications.

AFS News

Linda passed on information on several AFS news items:

1. A letter was sent from President Bob Carline to subunit officers explaining the issues surrounding Paul Brouha's resignation

ACTION: Linda will email a copy of the letter to those who didn't receive it. (COMPLETED)

ACTION: Chapter Presidents should share this with their members.

2. Bob Kendall is serving as Acting Executive Director. He plans to resign when a new person comes on. So the position of Publications Director would then need filling.

3. Linda and Barbara Knuth, NED President-Elect, serve on the AFS Strategic Planning Committee. Barbara also serves on the AFS Special Management Committee.

ACTION: Linda or Barbara will send draft AFS Strategic Plan to Chapter Presidents in November 1998.

ACTION: EXCOM members should provide comments in December 1998.

ACTION: Any other AFS issues should be brought forward by EXCOM members to Linda, Barbara or Doug Stang, First Vice President.

Chapter Elected Officers

Linda reminded call participants that elected Chapter officers must be AFS members. Some have not been in the past.

NED Committee Appointments

Linda stated that the NED Newsletter Editor position is still unfilled. One option is to assign the lead to a different Chapter each year. However, there was concern about continuity with this approach. This would be less of a concern if Chapter newsletter editors are in

communication with the NED Newsletter Editor.

ACTION: The SUNY Syracuse Chapter will provide a Newsletter Editor for 1-2 years. Patty Thomson will think about a NED newsletter format for Chapter newsletter editors to easily plug into.

ACTION: Chapter Presidents should discuss with their newsletter editors information flow to the NED Newsletter Editor.

ACTION: Linda will email EXCOM contact information to all call participants. (COMPLETED)

Northeast Fish and Wildlife Conference

The next conference will be held April 11-14, 1999 in Manchester, New Hampshire. The fisheries chair, Duncan McInnes, is interested in working with the Division on the program. The Division has been sponsoring symposia at recent conferences.

ACTION: All EXCOM members should email ideas for symposium topics to Linda with copies to the rest of the EXCOM. This should be done in the next several weeks to meet the symposium proposal deadline of December 1, 1998. Even if an idea cannot be developed by 1999, ideas should be sent for the future.

Atlantic International Chapter (AIC) Report

Alan McNeill reported that the AIC held a 1.5 day meeting last week in Quebec City. The meeting theme was Management of Introduced Fishes. One consensus point was that education is one of the most important tools to limit impacts. Brandon Kulik was elected Vice President and Joan Trial was elected Secretary-Treasurer. Next year's meeting will be in Maine with a Watershed Management theme. The AIC will support a bid for hosting the 2003 AFS meeting if it is submitted by Quebec.

Mid-Atlantic Chapter Report

Bernie Petrosky reported that the Mid-Atlantic Chapter will meet sometime in November at Delaware State University. There will be an aquaculture theme. The Chapter is holding a raffle for a New Jersey duck stamp print. Tickets at \$1 each are available from John Clark at (302) 739-4782.

New York Chapter Report

Margaret Murphy reported that the New York Chapter will sponsor a Statistics Refresher workshop on December 2-3, 1998 at the Holiday Inn in Cortland, NY. The workshop coordinator is Dave Lemon at (607) 753-3095 X208.

Pennsylvania Chapter Report

A fall meeting of the Pennsylvania Chapter had not yet been scheduled. The current President-Elect has taken another job and needs to be replaced. Another priority for the fall meeting is to get the Chapter's finances in order.

Southern New England Chapter (SNEC) Report

The SNEC held a business meeting at the AFS meeting in Hartford. A major decision at the meeting was to allow an Affiliate membership category for non-AFS members. The next SNEC meeting will be January 13, 1999 at the University of Connecticut, Avery Point. The meeting will have a general theme to allow a balance of inland and marine fisheries papers. Official AFS 1998 meeting t-shirts are still available for \$10 each from Chris Powell at (401) 294-4524.

SUNY, ESF Report

The SUNY ESF Chapter meets every few weeks. A recent meeting involved a fly tying demonstration. The Chapter has assisted with several projects including fish stocking and teaching kids fishing. The Chapter also has a web page.

Evaluation of Conference Call

No one disagreed that the conference call was useful to get to know other members of the NED EXCOM and to discuss common issues. There was also a consensus that calls should be regularly scheduled on two-month intervals. The one-hour time limit was felt to be appropriate. Soliciting agenda items and providing any written information beforehand would improve the efficiency of future conference calls. The next call was tentatively scheduled for the first week in December.

ACTION: Ron Essig will email minutes from the conference call to the NED EXCOM. (COMPLETED)

ACTION: Ron will email the NED EXCOM to ask for specific dates and times available for the next call and agenda items. Note: I think the most effective time to do this would be one month prior to the call. So you can expect to hear from me around Nov 2.

Respectfully submitted,

Ron Essig

CC: OBG.SMTP("mbrown@fisheries.org")

Agenda for NYC-AFS Excomm Meeting
Tuesday July 28, 1998 10:30 am
Shackleton Point

Welcome

Minutes from last meeting

Homa

Treasurer's Report

Homa

Letters and activities since last Excomm meeting
Northeast meeting summary

Murphy

1999 Annual meeting program update - location?

McDonald

1998 Workshop

Lemon

Other Committee Reports -

- 1) Environmental Concerns - Howard Simonin
- 2) Membership - Allen Peterson
- 3) Resolutions - Dave Bryson
- 4) Professional Incentives - Rudstam
- 5) Newsletter - John Farrell
- 6) Student Affairs - Margaret Murphy, Matt Nemeth
- 7) Professional Diversity - Betty Lou Brett
- 8) Youth Education - Chris Lowie, Doug Carlson

New Business

Next Meeting

*Mike L. Walsh, Task Force
Blue Book - Workshop* →

*Draft not
Agreed 7-28-98
Comments
JH. - 7-25-98*

NEW YORK CHAPTER, AMERICAN FISHERIES SOCIETY

EXCOM MEETING; SHACKLETON POINT, NY

APRIL 22, 1998

Present: Margaret Murphy, Lars Rudstam, Howard Simonin, Dave Bryson, Allen Peterson, Dick McDonald, Matt Nemeth, John Homa, Jr.

Meeting minutes from the November 14, 1997 were reviewed and accepted with modification.

Treasurer Report for the last quarter was not available and will be presented at next Excom session. Most funds (except second CD) have been transferred to Tompkins County Trust Company where savings, checking, and CD account are presently established.

Some discussion concerning ^{ed} a media awareness of AFS, student writing contest, fisheries and the public, newsletter being distributed to media, and NYS Sportmans magazine this was brought up due to the AFS Nation Public Outreach on January 22, 1998.

AFS 2000 Goal, \$355K projected need, goal to get \$250K by 2000 mostly through corporate type funding.

Motion made and passed for AFS-NYC to donate 2 duck stamps to AFS-National. *m*

AFS-National requested sponsorship of 2002 national meeting, letter to G. Barnhardt (NYSDEC) got no response; this appears to be a dead issue proposals are due to AFS-National August 1, 1998.

1998 Annual Meeting. Dick McDonald indicated main topic "Communications and Fisheries" Get speakers from AFS-National, Human Dimensions, Steve Brown. How to deal with media; Case History -- what worked well-- what went wrong. Lake Champlain -- commorant; coho restoration Oregon; hot fish--cold public; fish health advisories, etc. There is a need for dynamic speakers.

Topic concerning chapter annual meeting location was discussed; it was indicated that Howard would contact Tim Sinnott to see he ^g would be interested in setting up Saratoga Holiday Inn. Preferred dates January 28, 29, 30, 1999.

D. Lemon and D. Bishop continue to work on the Statistics Workshop -- more information will be comming.

Sinnott et al. Had indicated it may be worthwhile to commission someone to compile a history of the chapter. Discussion indicated a \$500 stipend may be appropriate. Potentially a student or retired chapter member may be appropriate. Homa indicated he would prepare a statement for the next newsletter.

Next meeting scheduled for July 22.

No additional business, motion to close.

JH98-01/AFS-048a

9/11 4-22-98

Agenda for NYC-AFS Excomm Meeting
Wednesday April 22, 1998 10:30 am
Shackleton Point

Welcome

Minutes from last meeting

Homa ✓

Treasurer's Report

Homa ✓

Letters and activities since last Excomm meeting

Murphy ✓

1999 Annual meeting program update

McDonald ✓

1998 Workshop

Lemon

Resolution - NYSERDA

Peterson/Bryson

Other Committee Reports -

1) Environmental Concerns - Howard Simonin

2) Membership - Allen Peterson →

3) Resolutions - Dave Bryson → 8/5/98 →

4) Professional Incentives - Rudstam

5) Newsletter - John Farrell

6) Student Affairs - Margaret Murphy, Matt Nemeth ←

7) Professional Diversity - Betty Lou Brett

8) Youth Education - Chris Lowie, Doug Carlson

New Business

Next Meeting

Larry Olmsted
13339 Hazen Ferry Rd.
Huntville, W.C. 28078

NY CHAPTER FISHERIES SOCIETY -1998

ACTUAL ACCOUNTS QUARTERLY BALANCES

ACCOUNT BALANCES	1-27-98 (Tim Sinnott)	3/31/98 BALANCES	6/30/98 BALANCES	9/30/98 BALANCES	12/31/98 BALANCES	ANNUAL MEETING
Checking (1/14/98)	\$4,123.38	1970.58	1915.08			
Saving (1/14/98)	7492.18	9614.43	9689.02			
CD 1 (11/6/97)	5225.43	5262.63	5262.63			
CD 2 (11/6/97)	5221.46	5292.99	5292.99			
TOTAL	=====	=====	=====	=====	=====	=====
	\$22,062.45	\$22,140.63	\$22,159.72			

TCTC - NO INTEREST/NO FEES
TCTC - 3.1%
CD 1, TCTC 5.35%; 16 mo., matures 7-16-99
CD 2, National 5.21% mo., matures 1-26-99

AFS\budget98.wx1

Handwritten:
 B.M. 1st & 2nd Quarter
 OK'd by group
 1-6-98
 H

NEW YORK CHAPTER - AMERICAN FISHERIES SOCIETY - 1998
 Ichthyological Associates, Inc. c/o John Homa, Jr.
 50 Ludlowville Road, Lansing, NY 14882

Summary Treasurer's Report
 Prepared June 30, 1998

Balance as of January 28, 1998 per T. Sinnott's report \$22,062.45

Income and expenses prior to turning over to John Homa

Receipts \$4,729.65
 Expenses -6178.76
 =====

Balance when turned over to J. Homa \$20,613.34

Beginning Balance \$20,613.34

Beginning Balance (all accounts)	RECEIPTS				YR TO-DATE
	3/31/98	6/30/98	9/30/98	12/31/98	
	\$20,613.34	\$22,140.63	\$22,159.72		
Memberships; national	\$1,075.00	\$440.00			\$1,515.00
Memberships	95.00	60.00			155.00
Raffle; 1998 annual meeting	344.00				344.00
Annual meeting; 1998	103.00				103.00
Interest:	118.78	74.59			193.37
TOTAL RECEIPTS					
TOTAL INCOME:	\$1,735.78	\$574.59			\$2,310.37

EXPENDITURES

Award Plaques:	\$25.00			\$25.00
Office Supplies (date/bank stamp/checks)	65.90			65.90
Newsletter -printing		191.75		191.75
Newsletter -postage/permit fees		348.75		348.75
Raffle		15.00		15.00
Workshop -Student sub unit	117.59			117.59
Misc.				
TOTAL EXPENDITURES	\$208.49	\$555.50		\$763.99
Ending Balance (all accounts)	\$22,140.63	\$22,159.72		\$22,159.72

PROJECTED AND ACTUAL QUARTERLY INCOME AND EXPENSES

1998 BUDGET PROJECTED REVENUES	3/31/98	6/30/98	9/30/98	12/31/98	ANNUAL MEETING	Balance to-date of revenue	ANNUAL MEETING
						3/31/98	6/30/98
1999 Annual Meeting	\$0.00	\$0.00				\$0.00	\$0.00
1998 Membership Dues	1170.00	500.00				1170.00	1670.00
Interest	118.78	74.59				118.78	193.37
Raffle	0.00	0.00				0.00	0.00
1998 Workshop	0.00	0.00				0.00	0.00
TOTAL	\$1,288.78	\$574.59				\$1,288.78	\$1,863.37

PROJECTED EXPENDITURES	3/31/98	6/30/98	9/30/98	12/31/98	ANNUAL MEETING	Balance to-date balance of expenses	ANNUAL MEETING
						3/31/98	6/30/98
1999 Annual Meeting	\$0.00	\$0.00				\$0.00	\$0.00
Office Supplies	65.90					65.90	65.90
Postage		348.75				0.00	348.75
Newsletter		191.75				0.00	191.75
Workshop	25.00					25.00	25.00
Donations		15.00				0.00	15.00
Stipends to best papers						0.00	0.00
Stipends to Student at Annual Meeting						0.00	0.00
Raffle						0.00	0.00
NED AFS Meeting - travel & expenses 1						0.00	0.00
AFS Annual Meeting-travel & expenses						0.00	0.00
Non projected telephone						0.00	0.00
Non projected student sub-unit, 1	117.59					117.59	117.59
TOTAL	\$208.49	\$555.50				\$208.49	\$763.99

i= Transfer to student sub-unit

AFS: budget98.wk3

7/24/98

HOMA'S

ORIGINAL

Find as marked w/ Revisions -

DRAFT FOR REVIEW AT EXCOM 1-28-99

NEW YORK CHAPTER, AMERICAN FISHERIES SOCIETY
EXCOM MEETING; SHACKLETON POINT, NY
OCTOBER 21, 1998

only Carlson!

Present: Margaret Murphy, Lars Rudstam, Howard Simonin, Dave Bryson, Dick McDonald, ~~Dave Lemon~~, Doug Carlson, John Farrell, Mark Olson, John Homa.

Meeting minutes from the July 28, 1998 NYSAFS EXCOM Meeting were reviewed and accepted with modification.

Treasurer's Report for the last quarter was reviewed and accepted as presented.

1999 NEW YORK CHAPTER ANNUAL MEETING

Plans for the January 28-30, 1999 NYCAFS Annual Meeting were reviewed by D. McDonald.

Tim Sinnott continues to work with the Saratoga Springs Holiday Inn as the 1999 meeting location. A block of rooms are available @\$65.00. Cost of meeting is comparable and some what less than at Treadway Owego.

The theme for the Annual Meeting is Cold Fish - Hot Public: *Water -* Communications in Fisheries. Steve Brown SAREP coordinator is scheduled to speak, other potential invited speakers were discussed and need to be contacted.

Parent Society News

Paul Brouha resigned as the AFS Executive Director (see *Fisheries* October 1998). Bob Kendall will be interim director as search for replacement begins. Barb Knuth is taking lead for the Strategic Plan for the Society with a draft due in November and Final in early 1999.

NE Division

Officers are Linda Bireley Pres.; Barb Knuth, Pres. Elect.; Doug Stang, V.P.; Donna Parrish, past Pres.; Ron Essig, Sec/Tres
Bireley is coordinating the NE Division via bimonthly, approximately 1 hour, conference calls. SUNY ESF will do NE Division Newsletter for next 2 years.

NE F&W Conference will be April 11-14, 1999.

DRAFT FOR REVIEW AT EXCOM 1-28-99

COMMITTEE REPORTS

M. Murphy reported for
NYCAFS Workshop - D. Lemon. The NYCAFS two day (Wednesday-Thursday) workshop *An introduction to sampling design and statistics* will be held at the Cortland Holiday Inn in early December. The cost will be \$50 Members and \$55 nonmembers and will be taught by Steve Stehman (ESF-Syracuse). Dave will be doing most of the final coordination in next few weeks.

Nominations -- L. Rudstam. Dave Bryson and Dave Stewart are on the Ballot for NYCAFS President.

Membership -- Peterson not present. Homa indicated that a notice was sent out with last Newsletter indicating that dues have not been received since 96 and you will be deleted from mailing list or please contact us if you feel our records are in error. NYCAFS picked up a half dozen renewals. A similar notice will be sent with winter newsletter for 97 members.

Environmental Concerns -- H. Simonin. Bill Sarbello worked to get Sen. Broadsky to introduce a bill into the NYS legislation concerning drawdown of non-power reservoirs in the state. This will become NYS law as of January 1, 1999.

Resolutions -- D. Bryson. No response from D. Stang concerning effort to come up with management plans for NY Rivers/Watersheds.

Professional Incentive -- Jim Haynes will receive a Professional Achievement Award at the upcoming NYCAFS Annual Meeting.

Student Affairs -- M. Murphy. Matt Nemeth did not require NYCAFS support for his attendance at the NE meeting (he hitch hiked to meeting). CU student group is helping to assess Cayuga Inlet population following locomotive diesel spill.

Profession Incentives -- Need lead for this committee.

Professional Diversity -- L. Rudstam. Introduced Mark Olsen as new lead for this committee.

Youth Education -- D. Carlson ~~not present~~. *received other award*

Newsletter -- J. Farrell. Going fairly well as he gets

*Guide to Fishery Education -
Resources for Grader - K-12 2
AFS Youth Education Committee*

established in Syracuse area, this issue will go out in December.

Other Business -- M. Murphy indicated that A. Peterson is continuing to investigate if the NYCAFS should do more with ^{it} savings, to benefit members. Homa indicated that he had not found a copy of the Financial Plan prepared several years ago and would contact Tim Sinnott and/or Tom Field.

A. Peterson emailed M. Murphy several suggestions for use of "excess funds" including:

- 1) 1 day special topic seminars, free for NYCAFS Members,
- 2) sponsorship of events (example youth fishing derbies),
- 3) small grant for non governmental groups (\$500 or less) in exchange for chapter input,
- 4) low interest revolving fund loans (similar to Nature Conservancy).

It was indicated that EXCOM needs to look at past direction from the NYCAFS "Financial Plan" which set previous goals and which may need to be revisited.

End of meeting; next EXCOM will be Thursday January 28, 1999 at Saratoga Springs Holiday Inn. Also the NYCAFS Annual Business Meeting will be held on January 29, 1999.

JH99-01/afs108a

Subj: AFS - NYC letter in support of Sport Fish Restoration

Date: 98-05-11 12:55:24 EDT

From: MurphyMH@obg.com (Margaret Murphy)

To: ialansing@aol.com, rpmcdona@aol.com, lgr1@cornell.edu, mjn14@cornell.edu, dklemon@gw.dec.state.ny.us, dmcarlso@gw.dec.state.ny.us, hasimoni@gw.dec.state.ny.us, R5FFA_LGLFRO@smtp2.irm.r9.fws.gov, jmfarrel@mailbox.syr.edu, blbrett@naz.edu, ampeter@nyseg.com, dave_bryson@smtp2.irm.r9.fws.gov

Following is a message and draft letter from Ron Essig (Sec-Treas. NED) regarding a request from Paul Brouha at the NE meeting last week. If nobody opposes, I'd like to send one from the NYC to the NY representatives (Patrick Moynihan, Alfonse D'Amato, and Sherwood Boehlert). I'd like to send this out tomorrow, so please send any comments to me by the end of today. Thanks. (I will replace reference to NED to NYC)

Margaret

COPY

At this week's meeting in Camp Hill, PA, the Northeastern Division Executive Committee decided to write a letter in support of the reauthorization of the fuels tax transfer provisions of Federal Aid in Sport Fish Restoration Act. In particular, legislative support is needed to recover the 6.8 cents per gallon in federal fuel excise tax increases that has gone into the General Fund and not to the Aquatic Resources Trust Fund. A conference committee is currently considering

differences between House and Senate versions of the transportation

bill which includes these provisions. The Division is sending the letter to all Northeast members on the Conference committee. Chapter

Presidents should feel free to use any of the draft wording below to contact their legislators. Timing is critical since passage of the bill is expected by May 19.

Linda, correct me if I'm wrong, but I think we decided that you should sign the letter which should go out as soon as possible. Feel free to make any editorial corrections. Ron Essig, NED Secretary-Treasurer.

The Honorable (full name)
United States Senate
Washington, DC 20510

Dear Senator (last name):

or

The Honorable (full name)
United States House of Representatives
Washington, DC 20515

Dear Congressman or Congresswoman (last name)

The Northeastern Division of the American Fisheries Society urges your support for the Aquatic Resources Trust Fund provisions of the ISTEA

transportation bill (S. 1173, HR. 2400) now in conference. Through
the
Federal Aid in Sport Fish Restoration Act, the Aquatic Resources
Trust

Fund has provided countless benefits to northeast recreational
anglers

and boaters since its inception in 1984. In particular, we request
your support for recovery of the 6.8 cents per gallon in federal fuel
excise tax increases in 1993 and 1997 collected from anglers and
boaters as a user fee, but has been diverted for other purposes.
Recovery of these user fees will make a significant contribution
toward

enhanced sport fish populations, aquatic habitats, and angling and
boating opportunities in the northeast since eight states in the region
are apportioned only the minimum one percent funding.

The Northeastern Division of AFS is an organization of more than
1000
fisheries professionals from the Mid-Atlantic through the Canadian
maritime provinces. Many of our members are employees of the state
fisheries agencies that conduct the projects supported by this funding
source. So there is a first-hand appreciation for the importance and
effectiveness of the Federal Aid in Sport Fish Restoration Program.

Thank you for your consideration. Feel free to contact me at...

Sincerely,

President
Northeastern Division

Send to Senators John Chafee (RI), William Roth (DE), Alfonse
D'Amato (NY), Paul Sarbanes (MD), Christopher Dodd (CT), Daniel
Patrick Moynihan (NY), and Frank Lautenberg (NJ).

Send to Representatives Bud Shuster (PA), Sherwood Boehlert (NY),
Robert
Borski (PA), and Jim McGovern (MA).

----- Headers -----

Return-Path: <MurphyMH@obg.com>

Received: from relay30.mx.aol.com (relay30.mail.aol.com [172.31.109.30]) by air09.mail.aol.com (vx) with SMTP; Mon, 11 May 1998 12:55:23 -0400

Received: from obg.com ([207.10.65.2])

by relay30.mx.aol.com (8.8.5/8.8.5/AOL-4.0.0)

with SMTP id MAA08357;

Mon, 11 May 1998 12:54:06 -0400 (EDT)

Received: from OBG-Message_Server by obg.com

with Novell_GroupWise; Mon, 11 May 1998 13:01:02 -0400

Message-Id: <s556f68e.070@obg.com>

X-Mailer: Novell GroupWise 4.1

Date: Mon, 11 May 1998 13:00:54 -0400

From: Margaret Murphy <MurphyMH@obg.com>

To: ialansing@aol.com, rpmcdona@aol.com, lgr1@comell.edu, mjn14@comell.edu,
dklemon@gw.dec.state.ny.us, dmcarlso@gw.dec.state.ny.us,
hasimoni@gw.dec.state.ny.us, R5FFA_LGLFRO@smtp2.irm.r9.fws.gov,
jmfarel@mailbox.syr.edu, blbrett@naz.edu, ampeterson@nyseg.com,
dave_bryson@smtp2.irm.r9.fws.gov

Subject: AFS - NYC letter in support of Sport Fish Restoration

Mime-Version: 1.0

Content-Type: text/plain

Content-Disposition: inline

Subj: Re: AFS - NYC letter in support of Sport Fish Restoration

Date: 98-05-11 14:41:39 EDT

From: ampeterson@nyseg.com

To: MurphyMH@obg.com

CC: ialansing@Aol.Com, Rpmcdona@Aol.Com, Lgr1@Cornell.Edu, Mjn14@Cornell.Edu, Dklemon@Gw.Dec.State.Ny.Us, Dmcarloso@Gw.Dec.State.Ny.Us, Hasimoni@Gw.Dec.State.Ny.Us, R5Ffa_Lglfro@smtp2.irm.r9.fws.gov, Jmfarrel@Mailbox.Syr.Edu, Blbrett@Naz.Edu, Dave_Bryson@smtp2.irm.r9.fws.gov

Allen Peterson@NYSEG

05/11/98 02:38 PM

Was this tax something that fishermen and boaters actually asked for? If it is, and it has been diverted to other purposes, then I think this should be highlighted and worded very clearly and strongly. When a constituency requests to be taxed for a specific purpose - and congress taxes them but spends the money for something else, then perhaps there is an ethics in government issue. If the tax was not requested, then the wording is fine, except for a few grammar points, e.g. the last sentence - "So there..." is not a sentence.

Allen

MurphyMH @ obg.com

05/11/98 01:00 PM

To: ialansing @ aol.com, rpmcdona @ aol.com, lgr1 @ cornell.edu, mjn14 @ cornell.edu, dklemon @ gw.dec.state.ny.us, dmcarloso @ gw.dec.state.ny.us, hasimoni @ gw.dec.state.ny.us, R5FFA_LGLFRO @ mail.fws.gov, jmfarrel @ mailbox.syr.edu, blbrett @ naz.edu, Allen Peterson, dave_bryson @ smtp2.irm.r9.fws.gov

cc:

Subject: AFS - NYC letter in support of Sport Fish Restoration

Following is a message and draft letter from Ron Essig (Sec-Treas. NED) regarding a request from Paul Brouha at the NE meeting last week. If nobody opposes, I'd like to send one from the NYC to the NY representatives (Patrick Moynihan, Alfonse D'Amato, and Sherwood Boehlert). I'd like to send this out tomorrow, so please send any comments to me by the end of today. Thanks. (I will replace reference to NED to NYC)

Margaret

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The Honorable (full name)
United States Senate
Washington, DC 20510
Dear Senator (last name):

or
The Honorable (full name)
United States House of Representatives
Washington, DC 20515
Dear Congressman or Congresswoman (last name)
The Northeastern Division of the American Fisheries Society urges

your support for the Aquatic Resources Trust Fund provisions of the ISTEA transportation bill (S. 1173, HR. 2400) now in conference. Through the Federal Aid in Sport Fish Restoration Act, the Aquatic Resources Trust Fund has provided countless benefits to northeast recreational anglers

and boaters since its inception in 1984. In particular, we request your support for recovery of the 6.8 cents per gallon in federal fuel excise tax increases in 1993 and 1997 collected from anglers and boaters as a user fee, but has been diverted for other purposes. Recovery of these user fees will make a significant contribution

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Sincerely,

President
Northeastern Division

Send to Senators John Chafee (RI), William Roth (DE), Alfonse D'Amato (NY), Paul Sarbanes (MD), Christopher Dodd (CT), Daniel Patrick Moynihan (NY), and Frank Lautenberg (NJ).

Send to Representatives Bud Shuster (PA), Sherwood Boehlert (NY),
Robert
Borski (PA), and Jim McGovern (MA).

----- Headers -----

Return-Path: <ampeterson@nyseg.com>

Received: from rly-zb03.mx.aol.com (rly-zb03.mail.aol.com [172.31.41.3]) by air-zb01.mail.aol.com (vx) with SMTP; Mon, 11 May 1998 14:41:39 -0400

Received: from franklin.appliedtheory.com (franklin.appliedtheory.com [192.77.173.116])
by rly-zb03.mx.aol.com (8.8.5/8.8.5/AOL-4.0.0)
with ESMTP id OAA14925;
Mon, 11 May 1998 14:41:38 -0400 (EDT)

From: ampeterson@nyseg.com

Received: from mta.nyseg.com ([199.98.200.7])

by franklin.appliedtheory.com (8.8.8/8.8.8) with SMTP id OAA11913;
Mon, 11 May 1998 14:41:36 -0400 (EDT)

Received: by mta.nyseg.com (Lotus SMTP MTA v1.1 (385.6 5-6-1997)) id 85256601.0066F3D8 ; Mon, 11 May 1998 14:44:30 -0400

X-Lotus-FromDomain: NYSEG@INTERNET

To: MurphyMH@obg.com

; Ialansing@Aol.Com, Rpmcdona@Aol.Com, Lgr1@Cornell.Edu, Mjn14@Cornell.Edu,
Dklemon@Gw.Dec.State.Ny.Us, Dmcarloso@Gw.Dec.State.Ny.Us,
Hasimoni@Gw.Dec.State.Ny.Us, R5Ffa_Lglfro@smtp2.irm.r9.fws.gov,
Jmfarrel@Mailbox.Syr.Edu, Blbrett@Naz.Edu,
Dave_Bryson@smtp2.irm.r9.fws.gov

Message-ID: <85256601.0064AEE6.00@mta.nyseg.com>

Date: Mon, 11 May 1998 14:38:10 -0400

Subject: Re: AFS - NYC letter in support of Sport Fish Restoration

SHERWOOD BOEHLERT
23rd DISTRICT, NEW YORK

COMMITTEES:
SCIENCE
SUBCOMMITTEE ON BASIC RESEARCH

TRANSPORTATION AND INFRASTRUCTURE
CHAIRMAN, SUBCOMMITTEE ON
WATER RESOURCES AND ENVIRONMENT
SUBCOMMITTEE ON RAILROADS

HOUSE PERMANENT SELECT COMMITTEE
ON INTELLIGENCE

U.S. DELEGATION, NORTH ATLANTIC ASSEMBLY
CHAIRMAN, NORTHEAST AGRICULTURE CAUCUS
CHAIRMAN, MINOR LEAGUE BASEBALL CAUCUS



Congress of the United States
House of Representatives

Washington, DC 20515-3223

247-26-98
WASHINGTON OFFICE:
2246 RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20515-3223
(202) 225-3665
Fax: (202) 225-1891
E-Mail: BOEHLERT@HR.HOUSE.GOV

CENTRAL OFFICE:
ALEXANDER PIRNIE FEDERAL BUILDING
10 BROAD STREET
UTICA, NY 13501
(315) 793-8146
Fax: (315) 798-4099

TOLL FREE: 1-800-235-2525

June 29, 1998

Ms. Margaret H. Murphy
President
New York Chapter
American Fisheries Society
5000 Brittonfield Pkwy
Syracuse, New York 13221

Dear Ms. Murphy:

Thank you for contacting me regarding the transportation bill recently passed by Congress and signed by the President. I appreciate your interest in the provisions related to sport fishing, the nation's fisheries, and boating.


In the final bill, the transfer of receipts from boat gasoline and small engine fuel taxes to the Aquatic Resources Trust Fund is extended, as is the authority to expend the funds for boat safety programs. The portion of the boat gasoline tax that is dedicated to the Aquatic Fund is increased to 13 cents per gallon (from 11.5 cents) on October 1, 2001, and to 13.5 cents on October 1, 2003.

In addition, the Recreational Boating Safety Program is funded from recreational boat gasoline and special fuel taxes deposited in the Boat Safety Account of the Aquatic Resources Trust Fund. The final bill establishes new elements in the program for the improvement of boating infrastructure for transient nontrailerable recreational vessels and for outreach and communication. It also directs a portion of the Coast Guard's administrative funds to allow more vigorous enforcement of existing provisions designed to prevent boating defects.

While not all of the House and Senate-proposed provisions could be included in the final bill, I believe progress was made. Please continue to contact me on issues of importance to you.

With warmest regards,

Sincerely,


Sherwood Boehlert
Member of Congress

SB:sg



New York Chapter - American Fisheries Society
c/o O'Brien & Gere Engineers, 5000 Brittonfield Pkwy, Syracuse, NY 13221

The Honorable Alfonse D'Amato
United States Senate
Washington, DC 20510

Dear Senator D'Amato:

The New York Chapter of the American Fisheries Society urges your support for the Aquatic Resources Trust Fund provisions of the ISTEA transportation bill (S. 1173, HR. 2400) now in conference. Through the Federal Aid in Sport Fish Restoration Act, the Aquatic Resources Trust Fund has provided countless benefits to northeast recreational anglers and boaters since its inception in 1984. In particular, we request your support for recovery of the 6.8 cents per gallon in federal fuel excise tax increases in 1993 and 1997 that were collected from anglers and boaters as a user fee, but have been diverted for other purposes. Recovery of these user fees will make a significant contribution toward enhanced sport fish populations, aquatic habitats, and angling and boating opportunities in the northeast since eight states in the region are apportioned only the minimum one percent funding.

The New York Chapter of AFS is an organization of more than 300 fisheries professionals from throughout the state. Many of our members are employees of the New York State Department of Environmental Conservation that conducts the projects supported by this funding source. Therefore, there is a first-hand appreciation for the importance and effectiveness of the Federal Aid in Sport Fish Restoration Program.

Thank you for your consideration. Feel free to contact me at (315)437-6100 x2724.

Sincerely,

Margaret H. Murphy, President
New York Chapter AFS



New York Chapter - American Fisheries Society
c/o O'Brien & Gere Engineers, 5000 Brittonfield Pkwy, Syracuse, NY 13221

The Honorable Daniel Patrick Moynihan
United States Senate
Washington, DC 20510

Dear Senator Moynihan:

The New York Chapter of the American Fisheries Society urges your support for the Aquatic Resources Trust Fund provisions of the ISTEAs transportation bill (S. 1173, HR. 2400) now in conference. Through the Federal Aid in Sport Fish Restoration Act, the Aquatic Resources Trust Fund has provided countless benefits to northeast recreational anglers and boaters since its inception in 1984. In particular, we request your support for recovery of the 6.8 cents per gallon in federal fuel excise tax increases in 1993 and 1997 that were collected from anglers and boaters as a user fee, but have been diverted for other purposes. Recovery of these user fees will make a significant contribution toward enhanced sport fish populations, aquatic habitats, and angling and boating opportunities in the northeast since eight states in the region are apportioned only the minimum one percent funding.

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Washington, DC 20515

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Margaret H. Murphy, President
New York Chapter AFS

From: Margaret Murphy
To: ExComm
Date: 11 May 1998 (Monday) 13:00
Subject: AFS - NYC letter in support of Sport Fish Restoration

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Margaret

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Linda, correct me if I'm wrong, but I think we decided that you should sign the letter which should go out as soon as possible. Feel free to make any editorial corrections. Ron Essig, NED Secretary-Treasurer.

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President
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Send to Representatives Bud Shuster (PA), Sherwood Boehlert (NY), Robert Borski (PA), and Jim McGovern (MA).

From: <amp;peterson@nyseg.com>
To: OBG.Syracuse(MurphyMH)
Date: 11 May 1998 (Monday) 14:38
Subject: Re: AFS - NYC letter in support of Sport Fish Restoration

Allen Peterson@NYSEG
05/11/98 02:38 PM

Was this tax something that fishermen and boaters actually asked for? If it is, and it has been diverted to other purposes, then I think this should be highlighted and worded very clearly and strongly. When a constituency requests to be taxed for a specific purpose - and congress taxes them but spends the money for something else, then perhaps there is an ethics in government issue. If the tax was not requested, then the wording is fine, except for a few grammar points, e.g. the last sentence - "So there..." is not a sentence.

Allen

MurphyMH @ obg.com
05/11/98 01:00 PM

To: ialansing @ aol.com, rpmcdona @ aol.com, lgr1 @ cornell.edu, mjn14 @ cornell.edu, dklemon @ gw.dec.state.ny.us, dmcarlso @ gw.dec.state.ny.us, hasimoni @ gw.dec.state.ny.us, R5FFA_LGLFRO @ mail.fws.gov, jmfarel @ mailbox.syr.edu, blbrett @ naz.edu, Allen Peterson, dave_bryson @ smtp2.irm.r9.fws.gov
cc:
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From: Lars Rudstam <lgr1@cornell.edu>
To: Margaret Murphy <MurphyMH@obg.com>
Date: 11 May 1998 (Monday) 14:49
Subject: Re: AFS - NYC letter in support of Sport Fish Restoration

Sure, good idea.

Lars

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>regarding a request from Paul Brouha at the NE meeting last week. If
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> Washington, DC 20510

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> Dear Congressman or Congresswoman (last name)

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> your support for recovery of the 6.8 cents per gallon in federal fuel
> excise tax increases in 1993 and 1997 collected from anglers and

Margaret -

The sentences in bold are missing something - the first one needs to be in plural and have words to the effect of "that were collected from anglers but have been diverted"

The second sentence in bold is simply a fragment.

cheers,

Matt

>Margaret

>

>

>

>

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> Washington, DC 20510

>

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>

> or

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>

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>

>

>

From: IALansing <IALansing@aol.com>
To: OBG.Syracuse(MurphyMH)
Date: 11 May 1998 (Monday) 16:50
Subject: Re: AFS - NYC letter in support of Sport Fish Restoration

Margaret

I have no problem with you sending letter to support reauthorization of the fuels tax transfer provisions of the Sport Fish Restoration Act

I don't believe that this tax was requested by the "boaters" or anglers. But if I'm paying the tax, I'd like to see it go for its intended purpose!

John H.

From: <dave_bryson@mail.fws.gov>
To: OBG.Syracuse(MurphyMH), OBG.SMTP("ampeterson@nyseg...
Date: 11 May 1998 (Monday) 18:55
Subject: Re: AFS - NYC letter in support of Sport Fish Restoration

Margaret,

I think a letter of concurrence would be appropriate.

Dave Bryson

Reply Separator

Subject: AFS - NYC letter in support of Sport Fish Restoration
Author: Margaret Murphy <MurphyMH@obg.com> at ~internet
Date: 5/11/98 1:00 PM

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Dear Congressman or Congresswoman (last name)

The Northeastern Division of the American Fisheries Society urges

NY CHAPTER FISHERIES SOCIETY -1998

ACTUAL ACCOUNTS QUARTERLY BALANCES

ACCOUNT BALANCES	1-27-98 (Tim Sinnott)	3/31/98 BALANCES	6/30/98 BALANCES	9/30/98 BALANCES	12/31/98 BALANCES	ANNUAL MEETING
Checking (1/14/98)	\$4,123.38	1970.58	1915.08			
Saving (1/14/98)	7492.18	9614.43	9689.02			
CD 1 (11/6/97)	5225.43	5262.63	5262.63			
CD 2 (11/6/97)	5221.46	5292.99	5292.99			
TOTAL	\$22,062.45	\$22,140.63	\$22,159.72			

TCTC - NO INTEREST/NO FEES
TCTC - 3.1%
CD 1, TCTC 5.35%; 16 mo., matures 7-16-99
CD 2, National 5.21% mo., matures 1-26-99

AFS\budget98.wk1

*JH 7-28-98
ok'd by group
Right was for
1st. 2nd Quarter*

PROJECTED AND ACTUAL QUARTERLY INCOME AND EXPENSES

1998 BUDGET PROJECTED REVENUES	3/31/98	6/30/98	9/30/98	12/31/98	ANNUAL MEETING	Balance to-date of revenue	ANNUAL MEETING
						3/31/98	6/30/98
1999 Annual Meeting	\$0.00	\$0.00	\$0.00			\$0.00	\$0.00
1998 Membership Dues	1170.00	500.00				1170.00	1670.00
Interest	118.78	74.59				118.78	193.37
Raffle	0.00	0.00				0.00	0.00
1998 Workshop	0.00	0.00				0.00	0.00
TOTAL	\$1,288.78	\$574.59				\$1,288.78	\$1,863.37

PROJECTED EXPENDITURES	3/31/98	6/30/98	9/30/98	12/31/98	ANNUAL MEETING	Balance to-date balance of expenses
						3/31/98
1999 Annual Meeting	\$0.00	\$0.00				\$0.00
Office Supplies	65.90					65.90
Postage		348.75				0.00
Newsletter		191.75				0.00
Workshop	25.00					25.00
Donations		15.00				0.00
Stipends to best papers						0.00
Stipends to student at Annual Meeting						0.00
Raffle						0.00
NEE AFS Meeting - travel & expenses 1						0.00
AFS Annual Meeting-travel & expenses						0.00
Non projected telephone						0.00
Non projected student sub-unit, 1	117.59					117.59
TOTAL	\$208.49	\$555.50				\$208.49

1- Transfer to student sub-unit

AFS: budget98.wk3

7/24/98

New York Chapter American Fisheries Society EXCOMM
1997/98

<u>Officers</u>		<u>Telephone</u>	<u>FAX</u>	<u>Email</u>
President	Lars Rudstam	315 633 9243	315 633 2358	lgr1@Cornell.edu
Secretary-Treasurer	John Homa	607 533 8801	607 533 8804	
	Tim Sinnott	518 457 0758	518 485 8424	tim.sinnott@dec.mailnet .state.ny.us
President-elect	Margaret Murphy			murphyMH@obg.com
Past-president	Doug Stang	518 457 9436	518 485 5827	doug.stang@dec.mailnet .state.ny.us

Standing Committees

Audit/Finance	Tom Field	518 793 1282	518 793 1282
Environmental Concerns	Howard Simonin	315 337 0910	315 337 0988
Membership	Margaret Murhpy	315 437 6100	315 463 7554
Nominating	Doug Stang		
Program	Alan Peterson	607 762 7293	607 762 4005
Resolutions	Dave Bryson	607 753 9334	607 753 9699
	Don Stewart	315 470 6924	315 470 6934
	Bob Werner	315 470 6804	315 470 6779

Ad-hoc Committees

Professional Incentives	Paul McKeown	716 372 0645	716 372 2113	paul.mckeown.dec.mail net.state.ny.us
Newsletter	Tony Vandevalk	315 633 9243	315 633 2358	ajv6@cornell.edu
Workshop	Chris Lowie	716 691 5456	716 691 6154	
	Dave Lemon	607 753 3095	607 753 8532	
Student Affairs	Margaret Murphy	315 437 6100	315 463 7554	
	Dave Nettles	518 897 1333	518 897 1370	
Professional Diversity	Betty Lou Brett	716 389 2547		blbrett@naz.edu
Youth Education	Chris Lowie			
	Doug Carlson	315 785 2245	315 785 2242	



EUSTANCE & HOROWITZ, P.C.

CONSULTING ENGINEERS ■ LAND PLANNERS ■ LAND SURVEYORS

December 29, 1998

New York Chapter
American Fisheries Society
c/o Ichthyological Associates, Inc.
50 Ludlowville Road
Lansing, NY 14882-9023

Subject: Chapter Dues Statement
William E. Eustance, AFS 002272 ✓

Dear Sirs:

As the present time I am in possession of a 1999 American Fisheries Society dues card. Based on that, and the fact that Chapter dues are automatically billed by AFS, I trust that you should have received chapter dues for at least 1997 and 1998.

Thank you for your consideration.

Very truly yours,

EUSTANCE & HOROWITZ, P.C.

William E. Eustance, P.E.
Vice President

Enclosure:

WEE/je

afsdues/d329



AF
S **American Fisheries Society**
1999 Membership Card
Expires 12/31/99

Member Number 002272
Mr. William E. Eustance

5410 Grosvenor Lane * Suite 110 * Bethesda, MD 20814

Subj: John Home ~~AFS~~ student stuff
Date: 98-04-16 14:29:51 EDT
From: mjn14@cornell.edu (matt nemeth)
To: ialansing@aol.com

COPY

File: AFS_email4-1-98.doc (28672 bytes)
DL Time (28800 bps): < 1 minute

*I can't work with
our software*

John -

Thanks for responding to my phone inquiry last week. I'm looking forward to becoming active in NY AFS issues and am pretty motivated to bring this activity to the student chapter. Our Shackleton Point weekend on April 3 was a successful start - it mirrored a larger parent chapter meeting, in the sense that there was a lot of information exchanged, yet was pretty informal. I've gotten some pretty good feedback on it to date.

One of the first actions to take is simply to find out which people are even members of the NY student chapter. I'd also like to take advantage of what I see as some "field of interest" gaps in our memberships - there are a lot of undergrads in non-fisheries aquatic classes at Cornell, for example, whose future interests could certainly be bolstered by membership in AFS. Making the current student chapter valuable to its members and communicating this value to new ones is what I'd like to devote my energy to as prez.

I've included an email attachment that I sent out to our membership list immediately after the Shackleton Point weekend. It's a bit broad, but at least gives you a sense of three features that I see as important. The first step in all of this is to put together a brief (maybe 2-page) summary of the research topics discussed that weekend. I'd actually like to send this out in hard-copy form, since the general consensus is that it stands out better that way. I actually have grad student peers here at CU that delete anything from AFS because they assume it's just a job announcement.....

Printing and mailing this, however, will take a little money, which is why I was asking about how budgets work. The sooner I can learn the ropes, the more effective I can be. I also told you I'd leave you w/ my contact numbers, which are found below. I look forward to this upcoming year and would be delighted to discuss any comments, suggestions, or other thoughts you may have.

Thanks,

Matt

Matt Nemeth
Graduate Research Assistant, Fishery Science
Department of Natural Resources
Cornell University
Ithaca, NY 14853

phone: home - (607) 272-9385
office (607) 255-3191
fax (607)255-8837
email: mjn14@cornell.edu

May 12, 1998

MEMORANDUM

TO: Trish Milburn
Manager of Membership Services
American Fisheries Society
5410 Grosvenor Lane, Suite 110
Bethesda, MD 20814-2199

FROM: John Homa, Jr., Secretary/Treasure.
New York Chapter AFS

SUBJECT: Affiliate Members

Please find enclosed a hard copy of the membership list you requested, and a diskette file in WordPerfect.

If you have any questions feel free to call me at (607)533-8801.

cc: Margaret Murphy

JH/ji98:M-TM058
NY Chapter AFS

RECEIVED

APR 24 1998

AFS NYC



American Fisheries Society

5410 GROSVENOR LANE, SUITE 110 • BETHESDA, MARYLAND 20814-2199
(301) 897-8616, 897-8621 • FAX (301) 897-8096 • E-MAIL main@fisheries.org

WILLIAM W. TAYLOR
President 1997-1998

PAUL BROUHA
Executive Director

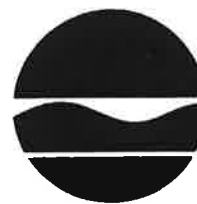
→ to John
Is it possible for you to
do this with the database?
Please let me know.
Thanks
Margaret

To: Chapter Presidents
From: Trish Milburn, Manager of Membership Services
Subject: Affiliate Members

Could you please supply me with a list/disk (WordPerfect secondary file) of members who belong to your chapter but do not belong to AFS. As part of my recruitment efforts this year I would like to target affiliate memberships.

Thank you for your assistance and if you have any questions please call me at (301) 897-8616, ext. 204.

New York State Department of Environmental Conservation
Division of Fish, Wildlife and Marine Resources
Bureau of Habitat, Room 576
50 Wolf Road, Albany, New York 12233-4756
(518) 457-0758



John P. Cahill
Commissioner

March 9, 1998

RECEIVED

Mr. John Homa
Ichthyological Associates
50 Ludlowville Road
Lansing, N.Y. 14882

MAR 11 1998

AFS NYC

Dear John:

Please find enclosed two checks: The CD that matured - \$5,262.63, and the balance from the checking account - \$1,637.07. Also enclosed is the last remaining paperwork from the old checking account.

Sincerely,

Timothy J. Sinnott
Biologist 2 (Ecology)
Standards and Criteria Unit Leader

February 5, 1998

MEMORANDUM

TO: Tim Sinnott
NY Chapter AFS

FROM: John Homa, Jr., Secretary/Treau.
New York Chapter AFS

For your information, I returned from the annual meeting with the following items:

- 1- money from the raffle in the amount of \$344.00
- 2- money for 3 banquet tickets (16.00 each) totaling \$48.00
- 3- student membership for the following totaling \$15.00

Melinda A. Gerken
Michael E. Spada
Andrew Carlson

See attached copy of registration forms

- 4- Registration for Betty Lou Brett for \$65.00
- 5- NY Chapter AFS check #0274 for \$1,000.00
- 6- Bank check #511238 for \$7,492.18

I returned with about twelve boxes of NYC AFS records, a two drawer file, and two metal lock boxes.

I deposited check #32735 from National AFS in the amount of \$1,075.00. This was NYC dues for the 3rd and 4th quarter of 1997 deposited with National.

It is my understanding that after you update the NYC membership list from attenders at the annual meeting, I will update the master list from the national list.

I will wait to hear from you to determine when I should apply for a bulk mailing permit.

NEW YORK STATE BOARD ON ELECTRIC
GENERATION SITING AND THE ENVIRONMENT

CASE 97-F-1563 - Application by Athens Generating Company, L.P.
for a Certificate of Environmental
Compatibility and Public Need to Construct and
Operate a 1,080 megawatt natural gas-fired
combined cycle combustion turbine generating
plant, in the Town of Athens, Greene County.

NOTICE OF FURTHER ADMINISTRATIVE CONFERENCE

(Issued February 10, 1998)

TAKE NOTICE that a further administrative conference
will be held before Examiner Stewart C. Boschwitz on Thursday,
March 5, 1998 beginning at 10:30 a.m., at the Commission's Albany
offices, Empire State Plaza, Swan Street Building, Core 4
(North), Third Floor, and continuing on the following day, if
necessary.

The principal purpose of the conference is to resolve
issues related to the proposed stipulations.

JOHN C. CRARY
Secretary

STATE OF NEW YORK

1391

1997-1998 Regular Sessions

IN SENATE

January 22, 1997

Introduced by Sen. MARCELLINO -- read twice and ordered printed, and when printed to be committed to the Committee on Environmental Conservation

AN ACT to amend the environmental conservation law, in relation to the drawing off of water from storage reservoirs

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

- 1 Section 1. Subdivision 5 of section 11-1321 of the environmental
2 conservation law is amended to read as follows:
3 5. No person owning, leasing, operating or maintaining a dam holding
4 back water which [he] such person knows or has reason to know is inhab-
5 ited by fish shall draw off such water in such quantities as to cause
6 directly the loss of a substantial number of fish within the impound-
7 ment, if [he] such person knows or has reason to know that such loss is
8 likely to occur, without the written permission of the department. The
9 [provision] provisions of this subdivision shall not apply, (a) to the
10 federal[, state or local governments] government or any agency or subdivi-
11 sion thereof, (b) to any [dam or impoundment used in the production of
12 electric power] hydropower project licensed by the Federal Energy Regu-
13 latory Commission pursuant to the Federal Power Act (16 U.S.C. 791a et
14 seq.); (c) in the event of an emergency, such as fire, flood, storm,
15 drought, and the like, where the drawing off of such impounded water is
16 required for public safety or public health, [or] (d) to any artificial
17 or man-made body of water lying wholly within the boundaries of private-
18 ly owned or leased lands and operated as a farm pond, licensed farm fish
19 pond, licensed fishing preserve water or licensed private trout or bass
20 hatchery, or (e) to any city having a population of one million or more.
21 § 2. This act shall take effect on the first day of January next
22 succeeding the date on which it shall have become a law.

EXPLANATION--Matter in italics (underscored) is new; matter in brackets [] is old law to be omitted.

LBD02992-01-7

*Passed by Senate
Not Amended*

BILL NUMBER: S1391

PURPOSE: To prevent the killing of fish caused by release and drawdowns from water storage reservoirs.

SUMMARY OF PROVISIONS: This bill amends the Environmental Conservation Law §11-1321(5) to prohibit the State or a local government which owns, leases, operates or maintains a dam holding back water known to be inhabited by fish from drawing off water in a manner which causes the loss of a substantial number of fish without the written permission of the Department of Environmental Conservation. Hydropower projects licensed by the Federal Energy Regulatory Commission, and cities having populations of one million or more are exempted from this prohibition.

JUSTIFICATION: ECL §11-1321(5) presently exempts the federal, State and local governments from the requirement of obtaining a DEC permit prior to causing fish kill by drawing off water from a storage reservoir. Artificial dams control the levels of water and rate of discharge in many bodies; there are over 5,500 dams listed in DEC's dam safety inventory. The problem is that thousands, sometimes millions of fish are killed each year by avoidable drawdowns of reservoirs for non-emergency situations, such as maintenance. These fish kills can often be avoided by simple methods, such as altering the season of the drawdown, using stoplogs or cofferdams around the work site instead of draining the lake, or slowing the rate of drawdown to avoid stranding fish. Unfortunately, some dam operators persist in causing unnecessary, avoidable fish kills rather than taking these simple steps.

Faced with a situation where a dam operator knows that a fish kill is likely to result, and the situation is not an emergency, private operators are required to get written permission from DEC before causing such a drawdown. However, State and local governments are exempted from this requirement, and consequently, have caused many of these avoidable fish kills.

This bill would require State and local government dam operators, except those of any city having a population of one million or more, to get DEC permission before initiating non-emergency actions that are likely to cause significant fish kills. The purpose for requiring DEC permission is that many times the objective can be accomplished without causing a fish kill. Getting permission from DEC provides the opportunity to avoid or minimize the fish kill, if possible. The ability to act without permission in times of emergency is not impaired.

LEGISLATIVE HISTORY: 1996: S.6213-A -- Passed Senate

FISCAL IMPLICATIONS: None

EFFECTIVE DATE: This act shall take effect on the first day of January next succeeding the date on which it shall have become a law.

DRAFT

Assemblyman Richard L. Brodsky
Legislative Office Building - Room 625
NYS Assembly
Albany, NY 12248

Dear Assemblyman Brodsky:

The New York Chapter of the American Fisheries Society is a professional organization composed of nearly 300 fisheries scientists, managers, consultants, and educators. We conduct annual scientific meetings, sponsor periodic fisheries related workshops, and work to promote the conservation and wise use of our fisheries resources. We know that as chairman of the Environmental Conservation Committee of the Assembly, you share many of our concerns regarding conservation of our natural resources.

We are writing to urge you to support a bill which passed the Senate as S.1391 - "An act to amend the environmental conservation law, in relation to the drawing off of water from storage reservoirs." We know that you have introduced similar legislation in the past, and would ask that you please introduce and support this bill in the Assembly. There is an important need to protect the fish populations of New York's many state and local reservoirs, and this bill would make an important step in moving in that direction.

We believe that the passage of this bill would help eliminate the periodic fish kills that have occurred in state reservoirs and help to preserve fish populations in these waters. The operation of these reservoirs needs to include consideration and wise management of the fish and wildlife which depend on this environment.

Thank you for your attention to this important matter and for your consideration of these comments.

Sincerely,

Margaret Murphy
President, NYS Chapter
American Fisheries Society

NEW YORK CHAPTER, AMERICAN FISHERIES SOCIETY

EXCOM MEETING; OWEGO, NY

JANUARY 29, 1998; 1900 - 2100 HOURS

Present: Lars Rudstam, Doug Stang, Margaret Murphy, Tim Sinnott, Bob Carline, Howard Simonin, Dave Bryson, Allen Peterson, Betty Lou Brett, Paul McKeown, Chris Lowie, John Farrell, John Homa, Jr.

Meeting minutes from the November 14, 1997 were reviewed and accepted without modification.

Treasurer Reports for the last quarter and last year were presented by Sinnott and reviewed and accepted without modification.

- Of note:
- 1) Assets of chapter decreased \$2181.73 in 1997, most of the loss was due to 1997 annual meeting.
 - 2) Sinnott will maintain control of CD-1 until it matures in February 1998, and then transfer to Homa
 - 3) Sinnott will maintain control of CD-2 until it matures in 1999, and then transfer to Homa
 - 4) Sinnott transferred assets (\$7492.18) of savings account to Homa at the meeting
 - 5) Sinnott transferred \$1000.00 of checking account to Homa to use to open new account
 - 6) Sinnott will maintain present checking account to be used to cover the expenses of the 1998 annual meeting and then will transfer balance to Homa.
 - 7) Sinnott transferred several boxes of AFSNYC materials and records to Homa for safe keeping
 - 8) Tom Fields was not able to attend the annual meeting therefore, Rudstam attested that the AFSNYC checking account passed his audit (with the explanation that there appears to be an extra, unaccounted for \$15.00 in the account.

Homa requested that the board approve a General Corporate Resolution to allow him to open bank accounts in the name of New York Chapter American Fisheries Society at the Tompkins County Trust Company, Ithaca, NY. The accounts will require only one signature (either the chapter Secretary/Treasurer or President). The signature card will be updated annually to include the current Secretary/Treasurer and President.

Motion: Rudstam, Second: Murphy, In Favor: All, Nays: None

Sinnott indicated it may be worthwhile to commission someone to compile a history of the chapter. Discussion indicated a \$500 stipend may be appropriate. Potentially a student or retired chapter member may be appropriate. Peterson indicated it may be appropriate to agree on guidelines for contents of the chapter history. Homa indicated he would prepare a request for interested persons in the Newsletter but needed additional direction from the Excom committee.

Action: Tabled till next Excom Meeting.

COMMITTEE REPORTS

Environmental Concerns - Dave Bryson

Little new information, reviewed previous work.

Annual Meeting - Betty Lou Brett

Going well, programs printed, all invited speakers will be present except J. Calhoun, who's wife will undergo eye surgery tomorrow, Tim Sinnott will present Calhoun's paper.

Annual Meeting Facilities - Allen Peterson

Good shape for next two days.

Parent Society -- Bob Carline

If any member has problems/questions/concerns/ideas feel free to call Carline.

National Second Vice President nominees are Ken Beal and Donna Turgeon.

Wants input concerning Parent society rebates to chapters (\$2/person) and division (\$7/person). National bylaws require division rebates, but were waived for two years and parent society needs input, as action is needed on bylaws.

Excom discussion indicated that the NYC is presently financially viable and rebate is not essential as rebate income is approximately \$520/yr (or 5% of our budget). Excom suggestions included: (1) decrease in parent dues, (2) use rebate for approximately two years to build a fund to be used as seed/grant/revolving fund money from which workshops or other

chapter or division needs could be funded, or (3) a combination of 1 and 2.

Parent society believes Professional Development/ Certification will only be important if there is recognition of the achievement consistently at the state and employer levels.

Workshop - Chris Lowie

97' workshop went well with profit.

Dave Lemon and Dan Bishop looking at statistics workshop in 98'.

It was noted that in mid 80's workshops were discontinued, lack of attendance and lost money. However, workshops have been money makers since their reinstatement in 1991. Also up front money for workshops are available from the NED.

Status of Committee Chairs - Margaret Murphy

Newsletter -- John Farrell has volunteered to be the NYC newsletter editor to replace the current newsletter editor Tony VanDeValk---. Professional Incentive --- will need replacement for Paul McKewon Professional diversity -- will need replacement for Betty Lou Brett who plans on moving to Ohio this year.

COMMITTEE REPORTS

Environmental Concerns -- Howard Simonin

Some potential issues on horizon, will keep Excom informed.

Resolutions -- Dave Bryson

None past year. However, NYSDEC (D. Sheppard) working on instream policy for winter withdrawals.

During year had sent letters concerning Wallop Breau and Teaming for Wildlife.

Professional Incentive -- Paul McKewon

Three nomination this year for Professional Achievement Award
Clif Schneider, Carl Schofield, Richard Colesante

Motion that Jim Haynes, Brockport be nominated for next year.
Motion: Passed.

Newsletter -- John Farrell

Will work with Tony VanDeValk----for first issue. Deadline is March 30. Needs feature articles.

Student Affairs/Student Subunit -- Margaret Murphy

CU most interest, EFS some interest, will continue to try to contact Brockport, St. Lawrence, Cobleskill, Finger Lakes Community College. Approximately 25 members will have meeting following banquet. Will continue to involve other schools besides primarily Cornell and ESF.

Professional Diversity -- Betty Lou Brett

This year notables are: woman chapter president, woman annual meeting Chain, women invited speaker. However, women and minorities in chapter are present in relatively low numbers but women are more prevalent in student subunit.

Youth Education -- Chris Lowie

Steve Brown was hired as SAREP director; Doug Carlson had some indirect input into search and selection. Chapter donated \$100 to Parent Society toward Program to review youth curriculum programs, and \$100 to Skinner Memorial Fund. SAREP will be present in 6 stop tour of Nine Mile Creek in May.

OTHER ISSUES

Allen Peterson is concerned that Utility R&D Funds that have historically been responsible for much fisheries research (acid rain, impingement, etc.) will be under control of NYSERDA and that ESEERCO would be a much better choice. Allen will provide update.

Betty Lou Brett concerned that newsletter should be used as better advertisement of chapter efforts. Suggestions included mailing to state (or other) representatives.

Betty Lou Brett will provide John Ferrall article concerning annual meeting.

No additional business, motion to close.
Motion: Passed

JH98-01/AFS-018b/afs-018c-revised with 4-22-98 comments

*Final - MASTER COPY
with 7-28-98 comments*

NEW YORK CHAPTER, AMERICAN FISHERIES SOCIETY
ANNUAL BUSINESS MEETING; OWEGO, NY
JANUARY 30, 1998; 1550 - 1655 HOURS

Opening --Lars Rudstam, Chapter President opened the meeting and welcomed all attending members.

1997 Annual Meeting Minutes --January 1997 Annual Meeting Minutes were presented by T. Sinnott and approved by the attending members.

1997 Treasurer Report -- the report for the last year was presented by T. Sinnott and reviewed and accepted without modification.

Old Business -- None

New Business --

Audit and Finance -- T. Fields unable to attend. L. Rudstam indicated that he had examined and audited chapter business accounts and found them to be in order.

Parent Society -- Bob Carline

If any member has problems/questions/concerns/ideas feel free to call Carline.

National Second Vice President nominees are Ken Beal and Donna Turgeon.

Wants input concerning Parent society rebates to chapters (\$2/person) and division (\$7/person). National bylaws require division rebates, but were waived for two years and parent society needs input, as action is needed on bylaws. Excom discussion indicated that the NYC is presently financially viable and rebate is not essential as rebate income is approximately \$520/yr (or 5% of our budget). Excom suggestions included: (1) decrease in parent dues, (2) use rebate for approximately two years to build a fund to be used as seed/grant/revolving fund money from which workshops or other chapter or division needs could be funded, or (3) a combination of 1 and 2.

Parent society believes Professional Development/ Certification will only be important if there is recognition of the achievement consistently at the state and employer levels.

Parent is investigating electronic publication, perhaps this will be a reality within two years.

AFS National 2000 is making good progress for its year 2000 capital fund drive.

AFS Nation meeting will be at Hartford, Conn on August 23-27, 1998.

NE Fish and Wildlife Conference will be at Camp Hill, PA. May 3-6, 1998.

AFS New York Chapter - Committee Changes

John Farrell will replace Tony VanDeValk as newsletter editor. The chapter is also looking for replacements for Paul McKeown, Professional Incentives and Betty

Lou Brett, Program

Committee Reports

Workshop -- Dave Lemon. 97 Workshop was Boat Safety and Navigation held in Cortland which was attended by 59 individuals. 98 Workshop will be statistics for fisheries professionals taught by Steve Stehman ESF.

Environmental Concerns - Howard Simonin. Limited activity, open to input.

Membership -- Margaret Murphy. 304 members, is working to increase student membership.

Annual Meeting -- Betty Lou Brett. The 1998 annual meeting is a success, all invited speakers are present except J. Calhoun, due to a family health emergency.

Resolutions -- Dave Bryson. None past year. However, NYSDEC (D. Sheppard) working on instream policy for winter withdrawals. During year had sent letters concerning Wallop Breau and Teaming with Wildlife.

Professional Incentive -- Paul McKeown. Three nomination this year for Professional Achievement Award: Clif Schneider, Carl Schofield, Richard Colesante Motion that Jim Haynes, Brockport be nominated for next year.

Newsletter -- L. Rudstam indicated that Tony VanDeValk had done an excellent job and that John Farrell the new editor will work with Tony to get the first issue out. The deadline for submittal is March 30.

Student Affairs/Student Subunit -- Margaret Murphy. Cornell has shown the most interest, Syracuse ESF has also shown some interest. Margaret will continue to try to contact Brockport, St. Lawrence, Cobleskill, Finger Lakes Community College. Approximately 25 student members will have meeting following chapter banquet. Will continue to involve other schools.

Professional Diversity -- Betty Lou Brett. This year notables are: woman chapter president, woman annual meeting Chair, women invited speaker. However, women and minorities in chapter are present in relatively low numbers, but women are more prevalent in student subunit.

Youth Education -- Chris Lowie. Steve Brown was hired as SAREP director; Doug Carlson had some indirect input into search and selection. Chapter donated \$100 to Parent Society toward Program to review youth curriculum programs, and \$100 to Skinner Memorial Fund.

ANNUAL ELECTIONS

Allen Peterson and Dave Bryson were nominated for chapter president, after ballots were counted it was determined that Allen Peterson will serve as Chapter President in 1999.

L. Rudstam thanked all committee members for their support in serving the AFS NYC, and T. Sinnott who has served as Secretary/Treasurer for 6 years.

Past Presidents escorted the New Chapter President, Margaret Murphy to the podium where she began her duties as the Chapter President for 1998. L. Rudstam was acknowledged for his past leadership.

1998 Annual Budget

The 1998 annual budget was presented and accepted (copy attached).

No additional business, motion to close was made and passed and the Annual Meeting was adjourned at 1655 hours.

JH98-01/AFS-018e = Revised with 7-28-98 Excom comments.

1998 Budget - NYC American Fisheries Society

Balances

Checking (1/14/98)	\$4,082.56
Savings (1/14/98)	\$7,492.18
Certificates (11/6/97)	\$5,157.27
	<u>\$5,154.51</u>
Total	\$21,886.52

Projected Revenues

1999 Annual Meeting	\$7000
1998 Membership Dues	\$2500
Interest	\$1200
Raffle	\$650
1998 Workshop	<u>\$5000</u>
TOTAL	\$16,350

Projected Expenditures

1999 Annual Meeting	\$8000
Office Supplies	\$100
Postage	\$450
Newsletter	\$700
Workshop	\$4500
Donations	\$300
Stipends to best papers	\$300
Stipends to Student at Annual Meeting	\$250
Raffle	\$200
NED AFS Meeting - Travel and Expenses	\$550
AFS Annual Meeting - Travel and Expenses	<u>\$1000</u>
TOTAL	\$16,350

1998 Budget - NYC American Fisheries Society

Balances

Checking (1/14/98)	\$4,082.56
Savings (1/14/98)	\$7,492.18
Certificates (11/6/97)	\$5,157.27
	<u>\$5,154.51</u>
Total	\$21,886.52

Projected Revenues

1999 Annual Meeting	\$7000
1998 Membership Dues	\$2500
Interest	\$1200
Raffle	\$650
1998 Workshop	<u>\$5000</u>
TOTAL	\$16,350

Projected Expenditures

1999 Annual Meeting	\$8000
Office Supplies	\$100
Postage	\$450
Newsletter	\$700
Workshop	\$4500
Donations	\$300
Stipends to best papers	\$300
Stipends to Student at Annual Meeting	\$250
Raffle	\$200
NED AFS Meeting - Travel and Expenses	\$550
AFS Annual Meeting - Travel and Expenses	<u>\$1000</u>
TOTAL	\$16,350



NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY
 c/o NYSDEC, Room 530, 50 Wolf Road, Albany, New York 12233-4756

1997 Annual Treasurer's Report
 Prepared 27 January 1998

	Checking	Savings	CD1	CD2	Total
Balance 1/28/97	\$7073.12	6439.43	10731.63	0.00	24244.18
Receipts					
Memberships	1733.00				1733.00
Interest	60.93	216.91	329.64	221.46	828.94
1997 Annual Meeting	6213.50				6213.50
1997 Workshop	3310.00				3310.00
Transfer from CD1		835.84		5000.00	5835.84
Error correction in checkbook	22.50				22.50
Receipts subtotal	11339.93	1052.75	329.64	5221.46	17943.78
Expenditures					
1997 annual meeting	8859.44				8859.44
Award plaques	80.00				80.00
Student function	45.10				45.10
Donations	772.50				772.50
1996 Workshop	3113.64				3113.64
Travel to Parent Society mtg	444.25				444.25
1998 Raffle	60.40				60.40
Newsletter printing	614.95				614.95
Postage & mail-related	299.39				299.39
Transfer from CD1			5835.84		5835.84
Expenditures subtotal	14289.67	0.00	5835.84	0.00	20125.51
Annual subtotals	-2949.74	+1052.75	-5506.20	+5221.46	-2181.73
Balance as of 1/27/98	\$4123.38	\$7492.18	5225.43	5221.46	22062.45

Respectfully submitted,

Timothy J. Sinnott
 Secretary/Treasurer
 NY Chapter, AFS

NYC AFS BANKING WORKSHEET

acct #

CHECKING SAVING CD 1 CD2 TOTAL

3198082 020 020 9000902251090009025507 TCTC Bank of America SPT nt / Bond

BALANCE 1/28/97

\$4,123.38 \$7,492.18 \$5,225.43 \$5,221.46 \$22,062.45

RECEIPTS

Jan-98 Error in checking Bank has \$15.63 more than recorded	\$15.63				\$15.63
31-Jan-98 Albany Saving Bank ck #0274 to NYC AFS %JH	-1000.00				(\$1,000.00)
26-Jan-98 Close Albank saving acct #39819172 bank ck to NYC A		-7492.18			(\$7,492.18)
26-Feb-98 CD 1 interest earned			37.20		\$0.00
27-Feb-98 Close out CD 1 and send bank check #910182 to NYC A			-5262.63		(\$5,262.63)
Feb-98 Misc. expenses	-748.13				(\$748.13)
Jan/Feb-98 Earned interest	3.53				\$3.53
Feb-98 Misc. Deposits	559.00				\$559.00
02-Feb-98 Deposit	3990.00				\$3,990.00
12-Feb-98 Owego Tredway Inn annual meeting	-5211.93				(\$5,211.93)
29-Jan-98 Betty L. Brett	-218.70				(\$218.70)
26-Feb-98 Deposit	120.00				\$120.00
Feb/Mar-98 Earned interest 3.79	3.79				\$3.79
01-Apr-98 Difference in bank statement \$.50 ???	0.50				\$0.50
04-Mar-98 Close Albank #03198082 bank ck #516675 to NYC AFS %	-1637.07				(\$1,637.07)
01-Apr-98 Earned interest				67.56	\$67.56
01-Apr-98 Difference in CD#2 bal. from bank notice (+3.97) ??				3.97	\$3.97

BANK BALANCES

\$0.00 \$0.00 \$0.00 \$5,292.99 \$5,292.99

NEW YORK CHAPTER AMERICAN FISHERIES SOCIETY
 Tim Sennott treasurer prior to Jan 1998 annual meeting

* matures Jan. 26, 1999

AFS-NYC98\bank98.WK3

NYC AFS BANKING T.C.T.Co. Ithaca, NY John Homa, Jr. secretary treasurer	acct #	CHECKING	SAVING	CD 1	CD	TOTAL TO-DATE
		1101137699	1410113769	3360555	90009025507	
				T.C.T.Co. Ballston Spa_		
BALANCE 2/01/98		\$0.00	\$0.00	\$0.00	\$5,221.46	\$5,221.46
=====						
RECEIPTS						
30-Jan-98 Annual meeting raffle tickets/3 banquet tickets/mem		472.00				\$472.00
31-Jan-98 Check #274 drawn on Albank, 1998 cues			1000.00			1472.00
22-Jan-98 From National AFS NYS dues. ck #32735			1075.00			2547.00
26-Jan-98 Albank #39819172 bank ck511238 /closed old saving a			7492.18			10039.18
17-Feb-98 Membership (5)		50.00				10089.18
27-Feb-98 Membership (2)		20.00				10109.18
28-Feb-98 Earned interest			21.97			10131.15
04-Mar-98 Transfer from Albank ck #516675-close acct.		1637.07				11768.22
13-Mar-98 Albank ck #511238 for 16 months CD/replaced old CD				5262.63		17030.85
31-Mar-98 Interest			25.28			17056.13
01-Apr-98 Interest					71.53	17127.66
30-Apr-98 Interest			24.53			17152.19
19-May-98 Membership (6)		60.00				17212.19
26-May-98 Membership (paid thru National AFS)		440.00				17652.19
31-May-98 Interest			25.41			17677.60
30-Jun-98 Interest			24.65			17702.25
01-Jul-98 Interest					69.19	17771.44
31-Jul-98 Interest			25.54			17796.98
31-Aug-98 Interest			25.05			17822.03
07-Aug-98 Membership		10.00				17832.03
25-Sep-98 Membership		20.00				17852.03
30-Sep-98 Interest			24.04			17876.07

Receipts sub-total		\$2,709.07	\$9,763.65	\$5,262.63	\$5,362.18	\$23,097.53

EXPENDITURES						
03-Feb-98 American Fisheries Soc --plaque/certificates		25.00				\$25.00
09-Feb-98 Grover StamPrint --rubber stamps		49.40				74.40
19-Mar-98 T.C.T.Co. --checks		16.50				90.90
30-Mar-98 Margaret Murphy --AFS student sub-unit meeting -foo		117.59				208.49
18-Apr-98 Gnomons Copy Center; Spring 1998 newsletter		191.75				400.24
24-Apr-98 US Post Office; stamps		178.75				578.99
28-Apr-98 US Post Office; bulk mail/annual fees		170.00				748.99
04-May-98 Doug Stang; raffle		15.00				763.99
24-Aug-98 Gnomon Copy - Summer Newsletter		97.35				861.34
25-Aug-98 US Postmaster- newsletter postage		44.55				905.89
04-Sep-98 Allen Peterson - raffle exp		23.20				929.09
=====						
Expenditures sub-total		\$929.09	\$0.00	\$0.00	\$0.00	\$929.09

BALANCE as of 9/30/98		\$1,779.98	\$9,763.65	\$5,262.63	\$5,362.18	\$22,168.44

AFS-NYC98:\bank98.wk3
10/7/98

COPY

NYC AFS BANKING T.C.T.Co. Ithaca, NY John Homa, Jr. secretary treasurer	acct #	CHECKING	SAVING	CD 1	CD	TOTAL TO-DATE
	1101137699	1410113769	3360555	90009025507	T.C.T.Co. Ballston Spa_	
BALANCE 2/01/98		\$0.00	\$0.00	\$0.00	\$5,221.46	\$5,221.46
=====						
RECEIPTS						
30-Jan-98 Annual meeting raffle tickets/3 banquet tickets/mem		472.00				\$472.00
31-Jan-98 Check #274 drawn on Albank, 1998 cues			1000.00			1472.00
22-Jan-98 From National AFS NYS dues. ck #32735			1075.00			2547.00
26-Jan-98 Albank #39819172 bank ck511238 /closed old saving a			7492.18			10039.18
17-Feb-98 Membership (5)		50.00				10089.18
27-Feb-98 Membership (2)		20.00				10109.18
28-Feb-98 Earned interest			21.97			10131.15
04-Mar-98 Transfer from Albank ck #516675-close acct.		1637.07				11768.22
13-Mar-98 Albank ck #511238 for 16 months CD/replaced old CD				5262.63		17030.85
31-Mar-98 Interest			25.28			17056.13
01-Apr-98 Interest					71.53	17127.66
30-Apr-98 Interest			24.53			17152.19
19-May-98 Membership (6)		60.00				17212.19
26-May-98 Membership (paid thru National AFS)		440.00				17652.19
31-May-98 Interest			25.41			17677.60
30-Jun-98 Interest			24.65			17702.25

Receipts sub-total		\$2,679.07	\$9,689.02	\$5,262.63	\$5,292.99	\$22,923.71

EXPENDITURES						
03-Feb-98 American Fisheries Soc --plaque/certificates		25.00				\$25.00
09-Feb-98 Grover StamPrint --rubber stamps		49.40				74.40
19-Mar-98 T.C.T.Co. --checks		16.50				90.90
30-Mar-98 Margaret Murphy --AFS student sub-unit meeting -foo		117.59				208.49
18-Apr-98 Gnomons Copy Center; Spring 1998 newsletter		191.75				400.24
24-Apr-98 US Post Office; stamps		178.75				578.99
28-Apr-98 US Post Office; bulk mail/annual fees		170.00				748.99
04-May-98 Doug Stang; raffle		15.00				763.99

Expenditures sub-total		\$763.99	\$0.00	\$0.00	\$0.00	\$763.99

BALANCE as of 6/30/98		\$1,915.08	\$9,689.02	\$5,262.63	\$5,292.99	\$22,159.72

AFS-NYC98:\bank98.wk3

NYC AFS BANKING T.C.T.Co. Ithaca, NY John Homa, Jr. secretary treasurer	acct #	CHECKING	SAVING	CD 1	CD	TOTAL
	1101137699	1410113769	3360555	90009025507	T.O-DATE	
			T.C.T.Co.	Ballston Spa_		
BALANCE 2/01/98		\$0.00	\$0.00	\$0.00	\$5,221.46	\$5,221.46
=====						
RECEIPTS						
30-Jan-98 Annual meeting raffle tickets/3 banquet tickets/mem		472.00				\$472.00
31-Jan-98 Check #274 drawn on Albank, 1998 cues			1000.00			1472.00
22-Jan-98 From National AFS NYS dues. ck #32735			1075.00			2547.00
26-Jan-98 Albank #39819172 bank ck511238 /closed old saving a			7492.18			10039.18
17-Feb-98 Membership (5)		50.00				10089.18
27-Feb-98 Membership (2)		20.00				10109.18
28-Feb-98 Earned interest			21.97			10131.15
04-Mar-98 Transfer from Albank ck #516675-close acct.		1637.07				11768.22
13-Mar-98 Albank ck #511238 for 16 months CD/replaced old CD				5262.63		17030.85
31-Mar-98 Interest			25.28			17056.13
01-Apr-98 Interest					71.53	17127.66
30-Apr-98 Interest			24.53			17152.19
19-May-98 Membership (6)		60.00				17212.19
26-May-98 Membership (paid thru National AFS)		440.00				17652.19
31-May-98 Interest			25.41			17677.60
Receipts sub-total		\$2,679.07	\$9,664.37	\$5,262.63	\$5,292.99	\$22,899.06
=====						
EXPENDITURES						
03-Feb-98 American Fisheries Soc --plaque/certificates		25.00				\$25.00
09-Feb-98 Grover StamPrint --rubber stamps		49.40				74.40
19-Mar-98 T.C.T.Co. --checks		16.50				90.90
30-Mar-98 Margaret Murphy --AFS student sub-unit meeting -foo		117.59				208.49
18-Apr-98 Gnomons Copy Center; Spring 1998 newsletter		191.75				400.24
24-Apr-98 US Post Office; stamps		178.75				578.99
28-Apr-98 US Post Office; bulk mail/annual fees		170.00				748.99
04-May-98 Doug Stang; raffle		15.00				763.99
Expenditures sub-total		\$763.99	\$0.00	\$0.00	\$0.00	\$763.99
=====						
BALANCE as of 5/31/98		\$1,915.08	\$9,664.37	\$5,262.63	\$5,292.99	\$22,135.07
=====						

AFS-NYC98:\bank98.wk3

NYC AFS BANKING T.C.T.Co. Ithaca, NY John Homa, Jr. secretary treasurer	acct #	CHECKING	SAVING	CD 1	CD	TOTAL TO-DATE
	1101137699	1410113769	3360555	90009025507	T.C.T.Co. Ballston Spa_	
BALANCE 2/01/98		\$0.00	\$0.00	\$0.00	\$5,221.46	\$5,221.46
RECEIPTS						
30-Jan-98 Annual meeting raffle tickets/3 banquet tickets/mem		472.00				\$472.00
31-Jan-98 Check #274 drawn on Albank, 1998 cues			1000.00			1472.00
22-Jan-98 From National AFS NYS dues. ck #32735			1075.00			2547.00
26-Jan-98 Albank #39819172 bank ck511238 /closed old saving a			7492.18			10039.18
17-Feb-98 Membership (5)		50.00				10089.18
27-Feb-98 Membership (2)		20.00				10109.18
28-Feb-98 Earned interest			21.97			10131.15
04-Mar-98 Transfer from Albank ck #516675-close acct.		1637.07				11768.22
13-Mar-98 Albank ck #511238 for 16 months CD/replaced old CD				5262.63		17030.85
31-Mar-98 Interest			25.28		71.53	17127.66
Receipts sub-total		\$2,179.07	\$9,614.43	\$5,262.63	\$5,292.99	\$22,349.12
EXPENDITURES						
03-Feb-98 American Fisheries Soc --plaque/certificates		25.00				\$25.00
09-Feb-98 Grover StamPrint --rubber stamps		49.40				74.40
19-Mar-98 T.C.T.Co. --checks		16.50				90.90
30-Mar-98 Margaret Murphy --AFS student sub-unit meeting -foo		117.59				208.49
Expenditures sub-total		\$208.49	\$0.00	\$0.00	\$0.00	\$208.49
BALANCE as of 1/1/98		\$1,970.58	\$9,614.43	\$5,262.63	\$5,292.99	\$22,140.63

3-70

NYC AFS BANKING T.C.T.Co. Ithaca, NY John Homa, Jr. secretary treasurer	acct #	CHECKING	SAVING	CD 1	CD	TOTAL TO-DATE
		1101137699	1410113769	3360555	90009025507	T.C.T.Co. Ballston Spa_
BALANCE 2/01/98		\$0.00	\$0.00	\$0.00	\$5,221.46	\$5,221.46
=====						
RECEIPTS						
30-Jan-98 Annual meeting raffle tickets/3 banquet tickets/mem		472.00				\$472.00
31-Jan-98 Check #274 drawn on Albank, 1998 cues			1000.00			1472.00
22-Jan-98 From National AFS NYS dues. ck #32735			1075.00			2547.00
26-Jan-98 Albank #39819172 bank ck511238 /closed old saving a			7492.18			10039.18
17-Feb-98 Membership (5)		50.00				10089.18

Receipts sub-total		\$522.00	\$9,567.18	\$0.00	\$5,221.46	\$15,310.64

EXPENDITURES						
03-Feb-98 American Fisheries Soc --plaque/certificates		25.00				\$25.00
09-Feb-98 Grover StamPrint --rubber stamps		49.40				74.40

Expenditures sub-total		\$74.40	\$0.00	\$0.00	\$0.00	\$74.40

BALANCE as of 2/28/98		\$447.60	\$9,567.18	\$0.00	\$5,221.46	\$15,236.24

Subj: Re: Mid-Year Reports--New Deadline of Feb. 11
Date: 98-02-05 12:19:01 EST
From: lgr1@cornell.edu (Lars Rudstam)
To: dparrish@nature.snr.uvm.edu (Donna Parrish)
CC: MurphyMH@obg.com (Margaret Murphy), ampeterson@nyseg.com, ialansing@aol.com

File: CHAPTE~1.DOC (37888 bytes)
DL Time (28800 bps): < 1 minute

Donna,
attached is our report
Lars
Also in text from below.
Chapter Report

New York Chapter

February 10, 1997

Officers: Margaret Murphy, President
Allen Peterson, President-Elect
Lars Rudstam, Past President
John Homa, Secretary-Treasurer

Highlights of Chapter Activities 1997/98

The New York chapter sponsored a workshop September 26 - 27 on boating safety and navigation in Cortland, NY. Dave Lemon did an excellent job organizing the workshop. 59 participants spent a day and a half learning the rules of the sea through the Power Squadron. All attendees passed the certification exam later that night. This course will also serve for Department of Conservation boating certification requirements if such requirements are implemented.

The student subunit led by Margaret Murphy held a retreat at Shackelton Point in May 1997, and discussed future activities at the annual meeting. We are striving to include more students and more student activities in the chapter program. A student conference is planned for 1998.

The Annual meeting was held in Owego, New York, January 29-31. The theme of the meeting was water quality and fisheries. A plenary session organized by Betty Lou Brett included talks by Barbara Knuth, Jim Haynes, Issac Wirgin, George Noguchi, Tim Sinnott/Jim Calquhoun, Joe Buttner, and Jim Gillett. Betty Lou Brett summarized the session. Discussions during the day revolved around Public attitudes, endocrine disrupters, genetics, immune functions, policy of how "clean is clean", water quality and aquaculture and environmental risk assessment. There were many questions after each talk. Posters were presented after the business meeting and contributed talks the following day. The five posters and 12 contributed talks show an increasing interest by the New York chapter members to present their material at the annual meeting. Best paper awards went to Allen Peterson (professional, the contribution of sediment mats to maintenance of water quality in sensitive fisheries: a four-year retrospective) and Mindy Gerken (student, Creel survey of Oneida Lake, co-authors Tony VanDeValk, Brian Young, Lars Rudstam) and Owen Baird (student, Behavioral thermoregulation: comparison of brook trout and rainbow trout in an Adirondack River, co-author Chuck Krueger). Best poster award went to Jason Toner and Peter VanDusen for "Aquatic

copy

John,
I downloaded this but I couldn't access it in Word. It maybe a higher level of word than we have or ~~not~~ word. I can try to read it at I can e-mail him back and ask him (Lars) to save it as something lower. Let me know.

I don't know how much of the attached file is also below in message LYNN

Date: Thu, 5 Feb 1998 12:18:15 -0500 (EST)
Message-Id: <199802051718.MAA11873@comell.edu>
Sender: lgr1@postoffice3.mail.comell.edu
X-Mailer: Windows Eudora Version 2.0.3
Mime-Version: 1.0
Content-Type: multipart/mixed; boundary="====_886706588==_"
To: "Donna Parrish" <dparrish@nature.snr.uvm.edu>
From: lgr1@comell.edu (Lars Rudstam)
Subject: Re: Mid-Year Reports--New Deadline of Feb. 11
Cc: Margaret Murphy <MurphyMH@obg.com>, ampeterson@nyseg.com,
ialansing@aol.com
X-Attachments: C:\ALARSDATA\AFS\CHAPTE~1.DOC;

READ AND LANIADO, LLP

ATTORNEYS AT LAW
25 EAGLE STREET
ALBANY, NEW YORK 12207-1901
(518) 465-9313

TELEFAX NO.
(518) 465-9315

KEVIN R. BROCKS
CRAIG M. INDYKE
SAM M. LANIADO
HOWARD J. READ

DAVID B. JOHNSON

Via Hand Delivery

January 21, 1998

Hon. John C. Crary
Secretary
New York State Public Service Commission
Three Empire State Plaza
Albany, New York 12223-1350

Re: Petition of Athens Generating Company, L.P. For A Declaratory Ruling That The Commission's Competitive Initiatives Constitute An Approved Capacity Procurement Process, That Said Process is Reasonably Consistent With the 1994 State Energy Plan and That The Proposed Athens Generating Facility Has Been Selected Pursuant to an Approved Procurement Process.

Dear Secretary Crary:


Enclosed please find for filing an original and five copies of the Petition of Athens Generating Company, L.P. For A Declaratory Ruling. Athens Generating Company respectfully requests expeditious consideration of the instant Petition.

Copies have been served on the attached service list.

Respectfully submitted,

READ AND LANIADO, LLP
Attorneys for Athens
Generating Company, L.P.

By:


Sam M. Laniado

JAN 21 1998

Public Service Commission
ALBANY, NEW YORK

Of Counsel:
Scott M. Turner
Richard M. Cogen
Nixon, Hargrave, Devans & Doyle, LLP
One KeyCorp Plaza
Albany, New York 12207

SML/klh
Enclosures

cc: via First Class Mail to
attached Service List

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Athens, New York 12015

Ms. Pat
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D.R. Everts Library *Everts Library*
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Athens, New York 12015

Patricia A. McLoughlin
Town of Athens
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New York State Dept. of Health
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Albany, New York 12231

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Patrice Faupel Magliocca
16 Country Club Est.
Catskill, New York 12414

STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

Petition of Athens Generating Company, L.P. For A Declaratory Ruling That The Commission's Competitive Initiatives Constitute An Approved Capacity Procurement Process, That Said Process is Reasonably Consistent With the 1994 State Energy Plan and That The Proposed Athens Generating Facility Has Been Selected Pursuant to an Approved Procurement Process.

PETITION

Sam M. Laniado, Esq.
READ AND LANIADO, LLP
Attorneys for
Athens Generating Company, L.P.
25 Eagle Street
Albany, NY 12207-1901
(518) 465-9313

Dated: January 21, 1998
Albany, New York.

Of Counsel:
Scott M. Turner, Esq.
Richard M. Cogen, Esq.
Nixon, Hargrave, Devans & Doyle, LLP
One KeyCorp Plaza
Albany, New York 12207
(518) 427-2650

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STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

Petition of Athens Generating Company, L.P. For A Declaratory Ruling That The Commission's Competitive Initiatives Constitute An Approved Capacity Procurement Process, That Said Process is Reasonably Consistent With the 1994 State Energy Plan and That The Proposed Athens Generating Facility Has Been Selected Pursuant to an Approved Procurement Process.

PETITION

Introduction

Athens Generating Company, L.P. (AGC), a wholly owned indirect subsidiary of U.S. Generating Company, LLC, is developing a 1080 megawatt (MW) gas-fired electric power plant in Athens, New York (Athens Energy Facility). The plant will operate on a merchant basis, *i.e.*, it will not seek recovery of costs from ratepayers under the Public Service Law (PSL) nor will it operate as a qualifying facility (QF) and seek a contract under the Public Utility Regulatory Policies Act of 1978. AGC has commenced the pre-application process under Article X of the PSL and seeks to file its application with the New York State Board On Electric Generation Siting and The Environment (Siting Board) in early March. On September 22, 1997 AGC submitted comments on the proposed Article X regulations. AGC requested the Siting Board to adopt regulations that would provide that the Commission's Competitive Opportunities Order¹ and its orders and initiatives implemented thereafter, constituted the approval by the Commission of an electric capacity procurement process as reasonably

¹ Case 94-E-0952 - *Opinion and Order Regarding Competitive Opportunities for Electric Service*, Opinion No. 96-12 (May 20, 1996) (Competitive Opportunities Order or Opinion No. 96-12).

consistent with the most recent State Energy Plan, within the meaning of PSL § 160(7), and, that the Athens Energy Facility, which will operate as a merchant plant in the competitive markets, has been selected pursuant to this approved process. The Siting Board deferred the issue to the Commission, stating that whether a proposed facility qualifies "under the Approved Procurement Process rubric is a matter for the Commission to resolve pursuant to PSL § 160(7)."²

Relief Requested

AGC requests that the Commission declare, pursuant to 16 NYCRR Part 8, (a) that its Competitive Opportunities Order and subsequent competitive initiatives constitute an approved electric capacity procurement process, (b) that such process is reasonably consistent with the 1994 State Energy Plan³; and, (c) that the proposed Athens Energy Facility, because it will operate as a merchant plant, has been selected pursuant to this approved procurement process within the meaning of PSL §§ 160(7), 164, 167 and 168. Because AGC seeks to file its Article X application in early March, it respectfully requests expeditious Commission consideration of this Petition.

Statutory Background

Article X provides procedures for the licensing of two categories of electric generating facilities. The first is generating facilities that are selected pursuant to a procurement process approved by the Commission. PSL § 160(7) defines an approved procurement process, in

² Case 97-F-0809 - *Memorandum and Resolution Adopting Article X Regulations* (Issued and effective December 16, 1997) p. 9.

³The New York State Energy Plan (1994).

relevant part, as any electric capacity procurement process approved by the Commission as reasonably consistent with the most recent State energy plan. The second category is all other generating facilities. For the latter category of plants, Article X requires the applicant to submit commercially sensitive information that plants selected pursuant to an approved procurement process are not required to provide. Article X requires an applicant to file with the Siting Board:

A description and evaluation of reasonable alternative locations to the proposed facility, if any, and with respect to a *facility that has not been selected pursuant to an approved procurement process*, a description and evaluation of reasonable supply source alternatives and, where appropriate, demand-reducing measures to the proposed facility; . . .

PSL § 164(1)(b) (*Emphasis added*).

Except with respect to a facility that has been selected pursuant to an approved procurement process, estimated cost information, including plant costs by account, all expenses by categories including fuel costs, plant service life and capacity factor and total generating cost per kilowatt-hour, including both plant and related transmission, and comparative costs of alternatives considered;

PSL § 164(1)(d) (*Emphasis added*).

A statement . . . [that] an applicant shall demonstrate that the construction of the facility is reasonably consistent with the energy policies and long-range energy planning objectives and strategies contained in the most recent state energy plan; or that *the facility was selected pursuant to an approved procurement process*;

PSL § 164(1)(e) (*Emphasis added*).

The Board has adopted regulations implementing these provisions.

The distinction carries forward into the findings and determinations the Siting Board

must make in order to issue a certificate. The Board is not required to make findings on cost, supply alternatives and energy planning issues if the proposed facility was selected pursuant to an approved procurement process. PSL §§ 168 (1)(a); (c); (e).

The intent of the distinction in the statute seems evident. The Siting Board requires commercially sensitive information from an applicant proposing a facility not selected pursuant to an approved procurement process so that it can protect ratepayers who will bear the cost of the project. This protection is accomplished by reviewing the prudence of building the facility where competitive forces do not exist to force the selection of the most suitable facility. Since utilities are able to recover from ratepayers all of their prudent construction costs for new generating facilities, the Siting Board has a duty to protect ratepayers from the costs of unneeded and/or overpriced generating facilities. In contrast, an applicant proposing a merchant facility pays the construction costs and bears all the risks associated with this important investment decision. Such an applicant should not be required to submit the additional information because (i) ratepayers are not at risk and, (ii) the information is commercially sensitive. Further, the Commission made the decision that the construction of the facility was prudent when it approved the procurement process that ultimately selected the facility so the information is not necessary for a prudence finding.

Argument Supporting Requested Relief

The Commission's decision in the Competitive Opportunities Order and its ensuing pronouncements and initiatives to establish a competitive electric market for load serving entities (LSEs) to procure electricity from, *inter alia*, non-rate-based, generating facilities, constitute a process of procuring electric capacity within the meaning of PSL § 160(7). In addition, the Commission, through the policies it is promoting, has selected, *inter alia*,

merchant facilities to be the new plants built in the future to sell output to LSEs. AGC's proposed Athens Energy Facility, therefore, is a facility that has been selected pursuant to an approved procurement process and should be exempt from the Article X supply alternatives, energy planning and cost filing requirements.

A private power developer proposing a merchant plant that will sell electricity entirely in the competitive electricity markets should be considered as having been selected pursuant to an approved procurement process. Private power developers risk their own money to construct generating facilities. They do not seek recovery of their costs in regulated rates from ratepayers of New York State. In addition, private power developers must succeed or fail in a competitive market. When generation is deregulated, as provided in the Competitive Opportunities Order, owners of generation will be price takers, *i.e.*, rather than recovering the costs incurred for generation, a supplier will operate and profit only if it is efficient compared to other generators in the market.

Because ratepayers will not be required to pay in regulated rates for the construction or operating costs of a non-rate based generating facility, the Siting Board's function of protecting the State's residents will not be furthered by reviewing the developer's economic data (including, for example, construction costs, fuel costs, heat rate, financing plans, and the projected pricing of their electricity). This data is highly sensitive and should not be filed or litigated in an Article X application. Disclosure of the data could compromise an applicant's negotiating positions with vendors, LSEs and other competitors and could be used improperly for price fixing, all to the detriment of the competitive market, and therefore ratepayers. Similarly, private developers cannot reasonably be expected to propose, let alone implement, supply alternatives to their projects. The evaluation of a private developer's alternative supply

strategies in a competitive market is also extremely proprietary. Further, a competitive market player should not be required to disclose its view of how its facility would satisfy energy planning objectives. Deregulation is leading to the unbundling of energy services and products. The identification of market niches a private developer can fill and profit from is the essence of a developer's ability to succeed in a competitive market. Forcing disclosure of that information would obstruct entry into the market and chill the implementation of the Commission's competitive initiatives.⁴

The Siting Board's adopted regulations go part way in exempting private power developers from submitting some of the additional information outlined above. Section 1001.2(d) exempts "private applicants" from having to submit a description and evaluation of demand-reducing measures to the proposed facility. In addition, site alternatives may be limited to parcels owned by, or under option to, the private applicant (*id*). An applicant proposing a merchant plant, however, is not explicitly exempt from filing sensitive cost data, alternative timing, scale, technology, and use information and an energy planning statement (1001.2(e), 1001.5) unless the proposed facility has been selected as the result of an approved procurement process.

The term "approved procurement process" is defined in § 160(7) of Article X to mean "any electric capacity procurement process . . . approved by the Commission as reasonably consistent with the most recent state energy plan adopted pursuant to Article six of the Energy Law." As explained below, an approved procurement process is not limited to a formal

⁴ The availability of the protections under the trade secret regulations do not afford private developers sufficient comfort. Under the Commission's trade secret regulations, which would be applicable in an Article X proceeding, information granted trade secret status may still be discoverable, especially if the Board is required to make findings based on the data.

bidding program established by a particular utility. The legislature gave the Commission great flexibility in deciding what constitutes a procurement process. It is *any* process that the Commission approves for the acquisition of electric capacity and energy.

While bidding programs are specifically mentioned in the law governing the Commission's authority to approve a procurement program, the legislative history of Article X makes clear that Commission-approved procurement programs are not limited to bidding programs. In commenting on the proposed Article X legislation, the New York State Energy Office stated:

The siting process would also be modified to account for the existence of the energy process and bidding *or other Commission-approved procurement programs*, through which issues related to the need for additional capacity and the relative merits of alternative supply options would already have been considered. *As a result, fewer filing requirements would apply to facilities that were selected pursuant to a procurement program approved by the Commission, and after May 1, 1994, approved by the Commission as reasonably consistent with the State Energy Plan.*

Most notably, applications for such facilities would not have to present information on need for the facility and reasonable energy supply source alternatives. They would, however, continue to be required to present evidence on the site-specific environmental impacts of the proposed facility and information on reasonable locations for such facilities.

Memorandum from New York State Energy Office to Counsel to the Governor (July 14, 1992) at 4 (*Emphasis added*).

Section 66-i(2) of the PSL grants the Commission authority to "require each electric corporation to conduct competitive bidding auctions *or other procurement programs* for the purpose of satisfying electric capacity needs from reasonably available sources and suppliers of electric capacity." NY PSL § 66-i(2) (*Emphasis added*). The breadth of the Commission's

discretion in approving a procurement process was explained by the Chairman of the New York State Assembly Committee on Energy:

Section Five [codified as Sec. 66-i of the PSL] is designed to leave the Public Service Commission with *a great deal of administrative flexibility. The Section does not mandate any particular mechanism; it simply prescribes a policy, and allows the Commission and the utilities to implement that policy in the most appropriate manner.* The intent is not to bind the Commission with procedural details, but nevertheless to require the Commission to enforce the basic competitive policies set forth in the section. The Commission's implementation of this section will also be guided by the State Energy Plan.

Letter from Paul D. Tonko, Chairman, New York State Assembly Committee on Energy to Governor Mario Cuomo (July 15, 1992) at 2 (*Emphasis added*).

When PSL § 160(7) was enacted in 1992, the utilities had conducted their capacity bidding programs and the Commission was turning its attention to initiating its new competitive initiatives. The Commission needed, and the Legislature gave it, the latitude to approve procurement processes considering the fluidity of the regulatory scene.

The New York Supreme Court recently affirmed the broad discretion the Legislature has given the Commission to implement the Public Service Law:⁵

Courts have repeatedly confirmed that the PSC has broad discretion to select the means for achieving the Legislature's goals of "just and reasonable rates" and economic, efficient service. (See, Consolidated Edison v. PSC, 47 N.Y. 2d 94 [1979], rev'd on other grounds, 447 U.S. 530 [1980]). Further, the Courts have recognized that to introduce "competition into a monopolistic market place and thus lower prices to consumers" is well within the Commissioner's jurisdiction. Matter of CNG Transmission Corp. v. Public Serv. Comm'n, 185 A.D. 2d 671-

⁵ *Energy Ass'n of New York, et al v. Publ. Serv. Comm'n, et al*, 169 Misc 2d 924, 936 (Sup. Ct. Alb. Cty 1996).

2). And in Matter of Rochester Gas and Electric Corp. v. PSC, 117 A.D. 2d 156, 160 [3rd Dep't 1986], the Third Department declared: "The use by an administrative agency of the evolutionary approach is particularly fitting. Respondent has been delegated, by the Legislature, the difficult and sensitive responsibility of balancing the conflicting interests of the public and the utilities. In fulfilling that obligation, it cannot become stagnated but must adapt to the changing patterns in the industry, and rational responses by respondent should not be a target of judicial intervention.

Accordingly, the Commission has considerable discretion to determine what constitutes an approved procurement process. As will be discussed below, energy and capacity procurement in the competitive wholesale and retail electricity market meets the requirements for an approved procurement process.

The Commission's Competitive Initiatives

The Commission has established a program for LSEs, such as electric utilities, to procure electricity other than through traditional bidding programs: reliance on a competitive market. In its Competitive Opportunities Order the Commission announced its policy and intention to deregulate the electricity market and encourage competition wherever feasible.⁶ One of the Commission's goals articulated in its Order was to make the generation of electricity competitive. To achieve that goal, the Commission strongly encouraged utility divestiture of generating facilities to allay concerns about vertical market power and avoid anti-competitive behavior. The Commission stated:

Critical to a movement toward a restructured industry is the need to avoid undue concentration of market power and particularly the use of monopoly power on the distribution side to unduly

⁶ Opinion No. 96-12 at 30.

restrict choice on the generation side Divestiture may create a larger number of competing generating companies and ESCOs, which can result in a dynamic and aggressive market.⁷

Later in the same opinion the Commission reconfirmed its intention to separate the generation function from the transmission and distribution systems in order to prevent the onset of vertical market power, explicitly endorsing a policy of divestiture. Total divestiture of generation would accomplish this most effectively according to the Commission, and was encouraged.⁸

The Commission recognized that, in the new competitive market, unregulated suppliers will bear more of the risks. Since ratepayers will not be harmed as a result of poor decisions made by electricity suppliers, many of the Commission's regulatory policies designed to protect ratepayers are no longer relevant or applicable. Where in the past, the decision to build new generating capacity was subject to close regulatory scrutiny, the Commission's policy now is to let the competitive market determine which plants will be built and which suppliers would be selected to operate. In its Competitive Opportunities Order, the Commission discussed how the competitive market would drive business decisions by electricity providers rather than traditional regulation by the Commission:

First, competition should result in lower bills as competitors have a greater incentive to lower costs than do utilities under a regulatory regime. This has generally been the experience of the electric industry abroad and other deregulated industries. As customer choice increases, further pressure is applied to lower cost or provide customers with tailor-made options. And as prices fall, economic growth is encouraged. Additionally, innovation and the introduction of new products and services should be stimulated as competitors vie for customer business.

⁷ Opinion No. 96-12 at 59.

⁸ Opinion No. 96-12 at 90.

We also expect to see market-based solutions to public policy issues rather than regulatory mandates. Competitive providers (generators and energy service companies) would bear more of the risk of investment decisions, and customers less, than under regulation.

Opinion No. 96-12 at 29 (*Emphasis added*).

Further insights into the Commission's policies on the relationship between the provision of adequate capacity resources and the introduction of competition to the generation segment of the industry were provided in Opinion No. 97-5.⁹ There the Commission said:

We remain committed to developing market-based generation supply and to allowing utilities to eventually meet their supply function by relying on the competitive market and passing through a competitive market rate. (Opinion No. 97-5 at 11)

* * *

In favoring these policies, we note the well-established principle that we have broad discretion to select the means of achieving the Legislature's goals under the Public Service Law. [Footnote omitted.] Staff's proposal that we allow market forces to control the supply function clearly falls within that broad discretion. (*Id.*)

* * *

...our interest is to place increasing reliance on the market, rather than the utilities, to make long-term supply determinations in order to reduce costs and to allow the market to develop more efficient pricing for electricity. Our approach is to promote a structure in which reasonable prices will be determined by competitive market forces, rather than regulation. (*Id.*)

In its rehearing order, the Commission reconfirmed its commitment to rely on competition playing a major role in providing new sources of energy and capacity that would be evaluated by the utilities in their procurement decisions.¹⁰ In Opinion No. 97-17, the

⁹ Case 94-E-0952, Opinion No. 97-5 - *Opinion and Order Establishing Regulatory Policies for the Provisions for Retail Energy Services*, (May 19, 1997).

¹⁰ Case 94-E-0952, Opinion No. 97-17 - *Opinion and Order Deciding Petitions for*

Commission agreed with a position taken by the Energy Association in its petition for rehearing,

that in making procurement decisions, the utility should prudently assess the likely emergence of competitive sources and assess the potential for encouraging competitive sources to develop...¹¹

This language strongly supports the proposition that reliance on competitive sources of generation must be part and parcel of a utility's capacity procurement program and, therefore, should be considered as an approved procurement process.

The Commission has explicitly found that the best way to reduce electricity rates in New York is to introduce wholesale and retail competition into the electric industry:

We believe that introducing competition to the electric industry in New York has the potential to reduce rates over time, increase customer choice, and encourage economic growth; and we declare our intent to encourage competition wherever feasible.

* * *

Competition in the generation and energy services sectors of the electric industry will be pursued for its potential to reduce rates over the long term, to increase customer choices, and for other economic advantages.

* * *

In order to ensure an orderly transition to retail competition, a short wholesale competitive phase will be implemented. Wholesale competition is expected to begin in early 1997, and retail competition is expected to begin in early 1998.

Opinion No. 96-12 at 30, 88, 89.

The Competitive Opportunities Order and subsequent Commission initiatives are also

Clarification and Rehearing (Nov. 18, 1997).

¹¹ Opinion No. 97-17 at 11.

consistent with the mandate of the most recent State Energy Plan adopted pursuant to Article 6 of the Energy Law, which specifically endorses the idea of acquiring capacity and energy on the open market. "The PSC should, consistent with its statutory responsibilities, encourage the development of competitive electric markets, rigorous performance-based regulation and measures designed to ensure that all consumer groups benefit from growing competitive pressure in the industry." New York State Energy Plan, Vol. I (1994) at 26.

To implement its policies, the Commission, in its Competitive Opportunities Order, directed each of the utilities to file restructuring proposals and rate plans including, *inter alia*, schedules for introducing retail access to all the utilities' customers and unbundled tariffs consistent with the retail access program. In accordance with Opinion 96-12, five of New York's seven electric utilities filed proposed restructuring plans on October 1, 1996. A sixth electric utility filed in July, 1997. In several of the restructuring proceedings, separation, including divestiture, of utility fossil generation has been recommended by the administrative law judges to deal with market power and subsidization concerns. Through its Competitive Opportunities Order and its ongoing proceedings to deregulate the State's electric utilities, the Commission has moved vigorously to implement the State Energy Plan's call for a competitive electricity market.

To date, the Commission has approved restructuring plans for Consolidated Edison Company of New York, Inc. Orange and Rockland Utilities, Inc. and Rochester Gas and Electric Corporation that provide for the development of wholesale and retail competition, including the divestiture of utility generating assets.¹² Furthermore, the Commission is

¹² Case 96-E-0898 - Rochester Gas and Electric Corporation - Opinion No. 98-1 - *Opinion and Order Adopting Terms of Settlement Subject to Conditions and Changes* (January 14, 1998); Case 96-E-0900 - Orange and Rockland Utilities, Inc. - Opinion No. 97-20 - *Opinion and*

pursuing the establishment of a competitive wholesale market for the State before the Federal Energy Regulatory Commission.

The Commission has issued other orders to implement its vision and goals to bring competition to the wholesale and retail electricity markets. On May 19, 1997, the Commission issued an order that laid the groundwork for the creation of a competitive retail energy services market. The Commission ordered the electric utilities to file tariffs to implement retail access. The Commission has further implemented its goals of developing a robust competitive retail electricity market with its orders approving the Dairylea pilot program and Orange and Rockland Utilities, Inc. retail access pilot program which were designed to facilitate the development of retail access to enable customers to choose their energy supplier.¹³ The Commission also ordered the introduction of competition in the provision of metering services.¹⁴

In initiating steps to create competitive wholesale and retail markets, and deregulating the generation of electricity, the Commission has approved a procurement process for LSEs. By encouraging the divestiture of, and competition among, utility generating facilities and

Order Adopting Terms of Settlement (December 31, 1997); and Cases 96-E-0897, et al. - Consolidated Edison Company of New York, Inc. - Opinion No. 97-16 - *Opinion and Order Adopting Terms of Settlement Subject to Conditions and Understandings* (Nov. 3, 1997).

¹³ Case 96-E-0948 - *Petition of Dairylea Cooperative Inc. to Establish an Open Access Pilot Program for Farm and Food Processor Electricity Customers, Order Establishing Retail Access Pilot Programs* (June 23, 1997); Case 95-E-0491 et al. - *Proceeding on Motion of the Commission as to the Rates, Charges, Rules and Regulations of Orange and Rockland Utilities, Inc. for Electric Service, Order Concerning Settlement Agreements* (May 3, 1996).

¹⁴ Case 94-E-0952 - *Opinion and Order Establishing Regulatory Policies for Competitive Metering*, Opinion No. 97-13 (Aug. 1, 1997).

other generators, the Commission's has decided is to let the competitive market decide the need for new generating capacity, the price at which electricity will be sold and the particular supply technology, amongst the alternatives, to be built. The process approved by the Commission has resulted in the proposal to build the Athens Energy Facility. AGC respectfully requests that the Commission declare that the Athens Energy Facility was selected pursuant to a Commission-approved procurement process within the meaning of PSC § 160(7).¹⁵ To hold otherwise will discourage the construction of new, clean, efficient generating facilities and act as a barrier to market entry.

Moreover, the failure to consider the Commission's competitive policies as an approved procurement process within the Article X context will force potential market entrants to subject sensitive information to public scrutiny. The Commission has recognized the need to avoid imposing disclosure requirements that would be viewed as unnecessarily burdensome by potential market entrants.¹⁶ Competitive generation suppliers proceeding under Article X will be extremely reluctant to file highly sensitive cost, energy planning and alternatives data, even under trade secret protection. They certainly will not be willing to file this information, and disclose competitive strategies, in an open forum in order for the Board to make findings that it does not need to make. The Commission's emphasis on competitive forces has obviated the need for regulators to substitute their judgment for that of the market concerning the costs, type and energy strategies for building new capacity.

¹⁵ As the State Energy Plan is revised and different types of facilities are proposed, applicants proposing to build or repower facilities to sell power on a merchant basis could be required to seek a new declaration from the Commission.

¹⁶ Opinion No. 97-5 at 31.

It is clear from the Commission's Competitive Opportunities decision that the traditional regulatory framework in which the utilities have operated must adapt to the emerging competitive marketplace. The Commission, referring to recent federal and state laws and federal regulatory determinations promoting competition, said:

Together, these developments herald a new competitive environment in which generators, power marketers, and energy service providers are actively seeking ways to serve end users with economical sources of power and related products and services. It is to the forces of this emerging marketplace that electric utilities must adapt to survive and prosper. *Utility regulators, too, must change and respond to the evolving competitive environment in the best interests of ratepayers. In securing the future of safe, reliable power at reasonable cost, government not only may, but must respond to these pragmatic considerations.* Consequently, as the electric industry becomes more competitive, it is appropriate to adjust the regulatory framework.¹⁷ (Emphasis added)

A determination on the instant petition that competitive generation developed in furtherance of the Commission's policies should be considered an integral part of an approved procurement process would send a positive and powerful signal to potential new market entrants. It would enhance the value of utility plants and sites being offered at auction, also to the benefit of ratepayers. Failing to recognize competitive generation in this fashion would represent a serious setback to the transformation of the electric industry spearheaded by the Commission.

Conclusion

For the reasons stated above, Athens Generating Company requests that the Commission declare, on an expedited basis, (a) that its Competitive Opportunities Orders and


¹⁷ Opinion No. 96-12 at 30.

subsequent competitive initiatives constitute an approved electric capacity procurement process, (b) that such process is reasonably consistent with the 1994 State Energy Plan; and, (c) that the proposed Athens Energy Facility, because it will operate as a merchant plant, has been selected pursuant to this process within the meaning of PSL §§ 160(7), 164, 167 and 168.

Respectfully submitted,

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By:


Sam M. Laniado

Dated: January 21, 1998
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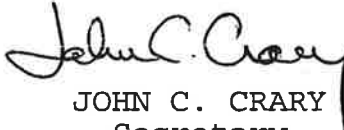
STATE OF NEW YORK
PUBLIC SERVICE COMMISSION

CASE 98-E-0096 - Petition of Athens Generating Company L.P. for a Declaratory Ruling that the Commission's Initiatives Constitute an Approved Capacity Procurement Process, that said Process is Reasonably Consistent with the 1994 State Energy Plan and that the Proposed Athens Generating Facility has been Selected Pursuant to an Approved Procurement Process.

NOTICE SOLICITING COMMENTS

(Issued January 26, 1998)

NOTICE is hereby given that the Commission is seeking comments on a petition, filed in the above-captioned proceeding on January 22, 1998. Unless it has already done so, Athens Generating Company L.P. is required, pursuant to 16 NYCRR §8.2(b), to serve a copy of its petition on the seven major electric corporations doing business in New York and on all persons and organizations whose names appear on the service list of Case 97-F-1563, by January 28, 1998. Anyone served with a copy of the petition may file comments thereon by February 18, 1998. Anyone filing comments should submit five copies to John C. Crary, Secretary, Public Service Commission, Three Empire State Plaza, Albany, New York 12223-1350.


JOHN C. CRARY
Secretary



New York Chapter - American Fisheries Society

Mr. Howard Jack
Vice President and Secretary
NYSERDA
Corporate Plaza West
286 Washington Avenue Extension
Albany, NY 12203-6399

Re: Comments on development of proposed plan for administration of System
Benefit Charge

Dear Mr. Jack:

The New York State Chapter of the American Fisheries Society is an organization which represents the professional fisheries managers and scientists of New York. As part of our professional obligation to protect the waters, fisheries and people of New York, we respectfully submit the following comments regarding the administration of the systems Benefit Charge established by the Public Service Commission under Opinion 98-3.

Acidic deposition is one of the most significant environmental challenges facing the people of New York. Acidic deposition is a by-product of energy use and affects terrestrial and aquatic environmental quality, degrades sensitive and important fisheries and impacts the lives of countless citizens.

The Chapter strongly supports the continuation of acid deposition environmental monitoring projects using the System Benefits Charge funds. However, the Chapter recognizes that these monitoring projects will not halt the impacts or restore ecosystems. Only the abatement of acidic deposition will. Therefore, the Chapter strongly recommends that NYSERDA and the Public Service Commission support the on-going and proposed research, development and deployment of air emissions control technologies for both stationary and mobile emission sources in the State of New York. This recommendation is especially made regarding those technologies which promise to control emissions beyond those required by the Clean Air Act or other permit conditions. We believe that these innovative emission control technologies are strongly aligned with the policy guidelines issued by the PSC as Appendix A of Opinion 98-3.

Thank you for your attention and careful consideration of these comments.

Sincerely,

Margaret H. Murphy
President, NYS Chapter
American Fisheries Society

**New York AFS student chapter meeting at Shackleton Point, NY
March 28-29, 1998**

Overview

Twenty-two members of the student chapter attended the presentation and demonstration sessions on Saturday, March 28. The morning session was devoted to presentations of current and past research conducted by students at regional universities, while the afternoon session was spent demonstrating some of the techniques used by students to carry out their research. Presentations averaged fifteen minutes in length, including a question and answer session afterwards. Time was set aside throughout the day for people to interact and learn about jobs and research going on elsewhere.

Presentations

**Bioenergetics and spatial modeling of Atlantic salmon
and smelt in Lake Champlain.**

Bernard Pientka
Vermont Cooperative Fish and Wildlife Research Unit
School of Natural Resources
University of Vermont

We conducted a study addressing predator-prey interactions of landlocked Atlantic salmon (*Salmo salar*) and rainbow smelt (*Osmerus mordax*) in the Inland Sea of Lake Champlain in Vermont. The Inland Sea is a discrete area separated from the Main Lake by three narrow shallow causeways. As part of a restoration program, salmon (N=63,000) are stocked annually into this area. Smelt constitute approximately 98% of the mid-water trawls and hydroacoustic targets and smelt numbers in the Inland Sea far exceeds those of the Main Lake (1600 vs. 270 in a 55-min mid-water trawl). Therefore, we asked the question, how many salmon can be stocked in this area based on numbers of smelt and amount of salmon habitat (i.e. water temperature and dissolved oxygen)? We used bioenergetics modeling to determine how many smelt are consumed by salmon and spatial modeling to determine predator-prey overlap in the water column. We found that rainbow smelt comprise 99% of salmon diets, however, salmon and smelt do not experience total spatial overlap because salmon ranges are limited by temperature in summer and oxygen in fall. Consequently, it may not be possible to increase stocking numbers of salmon to consume the overabundance of smelt because of overlap limitations.

Effects of fish predation on zebra mussel distribution in Onondaga Lake.

Michael Spada
College of Environmental Science and Forestry
Syracuse University

Zebra mussels (*Dreissena polymorpha*), exotic bivalves native to Europe, were first detected in Onondaga Lake in 1992. This hypereutrophic system lies in the Lake Ontario drainage basin. In 1997 zebra mussels ranged in density from 1200/m² near the lake outlet to less than 1/m² in the lake proper. Our study examined why densities of zebra mussels in the lake were so low. Veligers are relatively rare in the water column, perhaps reflecting a community dominated by planktivorous fishes. Substrate composition appears not to be limiting. Low dissolved oxygen levels (1.9 mg/l) during fall turnover should not directly impact settlement. We hypothesized that fish predation on adult mussels is important in limiting their distribution in Onondaga lake. To test this hypothesis we used wire mesh cages to exclude fish predators from zebra mussel colonies introduced from the Seneca River. Artificial substrates were used to measure the density of settling mussels throughout the season. Fish appeared to remove 95-99 % of adult zebra mussels by fish within 14 days after placement at four sampling sites in Onondaga Lake in 1997. None of the enclosed mussels were lost during this period; adults survived at least until sampling ceased in October 1997. Post-veliger settlement on artificial substrates exhibited a density gradient from Onondaga Lake to the confluence with the Seneca River. The density and abundance of macroinvertebrates in areas colonized by adult mussels was greater than in areas devoid of the mussels.

Comparison of Behavior, Physiology, and Morphology Among Four Strains of Brook Trout (*Salvelinus fontinalis*)

Heather M. Barker
Coldwater Fisheries Research Program
Cornell University

Research conducted with wild strains of salmonids has shown that wild strains survive better and grow larger than domestic strains. Before wild strains can be reintroduced successfully to restored habitats, knowledge of the behavior, physiology, and morphology of different strains needs to be understood. Food habits, development rates, and movement will help match the best-suited strain to a particular environment. For this study I chose to compare four wild strains of brook trout (*Salvelinus fontinalis*); Temiscamie and Assinica brook trout (two Canadian strains), and Horn Lake and Little Tupper Lake (native Adirondack strains). The objectives of this study are:

1. to compare the rheotactic response of the four strains of brook trout fry
2. to compare the development rates from fertilization to hatching among the four

strains of brook trout

3. to identify the food habits of each strain and compare the vulnerability to angling among the four strains of age 1+ and older brook trout
4. to relate the characteristics described in the first three objectives to their potential adaptation to aquatic environments, and to propose a decision strategy for the choice of strains for re-introduction to Adirondack waters

Methods to achieve these objectives include laboratory studies documenting the rheotactic response each strain followed by field experiments. The number of thermal units required for hatching for each strain will be measured by placing fifty eggs of each strain in Plexiglas incubators and temperatures will be recorded hourly until hatching. Vulnerability to angling will be measured by stocking fall fingerlings into a drainable pond, then returning two years later to angle using different techniques. Fish removed when the pond is drained will be preserved and their stomach contents will be compared to aquatic invertebrate samples to determine food habits of each strain.

Temporal Availability and Use of Nearshore Habitat by Fish Communities in Little Moose Lake

Peter Brown
Cornell University

To determine the habitat use of fish species (including non native smallmouth bass) in the littoral zone of Little Moose Lake, Herkimer County, New York, six transects were sampled via snorkeling from June through August. Transects were distributed among four habitat types: woody (submerged trees), sand (particles <0.2cm), silted rock (particles from 0.2cm-200cm), and windswept rock (particles >2cm). Over the summer eighty three percent of all fish >5cm observed were smallmouth bass, 15% were pumpkinseeds, and 1% were salmonids. Bass were only observed adjacent to structured habitat (windswept rock and wood). Smallmouth bass fry (<5cm) were only observed on sand and silted rock where no fish >5cm were observed. Smallmouth bass of all sizes were abundant in the littoral zone of Little Moose Lake from June through August. Their presence poses the possibility of competition for space and food with native littoral zone species such as brook trout.

An overview of the use of oxytetracycline to mark fish

Rob Klumb
Cornell University

Oxytetracycline (OTC) forms gold marks in the scales and bones of fishes that are visible under ultraviolet light. As part of my Master's degree, I marked bluegills and bluegill x green sunfish hybrids multiple times with OTC by two methods: administered in

fish feed or injected directly into the fish. Multiple marks in scales were successfully produced by both methods. Marks in injected fish were bolder than those fed OTC and were also visible in the otoliths. Fish fed OTC had no visible marks in their otoliths. Color 35-mm slides were used to show the characteristic color of OTC marks since most published photographs are in black and white.

Fish movement and use of refuge in response to high thermal and low pH events

Owen Baird
Coldwater Fisheries Research Program
Cornell University

Owen Baird presented the main topics of his M.S. thesis research, which is being conducted the South Branch of the Moose River in the Adirondacks, near Old Forge, NY. Areas of research included the movement and growth of stocked trout, comparison of behavior thermoregulation of brook and rainbow trout, and fish community response to episodic acidification.

Demonstrations

Introduction to age and growth techniques

Nathan Smith and Brian Weidel
Cornell University

Nathan Smith and Brian Weidel gave a hands-on demonstration of preparation and analysis of hard-parts for fish ageing. Brian demonstrated the process of preparing salmonid otoliths to be sectioned. He also explained the sectioning process, and showed some samples of sectioned otoliths under a microscope. Nathan explained the processing of opercular bone samples from great white suckers, and had some samples for participants to examine under a scope. He also let people age an opercular bone to compare different ages assigned by different people.

Introduction to larval fish identification

**Rob Klumb
Cornell University**

The position of the vent is a character used to initially identify larval fishes at the family level. Three families: Clupeidae, Percidae, and Centrarchidae, can be easily distinguished by location of the vent. Clupeid larvae have a very long gut with the anus located posterior, Percids have a gut that terminates at the mid-body region, and the gut of Centrarchids is anterior. Representative specimens for each family were put on display. Secondary characteristics such as myomere counts and coloration used for species identifications were also discussed.

Introduction to radio telemetry methods

**Owen Baird
Coldwater Fisheries Research Program
Cornell University**

Owen Baird gave a hands-on demonstration of radio telemetry equipment. This included an overview of the types of transmitters available and the current uses in fisheries research. The demonstration concluded by having participants use the equipment to find transmitters that were hidden on the grounds of the field station.

Subj: AFS Student subunit meeting
Date: 98-03-29 12:45:39 EST
From: MurphyMH@obg.com (Margaret Murphy)
To: ialansing@aol.com

COPY

Hi John -
Well, the students had a successful subunit meeting yesterday (Sat) out at Shackleton Point. Twenty one students showed up for a day of presentations and demonstrations. Facilities were provided, but I took care of the food. Can you write me a check for \$117.59 for these costs and mail it to me this week at work:

→ dc # 1001 3/30

John

OBrien & Gere Engineers, Inc.
5000 Brittonfield Parkway
Syracuse, NY 13221

I'll drop the receipt in the mail, so you can keep it in the files.

The subunit also elected officers, so they should have a budget request to give to Allen for next year's NYC budget. This year, I'm working it into the budget I put together. (The Chapter does not have to cover my costs to attend the Northeast meeting - so that frees up a little money from the budget).

Tim Small -
(518) 457-0758

Feel free to call if you have any questions.

Thanks!

Margaret H. Murphy

----- Headers -----

Return-Path: <MurphyMH@obg.com>
Received: from rly-zb05.mx.aol.com (rly-zb05.mail.aol.com [172.31.41.5]) by air-zb02.mail.aol.com (v40.16) with SMTP; Sun, 29 Mar 1998 12:45:39 -0500
Received: from obg.com ([207.10.65.2])
by rly-zb05.mx.aol.com (8.8.5/8.8.5/AOL-4.0.0)
with SMTP id MAA27223 for <ialansing@aol.com>;
Sun, 29 Mar 1998 12:45:47 -0500 (EST)
Received: from OBG-Message_Server by obg.com
with Novell_GroupWise; Sun, 29 Mar 1998 12:52:08 -0500
Message-Id: <s51e43f8.038@obg.com>
X-Mailer: Novell GroupWise 4.1
Date: Sun, 29 Mar 1998 12:52:00 -0500
From: Margaret Murphy <MurphyMH@obg.com>
To: ialansing@aol.com
Subject: AFS Student subunit meeting
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

Subj: 1998 Annual meeting
Date: 98-02-13 14:20:07 EST
From: txsinnot@gw.dec.state.ny.us (Tim Sinnott)
To: ialansing@aol.com, LGR1@comell.edu, murphymh@obg.com

February 11, 1998

TO: Margaret Murphy
Lars Rudstam
Alan Peterson
John Homa

FROM: Tim Sinnott

SUBJECT: Preliminary Summary of Annual Meeting

From counting the registration forms, the total meeting attendance was 78, which breaks down to 63 regular and 15 students.

The income from registrations was \$3,710. The income from membership renewals was \$340. The raffle generated \$344, for a total income of \$4,394.00

Expenses so far:

Raffle knives	47.40
File duck stamps	13.00
1998 Directory printing	194.13
Annual meeting program printing	218.70
Travel, George Noguchi	233.00
Travel, Joe Buttner	171.00
Film	4.99
baggies	2.99
Total	884.31

I will finish updating the membership database, and send the database and registration forms to John.

One unexpected surprise. I received a letter from Ronalds Essig, of the NE Division. Apparently, NE Division decided to provide a rebate for their chapters from their own funds. The rebate was \$2 for each of the 237 AFS Parent Society members in New York State, for a total of \$474. I deposited that money in the old AFS checking account.

I will close out the checking account as soon as the checks written at the annual meeting have cleared. The balance at that time should be \$6721.68, plus a little more because of interest accumulations.

In addition to e-mail, I will send this memo out hard copy. Margaret, I'll also send you the original copy of Ron Essig's letter about the rebates, and John, I'll send you a packet of worksheets about the money calculations for the meeting, and some receipts for the meeting expenses.

COPY

Sincerely, Tim Sinnott

----- Headers -----

Return-Path: <txsinnot@gw.dec.state.ny.us>

Received: from relay29.mail.aol.com (relay29.mail.aol.com [172.31.109.29]) by air13.mail.aol.com (v38.1) with SMTP; Fri, 13 Feb 1998 14:20:05 -0500

Received: from gw.dec.state.ny.us (gwsmtplib.dec.state.ny.us [134.179.112.16])
by relay29.mail.aol.com (8.8.5/8.8.5/AOL-4.0.0)
with SMTP id OAA08144 for <ialansing@aol.com>;
Fri, 13 Feb 1998 14:20:03 -0500 (EST)

Received: from CO#u#NW-Message_Server by gw.dec.state.ny.us
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Message-Id: <s4e1bd5f.026@gw.dec.state.ny.us>

X-Mailer: Novell GroupWise 4.1

Date: Wed, 11 Feb 1998 14:58:50 -0500

From: Tim Sinnott <txsinnot@gw.dec.state.ny.us>

To: ialansing@aol.com, LGR1@cornell.edu, murphymh@obg.com

Subject: 1998 Annual meeting

Mime-Version: 1.0

Content-Type: text/plain

Content-Disposition: inline

NEW YORK CHAPTER — AMERICAN FISHERIES SOCIETY
c/o NYSDEC, Room 530, 50 Wolf Road, Albany, New York 12233-4756



January 15, 1998

Mr. John Homa
Ichthyological Associates
50 Ludlowville Road
Lansing, N.Y. 14882

Dear John:

Hope you had a pleasant Christmas and New Years holiday. Did you get my packet on the mail permit? Let me know if you have any questions on it.

Thought I'd go over a few things about handing off duties to you prior to the meeting. You will officially take office at the business meeting on Friday afternoon. In preparation for the meeting, I will:

- Make copies of the ballot;
- Make meal tickets;
- Make copies of the directory to pass out at registration;
- Make registration forms w/receipts;

120
Lobby form
100

Bring money for change.

150-5105
over

You should record at the Thursday night EXCOM, since you'll have to write up the minutes for that meeting. Same with the Business meeting on Friday - you should do the recording because you will have to write up the minutes. The minutes from the business meeting are published in the Spring Newsletter.

We should both work registration together on Friday morning. A student can work registration while we are in the EXCOM meeting Thursday night.

As per our previous discussion, I will handle the checking account money until the business meeting receipts are taken care of and all deposited. When all the checks from the business meeting have cleared, I'll close out the account and send you a check.

Just before the Annual Meeting, I will close out the savings account and give you the check for that account at the meeting.

One CD will mature towards the end of February. If you want to keep it in Herkimer County Trust, we will both have to go there, and I'll sign both CDS over to you. Otherwise, I'll close out the one CD and send you the money. Then, with the consent of the Chapter, I'll leave my name on the other CD, and close it out next year, or we can meet there and I'll sign it over to you.

I'll bring the file cabinet with all of the records except for the checking account, and the historical records to the annual meeting to transfer them over. Then we can get together any time to discuss anything you might have questions about.

Congratulations on your taking over. I have found the past six years to be very interesting and rewarding. I'm sure you will too.

Sincerely,



Timothy J. Sinnott
Secretary/Treasurer
NY Chapter, AFS



December 18, 1997

Mr. John Homa
Secretary/Treasurer-Elect
c/o Ichthyological Associates
50 Ludlowville Road
Lansing, N.Y. 14882

Hi John:

Enclosed is the application and material for applying for a third-class, non-profit bulk mailing permit. The actual application form, PS Form 3624 (Jan 95) is in the back of the blue booklet entitled Special Bulk Third-Class Eligibility, publication 417. Question 8 should be marked "yes", Question 9 is also "yes", and the post office is Saratoga Springs, N.Y. 12866.

As you can see, you also must submit documentation to support the non-profit, tax exempt status of the Chapter. Also enclosed for your use are:

- The IRS tax-exemption letter
- A copy of the constitution
- Copies of the minutes of the last business meeting and last three EXCOM meetings
- Copies of the three 1997 newsletters
- Copies of the last annual and two 1997 treasurer's reports

It takes a couple of months to get the permit. You won't have to do a mailing till March or April, depending on when the next newsletter is ready, so you should get this application in right away. Call me if you have any questions or problems.

Hope you and your family have a Merry Christmas! See you in January.

Sincerely,

Timothy J. Sinnott
Secretary/Treasurer
NY Chapter, AFS

A. Individual Components

- 1. Title - Does it accurately describe the subject? 5 points
- 2. Abstract - Does it concisely state the objectives and scope of the investigation, describe the methods, summarize the results, and state the principal conclusions? Does it motivate interest? 5 points
- 3. Introduction - Does it provide adequate background, historical context, and justification for the study? 5 points
- 4. Methods - Are they described with appropriate detail? 5 points

B. Content

- 1. Structure and Organization - Logical development and integration of the presentation, including serial progression of results relating to the purpose of the study or hypothesis tested, and logical formulation and expression of conclusions, interpretations, and implications. In effect, is the presentation comprehensible by members of the audience not engaged in that particular specialty? 10 points

- 2. Relevance and Originality - Relevance to fisheries science. Value of the study in communicating and presenting unique or innovative methods, concepts, or interpretations. 15 points
- 3. Technical Merit - Consonance of interpretations with results; identification and evaluation of limitations. 10 points
- 4. Analytical Merit - Adequacy and appropriateness of analytical and statistical methods and study design. 10 points

C. Physical Presentation

- 1. Delivery - Voice quality, enthusiasm, grammar, eye contact, posture and body language, pronunciation, and articulation. 15 points
- 2. Visual Aids - Visibility, simplicity, comprehensibility, and relevance of visual aids. 15 points

D. Other Considerations

Use this category to reward unique or attractive features which do not fit exactly into other criteria (e.g., judicious and effective use of humor). It should be considered an extra and should not be awarded automatically.

E. Comments

Provide a brief evaluation of your impressions of each paper. Comments will be used to break ties.

Section 1 - Name and Objectives

1. The name of this organization shall be the New York Chapter of the American Fisheries Society, hereinafter referred to as the Chapter.
2. The objectives of the Chapter shall be those of the American Fisheries Society as set forth in Article 1 of its Constitution, and to encourage the exchange of information by members of the Society residing within the State of New York.

Section 2 - Membership and Dues

1. The membership of the Chapter shall be of the following classes:
 - (a) Member: Active Members of the American Fisheries Society in good standing, and upon enrollment in the Chapter, shall be eligible to vote.
 - (b) Honorary Member: Persons who, by reason of professional or other attainments, outstanding service to the Chapter, or official position, shall be eligible for election as an Honorary Member upon nomination by two or more Chapter Members in good standing, and a 2/3 vote of the members present at an annual meeting, and upon election shall be exempt from payment of dues. There shall be two classes of honorary membership:
 - (1) Distinguished Service and (2) Exofficio. Honorary Members shall be entitled to all rights and privileges of Members, except that Exofficio Members shall not vote or hold office.

2. Annual dues for Members shall be five dollars (\$5.00), except that dues for full-time students shall be two dollars (\$2.00). Dues shall be payable at the beginning of each calendar year to the Secretary-Treasurer. Dues of new members shall be payable when application for membership is accepted. Member-ships not paid on or before July 1 shall be considered lapsed and those persons shall not receive publications of the Chapter and shall forfeit all rights and privileges of membership as long as dues are unpaid.

Section 3 - Meetings

The Chapter shall hold at least one meeting annually at the time and place designated by the Executive Committee. Notice of the annual meeting of the Chapter shall be mailed to each member at least one month before the date of such meeting. Business shall be conducted in accordance with provisions of these Bylaws, or Robert's Rules of Order in the absence of specific guidelines. The program shall be the responsibility of the Program Committee.

Section 4 - Officers

The officers of the Chapter shall consist of a President, President-Elect, Secretary-Treasurer and Secretary-Treasurer-Elect.

The President-Elect and the Secretary-Treasurer-Elect shall be elected at the annual meeting. The Secretary-Treasurer shall hold office for two years, but the term of the other officers shall be one year. The Secretary-Treasurer-Elect shall be elected in alternate years. In case of a vacated position, the Executive Committee shall appoint a qualified replacement to fill an unexpired term. The incumbent (not newly elected) President-Elect and Secretary-Treasurer-Elect shall succeed to the office of President and Secretary Treasurer, respectively, at the expiration of the terms of those officers.

In the event of a cancellation of an annual meeting at which election of officers was scheduled, the officers and the members of any committee shall continue to serve until the next scheduled meeting.

Section 5 - Duties of Officers

The President to the Chapter shall preside at all meetings, serve as Chairman at the Executive Committee, represent the Chapter on the Northeast Division Executive Committee and in the American Fisheries Society, make appointments and perform other duties and functions as are authorized and necessary. The Chapter shall reimburse the President of the Chapter, or an alternate designated by the President, for registration fees and housing expenses at the annual meeting of the American Fisheries Society.

The President-Elect shall be Chairman of the Membership Committee and member of the Program Committee, and shall assume the duties of the President if the latter is unable to act.

The Secretary-Treasurer shall keep the official records of the Chapter, collect and be custodian of registration fees, dues and any funds which may be allotted to the Chapter. The Secretary-Treasurer shall disburse funds as may be authorized by the Executive Committee or the membership, submit a record of receipts and disbursements at the annual meeting, and perform such duties as may be requested by the Executive Director of the American Fisheries Society and officers of the Northeast Division.

The Secretary-Treasurer-Elect shall aid the Secretary-Treasurer in his duties and act at the direction of the Secretary-Treasurer and the President.

Section 6 - Executive Committee

The Executive Committee shall consist of the Chapter officers (President, President-Elect, Secretary-Treasurer, Secretary-Treasurer-Elect) and the immediate Past-President. The Chairmen of standing committees and ad hoc committees shall be non-voting members of the Executive Committee. The Executive Committee is authorized to act for the Chapter between meetings and to perform appropriate duties and functions.

Section 7 - Chapter Committees

Committees and Chairmen of Committees, except as listed in Sections 5 and 6, shall be appointed by the President. Standing Committees shall include: Standards, Program, and Resolutions.

The committees shall be composed of the chairman and any other members in good standing selected by the chairman. The committees shall aid the President in the operation of Chapter business and activities. The President shall direct them in their duties. They may also be directed by vote of the membership at an annual meeting.

The term of office for members of the Chapter Committees shall end upon the discharge of the duties for which they were appointed, or at the next annual meeting of the Chapter, whichever comes first.

Section 8 - Voting and Quorum

Decisions at meetings of the Chapter shall be by a majority of those voting, except that amendments to the Bylaws require a 2/3 majority, and Any member in good standing who cannot attend a meeting may request the Executive Committee in writing to register a vote on a previously published question and such a vote shall be counted with the votes of members present. Such votes shall not be used to determine a quorum. Proxy votes must be received by the Secretary-Treasurer before the annual meeting at which the vote is taken.

A quorum for the transaction of official business shall be 20 of the Chapter's voting members.

Section 9 - Registration

The Executive Committee may assess each registrant attending meetings of the Chapter a registration fee necessary to cover the costs of the meeting and Chapter activities. Collections shall be made by the Secretary-Treasurer or a representative appointed by that officer.

Section 10 - Amendments of the Bylaws

The Bylaws of the Chapter may be amended in accordance with Section 8 of these Bylaws, provided that prior notice of at least 30 days be given to the membership of the proposed change (s). Said change(s) must be approved by the Executive Committee of the Society before taking effect.

Prepared June 1986; Revised January 1996

Chairpersons' Handbook

Officers and Committee

AMERICAN FISHERIES SOCIETY

NEW YORK CHAPTER

ORIGINAL

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YOUTH EDUCATION COMMITTEE

CHAPTER PRESIDENT

Primary Responsibilities

1. Upon assuming office, the newly elevated President should:
 - a. Present the outgoing President with the past-President's certificate.
 - b. Announce appointments of standing committee chairpersons.
 - c. Present general statement of objectives for the coming year.
 - d. Present a budget for discussion by the membership for the coming year, including the next Annual Meeting over which he or she presides; final approval will occur within three months of the Annual Meeting.
 - e. Make appointments of ad hoc committee chairpersons at this time, if possible.
 - f. Complete committee appointments within one month. Notify Northeast Division secretary of all appointments.
2. Finalize the budget and present it for final approval by the Executive Committee no later than three months after the Annual Meeting.
3. Be specific in your charges to your committee chairpersons using this handbook and revisions thereof as a basic orientation tool. Distribute a copy of this handbook to all committee chairpersons and Executive Committee members. Distribute a copy of the AFS Procedures Manual to all officers.
4. Keep informed of committee activities.
5. Ensure that Northeast Division President and Secretary are informed about Chapter activities. A Chapter report should be submitted to the Division President before 1 March.
6. Notify the national AFS office regarding the Annual Meeting time and place as soon as it is known, to be published in "Fisheries" and the "AFS Diary".
7. Be familiar with Chapter and Northeast Division bylaws and AFS constitution and bylaws.
8. Review and follow "Robert's Rules of Order" regarding protocol for conduct of Chapter business, particularly meetings at which votes are taken, including Executive Committee meetings and the Annual Business Meeting.
9. Represent the Chapter in Society affairs, as requested.

10. Be aware of Society safeguards concerning lobbying activities by the Chapter to protect the Society's tax exempt status. Consult the Society's Procedural Manual and central office staff regarding restrictions.
11. As a voting member of the Northeast Division Executive Committee, you are expected to ensure Chapter representation and participation in any meetings of same called by the Division President. In addition, every effort should be made to represent the Chapter at the Society's Executive Committee Annual Meeting. You may include travel funds for these meetings as line items in the budget you submit at the Annual Meeting, at which you are installed as President.
12. Present a brief written report of Chapter activities at the annual Division Executive Committee Meeting. Minutes of our Annual Meeting normally serve this function, so the President should ensure these are sent by the Chapter Secretary-Treasurer.
13. Schedule and preside over all Executive Committee meetings. Provide an agenda in advance to all who will be attending. The agenda should list topics to be covered, individuals responsible for addressing each topic, and approximate times to be devoted to discussing each topic. After the initial meeting, these may include telephone conference meetings.
14. Work with the President-elect and Secretary-Treasurer to prepare a budget to be submitted for discussion and approval at the Annual Meeting, at which the President-elect will assume office; and for approval at an Executive Committee Meeting no later than three months after the Annual Meeting.
15. Work with the Secretary-Treasurer to monitor the financial status of the Chapter. If cash reserves approach an upper limit of \$25,000, devise a plan to spend the surplus. If reserves approach a lower limit of \$12,000, put the Chapter on an austerity budget and begin fundraising in earnest.
16. Preside over the Annual Meeting, as needed (e.g., introductory remarks, introduce keynote speaker, introduce session chairs, make announcements).
17. Arrange and provide agenda for Chapter Annual Meeting; preside over meeting:
- Adhere to agenda and time schedule.
 - Introduce any AFS and Division officers present and provide them with an opportunity to address the membership.
 - Introduce other guests.
 - Acknowledge work of your officers and committee chairpersons and members.
 - Install the new President; typically, the President-elect is escorted to the rostrum by two past-Presidents.

Annual Meeting -- final Executive Committee Meeting and Annual Business Meeting; preside budget for his/her term of office.

Fall -- Executive Committee Meeting if business warrants; assist President-elect with developing

Summer -- second meeting of Executive Committee.

and present budget for final approval.

By three months after Annual Meeting, conduct initial meeting of Chapter Executive Committee,

By one month after Annual meeting, complete committee chairperson appointments and communicate to Division Secretary.

membership of committee activities.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter

At Annual Meeting, assume office and present your budget for discussion.

Prior to Annual Meeting, at which you assume office, develop budget for coming year in conjunction with Secretary-Treasurer and outgoing President (see President-elect duties).

chairpersons (see President-elect duties).

Prior to Annual Meeting, at which you assume office -- to extent possible, identify committee

Calendar

23. Send an invitation for the Annual Meeting to Northeast Division, Parent Society.

the final newsletter in January.

with

22. Send out a separate mailing for the program in mid-December, and then include a notice

21. Prepare an agenda, and distribute prior to meeting.

President.

20. Serve on the Chapter Executive Committee for an additional year as immediate past-

19. Inform your successor of actions taken at the previous Northeast Division Executive Committee Meeting, and see that your successor gets Minutes of same.

your term.

18. Acknowledge the work of your officers and committee chairpersons, by letter, at the end of

over meeting.
At each meeting, the Executive Committee should vote to approve Minutes of prior meeting.
At the first Executive Committee Meeting following the Annual Meeting, vote to approve the previous year's budget.
In alternate years, vote for election of Secretary-Treasurer.

EXECUTIVE COMMITTEE

The Executive Committee (EXCOMM) consists of the Chapter officers (President, President-elect, Secretary-Treasurer, Secretary-Treasurer-elect) and the immediate Past-President, The chairpersons of standing committees (Audit/Finance, Environmental Concerns, Membership, Nominating, Program, and Resolutions) and *ad hoc* committees (Professional Incentives, Newsletter, Workshop, Student Subunit, and Professional Diversity committees currently) shall be non-voting members of the EXCOMM.

Primary Responsibilities

The EXCOMM is authorized to act for the Chapter between meetings. In so doing, the EXCOMM is responsible for monitoring and directing Chapter activities, as charged by the membership at Annual Business Meetings. The Chapter President presides over all EXCOMM Meetings and provides a meeting agenda in advance.

Calendar

No more than three months after Annual Meeting, initial organizational meeting and final approval of the President's proposed budget.

Summer -- second meeting.

Fall -- meeting or conference call, if business warrants.

Immediately prior to Annual Meeting, summary meeting; review incoming President's proposed budget for discussion.

SECRETARY-TREASURER

Primary Responsibilities

1. Maintain Chapter membership records, including a membership roster and record of payment of dues. Prepare the annual membership directory by 1 June. Include as current members in good standing those for whom dues have been paid for at least the previous calendar year. Only current members in good standing are eligible to vote.

2. Obtain a special third class mailing permit. Mail all newsletters, announcements and correspondence as prepared by the newsletter editor, the Workshop Committee and others, as appropriate. The routing mailing list should include all current members in good standing and the Executive Secretary of the Society, the President and Secretary of the Northeast Division, and the Presidents of all the Chapters within the Northeast Division.

3. Prepare and retain Minutes of all official meetings, and retain Chapter records in good order. Copies of Minutes are to be distributed to Executive Committee members. Approved copies of Minutes are to be distributed to the President of the Northeast Division. A copy of the Minutes of the Annual Meeting should be furnished to the Executive Director and the Secretary and President of the Northeast Division within 30 days after the meeting.

4. Collect and be custodian of Chapter funds. Use the Federal Employer's Identification number assigned to the Chapter, in lieu of a Social Security number. Deposit Chapter funds in an interest-bearing account. Disburse funds as authorized by the Executive Committee or Chapter membership.

5. Notify the membership of the Annual Meeting at least two months in advance. Notification should be sent by First Class mail to assure prompt delivery. The Executive Secretary and President of the Society, and the President and Secretary of the Northeast Division should be informed of the Annual Business Meeting.

6. Keep a supply of Chapter bylaws on hand, and be familiar with their content. Forward proposed amendments to the bylaws promptly to the Executive Director for action by the Executive Committee of the Society.

7. Maintain a supply of information brochures about the Chapter and the Society, and make copies available to anyone who requests them.

8. Order a Past-President's Certificate from the Society office at least six weeks prior to the Annual Meeting. Order "Best Paper" and other award materials, as directed by

9. Prepare registration materials for the Annual Meeting, and register attendees starting on the evening preceding scheduled sessions and as needed throughout the meeting. Furnish receipts when requested. Supervise student assistants at the Annual Meeting.
10. Submit financial reports, including reports of receipts and disbursements. Informal, verbal reports are to be made at Executive Committee meetings. A formal, written report is to be provided at Annual Meeting. Cooperate with the Audit/Finance Committee in an annual review of the books. Prepare annual budget proposal, with rough draft to the EXCOMM at least six weeks before the Annual Meeting.
11. Ascertain if there is a quorum present for official actions, and furnish ballots for elections.
12. Submit copies of Chapter resolutions promptly to the Executive Director and the Northeast Division Secretary. Indicate those for which Division and Society support is requested.
13. Serve as voting member of EXCOMM.
14. Orient the Secretary-Treasurer-elect to the responsibilities of the office.
15. Assist Membership Committee chairperson in keeping track of membership status for reports at EXCOMM meetings and Annual Meeting.

Calendar

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of committee activities.

At least two months prior to Annual Meeting, notify membership of the meeting; assist in preparing annual budget proposal for EXCOMM, to be submitted by the new President at the Annual Meeting, at which he or she is installed.

Six weeks prior to Annual Meeting, order Past-President's Certificate and award materials; distribute President-elect's draft budget to EXCOMM.

Prior to Annual Meeting, prepare annual financial report and review with Audit/Finance Committee. Prepare meeting registration materials and ballots.

At Annual Meeting, register attendees; provide financial report; take Minutes; supervise student assistants; etc.

At EXCOMM meetings, provide fiscal update; take Minutes; distribute Minutes in timely fashion.

During last year in office, orient the Secretary-Treasurer-elect.
Update and distribute Chapter directory to membership every 2 years.

SECRETARY-TREASURER-ELECT

Primary Responsibilities

1. Develop with Secretary-Treasurer appropriate orientation activities and responsibilities to prepare you for assumption of that role.
2. Attend EXCOMM meetings as a voting member.
3. During year as "elect", record Minutes of EXCOMM meetings and submit to Secretary-Treasurer for distribution to EXCOMM members.
4. Before assuming Secretary-Treasurer position, arrange to transfer file, financial accounts, and mailing permits.

PRESIDENT-ELECT

Primary Responsibilities

1. Serve as voting member of EXCOMM.
2. Serve as Membership Committee chairperson.
3. Serve as Program Committee member.
4. Assume duties of President, if he/she is unable to act.
5. At least six weeks prior to the Annual Meeting, at which you will be installed as President, work with Secretary-Treasurer and current President to develop a proposed annual budget. Submit the budget to EXCOMM for discussion at the Annual Meeting. Donations should be planned for the year as a line item, and expenses for the President designate) to represent the Chapter at AFS National or Division meetings should be included as a line item. The Annual Meeting should also be included as a line item.
6. Review and revise the action agenda for the Chapter by the second EXCOMM Meeting in which you participate.
7. Take the lead role in fundraising activities (i.e., raffle, t-shirt sales, etc.).

Calendar

- By second EXCOMM Meeting, revise Chapter's action agenda.
- At least six weeks prior to Annual Meeting, submit proposed budget to EXCOMM.
- Prior to Annual Meeting, identify new committee chairpersons, to extent possible.
- Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of committee activities.

MEMBERSHIP COMMITTEE

Primary Responsibilities

1. President-elect serves as chairperson and appoints committee members, as appropriate (or may serve as sole committee member).

2. Serves as primary contact for prospective members.

3. Reviews with Secretary-Treasurer the status of membership to assess current trends.

4. Develops specific recruitment strategies, as appropriate.

5. Contacts new Society members in New York, as reported by Northeast Division or through other means.

6. With assistance of Secretary-Treasurer, reports membership status at EXCOMM meetings and Annual Meeting.

Calendar

At first EXCOMM Meeting, prepare membership analysis as basis for discussing objectives and strategies.

Throughout year, contact prospective members; submit newsletter articles, as appropriate.

At each EXCOMM Meeting, submit oral and/or written progress report, as required.

Annual Meeting -- summary report to EXCOMM.

**PROGRAM COMMITTEE
(Annual Meeting)**

Primary Responsibilities

1. Organize and coordinate keynote and invited speaker presentations for the program of the Annual Meeting. Coordinate with President regarding who will make announcements and do introductions. Typically, the President presides over all sessions.

2. Organize and conduct paper and poster presentations and recognition awards for the Annual Meeting.

3. Arrange for meeting-rooms, lodging, and meals at Annual Meeting. Coordinate activities and announcements at Annual Meeting.

[NOTE: Because of the diverse nature of the Committee's responsibilities, a co-chairperson system was initiated on a trial basis for 1991-92. This system calls for one co-

chair to be responsible for program areas (1 & 2 above), and one co-chair to be responsible for meeting logistics (3 above).]

Calendar

At each EXCOMM meeting, submit oral and/or written progress reports, as required.

Ten months prior to Annual Meeting, establish site and confirm dates for Annual Meeting. It is helpful if this is accomplished prior to the year's first EXCOMM Meeting. Appoint committee members. Responsibilities include logistics, awards program, invited speaker arrangements, contributed paper and poster abstract review and arrangements, liaison with student Chapter, and program/abstract handout preparation.

Seven months prior to Annual Meeting, establish fee structure for Annual Meeting, based on contract with meeting site establishment and target budget established in conjunction with EXCOMM. Establish meeting theme(s), in consultation with Executive Committee, and identify potential list of invited speakers.

Five months prior to Annual Meeting, confirm Annual Meeting dates with invited speakers. First call for papers advertised in Fall (September) newsletter (check with newsletter editor for submission deadline). Include paper/poster recognition and awards procedures. Fee structure finalized. General announcement of Annual Meeting site, theme, rates, etc. developed and included in September newsletter. Announcement advertised in AFS, Northeast Division, and other AFS subunit newsletters.

Two months prior to Annual Meeting, initiate invited speaker lodging and transportation arrangements. Develop meeting agenda to be included in December newsletter, along with second call for papers. Start review of submitted papers/posters.

One month prior to Annual Meeting, finalize review of submitted paper/poster abstracts. Develop contributed paper/poster agendas, based on this review. Provide directions on paper and poster presentation preparation to those authors selected to participate to ensure high quality. Solicit awards for poster/paper recognition.

Three weeks prior to Annual Meeting, visit meeting site to confirm all plans and arrangements. Organize and conduct Program Committee Meeting prior to Annual Chapter Meeting to identify and arrange final logistical needs, such as recruitment of student assistants and equipment. Appoint award judges, and prepare rating materials. Finalize meeting agenda and have printed for distribution at Annual Meeting, along with abstracts for invited papers and contributed papers and posters.

At Annual Meeting, oversee registration and all sessions of the meeting, working as liaison with site establishment staff to address/correct any problems which arise. Provide brief Program Committee report at Chapter Annual Meeting. Together with Secretary-Treasurer, review billing documents immediately following Annual Meeting.

One month after Annual Meeting, provide report of expenses relative to planned budget to the EXCOMM by the first meeting. Prepare proposed Annual Meeting budget for the next year for discussion by EXCOMM. Report suggested improvements to EXCOMM for the following year.

WORKSHOP COMMITTEE

Primary Responsibilities

1. Under guidance of EXCOMM, develop and conduct an educational workshop(s) separate or in conjunction with the Annual Meeting. If the workshop is to be in conjunction with the Annual Meeting, coordinate regarding schedules, logistics, fees, and topics with Program Committee.
2. Solicit workshop topic ideas from Chapter members, and select an appropriate topic(s) with guidance from EXCOMM.
3. Develop workshop content, format, and logistical needs.
4. Arrange publicity.
5. Conduct event.
6. Evaluate event.
7. Make specific recommendations to EXCOMM and future workshop committees.

Calendar

- At each EXCOMM Meeting, submit oral and/or written progress reports, as required.
- Twelve months prior to workshop, gain specific subject matter guidance from EXCOMM; appoint primary committee members.
- Eight months prior to workshop, make initial logistical contacts for conference facilities and workshop "instructors".
- Six months prior to workshop, finalize specific arrangements including lodging, schedule, arrangements, publicity plans; submit a short introductory article to the newsletter.
- Four months prior to workshop, advertise workshop and registration procedures to Chapter members and others.
- One month prior to workshop, reminder to all Chapter members and others.
- One month after workshop, provide final report, evaluation, and recommendations to the EXCOMM and to the newsletter.

NEWSLETTER COMMITTEE

Primary Responsibilities

1. Solicit, collate, edit, and arrange for the reproduction and distribution of the Chapter newsletter. Coordinate with the Secretary-Treasurer regarding procedures for copying and distribution. Frequency of publication is determined under guidance of EXCOMM, but typically involves a minimum of three issues per year.

2. Evaluate effectiveness of the newsletter and report to EXCOMM and Chapter membership.
3. Include in newsletter content primary Chapter business and informative current developments or professional resources. The former would include workshop and Annual Meeting announcements, business meeting Minutes, election information, committee reports or requests, draft resolutions, etc.

4. Maintain communications with EXCOMM and other committee chairpersons, especially to remind them when newsletter deadlines are approaching, and seek their contributions to the newsletter.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Dates are tentative and serve as a general guide. Important information often can be added shortly before duplication, which is usually one week before distribution. Example content assumes a late-January Annual Meeting.

(1) Copy due date 28 February for Distribution date 31 March. This issue normally includes the Annual Meeting Minutes and other reports from that meeting.

(2) Copy due date 31 July for Distribution date 31 August. This issue normally contains the first, brief publicity about upcoming Annual meeting events to aid members' preparations.

(3) Copy due date 30 November for Distribution date 31 December. This issue normally contains Annual Meeting program, registration information, and candidate background information for the elections to be held at the Annual Meeting.

RESOLUTIONS COMMITTEE

Primary Responsibilities

1. Monitor current events and development that warrant Chapter comment, support, or action. Resolutions are formal expressions of the views of the membership. Typically, there are two types of resolutions:

(1) Internal - recognizing achievements of members of other organizations or addressing operations of the Chapter.

(2) External - expressing Chapter views on matters of significance to the State's fishery resources.

2. Maintain communication with EXCOMM and other committee chairpersons, particularly the chair of the Environmental Concerns Committee.

3. Develop draft resolution statements, according to current "Roberts Rules of Order".

4. Communicate draft resolution statements through Chapter newsletter and discussion at Annual Meeting.

5. For matters needing fast attention, submit draft resolutions to the EXCOMM rather than the entire membership. The EXCOMM can act on behalf of the membership between

Annual Meetings. When this process is used, be sure to inform the membership via the Chapter newsletter. These should be noted as resolutions from the EXCOMM, not from the entire Chapter membership.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required, and any draft resolutions.

At least one month prior to each newsletter deadline, draft any resolutions that are to be included in the newsletter for review by EXCOMM.

Prior to Annual Meeting, distribute via newsletter or other method any resolutions that are to be discussed and voted upon at the Annual Meeting.

PROFESSIONAL INCENTIVES COMMITTEE

Primary Responsibilities

1. Develop, initiate, and review Chapter activities considered by EXCOMM to provide or enhance professionalism among Chapter members.

2. Specific proposals developed by the Committee will be subject to the review and approval of EXCOMM and Chapter membership.

3. Monitor the various awards the Chapter gives out and make nominations for each, as appropriate (i.e., Honorary Member, Professional Achievement). Such nominations must be reviewed by EXCOMM before submitting them for final Chapter membership vote.

4. Develop a Conservation Award for non-Chapter members.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of committee activities.

At least four weeks prior to Annual Meeting, submit final nominee credentials for awards to EXCOMM.

Variable, depending on charge.

ENVIRONMENTAL CONCERNS COMMITTEE

Primary Responsibilities

1. Monitor current environmental legislation and policy developments that warrant Chapter comment. According to the desires of the Committee, the Committee can be responsive to legislation and policy proposed by others or can be pro-active in suggesting new ideas for environmental policy and management. New, pro-active initiatives should be cleared with EXCOMM before undertaken to make sure the Chapter's tax exempt status is not endangered.

2. Provide timely Chapter comment on important environmental legislation, policies, and procedures. If issue significance warrants and time allows, work with Resolutions Committee to draft a resolution for membership consideration and Chapter resolution at Annual Meeting. If relatively quick response is needed, submit draft response to President

and/or EXCOMM for review and possibly to Resolutions Committee to draft an EXCOMM resolution. If immediate response is needed, submit response after Environmental Concerns Committee review. Contact the Chapter President regarding questions of protocol or propriety.

3. Provide update information to membership through newsletter and reports at Annual Meeting.

4. Committee may reach beyond the confines of Chapter membership to take an active public education role on issues of concern. Outreach activities to audiences other than Chapter membership should occur with the guidance of EXCOMM.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of committee activities.

Variable regarding other duties.

NOMINATING COMMITTEE

Primary Responsibilities

1. The past-President serves as committee chairperson and shall appoint at least one additional member to the Committee.

2. The Committee must identify at least two willing and capable candidates for each office, as follows:

- (1) President-elect: annually
- (2) Secretary-Treasurer: biannually

Selection of candidates is done in consultation with and subject to the approval of EXCOMM.

3. Conduct of elections, including absentee balloting, should be conducted according to accepted procedures, as outlined in current "Roberts Rules of Order".

Calendar

Six months prior to Annual Meeting, identify committee members.

Five months prior to Annual Meeting, identify slate of candidates and collect biographical summaries for inclusion in newsletter and distribution at Annual Meeting; include directions for absentee balloting.

At Annual Meeting, conduct elections, including absentee ballot tallying, if appropriate.

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

AUDIT/FINANCE COMMITTEE

Primary Responsibilities

1. Review with Secretary-Treasurer the status of Chapter financial accounts for report at Annual Meeting.

2. Assess and verify accuracy of Chapter financial records.

3. Advise Secretary-Treasurer on investment of Chapter cash reserves.

4. Upon specific charge of the EXCOMM, review and develop (if necessary) a new, long-range financial strategy in conjunction with a Cash Reserves Committee chosen by the EXCOMM.

Calendar

Prior to or at Annual Meeting, review financial records with Secretary-Treasurer.

At Annual Meeting, present audit report.

Every five years, review Chapter's financial status.

STUDENT SUBUNIT

The general purpose of the Student Subunit is to facilitate communications among student members regarding fisheries science issues and to perform activities that advance the training of students in fisheries science. The Student Subunit has its own president, vice-president, secretary, and treasurer. Activities of the subunit are under the direction of a faculty advisor who is a member of the Chapter.

Primary Responsibilities

1. Elect officers of the subunit.
2. Encourage subunit participation of fisheries students at all colleges and universities in the State.
3. Provide a representative to participate in Chapter EXCOMM meetings as a non-voting member.
4. Perform group activities that will promote and enhance the education of fisheries students in the State.
5. Report on subunit activities in the Chapter newsletter and at Chapter meetings.
6. Encourage participation of subunit members in Chapter, Division, and Society activities.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required. Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of subunit activities. Variable schedule for other activities.

PROFESSIONAL DIVERSITY COMMITTEE

Primary Responsibilities

1. Implement the recommendations included in the "Tri-Society Committee on the Status of Women and Minorities in Natural Resources, Final Report (December 1989)". Priorities may be chosen from the following:

- (1) Expand and propose for Chapter adoption the statement of values and benefits of cultural, racial, and sexual diversity contained in the report.

- (2) In conjunction with the Membership Committee, develop guidelines for recruiting activities including sources of women and minority candidates and types of presentations to make.

- (3) Develop recommendations for ways of providing support systems (networking) and mentoring systems for nontraditional professionals. Encourage establishment of support systems in Chapter.

- (4) Develop Chapter statements on sexual/racial harassment.

- (5) Develop recommendations for how to diversity Chapter leadership.

- (6) Develop guidelines for actively involving spouses and partners in Chapter meetings.

- (7) Suggest draft resolutions to Chapter Resolutions Committee, focusing on professional diversity concerns.

- (8) Implement strategies for providing women, minorities, and urban students opportunities to acquire technical and professional skills to succeed.

2. Continually assess and characterize the status of women and minorities in the fisheries professions and education systems in the State and to report any associated issues or recommendations to the Chapter for consideration and action.

3. Make recommendations to the EXCOMM regarding activities that may be appropriate for other Chapter committees to undertake in order to achieve professional diversity goals.

Calendar

At each EXCOMM Meeting, submit oral and/or written progress reports, as required.

Throughout year, follow newsletter deadline dates for submitting materials to inform Chapter membership of subunit activities.

Variable schedule for other activities.

PAST-PRESIDENT

Primary Responsibilities

1. Forward all appropriate incoming correspondence to the attention of the new Chapter President.
2. Chair the Nominating Committee.
3. Serve as a voting member of the Executive Committee.
4. Update and distribute the Policy and Procedures Manual to all EXCOMM members at the first EXCOMM Meeting following the Annual Meeting.
5. Provide the incoming President with the revised version of the Policy and Procedures Manual in an acceptable software format.

An Introduction to Sampling Design and Statistics

Workshop Notes

December 2-3, 1998
Cortland, New York

PS-1 Power Hypothesis
means of values
0.1 strong
105 Probs
.10 Weak

Instructor:
Dr. Steve Stehman

SUNY College of Environmental Science and Forestry

320 Bray Hall, 1 Forestry Drive

Syracuse, New York 13210

Email: svstehma@mailbox.syr.edu

← email →

also looking for class
examples

If I had only one day
to give I would want to
give at the stats
corner. I guess my
dog would sum up much
longer.]

© 1998 Stephen V. Stehman

OUTLINE

Part 1: Sampling Design

Objective: statistical sampling and population description (means, totals, proportions, ratios)

A. Does sampling matter??? *Gravel = Size Diff. - Random vs Plain*

B. Basic structures: statistical populations, parameters, estimators, frames, sampling design

C. Basic sampling designs (description, advantages and disadvantages)

- a. Simple random
- b. Stratified random
- c. Cluster
- d. Systematic

D. Special Designs and Problems

- a. estimating ratios
- b. ratio and regression estimators
- c. double (two-phase) sampling
- d. point sampling for estimating area
- e. instantaneous counts

Part 2: Statistical Analysis and Inference

Objective:

A. Framework of statistics: inference and why we care about it

B. Basic concepts of inference for a single sample

- a. Means and proportions for a single sample
- b. Confidence intervals
- c. Sample size planning
- d. Type I and II errors, statistical power
- e. Practical significance

C. Toolbox of Methods

- a. Comparing two population means
- b. Regression and correlation: finding relationships between variables
- c. Comparing two or more population proportions

D. Summary

CAUTION The specific formula for an estimator will depend on the sampling design.

- 1. \bar{Y} is an estimator of Y , the population total
- 2. \hat{Y} is an estimator of \bar{Y} , the population mean
- 3. \hat{P} is an estimator of P , the population proportion

Examples:

Notation - an estimator is denoted by placing a \sim over the parameter estimated

- 1. For simple random and systematic sampling, \bar{y} is an estimator of \bar{Y}
- 2. For simple random, s^2 is an estimator of the population variance of Y
- 3. For simple random and systematic sampling, $N\hat{y}$ is an estimator of Y

Examples:

6. Estimator - formula for estimating a parameter based on the sample data

$$\bar{y} = \sum_{u=1}^n y_u / n = \text{sample mean}$$

$$s^2 = \sum_{u=1}^n (y_u - \bar{y})^2 / (n - 1) = (\sum_{u=1}^n y_u^2 - n\bar{y}^2) / (n - 1) = \text{sample variance}$$

y_u = observation or measurement on object u of the population

Examples:

5. Statistic - property of a sample
We will use lower case letters to denote statistics and the observations (variables).

- X = population total of x
- R = population ratio, Y/X
- $\bar{Y} = Y/N$ = population mean
- P = population proportion

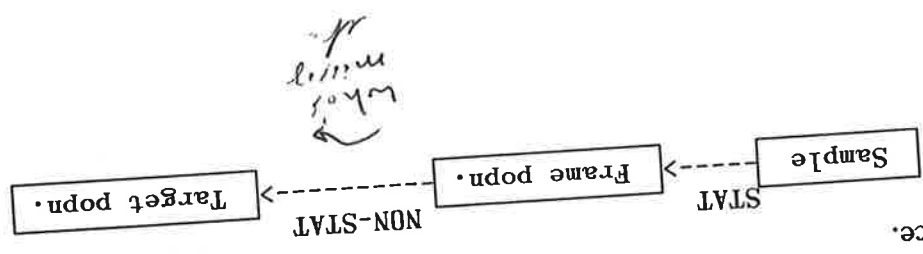
Examples: Y = population total of y

4. Parameter - collective property of a population
We will use capital letters to denote parameters.

← (Census) =
known
everything!

8:40/11

10. Sampling design - an explicit protocol, scheme, rule or plan for selecting a sample from a population



Statistical estimates (inferences) apply to the frame population, not the target population. Generalizing results from the frame to the target population is not a statistical inference.

The Point

Examples:
Licensing
omission, children
more than omission
Criminal records - driver's license

- 1. extra non-target elements may be included in the frame population
 - 2. target elements may be omitted in the frame population (I will include non-response, refusals, and denied access elements here even though those are not really frame problems)
 - 3. frame population may include duplicates
- When might the target and frame populations differ?
8. Target population - the population of actual interest as specified by the objective(s)
 9. Frame population - the population for which a frame is available (this is the population from which we have a sample)

FORMULAS

Total

a) $\bar{Y} = N\bar{y}$ (estimated population total)

b) $\text{var}(\bar{Y}) = N^2(1-f)s^2/n$ (Estimated variance of the estimated total)

Intermediate calculation: $s^2 = \frac{\sum y_n^2 - n\bar{y}^2}{(n-1)}$ (sample variance of the y's)

c) $\sqrt{\text{var}(\bar{Y})} = SE(\bar{Y})$ (Standard error of the estimated total)

Mean

d) \bar{y} (estimates the population mean \bar{Y})

e) $\text{var}(\bar{y}) = (1-f)s^2/n$ (Estimated variance of \bar{y})

f) $\sqrt{\text{var}(\bar{y})} = SE(\bar{y})$ (Standard error of the estimated mean)

Notes

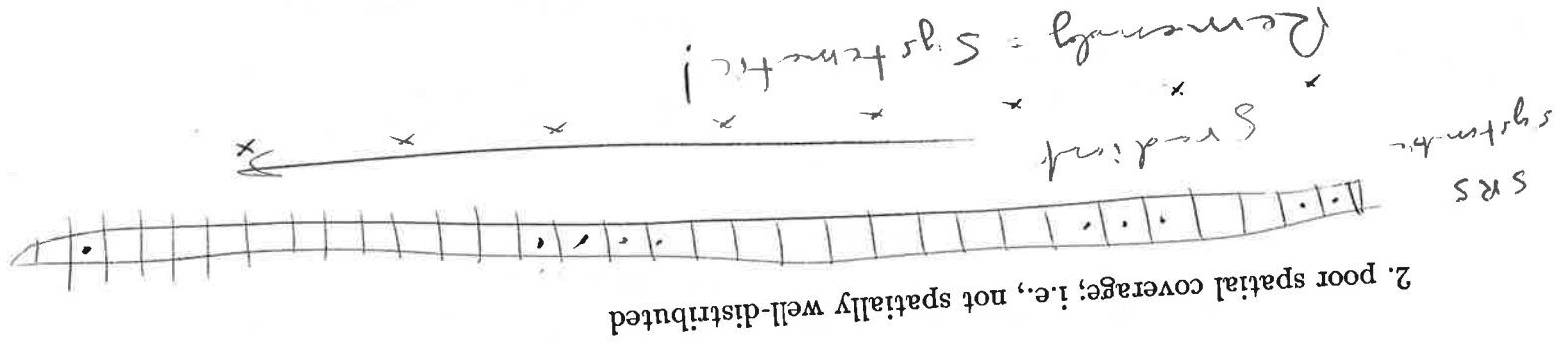
1) $f = n/N$ is called the sampling fraction

2) $(1-f)$ is called the finite population correction factor (fpc)



Example: If 15% of all fishing licenses are sold to women, a simple random sample based on a list frame of licenses will result in about 15% of the sample being women. But you might not have any women! Remedies = stratification!

3. may result in small samples sizes for rare classes or "subpopulations" because it samples classes in proportion to their representation in the population



2. poor spatial coverage; i.e., not spatially well-distributed

Disadvantages
1. may be inefficient (higher variance) relative to stratified, systematic, or cluster sampling

4. easy to combine with more sophisticated estimators (e.g., ratio, regression estimators)
5. adaptable if the sampling design is to be used over time (as in monitoring)

Advantages
1. relatively easy to implement if a list frame is available or the population is not large
2. data analysis is simple
3. easy to correct for errors or other problems in selecting the sample
Example: easy to supplement a simple random sample or to reduce a simple random sample size,

Simple Random Sampling = SRS

VARIANCE RULE

If we multiply or divide an estimator by a constant, we multiply or divide the variance of that estimator by the constant squared. This rule is commonly applied when converting back and forth from means and totals.

Example: The estimated population total is readily converted to an estimated population mean by the formula

$$\hat{Y} = \bar{y} / N$$

The estimated variance of \hat{Y} is then

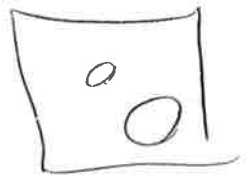
$$\text{var}(\hat{Y}) = \text{var}(\bar{y}) / N^2$$

STREAM GRAVEL (min - proportion = .30 \approx 30%)
 $p = \text{True proportion} = .483$
 $\hat{p} = 31/64 = .483$ (48.4%)

More likely to hit larger percent proportion of AREA

estimate of AREA proportion of AREA
 N of NUMBER
 N of NUMBER

This is valid for AREA NOT NUMBER



Proportion of number

Need to determine Area

~~and estimate~~ don't know proportion
 An Angle Count doesn't give
 est. of # of Angles but time
 spent Angles

Stratified Random Sampling - take a simple random sample within each stratum.

a. $\bar{Y} = \sum_{h=1}^H N_h \bar{y}_h$ (estimated population total)

b. $\text{var}(\bar{Y}) = \sum_{h=1}^H N_h^2 (1 - f_h) s_{y_h}^2 / n_h$ (estimated variance of the estimated total)

c. $\hat{Y} = \bar{Y} / N$ (estimated population mean)

d. $\text{var}(\hat{Y}) = \text{var}(\bar{Y}) / N^2$ (estimated variance of the estimated mean)

CAUTION Taking the mean of the sample, \bar{y} , without regard to strata can result in a very poor (i.e., badly biased) estimate of the population mean, \bar{Y} . \bar{Y} / N is an unbiased estimator of the population mean.

Advantages

1. Improve precision of estimates of overall population parameters if stratification principle is satisfied.

2. Ensures a specified sample size in each stratum. This is especially important if the objectives require estimating stratum specific means or totals. We can choose a sample size in each stratum that will allow us to estimate stratum-specific means or totals with acceptable precision (standard error).

3. Provide administrative convenience for implementing the sample. *→ Work easier*

Remember since you sample "rare" sample

STRATIFICATION PRINCIPLE

To obtain a decrease in variance ("better precision") with stratified sampling, the strata should be formed so that we have homogeneous elements within strata, and heterogeneity among strata. That is, strata should be similar within, but different from each other.

Translating the stratification principle to statistical terms, we want:

- Variance within each stratum to be small \leftarrow Small
- Means of the strata to differ

Coins \rightarrow
 Lower generally
 more coin than
 Women!

Example: Stratified Sampling

Suppose the sampling unit is a 1-hour period and the population is defined to be 7 days, each day 7 a.m. to 7 p.m., at a particular boat launch. Boats returning to the launch within a sampled 1-hour period are selected into the sample. The sample is stratified by weekend and weekdays. A stratified random sample is obtained with 8 1-hour periods sampled for the weekend, and 8 1-hour periods sampled for the weekdays.

$N = 84$ (12 1-hour periods x 7 days)
 $N_1 = 60$ (weekdays)
 $N_2 = 24$ (weekend)
 $n_1 = 8$
 $n_2 = 8$

Data:
 y = number of anglers returning to the check point

Weekdays (Stratum 1): 5, 9, 3, 0, 0, 10, 4, 4
 Weekend (Stratum 2): 9, 22, 13, 20, 14, 25, 7, 17

Formulas and calculations:

STRATUM	N_h	n_h	\bar{y}_h	$\bar{Y}_h = N_h \bar{y}_h$	s_{yh}^2	$N_h^2(1 - f_h)s_{yh}^2/n_h$
1 (Weekdays)	60	8	4.375	262.5	13.41	5229.9
2 (Weekend)	24	8	15.875	381.0	39.55	1898.4
				$\bar{Y} = 643.5$		

5229.9 + 1898.4 = 5128.3
do this

$$N^2(1 - f_1)s_{y1}^2/n_1 = 60^2(1 - 8/60)(13.41)/8 = 5229.9$$

$$s_{y1}^2 = \frac{\sum y_1^2 - n_1 \bar{y}_1^2}{n_1 - 1} = \frac{247 - 8(4.375)^2}{8 - 1} = 13.41$$

$$\sum y_1^2 = 5^2 + 9^2 + 3^2 + 0^2 + 0^2 + 10^2 + 4^2 + 4^2 = 247$$

$$\bar{y}_1 = (5 + 9 + 3 + 0 + 0 + 10 + 4 + 4)/8 = 35/8 = 4.375$$

Stratum 1:

CLUSTER SAMPLING

Cluster sampling - sample groups (or clusters) of elements rather than selecting individual elements (we will focus on taking a SRS of clusters).

Approach

1. Partition the population into N clusters
- treat the population as a population of clusters
- the clusters become the objects sampled
- we use all the formulas we have studied previously for SRS

2. The N clusters are the primary sampling units, psu 's
3. Units within a cluster are called secondary sampling units, ssu 's
4. One-stage cluster sampling - observe all ssu 's in each sampled psu
5. Two-stage cluster sampling - observe a subset of the ssu 's in each sampled psu

Examples

1. Angler parties ($psu = party, ssu = angler$)
2. Charter boats ($psu = boat, ssu = angler$)
3. $psu =$ time period (e.g., 1 hour), $ssu =$ angler party
4. Others?

Notation and formulas for one-stage cluster sampling (assume a SRS or systematic sample of n clusters from the N available):

*pull all in
column
→ take
psu's!*

- $N =$ number of psu 's in population
- $n =$ number of psu 's in sample
- $M =$ number of ssu 's in population (may be unknown)

*N
1000*

If better it # provided in each cluster (psu)

Cont 2 parts / 4 e 2 sides

control 1 e 2 file

*2 files
people
file*

Instead of error?

CLUSTERING PRINCIPLE

For maximum precision in cluster sampling, clusters should be formed so that the individuals within a cluster vary as much as possible. That is, the elements within a cluster should be as different as possible.

Intuition: If all ssu's in the psu are the same, we get little new information by looking at those additional ssu's. Therefore, we would like the ssu's within a psu to vary so that we can observe more of the population diversity.

Advantages

1. Cost efficiency (travel costs may be kept low, get more information for less cost)

2. If the ssu's within a cluster are different from each other, cluster sampling has good precision

Disadvantages

1. Usually the ssu's within a cluster are similar, so that cluster sampling is inefficient; but the advantage of convenience of cluster sampling is usually gained because the elements within a cluster are close together -- unfortunately, this also usually means that the elements of a cluster are homogeneous.

CAUTION

2. Does not satisfy the assumptions of standard statistical analyses (e.g., regression, analysis of variance, chi-square tests, t-tests) because observations within a cluster are not independent.

Strata versus Clusters

Similar

Strata:

1. take a subset of units in every stratum
2. group similar items into strata (stratification principle)

Clusters:

1. take all units in a subset of clusters
2. group dissimilar items into clusters (clustering principle)

Chopra but more variable!

$\text{var}(\bar{Y}) = \text{var}(Y)/M^2$ is the normal variance estimator for the estimated mean number of fish caught per angler, but we cannot use that here because we do not know M, but rather we estimated M by \hat{M} . We would need to use a ratio estimator variance formula.

$\text{var}(\bar{Y}) = (1 - n/N)s^2/n = (1 - 5/47)(884)/5 = 157.99$
 $\text{SE}(\bar{Y}) = \sqrt{157.99} = 12.57$ (standard error of the estimated mean per boat)

Relative error = $\text{SE}(\bar{Y})/\bar{Y} = 590.76/545.2 = 1.05$ (105% -- we lose!)

$\text{SE}(\bar{Y}) = \sqrt{349,003.2} = 590.76$ (standard error of the estimated total)

$\text{var}(\bar{Y}) = N^2(1-f)s^2/n = 47^2(1 - 5/47)(884)/5 = 349,003.2$

$s^2 = \frac{884 - 5(11.6)^2}{5-1} = 52.8$

$\sum y_n^2 = 22^2 + 10^2 + 10^2 + 14^2 + 2^2 = 884$

$s^2 = \frac{\sum y_n^2 - n\bar{y}^2}{n-1}$ = sample variance of the cluster values

Variance estimation

Variance Estimation

An unbiased estimator is not available, so we must rely on approximations. Two variance approximations are provided.

Method A. Use a variance estimator appropriate for simple random sampling, therefore implicitly assuming that the ordering of the population is such that the systematic sample behaves similarly to a simple random sample:

$$4. \text{var}_1(\hat{Y}) = N^2(1-f)s_y^2/n$$

(Because this approximation is based on the variance estimator for simple random sampling, it will work well if the population is essentially in "random" order.)

Method B. Use an alternative variance estimator based on the mean-square successive difference.

$$5. \text{var}_2(\hat{Y}) = N^2(1-f)\delta^2/n, \text{ where}$$

$$6. \delta^2 = \frac{1}{n-1} \sum_{i=1}^{n-1} (y_{i+1} - y_i)^2$$

(δ^2 is the mean square successive difference) *2*

The "see-saw" effect of variance estimation in systematic sampling: The general trend of the bias of the systematic sampling variance estimators is known.

- As the "true" variance of the systematic sample decreases (i.e., the design leads to very repeatable results for the estimated parameter from the possible systematic samples that might have been selected), the estimated variance increases.
- As the true variance of the systematic sample increases, the estimated variance decreases.

• See-saw effect

True variance \downarrow , estimated variance \downarrow

True variance \uparrow , estimated variance \uparrow

- When systematic sampling has actually worked well, the estimated variance will be too high ("conservative").

Notes

1. $\text{var}_2(\hat{Y})$ is preferred because it has smaller bias than $\text{var}_1(\hat{Y})$
2. $\text{var}_2(\hat{Y})$ does not generalize easily to systematic sampling in two dimensions
3. $\text{var}_2(\hat{Y})$ is much less familiar to users, which may make some hesitate to use it (more likely to be asked about it!)

~~Wrote~~ Went to post 2 did paper 37 to 47 -
Then came back to ps 22

Reminder: CLUSTERING PRINCIPLE
For maximum precision in cluster sampling, clusters should be formed so that the individuals within a cluster vary as much as possible. That is, the elements within a cluster should be as different as possible.
Systematic sampling will work well if elements within the systematic sample are heterogeneous, which means that neighboring elements in the population should be homogeneous.

When we choose the systematic sample, we choose one of these 3 "clusters" depending on the random start K.

"Cluster 1": Elements	1	4	7	10
"Cluster 2": Elements	2	5	8	11
"Cluster 3": Elements	3	6	9	12

Suppose $N = 12$ and $K = 3$. The possible systematic samples are:

Systematic sampling may be viewed as a cluster sample of size $n = 1$ as follows.

When is systematic sampling a good design? Apply the clustering principle!

Like
A Day
in
the
Sun
22



Disadvantages

1. no generally satisfactory variance estimator
2. poor precision when sampling systematically in phase with periodicity in a population

Advantages of systematic sampling

1. practical and convenient to implement in the field
2. often provides better precision than SRS
3. provides more complete spatial coverage than SRS

RATIO ESTIMATOR

Why use a ratio estimator?

1. Parameter of interest is a ratio, $R = Y/X = \bar{Y}/\bar{X}$

a. Y = total catch, X = total effort

b. Y = total spent on lodging, X = total spent on trip

c. Estimate a mean when the size of the population is unknown (cluster sampling)

$\hat{Y} = \bar{Y}/\bar{M} = \text{mean catch per angler}$ (psu = boat, ssu = angler)

2. Improve precision of estimators by using information in an auxiliary variable, x , which is correlated with the response variable of interest, y .

Notation

x_u = auxiliary variable measured on sample element u

y_u = response variable measured on sample element u

X = population total of x

Y = population total of y

$R = Y/X$ = population ratio

Formulas (for simple random, systematic, and cluster sampling):

1. $\hat{R} = \bar{y}/\bar{x}$ (sometimes called the "ratio of means" estimator)

Note: \hat{R} is biased, but the bias is small if n is large ($n > 25$ as a rough guide, but bias may be negligible for n as small as 10). A bias formula is given in Cochran (1977, eq. 6.33).

2. $\text{var}(\hat{R}) = \frac{1 - f}{n-1} \frac{\sum (y_u - R x_u)^2}{\sum x_u^2}$ (estimated variance of the estimated ratio)

$$= \frac{1-f}{n} (s_y^2 + R^2 s_x^2 - 2R s_{yx})$$

Notes:

a) recall $f = n/N$

b) $s_{yx} = (\sum x_u y_u - n \bar{x} \bar{y}) / (n-1)$ = sample covariance of x and y

c) s_y^2 and s_x^2 are the sample variances of y and x , respectively

$x = \# \text{ anglers on boat}$
 $y = \# \text{ fish caught}$

4. These estimates are further complicated if we have stratification. We then have to decide how to combine the data over strata. The two options are to use a combined ratio estimator or to use a separate ratio estimator. Details are in Sections 6.10 and 6.11 of Cochran, W.G. (1977, *Sampling Techniques*, John Wiley).

3. We could estimate the total catch for the 12-hour period by $\hat{Y} = N\bar{y} = 36 \times 2.6 = 93.6$, and the estimate of the number of angler hours in the 12-hour period is $\hat{X} = N\bar{x} = 36 \times 39.7 = 1429.2$. Note that it does not matter that the 20-minute sampling periods may have very different numbers of angler hours when estimating the total catch. We still just use y for each sampled 20-minute period -- this is the concept of cluster sampling where the psu = 20-minute period.

2. The mean of ratios estimator (at least for the sampling design used in the example) estimates the "average" angler doing?). See Pollock et al. (1997, "Catch rate estimation for roving and access point surveys," *North American Journal of Fisheries Management* 17: 11-19).

1. If we simply averaged the catch rates per time period (average the column of r 's), the estimate is different depending on the data. The mean of ratios estimator has a different variance estimation formula from the one used for \bar{R} .

Notes:
 This is with only 10 periods
 95% CI in catch rate .032 to .095
 CI $\hat{R} \pm 2 \times SE(\hat{R}) = .0655 \pm 2(.0146) =$
 SE(R) = $\sqrt{0.00021426} = 0.0146$ (standard error of the estimated mean catch rate)

var: 0.0146
 catch rate
 from
 page 44

$$= (0.000045824) \times (4.67576) = 0.00021426$$

$$= \frac{1 - 10/36}{10(39.7)^2} [6.71 + (0.0655)^2(1109.57) - 2(0.0655)(51.867)]$$

$$\text{var}(\bar{R}) = \frac{1}{n} \left(s_y^2 + R^2 s_x^2 - 2R s_{yx} \right)$$

$$s_{yx} = \frac{(\sum x_i y_i - n\bar{x}\bar{y})}{n-1} = \frac{1499 - 10(39.7)(2.6)}{10-1} = 51.867$$

$$\sum x_i y_i = 27(2) + 55(3) + 120(6) + \dots + 51(2) = 1499$$

Variance estimation

Regression Estimators and Double Sampling

Method:

1. Select a large sample of elements in the first phase of the sample and collect information on x (ideally these data are inexpensive to collect).

2. Select a subsample of the first phase sample and observe the variable of interest, y . The x 's obtained at step 1 of the sample are used to construct the regression estimates and to estimate the mean or total of the x 's.



Notation

1. \bar{x}' = mean of the x 's in the first phase sample
2. \bar{x} = mean of the x 's in the second phase sample
3. \bar{y} = mean of the y 's in the second phase sample
4. b = least squares regression coefficient of y on x (from second phase sample)
5. n' = size of first phase sample
6. n = size of the second phase sample
7. ρ = population correlation between y and x
8. s_y^2 = sample variance of the y 's (from second phase sample)
9. $s_{y \cdot x}^2$ = residual mean square of the regression of y on x from the 2nd phase sample

Formulas

$$1. b = \frac{\sum_{i=1}^n x_i y_i - n \bar{x} \bar{y}}{\sum_{i=1}^n x_i^2 - n \bar{x}^2} \quad (\text{regression of } y \text{ on } x \text{ for second phase sample})$$

$$2. \hat{Y}^{reg} = \bar{y} + b(\bar{x}' - \bar{x}) \quad (\text{two-phase sampling estimator of } \bar{Y})$$

$$3. \text{var}(\hat{Y}^{reg}) = \frac{\pi}{s_y^2} + \frac{\pi}{s_y^2 - s_{y \cdot x}^2} - \frac{N}{s_y^2} \quad (\text{estimated variance})$$

$$\text{where } s_{y \cdot x}^2 = \frac{1}{n-2} \left[\sum_{i=1}^n (y_i - \bar{y})^2 - b^2 \sum_{i=1}^n (x_i - \bar{x})^2 \right]$$

The Point When we sample objects with different probabilities, what we measure is not necessarily what we are estimating. Counting objects estimates area in this case.

To estimate number of objects, we must record the area (a_u) of the objects hit by the sample points.

The overall estimate of number of objects is then $\hat{N} = \sum (\lambda/a_u)/n = \frac{\hat{A}}{n} \sum (1/a_u)$
 Then $\hat{N}_j = \lambda(1/a_u)$ if sample point j hits object u , and $\hat{N}_j = 0$ if the sample point does not hit an object (or region) of interest.

To estimate number of objects, set $y_u = 1$.

Estimating the Number of Objects, N :

** When we counted the number of M&M's, we were actually estimating area. **

To estimate area, we count the number of sample points hitting the objects of interest, n_o .

The overall estimate of area is then $\hat{A} = \sum \lambda/n = \lambda(n_o/n)$, which is λ times the sample proportion of objects hit.
 Then $\hat{A}_j = \lambda(a_u/a_u)$ if sample point j hits object u , and $\hat{A}_j = 0$ if the sample point does not hit an object (or region) of interest.

To estimate area, the response of interest is $y_u = a_u$

Estimating Proportion of Area, A :

$$2. s^2 = \frac{\sum_{j=1}^n (Y_j - \bar{Y})^2}{n-1} = \frac{\sum_{j=1}^n Y_j^2 - n\bar{Y}^2}{n-1}$$

(s^2 is the sample variance of the $n Y_j$'s)

$$1. \text{var}(Y) = s^2/n$$

Variance estimation:

1. We have to include the 0's which occur when the sample point does not hit an object of the class of interest. This is also necessary for variance estimation.
2. The estimator \bar{Y} is just a mean of the n sample points.

Notes:

$$\bar{Y} = \frac{\sum_{j=1}^n Y_j}{n} \quad (\text{estimated total of the variable } Y)$$

5. To combine all n sample points, we average the values of \bar{Y}_j to obtain

Formulas

Let ℓ_u = total length of fishing time for angler u.

The probability of sampling angler u is $\pi_u = \ell_u/L$, where $L = 12$ hours

1) For each sampling time, we obtain an estimate of the population total of interest. This estimate must account for the fact that anglers are sampled with different probabilities.

2) For sampling time j, the estimated total is

$$\hat{Y}_j = \sum y_u / \pi_u,$$

where we sum over all anglers counted.

NOTE:

- a) If no anglers are visible at time j, record $\hat{Y}_j = 0$.
- b) y_u can be any variable measured on the angler (e.g., fish caught, hours fished),

3. To combine all n sample times, we average the values of \hat{Y}_j to obtain

$$\bar{Y} = \frac{1}{n} \sum_{j=1}^n \hat{Y}_j / n \quad (\text{estimated total of the variable } Y)$$

Variance estimation:

$$4. \text{var}(\bar{Y}) = s^2/n$$

$$5. s^2 = \frac{\sum_{j=1}^n (\hat{Y}_j - \bar{Y})^2}{n-1} = \frac{\sum_{j=1}^n \hat{Y}_j^2 - n\bar{Y}^2}{n-1} \quad (s^2 \text{ is the sample variance of the } n \hat{Y}_j\text{'s})$$

Special Case: Estimating hours fished

For this case, the response of interest is $y_u = \ell_u$. If we substitute ℓ_u for y_u and $\pi_u = \ell_u/L$ into the formula for \hat{Y}_j , the estimated total angler hours is

$$\hat{Y}_j = \sum y_u / \pi_u = \sum \ell_u / (\ell_u/L) = L \sum 1 = L * (\text{number of anglers seen})$$

Counting the number of anglers provides us with an estimate of the length of time

fishing.

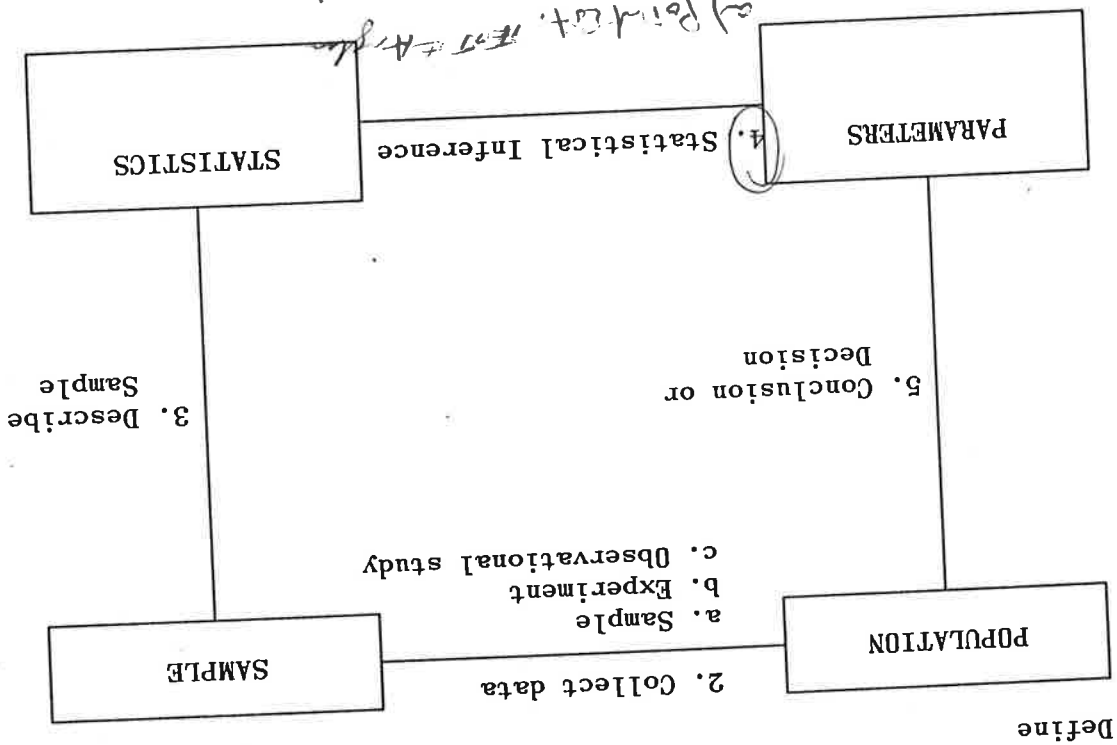
Planning formulas apply here!

*y = fish caught
= length of trip
= etc.*



Part 2: Statistical Analysis and Inference

FRAMEWORK OF STATISTICS



Problem: because of sampling variability, statistical inferences are uncertain; we cannot say exactly what the value of a parameter such as μ or p is.

Solution: the two main statistical inference techniques include ways to account for and quantify the uncertainty of the inferences:

- Confidence intervals: provide an interval of values which are reasonable for the parameter; quantify uncertainty by the confidence level, C .
- Hypothesis testing: tests whether the parameter could be a certain value, and quantifies uncertainty by providing probabilities for various types of errors when making the decisions about whether a certain value of the parameter is reasonable or not.

Statistical inference: techniques for making statements about population parameters based on sample statistics.

Sampling from small sample to overall population

problem No Problem

Y/N

The Point

The data do not have to be normally distributed to compute confidence intervals based on the normal distribution are valid. The assumption is that the distribution of the estimator, not the data, is close to Normal. We do not want to impose unnecessarily strict requirements to force a "bell curve" (normal distribution) upon our data analysis.

- If the population distribution of y is highly skewed, $n > 30$ usually adequate (may need $n > 100$ in some cases).
- If the population distribution of y is symmetric, $n > 15$ usually adequate (n can even be as small as 5).

How "large" the sample must be before the Central Limit Theorem applies depends on the population distribution of the observed variable, y :

The Theorem states: If the sample size is sufficiently large, the sampling distribution of the mean (\bar{y}) is close to normal so we can use the normal and t distributions for confidence intervals and hypothesis tests.

skewed



Central Limit Theorem

CLT

1b. y is not normally distributed, but n is large enough so that the Central Limit Theorem applies

Gall Curve



1a. The population distribution of the observed variable y is Normal

Assume:

Procedure: Suppose we have a simple random sample, y_1, y_2, \dots, y_n

Calculations (we assume the sample size is large enough that the Central Limit Theorem applies)

	SEMEAN	STDEV	MEDIAN	MEAN	n	y=weight
	1.64	9.29	25.95	26.85	32	

$\bar{y} = 26.85$

$s = 9.29$ (computed from usual formula, $s = \sqrt{s^2}$)

$SE(\bar{y}) = s/\sqrt{n} = 1.64$

(NOTE: inference about μ usually drops the 1-t part of the SRS variance estimator.)

t has $n - 1 = 31$ degrees of freedom, so $t^* = 2.042$ for a 95% confidence interval.

Then,

$\bar{y} \pm t^*s/\sqrt{n}$
from table

$26.85 \pm 2.042(9.29/\sqrt{32})$

26.85 ± 3.35

A 95% confidence interval for the population mean weight of bass (μ) in this lake is

23.5 to 30.2 grams

What is the margin of error for this problem? *3.35*

Important Point

The general form of a confidence interval (except for proportions -- next topic) is

$Estimate \pm t^*SE(Estimate)$

where $SE(Estimate)$ is the standard error of the estimate.

We could use this general form for our estimates in the first part of the workshop on sampling design.

Example: $\bar{y} \pm t^*SE(\bar{y})$

For large sample sizes, $t^* \approx 2$, so a 95% confidence interval would be $\bar{y} \pm 2*SE(\bar{y})$

Some assumptions for CI for p

The binomial model assumes independent observations. Here is a situation where cluster sampling results in a violation of that assumption. The confidence interval formula given here does not apply to cluster sampling. The formula does not apply to stratified random sampling, either, because the standard error for stratified sampling would be different from the formula used above.

CAUTION

CHECK: This formula can be used if $n\hat{p} \geq 10$ AND $n(1-\hat{p}) \geq 10$.

where z^* is a percentile from the standard normal table (z^* can be read from the line in the t-table with ∞ degrees of freedom).
may be given

*Not
t
table
but*

$$\hat{p} \pm z^* \sqrt{\hat{p}(1-\hat{p})/n}$$

A level C confidence interval for p is given by
Confidence Interval

The probability distribution of the count $y =$ number of successes in a binomial experiment is called the binomial distribution with parameters n and p .

1. There are a fixed number of observations, n .
2. The n observations are all independent.
3. Each observation falls into one of just two categories, which for convenience we call "success" and "failure."
4. The probability of a success, p , is the same for each observation.

Properties of a Binomial Experiment - Coin toss (independent)

$p =$ population proportion of successes from a Binomial experiment
 $\hat{p} = y/n =$ sample proportion of successes ($y =$ number of successes)

Confidence Interval for a Population Proportion, p

Measured variable length

Observation is a categorical variable vs types

There is nothing that says "here is why you do"

from our school only very well about - 15%
 because we don't know

$$n = \left[\frac{1.645(9.29)}{2.5} \right]^2 = 37.36 \text{ fish}$$

need 37 or 38 fish!

from prior study on page 40
 $s = 9.29$
 $\sigma = ?$

We can use the formula if we know the % of fish that are important and abstract
 $n = \left(\frac{z^* \sigma}{E} \right)^2$

$w = 2.5\%$ we rich
 $z^* = 1.645$ we rich

Example: Suppose we want to determine the sample size for the number of bass we would need to sample to obtain a 90% confidence interval for the population mean weight (μ) with a margin of error of 2.5 g. What sample size should we take?

1. use s from a small pilot study
 2. use s from previous or related studies
 3. calculate n for a range of possible σ values
- $\sigma =$ best guess at the standard deviation \leftarrow population stn. div.
 $z^* =$ percentile from standard normal table
 we rich 90% CI
 $\therefore z^* = 1.645$
 from confidence level
- m = margin of error ($2 * m$ is the width of the confidence interval)

Estimating a population mean, μ

Formula: $n = \left[\frac{z^* \sigma}{m} \right]^2$

- n increases if:
- 1) CI is higher
 - 2) std. dev. \uparrow greater
 - 3) m \downarrow

Sample Size Calculations: Means

We know that we will not get a 100% response rate. What would we do to ensure that we obtain the specified sample size of respondents from our sample size determination?

Proportion Problem Continued

Suppose the sample size determination for $m = 0.05$ and 95% confidence is too large for our budget. What can we do?

The planning $n = (354)$ and add in m^* (expected non-response rate)

$n^* (\text{expected non-response rate}) = 154 \text{ extra surveys}$

Expected $384 * (.4) = 154 \text{ extra surveys}$

40% non-response

Civil Trial - only seen in criminal

Criminal Trial H_0 : "Innocent" H_a : "Guilty"
only "guilty" if strong evidence that H_0 exists

- Notes
1. Specify one-sided or two-sided H_a prior to collecting data (depends on objectives).
 2. One-sided tests are preferable (better able to detect differences).
 3. Choose a one-sided H_a if you are looking for a difference in a particular direction.
Key words indicating a one-sided H_a : greater, increase, decrease, higher, lower, faster, better, stronger, etc.

Burden of proof that $\alpha > 4!$
 $H_0: \mu \leq 4$

2. Null hypothesis, H_0 - the hypothesis you want to evaluate, logical opposite of H_a
 - the "no effect" hypothesis
 - this is the hypothesis you assume is true unless you have strong evidence against it

$H_a: \mu > 4$

1. Alternative hypothesis, H_a - the hypothesis you wish to claim is true
 - sometimes it is the hypothesis that will result in an action being taken
 - H_a is the hypothesis that you want to have strong evidence for if you are going to claim it is true
 - usually it is easier to write H_0 first
- Hypothesis testing begins by specifying the null and alternative hypotheses.

P-values and Significance Levels

- Statistical programs often compute the **P-value** for a hypothesis test.

(for H_0) The P-value evaluates the strength of the evidence against the null hypothesis.
 1) **Small P-value**: strong evidence against H_0 . (strong evideⁿ for H_0)
 2) **Large P-value**: not much evidence against H_0 . (not evideⁿ for H_0)

- If the P-value is as small or smaller than α , we say the result is statistically significant and we reject H_0 .
 $\alpha = \text{sig nificant value}$

- We specify α depending on how much evidence we want against H_0 before we are willing to claim that it is false. α can be selected before the data are collected.

Strong evideⁿ against H_0 : $\alpha = .01$
 Moderate Level: $\alpha = .05$
 if don't need strong evideⁿ against H_0 : $\alpha = .10$

- What is the primary difference between P-values and significance levels? P-values depend on the data, significance levels (α) do not -- we choose α .

- Note: in the context of decision-making, it is sometimes helpful to think of the P-value as the smallest α at which we could claim H_0 false.

***** Rule for P-values and α *****

- A hypothesis test at level α rejects H_0 (finds H_0 false) if and only if the P-value is less than α . That is,
 - if P-value $\leq \alpha$, reject H_0 at level α
 - if P-value $> \alpha$, fail to reject H_0 at level α



10%
 1%

Example 2. Suppose that the limit on steelhead for Lake Ontario tributaries is μ . A survey is conducted in which anglers are asked, "What would you like to see as the limit for steelhead on the tributaries?" The choices are 1 through 5. The mean response was 2.18 with a standard error of 0.07, based on a sample of 238 responses. Does the sample result indicate that the population mean limit anglers would like to see exceeds the current limit?

Don't have strong evidence that $\mu < 2.18$
 4.23 is not strongly different from
 noise!
 Don't have much evidence either way!

Hypothesis Testing for a Population Proportion, p

Large Sample Method

Hypotheses:

$$H_0: p = p_0$$

$$H_a: p \neq p_0$$

(p_0 is the hypothesized value to be tested)

Test Statistic:

$$z = \frac{\hat{p} - p_0}{\sqrt{p_0(1-p_0)/n}}$$

Rejection Region: Specify depending on H_a .

Note: Always use the z-table when testing for proportions.

Check (to see if large sample method is appropriate):

$$1. np_0 \geq 10$$

$$2. n(1-p_0) \geq 10$$

(use hypothesized p_0 here, not \hat{p} as we did in the confidence interval check)

Errors in Hypothesis Testing

- The uncertainty of statistical inference leaves us susceptible to two kinds of errors:
- Statistical procedures are designed so that we know the probability of committing each of these types of errors.
- We set up experiments to control these error probabilities at acceptable levels.

Type I Error

- Type I Error occurs when we reject H_0 when it is true (drawing an unwarranted conclusion by accepting H_a as true).
WRNT IT TO BE "LOW"
- The probability of a Type I error is called the significance level.
" α " level
- The significance level is set at some predetermined, acceptably small level.

- Choice of a type I error rate should depend on the seriousness of making an error.
Not serious $\alpha = .10$

Example: Suppose we must decide whether to market a new drug on the basis of its performance in a trial of 500 subjects. The new drug is compared to a standard, existing drug, so the company is interested in determining if its performance is better than the standard. What α would we choose for each of the following hypothetical situations?

- A) The new drug has no (or minimal) side effects, and it is inexpensive to start producing the drug. *$\alpha = .10$*
 - B) The new drug has potentially serious side effects, and the cost of production of the new drug is \$20 million because it will require a factory and production line. *$\alpha = .01$*
- Not serious*

Hypothesis Testing Experiment (Coin Tossing)
 Objective: This exercise is designed to illustrate the meaning of Type I and II errors, and power, in a simple, familiar setting, tossing a coin.

Instructions:

- a) Toss a coin 20 times and record the number of Heads that appear in the 20 tosses. _____
- b) What is the parameter of interest in this problem? What do you think the true value of the parameter is? _____

c) Using your result from part a), we will test $H_0: p = 0.5$ vs $H_a: p \neq 0.5$. Use $\alpha = 0.05$.

1. Should we reject H_0 given what we know about p? _____

2. If we reject H_0 , what type of error have we committed? _____

3. What is the probability of committing this type of error? _____

Normally we would test this using the statistic $z = \frac{\hat{p} - p_0}{\sqrt{p_0(1-p_0)/n}}$. To get our results without

having to use a calculator, we can use the following rule: if the number of heads is y,

Reject H_0 if $y \leq 5$ or $y \geq 15$

4. Did you reject H_0 ? _____

5. Overall class results:

Number of people participating _____
 Number of type I errors _____
 Proportion of type I errors _____

- 1) subtract $\frac{1}{2}$ (the hypothesized median) from each observation.
- 2) take the absolute value of this difference (i.e., drop the negative signs)
- 3) rank these values (ties get average rank of tied values)

The nonparametric test works as follows:

$$H_0: n > 4.$$

We want to test the null hypothesis that the population median (η) is equal to 4, versus $\eta > 4$.
 The nonparametric test result can be approximated by computing a one-sample t-test on the signed ranks and testing if the mean signed rank is 0.

The regulation is stated such that strong evidence is needed that clarity exceeds 4 feet. If we define the regulation in terms of the population median being 4, we could use Wilcoxon test to evaluate this hypothesis.

1.4 2.5 3.5 | 4.3 4.3 4.8 5.1 5.8 6.4

Signed-Rank or Wilcoxon Test: One sample procedure
 Example: Suppose a regulation for water quality specifies that the water must have clarity exceeding 4 feet (as measured by Secchi depth). A sample of 9 Secchi depth measurements results in the data shown (sorted):

SW 8/52

- do not depend on a normality assumption, but they do still require independent observations in the sample
- often work with the ranks of the data, rather than the raw data
- inferences often apply to the median (or difference in medians), not the mean
- lose a little power relative to "parametric" methods if the normality assumption is valid

"2 methods" but "rank" data!

Distribution free procedures: *now - null change*

- 1 Strongly agree
- 2 Agree
- 3 Neutral
- 4 Disagree
- 5 Strongly disagree

Ex 2: Keeping most of the fish that I catch is an important part of my angling experience.

- Less
 - Same
 - More
- IS DIFFERENTIAL [1 more 2 same or 2 more 5]*

Ex 1: Increasing the lake limit to more than 3 steelhead would cause me to fish...

- Data are highly skewed and sample size is small so that CLTm does not apply
- Variable recorded is such that taking the mean may not make sense

When would we use these methods?

Nonparametric or Distribution-free Methods

Comparing Population Means from Two Independent Samples

Examples:

1. When anglers are asked to choose the steelhead limit for the open lake (Lake Ontario), do anglers identifying themselves as lake anglers differ in their limit from the limit stated by those identifying themselves as tributary anglers?

2. Sites for Maryland coastal plain streams were identified as impacted or relatively unimpacted by agricultural activities (channelization and riparian destruction) and urban development. A Rapid Bioassessment Protocol (RBP) measurement was obtained on a sample of sites from the impacted and unimpacted streams. Is the mean RBP higher for unimpacted sites compared to impacted sites? (See M.C. Scott and L.W. Hall (1997), "Fish assemblages as indicators of environmental degradation in Maryland coastal plain streams," *Transactions of the American Fisheries Society*, 126: 349-360.)

Goal: Compare two population means, μ_1 and μ_2

Notation:

	Mean Value	Variance	Standard Deviation
Population 1	μ_1	σ_1^2	σ_1
Population 2	μ_2	σ_2^2	σ_2

	Sample Size	Mean	Variance	Standard Deviation
Sample from 1	n_1	\bar{y}_1	s_1^2	s_1
Sample from 2	n_2	\bar{y}_2	s_2^2	s_2

Assumptions:

1. Random sample from each population.
2. Sample sizes n_1 and n_2 are both large so that the Central Limit Theorem holds for the distribution of \bar{y}_1 and \bar{y}_2 .

Nonparametric Test for Comparing Medians of Two Independent Samples

Mann-Whitney Test: Two sample analog to the separate variance t-test
Application: comparing medians of two populations.

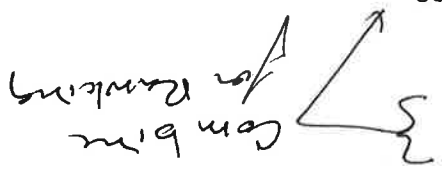
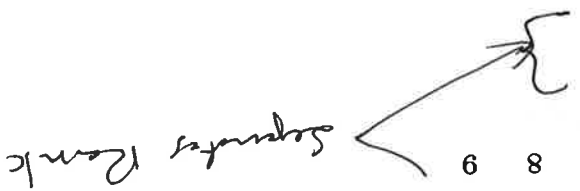
- Method:
- 1) put both samples together and rank the observations from smallest to largest.
 - 2) carry out a two-sample t-test on the ranks (I'd use the separate variance method).

Ranks of Data

Example:

Sample 1 data: 12 15 22 23
 Sample 2 data: 16 21 28 33 128

Combined samples: 12 15 16 21 22 23 28 33 128
 Ranks: 1 2 3 4 5 6 7 8 9



*! I got 25.1
 parametric would have addressed*

Calculate a two-sample (separate variance) t-test to determine if the mean rank differs in the two populations.

Sample 1 Ranks: 1 2 5 6
 Sample 2 Ranks: 3 4 7 8 9

Point Again, we see the idea that the nonparametric test is the standard parametric test applied to the ranks of the data. The way ranks are used is slightly different here than in the one-sample (Wilcoxon) test.

[I know more about the best of the best and it's available for non-parametric]

Why are parametric to begin with??

I'd do two analysis and get different in parametric vs non-parametric

Strong evidence against H₀
P-value - **ISTINY**

Test of ETA1 = ETA2 vs. ETA1 > ETA2 is significant at 0.0000

N = 462.0

95.1 Percent C.I. for ETA1-ETA2 is (20.25, 36.86)

CI for difference in medians

Point estimate for ETA1-ETA2 is	29.20
NoImpact N = 16	Median = 83.61
Impacted N = 22	Median = 51.82

Mann-Whitney Confidence Interval and Test (Nonparametric Test)

NON-PARAMETRIC

Strong evidence

~~Strong evidence that means are equal~~
So Reject H₀

P-value is **TINY**

T-Test mu NoImpact = mu Impacted (vs >): T = 6.90 P = 0.0000 DF = 35

μ₁ - μ₂

Two-sample T for NoImpact vs Impacted (Parametric)		Mean	StDev	SE Mean
NoImpact	16	82.74	9.14	2.3
Impacted	22	55.8	14.9	3.2

Parametric Separate Variance

μ₁ = population mean RBP of all Not Impacted sites
 μ₂ = population mean RBP of all Impacted sites
 H₀: μ₁ > μ₂
 H_a: μ₁ ≤ μ₂
 under higher e more impacted sites OR μ₁ - μ₂ > 0

Summary of Two-sample t-test Procedures

Separate Variance Method

1. Need not assume $\sigma_1^2 = \sigma_2^2$

2. For the standard error of the difference between sample means, use

$$SE(\bar{y}_1 - \bar{y}_2) = \sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}}$$

and calculate df according to Satterthwaite's formula.

3. We may use the separate variance t-test all the time (even if variances are equal).

4. If the pooled t-test is used, a rough guide often used is that if $s_{max}^2/s_{min}^2 > 9$, the population variances are considered sufficiently unequal that the pooled t-test is not appropriate. The pooled t-test is often used by others, so you need to be aware of that method.

5. Do NOT test $H_0: \sigma_1^2 = \sigma_2^2$ against $H_a: \sigma_1^2 \neq \sigma_2^2$. Tests on population variances are usually very sensitive to departures from Normality, whereas the t-test itself is often not very sensitive to departures from Normality. Also, if you conduct a test of equal variances and then test for a difference of population means depending on what you saw in the variance test, it is difficult to specify the true significance level of this two-part test. See Section 7.3 of Moore and McCabe for a good discussion of this issue.

6. A reason for studying the pooled t-test is that it can be extended to more than 2 samples. The statistical technique for comparison of means from > 2 populations is called Analysis of Variance.

7. When $n_1 = n_2$, the pooled and separate variance t-tests give the same answers.

Techniques
not cond
 *

CORRELATION AND REGRESSION

- Two variables, x and y, measured on the same "case" or unit.

Case	x	y
1	x_1	y_1
2	x_2	y_2
3	x_3	y_3
⋮	⋮	⋮
n	x_n	y_n

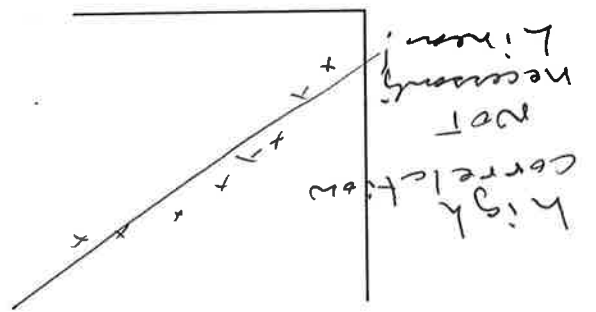
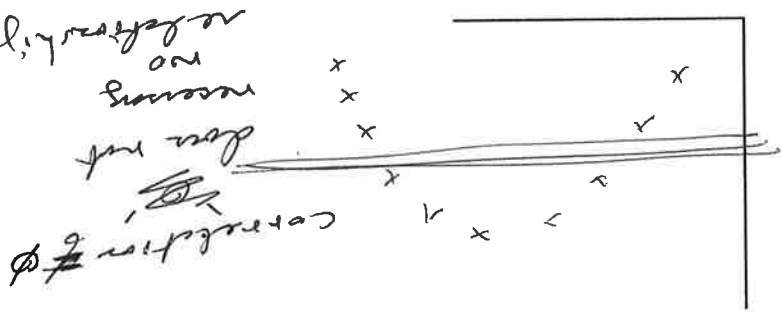
- **Correlation:** measures the strength of the linear association between x and y, treating the two variables equally in importance.

- **Regression:** use x to predict y; model y as a function of x.

- The choice of using regression or correlation depends on your objectives.

Examples:

1. y = salmonid annual production
x = total alkalinity
2. y = length of larval shad at 14 days
x = temperature, crustacean zooplankton biomass, cohort order
3. y = total density of trout
x = % riffle in the segment
4. y = fish condition
x = log cadmium concentration in liver



2) r is a measure of linear association.

1) Association (high correlation) does not imply causation.

Notes:

d) r is a unitless quantity (unaffected by changes in measurement scales of x or y)

$r = -1 \Rightarrow$ all data points fall on a line (decreasing)

c) $r = 1 \Rightarrow$ all data points fall on a line (increasing)

b) $-1 \leq r \leq 1$

a) Symmetric in x and y

Properties of r :

correlation doesn't prove
 causation!

Example 1: Regression Analysis

Data: The response variable is young of year (YOY) index of abundance of yellow perch, and several predictor (explanatory) variables are available. The data were collected from 1959 through 1993. A * indicates a missing value. Here we will focus on $y = \text{August YOY}$ as the response, and $X = \text{wind}$ (number of windy days, $> 15 \text{ km/h}$).

Row	YOY Aug	YOY Oct	Warmrate	Wind	Year	LOG(Aug)	LOG(Oct)
1	176	73	0.210	15	71	2.24551	1.86332
2	240	99	0.239	16	72	2.38021	1.99564
3	240	56	0.146	24	73	2.38021	1.74819
4	301	141	0.195	22	74	2.47857	2.14922
5	525	212	*	8	75	2.72016	2.32634
...							
11	76	30	0.138	9	81	1.88081	1.47712
...							
19	150	34	0.197	*	89	2.17609	1.53148
20	81	176	0.192	20	90	1.90849	2.24551
21	185	211	0.297	12	91	2.26717	2.32428
22	21	75	0.182	10	92	1.32222	1.87506
23	322	142	*	13	93	2.50786	2.15229
24	13061	*	0.235	2	59	4.11598	*
25	845	71	0.093	12	60	2.92686	1.85126
26	1610	184	0.178	19	61	3.20683	2.26482
...							
34	350	29	0.138	12	69	2.54407	1.46240
35	718	198	0.202	20	70	2.85612	2.29667

The regression equation
 $\text{YOY Aug} = 4511 - 240 \text{ Wind}$

34 cases used 1 cases contain missing values

Predictor	Coef	Stdev	t-ratio	p
Constant	4511	1143	3.95	0.000
Wind	-239.94	72.51	-3.31	0.002

$R\text{-sq} = 25.5\%$

$R\text{-sq(adj)} = 23.2\%$

Analysis of Variance

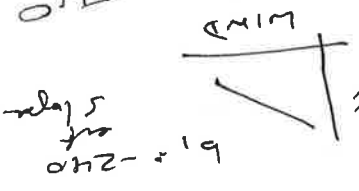
SOURCE	DF	SS	MS	F	p
Regression	1	45942724	45942724	10.95	0.002
Error	32	134246144	4195192		
Total	33	180188864			

Unusual Observations	Obs.	Wind	YOY Aug	Fit	Stdev. Fit	Residual	St. Resid
	24	2.0	13061	4031	1006	9030	5.06RX

Wind may not cause "if many
 are some times correlated with
 wind"

Out for many
 but on side
 "no longer"
 "no longer"

Reject H_0 to $B_1 \neq 0$
 $H_0: B_1 = 0$
 $H_a: B_1 \neq 0$
 two tailed test



1959-93

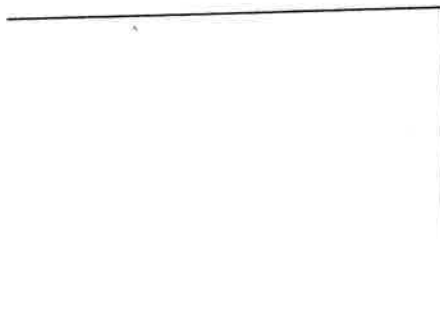
Model and Assumptions of Simple Linear Regression

Simple Linear Regression Model:

$$y_i = \beta_0 + \beta_1 x_i + \epsilon_i$$

Features:

1. $\beta_0 + \beta_1 x_i$ is the regression function (mean of y when $x = x_i$)
2. β_0 and β_1 are parameters ($\beta_0 =$ population y -intercept, $\beta_1 =$ population slope)
3. ϵ_i 's are the error terms, or random variables



Assumptions:

1. $\beta_0 + \beta_1 x$ is the correct (or true) regression function
2. variance of ϵ_i 's is σ^2 (constant variance)
3. ϵ_i 's are independent from each other (ϵ_i is independent from ϵ_j)
4. to compute a confidence interval or hypothesis test, we need the additional assumption that the distribution of the ϵ_i 's is Normal (which implies the distribution of y is Normal)

NOTE

Assumption 4 is not necessary to compute a regression line. The estimated regression line still has good properties ("best linear unbiased estimator") by the Gauss-Markov Theorem even if assumption 4 is violated. A common misconception is that the data must be normally distributed to fit a regression line.

Assessing Assumptions: Residual Plots

RESIDUAL PLOTS - assess the following assumptions

1. Correct regression function

2. Constant variance

3. Independence

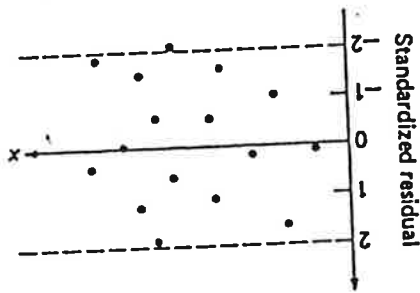
4. Normality (required for hypothesis tests and confidence intervals)

METHOD:

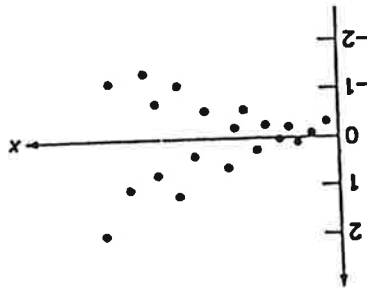
1. Plot residuals against the predictor variable, x (assess assumptions 1 and 2)
2. Obtain a normal probability plot of the residuals (assess assumption 4)
3. Plot residuals against time, if time variable is available (assess assumption 3)
- “Good” residual plots in Methods 1 and 3 will show no pattern in the residuals.

PLOT 1: Residuals against predictor (x)

IDEAL (assumptions satisfied):



NON-CONSTANT VARIANCE:



Coefficient of determination, R²

$$R^2 = \text{SSReg} / \text{SSTo} = (\text{Explained variation}) / (\text{Total variation})$$

R² is the proportion of variation in y attributable to a linear relationship of y with x.

Aside: SSR_{reg} and SST_o are the "sum of squares regression" and "sum of squares total" that appear in an analysis of variance (ANOVA) table that accompanies regression analysis. We will not discuss details of sums of squares.

NOTES on R²

1. $0 \leq R^2 \leq 1$ (high R² means that a large amount of variability is accounted for by the predictor)
2. High R² does not necessarily mean that the regression line provides a good fit
3. Low R² does not necessarily mean there is no relationship between x and y

Relationship between r and R² for simple linear regression: $R^2 = r^2$

r	0.9	0.81 (81% of the variation in Y is "explained" by the linear association with X)
R ²	0.49	0.49 (49% of the variation in Y ...)
	0.25	0.25 (25% of the variation in Y ...)
	0.10	0.10 (10% of the variation in Y ...)

Regression of the log (base 10) of YOY August on Wind

The regression equation is
 $\text{LOG(Aug)} = 3.13 - 0.0520 \text{ Wind}$

34 cases used 1 cases contain missing values

Predictor	Coef	Stdev	t-ratio	p
Constant	3.1281	0.3777	8.28	0.000
Wind	-0.05196	0.02396	-2.17	0.038

$s = 0.6769$ $R\text{-sq} = 12.8\%$ $R\text{-sq(adj)} = 10.1\%$

Analysis of Variance

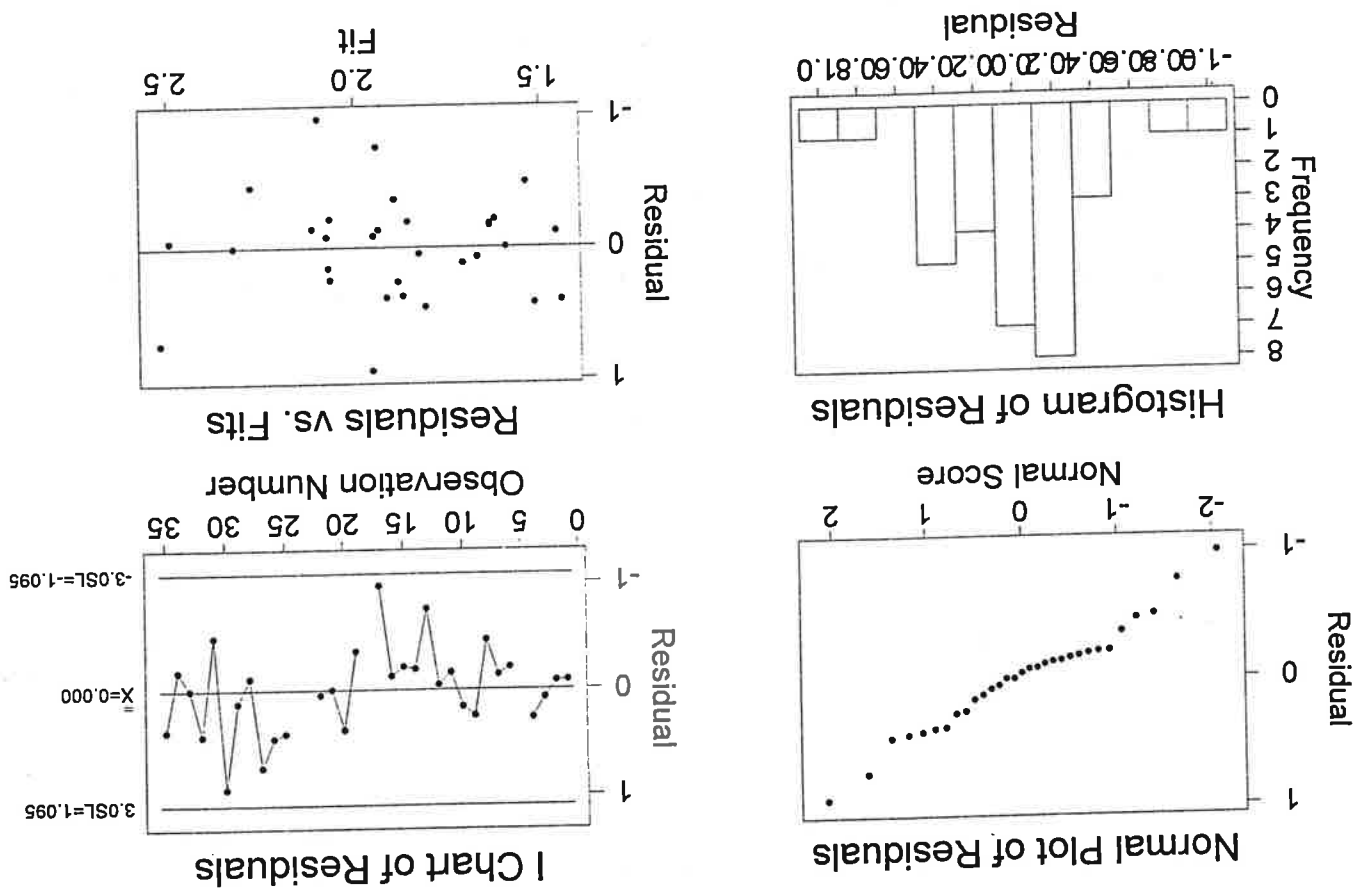
SOURCE	DF	SS	MS	F	p
Regression	1	2.1543	2.1543	4.70	0.038
Error	32	14.6607	0.4581		
Total	33	16.8149			

Unusual Observations	Obs. Wind	LOG(Aug)	Fit	Stdev. Fit	Residual	St. Resid
24	2.0	4.116	3.024	0.332	1.092	1.85 X
17	14.0	0.699	2.401	0.119	-1.702	-2.55R

R denotes an obs. with a large st. resid. whose X value gives it large influence.
 R denotes an obs. with a large st. resid. whose X value gives it large influence.

Regression of Log of YOY October on warming rate

Residual Model Diagnostics



31 cases used & cases contain missing values

Predictor	Coef	Stdev	t-ratio	p
Warming rate	1.0405	1.148	3.77	0.001
Constant	4.328	0.2385	4.36	0.000

Formulas:

$$\chi^2 = \sum \frac{E_i}{(O_i - E_i)^2}, \text{ where}$$

O_i = observed count in cell i , and

$$E_i = \text{Expected count in cell } i = \frac{(\text{row total})(\text{column total})}{(\text{grand total})}$$

$$df = (\# \text{ rows} - 1) \times (\# \text{ columns} - 1)$$

Check (χ^2 calculations are appropriate):

- a) 2x2 table: all expected cell counts are 5 or greater
- b) All other tables: average expected cell count is 5 or greater and all individual expected counts are 1 or greater

Standardized Residuals:
$$\frac{O_i - E_i}{\sqrt{E_i}}$$

(calculate for each cell of the contingency table)

1. Standardized residuals are like z-statistics. Values greater than +2 or smaller than -2 indicate that the cell has a large contribution to the χ^2 statistic.
2. Use standardized residuals to determine *why* you obtained a statistically significant χ^2 . That is, standardized residuals show us patterns or departures from what we would see if the two categorical variables were independent.

3. An easy way to compute standardized residuals is to notice that they are the square root of the calculations we do for each cell when we compute the χ^2 statistic,

$$\frac{E_i}{(O_i - E_i)^2}$$

We then have to look at $O_i - E_i$ to attach the sign (+ or -).

Analysis for Example 1

MTB > NOTE I am using just the first 3 columns of Example 1

Chi-Square Test

Expected counts are printed below observed counts

	Derby	License	Boat	Total
1	54	46	43	143
	49.92	40.04	53.04	
2	42	31	59	132
	46.08	36.96	48.96	
Total	96	77	102	275

$\text{ChiSq} = 0.333 + 0.887 + 1.900 + 0.361 + 0.961 + 2.059 = 6.502$
 $\text{df} = 2, p = 0.039$

Statistics Refresher Workshop for Fisheries' Biologists: Mid-Stream Checkpoint

1. Is there anything that you would like to see done differently tomorrow that would help you get more out of the workshop? Is the presentation approach suitable? Are the room facilities suitable?

2. Are there questions that remain unresolved that you would like addressed?

3. Are there topics you hope to see in tomorrow's session that have not yet been presented?

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