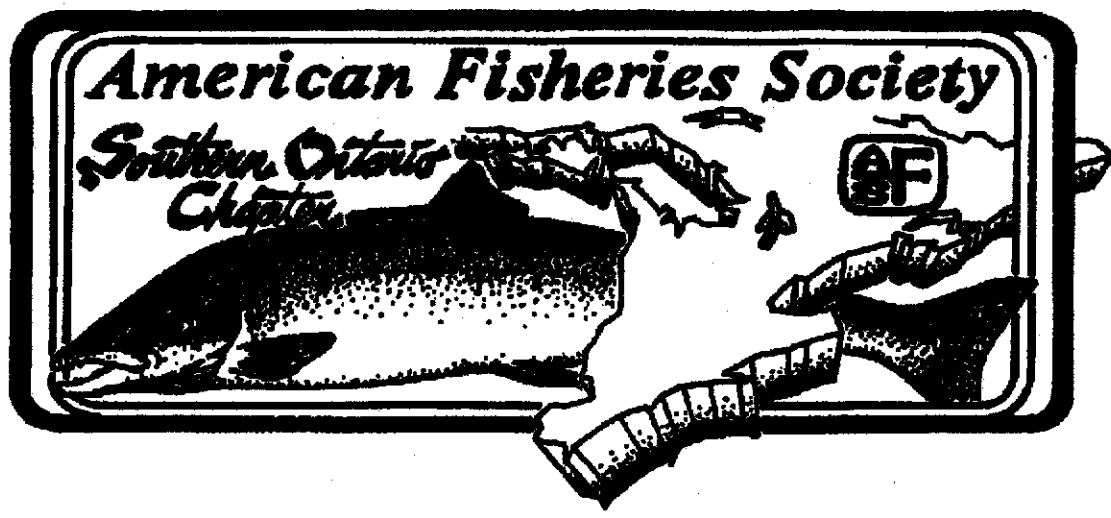


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Newsletter

Volume 4, Number 2

November 1991

SOC and its newsletter are alive and well

For some it was the economic slowdown which focused their attention on maximal production. For others it was a redefinition of professional roles and responsibilities. Either way, most of us have been very busy.

A number of key individuals have driven chapter initiatives through the summer. I can report with confidence that the chapter is very much alive. I was very impressed to have two or three new members call me to ask what has been going on and how could they find out or get involved. Recently, a number of members have been enquiring about the upcoming annual meeting. This issue will enlighten everyone. It drives home the point that there is potential for member involvement, albeit not totally realized at this juncture, and that communications are a major facilitator of chapter functions.

My target for this and upcoming issues is to bring the focus back to southern Ontario, and particularly to chapter activities. Source material seemed predominantly copies of other letters, news from other societies, and material from out of our geographic area of

concern as a chapter.

This newsletter, and the electronic bulletin board are the sole means for many members to grasp the issues being dealt with by the executive and special committees. Therefore, it is their only avenue to involvement, and to inject opinions into specific issues and resolutions being formulated. The latter will ensure a broader base of chapter representation in our political positions.

On that note I can lead into an update on our newest, and perhaps boldest initiative, the Environmental Concerns Committee. This is an area that members should watch keenly for opportunities to offer their help where the province needs it...

Calendar

International symposium on lake, reservoir, and watershed management sponsored by the North American Lake Management Society (NALMS); Denver, Nov. 11-16, 1991; central theme is Lake, reservoir and

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Don't forget to sign up for the new Canadian Aquatic Resources Section

watershed management in a changing environment (climate change, demographic and social change, political and legal issues, toxicity, acidification, eutrophication, basinwide management, source control, wetland utilization, recreation, restoration...) Contact Bob Schroeder, Denver Water Dept., 1600 W 12th St. Denver 80254; 303-628-6382.

Fisheries Management: Dealing with Development in the Watershed; Nov. 12-15, 1991, Newport, RI; Contact Harry Mears, 508-281-9243.

The 53rd midwest Fish and Wildlife Conference; Nov. 30-Dec.4/91; Des Moines, Iowa. Some sessions include northern pike management, catfish management in lakes and streams, fisheries in large rivers and streams, hybrids, aquaculture, "The Age of Biology", conservation challenges of the 21st century, and animal rights conflicts. Contact Iowa DNR @ 515-281-5154.

The Future of Lake Trout Management in Southern Ontario will be the central theme for the AFS Southern Ontario Chapter's Annual Meeting. The meeting will be held Jan. 17-18, 1992 at the Kempfenfelt Centre, Barrie. One session will utilize the theme as a title while the other focuses on the status of the Lake Trout Synthesis. Contact Dave Featherstone, c/o Envriosphere, 6619 Hwy. 25, Milton, Ont., L9T 2X5, 416-876-0342.

1992 North American Wildlife and Natural Resources Conference; Mar. 27-Apr.1/92; Charlotte, North Carolina. The main theme of this international conference is "Crossroad of Conservation: 500 years after Columbus". Sessions will include wildlife damage management, conservation information, education, wetland conservation, and biological diversity in wildlife and aquatic management. Contact the Wildlife Management Institute, Washington DC @ 202-371-1808.

World Fisheries Congress; May 3-8/92; Athens, Greece. A variety of themes focus on sharing worldwide information on aquatic sciences in acknowledgement that dependence on, and vulnerability of fisheries are increasing all over the planet. Contact AFS main office.

The Society for Ecological Restoration will hold its annual meeting in Waterloo, Ont. August 9-14, 1992. Some of the themes include urban, fringe, and rural land restoration, Great Lakes bioregional issues, regional landscape planning and environmental education. Local volunteers are needed. Contact Nik Lopoukhine, Acting Director, Natural Resources Branch, Environment Canada, 10 Wellington St., Hull, Que., K1A 0H3 (819-997-4900).

Assist with the Newsletter

I need help. A great deal of information which should be getting onto these pages, is slipping past us all. Too many people aren't aware of what's going on next door, whether that's the next district or municipality.

Assistance may involve a specific contribution for one issue, or be more steady or be integral.

We need some field editors to find that information in their region or sector, get contributions, or write briefs.

We need a few volunteers to solicit advertisements. I made the Chapter \$100 in about five minutes while preparing the last issue, and I know where more sources exist. This newsletter could make profit very easily.

We need editorials from people with knowledgeable opinions, or knowledge, or even opinions. We need real articles from members who have learned something worth sharing. That probably covers everyone.

EXECUTIVE OFFICERS

Jon Bisset - President; Ken Harris - Past-President; Hank Ristved - Secretary; Garry Leering - Treasurer.

The newsletter is published quarterly by the Southern Ontario Chapter of the American Fisheries Society for the fisheries community. Issues are planned for March, June, September and December releases. Contributions to future newsletters are welcome and may be sent to the editorial committee for review. Articles should be less than one page in length. Those submitted as ABCII files on floppy diskette are "editor friendly" and have a greater chance of being accepted. Ideas, suggestions and constructive criticism regarding issues of interest in the aquatic sciences are also welcome. All submissions should be sent to the editor by the first day of the month that precedes the desired month of issue. Articles requiring extensive discussion or revision before publication should be submitted well in advance of the deadline. Views expressed in the newsletter are not necessarily those of the chapter or American Fisheries Society.

EDITORIAL COMMITTEE

Kevin Trimble - Editor [o/c Cumming Cookburn Ltd., 180 Columbia Street West, Waterloo, Ontario, N2L 3L3, phone (519) 886-6440, fax/mile (519) 886-3950]

The Southern Ontario Chapter was formed to provide a regional organization for American Fisheries Society members who have an interest in the fisheries and aquatic concerns of Southern Ontario. It falls under the umbrella of the parent society and North-Central division of the American Fisheries Society. Chapter membership is open to any member of the American Fisheries Society regardless of their place of residence. Any person interested in either chapter or parent society membership should contact an executive officer or the membership committee chairman for details.

Figures from Scott and Crossman, Freshwater Fishes of Canada, Bull. 184, Fisheries Research Board of Canada. By permission of the authors.

Annual Meeting Announcement



The future of lake trout management in southern Ontario

January 17-18, 1992
Kempfenfelt Centre, Barrie

Friday January 17: Introduction and update on the lake trout synthesis moderated by Cheryl Lewis

- 8:30-9:00 Registration
- 9:00-9:15 Opening Remarks (Cheryl Lewis)
- 9:15-10:00 Lake trout synthesis overview, an introduction to the new science (Charlie Olver)
- 10:00-10:15 coffee
- 10:15-10:55 Habitat requirements and production of lake trout (Dave Evans)
- 10:55-11:35 A management support system for regional scale lake trout management (Rob Korver, Mike Jones, Brian Shuter)
- 11:35-12:15 Proposed management strategies for lake trout (Ron Desjardine)
- 12:15-12:30 Charges to working groups (Cheryl Lewis)
- 12:30-1:15 Lunch
- 1:15-3:15 Working groups meet to discuss:
 1. Whether the strategies presented will achieve the objective of no net loss of productive capacity of lake trout;
 2. Whether the population management strategies will provide for the long term management of self sustaining populations of lake trout for the people of Ontario.
- 3:15-3:30 Coffee
- 3:30-5:00 Southern Ontario Chapter Annual Business Meeting
- 5:00-6:00 Poster session and social

Saturday January 18 The future of lake trout management in souther Onatario moderated by Henk Rietveld

- 8:30-9:30 Working group reports
- 9:30-10:00 An updated lake trout capacity model for Phosphorus loading (Neil Hutchinson)
- 10:00-10:30 An oxygen depletion model for lake trout lakes (Bernie Neary)
- 10:30-10:45 Coffee
- 10:45-11:45 The implications of lake trout synthesis on the planning process: a planner's perspective (Brian O'Donohue and Les McKoy)
- 11:45-12:15 Lake trout synthesis working groups: Summary Where to from here?: (Cheryl Lewis)
- 12:15-12:30 Wrap up comments (Jon Bisset)

Registration information and call for posters on back page of this newsletter

SOC activates the Environmental Concerns Committee

The Chapter has been involved in several issues with implications for aquatic habitat and fisheries management in southern Ontario. Examples include input to the latest SPOF initiative, and at least one letter of concern regarding an aboriginal rights issue. Many other issues, some by invitation, have been passed up because the active element of the chapter could not devote the effort required.

For the sake of our watersheds it is necessary that we take our diurnal hats off and use the extraordinary knowledge that we, as Ontario residents, possess. The political, development, preservationist and user lobbies are firmly entrenched, but an objective scientific lobby is not.

There is another reason for becoming involved. Whether you know it or not, the SOC may have represented you in declaring a position on an issue. As a member you should be aware of what the chapter is implicating you in. There are opportunities to review and provide comment on any statements coming from your society. You should make it a personal responsibility to take those opportunities, declare conflicts where they may occur to separate yourself from an issue, and provide the input necessary to make our resolutions, statements, reviews, etc. as objective and useful as possible to their recipients.

In most of the states, and nationally in the U.S., the socio-political atmosphere in southern Ontario has gained immensely by having an active scientific lobby to assist in a variety of decisions. Examples may include the "Greening of the Planning Act", a review of the draft provincial wetlands policy, various guidelines and policies on water management (buffers, stormwater quality, Oak Ridges Moraine, groundwater management, Niagara

Escarpment...) being drafted. Perhaps there are individual developments that require input by a multi-disciplinary, independent, objective, holistic scientific body, especially in light of the work load in review agencies.

Under the auspices of the SOC Environmental Concerns Committee, chairman Blake Konkle will coordinate formulation of chapter positions on various issues based on their importance to our mandate, and on the availability of members who can act on a subcommittee once in a while - or once even!

The newsletter, bulletin board, chapter meetings, special mailings and executive committee control will ensure that the best possible job is done. The parent society and a number of specialist sections are also available to assist.

At a national level in Canada, a Canadian Section of the AFS has just been sanctioned by the parent society. Terry Marshall (807-683-6231) of the Canadian Concerns Committee will provide more details, but it is important to note that a database is being established for member expertise and willingness to participate in issues. More on this later...

ECC Update

The ECC has been charged with the development of policy statements for two current and growing concerns affecting fish populations: 1) the "greening" of the Municipal Planning Act, and 2) the impacts of hydroelectric development.

The first charge has been slow in its development being transferred from the Fish Habitat Committee to the ECC in January. There is currently no

subcommittee to undertake position statements, policy development participation, etc. largely due to conflicts of interest for many of the chapter members familiar with this area and wishing to help out. Any members willing to serve the chapter in this vital concern to fisheries resources would be most welcome.

The second project is well underway and hopefully will be developed jointly with the N.W. Ontario chapter, in consultation with the AFS ECC at the national level. Needless to say, current and future hydroelectric development in northern Quebec watersheds tributary to James and Hudson bays have attracted much attention. There is similar concern for future development in northern Ontario watersheds. As the Fisheries Act requires 'no net loss' of habitat, the DFO has organized scoping meetings to ensure that the concerns of all interest groups are recognized.

Ontario Hydro has been cooperative to date and initiated several environmental impact assessments in the Moose River basin last year. However, aboriginal groups such as the Moose River-James Bay Coalition, are concerned about their role in the development of these and future assessments and in maintaining self-autonomy over their interests. To this end, Ontario Hydro has agreed to halt current projects in the lower reaches of the watershed while the two parties negotiate common ground. Likewise, the Ontario government has recently recognized the right of self-government for native peoples. Both of these initiatives seem like a step in the right direction for future negotiations. Any members willing to take an active part in this issue are also encouraged to jump on board.

News

NCD Outdoor Adventure Raffle

To build up the North Central Division bank account, a raffle is being held at the 1991 Midwest Fish and Wildlife Conference. Individuals are offering to host trips and one may select trip raffles at \$2.00 a pop. There is an entry form at the back of the newsletter showing the trips available thus far. There is also a form for those wishing to offer up a trip of their own. 25% of the proceeds will be distributed to participating chapters.

-KT

Silt spill status

The Conservation Council of Ontario has collected evidence in the silt spill reported in the last newsletter. Maple District OMNR staff investigated and forwarded information to the decision makers who are considering a Fisheries Act charge.

Since the site was identified, check dams and filter cloth installation and regrading have occurred. The Humber River is considered by OMNR to have coldwater potential in this area.

-KT

SOC Awards Committee

The Excomm welcomes Gerry Leering as the new Chairperson. Dr. P. Powles at Trent University and Dr. E.J. Crossman have also agreed to become committee members and to accept the dubious honour of selecting our chapter's award recipients. We would welcome the task of becoming overburdened with candidates. Nominations are being accepted for:

1) the Award of Excellence in Fisheries (Chapter member). This award will be given for long term excellence in the fisheries profession, or an outstanding contribution to the profession, fisheries

science or conservation, or for outstanding performance to further the goals of the Chapter.

2) the Award of Excellence in Fisheries (non member). This award will be given based on the same criteria as above, but nominees will be selected from outside the SOC. They may be members of other chapters. They may also be individuals or groups/organizations including (but not limited to) outdoor writers, educators, industry, fisheries, workers, landowners and the public.

3) the Best Student paper presented at the chapter's annual meeting. These will be rated according to scientific approach (methods, data quality and analysis), organization of presentation, verbal communication skills and effectiveness of visual aids.

In submitting names as candidates, nominators should consider, among other things, persons who:

promoted the conservation ethic through word or deed;

devoted personal time, experience or financial support to the protection of rehabilitation of the resource;

made a contribution above and beyond the requirements of a job description;

inspired and encouraged others to work for the good of the resource;

elevated public interest and awareness;

displayed a long term commitment to Ontario's fisheries resources;

were influential with local, provincial or federal government in ensuring the welfare of Ontario's fisheries;

or assisted in fisheries research or management programs.

Please send your nominations with supporting arguments to the AFS-SOC Awards Committee, atn. Gerry Leering, 1268 Scollard Dr., Peterborough, K9H 7K9.

-GL

Ethics

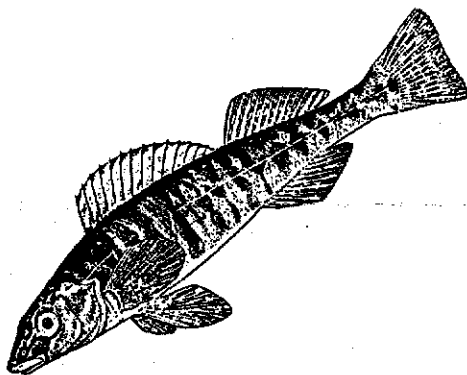
At the third Annual Chapter Business Meeting held in Barrie last January, a motion was passed directing the SOC Executive Committee to examine the issue of professional ethics in fisheries. I am pleased to inform you that Al Sippel (University of Guelph, Dept. of Microbiology, 519-824-4120) has generously volunteered to head up this task.

It is of course, no news to fisheries workers that aquatic resources in Ontario are under tremendous development pressure. Given the existing review/input/appeal framework established by our government to deal with proposals (including OMB hearings), as well as the growing number of fisheries specialists employed in the consulting field, it is becoming increasingly common to find fisheries professionals representing opposite sides in negotiations. Occasionally during some of these tense, high stakes confrontations, questions regarding what is and what is not ethical professional behaviour arise -- however, as we all know, there are no formal, or even suggested, guidelines set up for that hazy profession known as "biologist". This is in contrast to more organized professions such as engineering and health services, where codes of conduct exist to guide individuals in these circumstances.

Aside from the obvious conflicts that can arise within our profession due to this ambiguity (and there have been a few recently), I feel we must also be concerned about our credibility as a profession in the eyes of those who rely on our "expert advice" -- in particular

senior government decision makers, developers, and the judicial system. It would be to nobody's advantage to have fisheries biologists viewed as "opinions for hire" or "you pay it, I'll say it" professionals. We can not hide indefinitely behind the premise that ours is an imprecise science and therefore, anything we say could be true. Integrity is not a question handed out with a degree -- it has to be earned by performance and example.

It is with this background in mind that the Ethics Committee will proceed. The precise mandate of the committee has still to be worked out, but activities will likely include investigation of ethics codes in other jurisdictions and professions, examination of the need and potential format of the code of ethics for our area (including liason with the AFS), and forwarding of a draft code to the Excomm for eventual presentation to the full chapter.



I strongly urge all those who are interested in the advancement of the fisheries field as a true, recognized profession in this province to volunteer a minor amount of your time, or even your views, towards this task. It is particularly critical to secure the participation of experienced professionals from a variety of work backgrounds -- public, private sectors, academics, non-profit, etc. With a thorough and open examination of the ethics of our field, we will truly have taken a large step forward as a profession, and as individuals within a profession.

Participation is the key.

-Ken Harris

Newsletter Graphics

On behalf of the chapter, I would like to thank Bev Scott and Ed Crossman for extending blanket permission to use illustrations from "Freshwater Fishes of Canada". Besides the local plug, these illustrations are more useful than simply as fillers. My hope is that they will also challenge the members a little.

If there are members who either do original artwork, or have access to material which may be copied, the newsletter would benefit tremendously from your input. Anonymity is optional!

I have received ads from a company selling "clip art" which carries a certain amount of cost, but warrants some consideration.

Canadian Aquatic Resources Section

The parent society formally announced the new section in early October and invited any member interested in Canadian and trans-boundary issues to join. The following summarizes its objectives:

1) promote the conservation, development, and wise management of aquatic resources in Canada, within the

context of sound ecological principles and sustainability;

2) gather and disseminate information pertaining to fisheries and aquatic science in Canada;

3) promote the educational and technical aspects of the fisheries profession in Canada;

4) determine and respond to the specific needs of fisheries and aquatic scientists and practitioners in Canada;

5) provide coordination for review of and comment upon government-proposed legislation and policy; and,

6) facilitate Society policy development and review pertaining to Canadian aquatic resource issues.

Initiatives to be undertaken immediately include the establishment of a Canadian Office, programs, membership, environmental concerns and the AFS name change.

An environmental concerns committee will develop position papers and policy statements on Canadian and trans-boundary environmental issues. The name change committee will promote dialogue and educate Society members on the advantages of adopting a name which better reflects the international stature of the AFS.

Terry Marshall and Don MacDonald are acting as interim President and President-Elect of the Canadian Aquatic Resources Section. They previously co-chaired the Canadian Concerns Committee, which over the past few years has addressed many of the above activities; the Section is now the approved vehicle for expediting these initiatives. An election of Section officers will take place once membership builds sufficiently - probably early in the new year. A slate of seven officers are required, including President, President-Elect, Vice-President, Immediate Past-President,

Secretary-Treasurer, Newsletter Editor, and Assistant Newsletter Editor.

The new Section will facilitate expanded status and activity of the AFS in Canada. Membership and involvement are urgently needed. Check off the box entitled "Canadian (18)" of your next Dues notice, or send \$10 to main office in Bethesda. Call Terry Marshall (807-683-6231) or Don MacDonald (604-722-3631) for more information.

Continuing Education

The committee is looking for your ideas. The Rosgen course on fluvial geomorphology was a great success and will likely be repeated next year. Other ideas under consideration include watershed management studies, bio-engineering, and cumulative effects/impacts assessment.

Computer User Section

The Computer User Section (CUS) officially became a Section at the Sun Valley AFS annual meeting in 1986. Members all share a keen interest in the use of advanced electronic data processing equipment to support fisheries management, research, education and administration.

From its inception, the goal behind CUS has been to function primarily as a service Section. The objectives of the Computer User Section are to:

- 1) develop and maintain an association of persons interested and involved in promoting an understanding of the application of computer resources to fisheries problems;
- 2) provide an opportunity for exchange of data, techniques, and public domain software for computer systems, especially small desktop microcomputers;
- 3) provide a forum for fisheries scientists, fish culturists, management biologists, fisheries biometricians, administrators, and educators to

communicate with other computer users;

- 4) coordinate and develop programs to disseminate current information on the use of computers and related technology in the fisheries professions;
- 5) provide a source of consulting advice or name of qualified individuals who can provide information on use, techniques, or on available software, and
- 6) promote consumer analysis of computer resources, software, or related equipment for use in fisheries.

The Computer User Section is looking forward to increased use of the bulletin board. Being a board user means more than just reading a few notes and logging off. It means contributing messages, exchanging ideas and uploading items of interest to other fisheries professionals. The board will only be as informative and active as the combined user population makes it. We consider this a method for improving communication for the Society as a whole, so let's put this resource to work.

The Spring issue contains introductory information and instructions for logging into the bulletin board. More information is now available and will be documented in an upcoming issue. Contact the newsletter editor for the latest, or Larry Onisto directly (416-592-8595).

Habitat Committee

After a meeting November 13th, it is apparent that significant progress is being made in redefining the mandate of this committee. Its earlier initiatives spawned the Continuing Education Committee and then the Environmental Concerns Committee. Now, it is in a position to work exclusively on habitat and also assist the other committees in their own initiatives.

Ken Dance was elected the new chairman, working with a core of about

6 active members. Numerous individuals have signed on, and still others have stayed away because of the perceived large size of this committee; but ACTIVE members are definitely being sought for regular or task specific participation.

Chapter resolutions and positions

Three interesting points have been raised through member input.

- 1) Chapter statements are made to represent all chapter members. Members elect officers and committees to formulate those representative statements on their behalf - to a point.

To protect committee members from conflict of interest, and better represent chapter membership at large, some statements may simply have to be reviewed by the chapter. Where is the line? What is your opinion?

- 2) At this time it is somewhat unclear how agencies and governments will receive statements from the AFS in southern Ontario. Will they be acknowledged and considered? Perhaps the executive should correspond at several levels with these bodies to find an answer and identify our mandate on the spectrum of voices.



“ Tourist or hot, sir, I shall need to see a valid fishing permit. ”

Rosgen Update

The fluvial geomorphology course was tremendously successful and many attendees are actively using the new tools in their day to day functions.

Dave Rosgen has indicated that he was impressed at the interest and enthusiasm he sensed during his time in southern Ontario. This was about the tenth course he has taught anywhere and he is in high demand. However, he has already agreed to return next spring for two one week courses. Recall that this year's schedule was initially set up the same, followed by cancellation of 1 week due to lack of interest, and followed by extreme overbooking at the last minute for the remaining 1 week course. I sense that the '92 courses will fill much earlier.

Jack Imhof is currently accepting input and data from participants of the '91 course, aimed at creating a database of stream geomorphology for southern Ontario. This will enhance communication, and facilitate calibration of Rosgen's approach for 'our' streams.

The relationships which allow prediction of specific stream variables, and ultimately classification of a given stream, are diverse and vary all over North America. Varying degrees of development and regulation are represented by the watersheds considered. We used to empirically measure stream behaviors for all the stream "types" in our area. Ultimately we will know how streams are supposed to look and function in southern Ontario. We will have reliable models for stream design or rehabilitation.

Comments on computer use

Virtually every working biologist today has direct access to a microcomputer and several software packages. The computer age has provided an incredible tool for us to shake off the shackles of our qualitative roots. Quantitative methods and modelling are prerequisites for resource management and professional judgement of a biologist is worth nothing now unless it's backed up with good quantitative techniques.

The reality of the situation is that in spite of the proliferation of these great tools, virtually everyone has "hacked" their way into literacy. The end product is that most people have a 10-15% literacy or proficiency rate with the three main packages (word processor, spreadsheet, database) and less than 2% have any ability to communicate with other machines. I have seen nothing to persuade me this is any different in any of the government agencies or consulting firms. This lack of depth is well hidden by a sense of complacency and security that develops when you know enough to get by and achieve the same level of productivity as everyone else. I don't want to belabour this further but my motive for raising this point is that our integrity, credibility and capability as fisheries scientists is tied to our ability to make effective use of these tools and to exchange ideas and information. Our science tends to be insular, in information age this is a recipe for disaster.

I have met incredible resistance in the past with initiatives to link proliferation of computers with appropriate training. This is an administrative problem and I bid you good luck. My reason for this verbal assault is to impress upon you the need to learn to communicate information and ideas using computers. This is not the domain of the enthusiast

or computer user, it is a necessity for all of us. Information is nothing if it can't be shared or accessed intimate. Word of mouth is no longer a viable means of doing this.

With support from the Environmental Studies and Assessments Department at Ontario Hydro, the Chapter has been given an opportunity to use a portion of the Environmental Bulletin Board System (ENVIBBS) for the next year or so. If we make use of this resource we will plan for a dedicated system for AFS. If apathy prevails it will be terminated. Under ENVIBBS AFS-SOC has a file and mail area for its own use and I will endeavour to obtain software and information from US AFS chapters, Instream Flow Group, Habitat Management Resources Library, Minnesota DNR and others as up to date as possible. All of these sources have Bulletin Board Systems and contain a wealth of information. A description of the bulletin board will follow, the point I wish to make is that hardware costs are trivial (\$80-100 for a basic modem). The effort that it takes learn the six commands to call the BBS is trivial and the benefits overwhelming. Costs and purchases of hardware are a real headache, but if we as innovative fisheries types can't justify 100 measly bucks for a modem when we've spent \$10,000 on the hardware, then shame on us. I challenge the AFS executive to set an example by getting on-line by the new year. If there are any of you out there who are "official members" of the computer user section and don't have a modem then get one soon or let's stop pretending we can accomplish anything as a user group. I apologize if this sounds a little abrasive, but none of us has a surplus of time so I wanted to cut straight to the point. Communication, dissemination and implementation of ideas is at the root of what good science is all about. If a little piece of hardware can help this along, then it is worth looking into. See you on the BBS!

Annual Meeting of the Southern Ontario Chapter, AFS 17-18 January '92 @ Kempenfelt Centre

Registration

There will be pre-workshop packages so preregistration is important. Send your registration and cheque made payable to Southern Ontario Chapter American Fisheries Society, to Dave Featherstone, c/o Envirosphere, 6619 Hwy. 25, Milton, Ont., L9T 2X5 (416-876-0342). Dave is also looking after booking accomodations. Please call him ASAP as rooms may be limited.

Financial assistance may be available to eligible students.

	Before Jan.7	After Jan.7
Regular Member	\$40.00	\$50.00
Non Member	\$50.00	\$60.00
Student Member	\$10.00	\$15.00
Student Non Member	\$20.00	\$25.00

GST R129848602

Name: _____

Address: _____

Affiliation _____

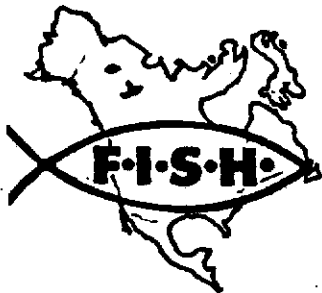
phone _____ fax _____

rooms? 16th _____ 17th _____

Are you interested in presenting a poster?
Please indicate the topic.

Call for posters

First call to anyone interested in participating in the poster session. Posters on fisheries biology, technology, management or related topics are welcome. There will be cash prizes to the best student poster. For information call Ian Buchanan (416-832-2761). Space is limited so call today.



A Coalition for the Conservation of Aquatic Habitat

Fisherman Involved in Saving Habitat (F.I.S.H.)

Presents...

WATERSHED PLANNING

A 35 mm slide show depicting the need for developing Watershed Management Plans in Southern Ontario. The slide show shows examples of poor watershed practises in the past and highlights some of the advantages of planning on a watershed basis. The slide show can be borrowed from:

Fishermen Involved in Saving Habitat
Southern Ontario Chapter
P.O. Box 2655 Station B
Richmond Hill Ont. L4E 1A6.

A nominal cost to cover postage and handling maybe requested.

F.I.S.H. is an international coalition dedicated to the conservation, restoration and enhancement of aquatic habitat at the political level. The Southern Ontario Chapter was formed to carry out the goals of the International coalition at a local level. The coalition consists of concerned groups and individuals representing the interests of conservation and environmental organizations, sport fishing and commercial fishing affiliations.

FISHERMEN INVOLVED IN SAVING HABITAT
SOUTHERN ONTARIO CHAPTER
P.O. BOX 2655 Station B, Richmond Hill, Ont. L4E 1A6

North Central Division, American Fisheries Society "Outdoor Adventure Raffle" Trip List

Mark down, in the left column, the number of chances you wish to purchase for specific trips. Each chance costs \$2.00. Drawings for trips will occur at the 1991 Midwest Fish and Wildlife Conference. All trips will occur during the 1992 calendar year. However, the occurrence of trips is not guaranteed. If for some reason a trip is unable to be offered (weather, relocation), no replacement trip will be furnished. Travel, food and lodging, and license fees are the responsibility of trip winners. Make checks payable to MCD-AFS.

NUMBER OF
CHANCES

TRIP DESCRIPTION

OHIO

- _____ Steelhead in Conneaut Creek Time: Oct20-Dec15, Feb15-Mar30 People: 1 Host: Phil Hillman (216) 644-8902
- _____ Walleye/perch-Bass Islands, L. Erie-shanty Time: Jan15-Mar1 People: 2 Host: John Hageman (419) 286-2029
- _____ Muskellunge in Clearfork Res. Time: June People: 2 Host: Elmer Heyob Jr. (513) 642-1868
- _____ Walleye & smallmouth in Lake Erie Time: May15-Sept15 People: 2 Host: Roger Knight (419) 625-8062
- _____ Walleye/perch in West Lake Erie Time: June - August People: 2 Host: Kevin Kayle (216) 644-2293

ILLINOIS

- _____ White bass, walleye, sauger, catfish - Miss. R. Time: Jul-Sept People: 1 Host: Jim Mick (217) 782-6424
- _____ Musky in Lakes Shabbona, Carlton Time: May - June People: 2 Host: Jim Mick (217) 782-6424

WISCONSIN

- _____ Northwest Wisconsin musky Time: June - August People: 1 Host: Terry Margenau (715) 635-9320
- _____ Gile Flouage musky/smallmouth Time: Jun1 - Aug31 People: 1 Host: Dennis Scholl (715) 476-2646
- _____ Grouse/woodcock hunt near Antigo WI, Time: Oct1-Nov1 People: 1 Host: Max Johnson (715) 623-4317

IOWA

- _____ Walleye-Mississippi R, Bellevue Time: June People: 1 Host: John Pitlo (319) 872-4976
- _____ Smallmouth-West Okoboji Lake Time: July People: 1 Host: Ed Thelen (712) 336-1840
- _____ Pheasant/quail- S.W. Iowa Time: November People: 1 Host: Joe Swartz (712) 769-2587

KANSAS

- _____ Prairie chicken-Eldorado, KS Time: Nov - Jan31 People: 1 Host: Ron Marteney (316) 321-7180
- _____ Canada geese - Lynn County, KS Time: Dec22 - Jan13 People: 1 Host: Don George (913) 795-2216

MICHIGAN

- _____ Trout and salmon on Lake Michigan Time: May-Oct People: up to 6 Host: Denny Grinold (517) 321-2255
- _____ Walleye-Lake Erie Monroe, MI Time: July People: 1 Hosts: Gordon & Steve Moret (517) 467-7910
- _____ Walleye-Detroit River Ecorse MI Time: May People: 1 Host: John Klien (517) 383-2234
- _____ Largemouth/smallmouth bass - Lake St. Clair Time: June People: 2 Host: Ron Spitler (313) 953-0241

DAKOTA

- _____ Pheasant/partridge eastern SD Time: Early Nov People: 1 Hosts: Dave Willis/Chuck Scalet (605) 688-4788
- _____ Coyotes near Pierre SD Time: January People: 1-2 Host: Gary Marrone (605) 773-5535

WAIVER OF LIABILITY:

I, _____, release the North Central Division of the American Fisheries Society, the trip host and any other related people from liability related to occurrences during any raffle trips I may take.

DATE: _____ **SIGNATURE:** _____ **Phone:** _____

Return to: John Lott Wild/Fish SDSU Box 2206 Brookings SD 57007