newsletter

SOUTHERN ONTARIO CHAPTER AMERICAN FISHERIES SOCIETY

President - Les Stanfield, MNR-Maple President-elect - Ken Harris, MNR-White Lake FCS Secretary - Henk Rietveld, MNR-Huntsville Treasurer - Geza Gaspardy, Credit Valley Cons. Auth. Editor - Hal Schraeder, MNR-Aylmer

VOLUME 2 number 2 ***********

-- PRESIDENT'S CORNER --

The AFS activities I participated in while in Alaska have given me a better understanding of Society workings. Chapter Presidents' workshop, in particular, provided me with several ideas which should benefit our Chapter. Effective immediately, for example, the Newsletter Editor will join the Excom as a non-voting member, both to give this person a better understanding of Chapter activities, and to emphasize the importance of this position because of the integral role the Newsletter plays in the

The importance of recognizing significant contributions to our profession was emphasized. I am still looking for someone to chair an Awards committee that will select a number of Chapter awards and determine appropriate criteria. We have considerable background information for this activity and if you would like to take on this important task please contact me.

It was reassuring to hear that many of the ideas we have already used have proven to be successful for other chapters as well, eg. focused meetings, which involve members of the fisheries community in our activities, and addressing pertinent issues.

At Alaska it was suggested that chapter committees should be charged with specific tasks that can be completed within defined time periods. This makes committee work more effective and rewarding. In our last Newsletter you were introduced to several of our committees. The specific tasks that each has been charged with for 89/90 are: 1) Fish Culture, Continuing Education, and Computer Users will each identify the needs of Chapter members, prepare a report outlining how these needs will be met,

make a list of members willing to serve on the committee, and prepare an outline of 90/91 activities; 2) Fish Habitat Committee will prepare a draft plan addressing the issue of habitat protection and whether a habitat policy, complete with action items for Chapter review at the annual meeting, is needed (plans arising from our first workshop on Habitat Protection should be well underway by the annual meeting). Committee members may also be called upon by the Excom to provide comments on specific issues, reports, etcetera.

I also participated in a How to Implement the AFS Long Range Plan workshop while in Alaska. This Plan will direct the efforts of the Society for the next 5 years. It was published in the Jan-Feb 1989 issue of Fisheries and is well worth reading. As I participated, I realized how well the Plan related to our Chapter. For example, the need for increased efforts to inform the public about habitat protection, multiple use conflicts and fishery resource policies is emphasized in the Plan. My working group proposed several strategies to meet this need. first step, we felt, should identify the community of fisheries science professionals' (this being comprised of all groups with an interest in fisheries). Your Excom is presently preparing a list of people belonging to this community in Southern Ontario.

The next step would be to send a letter of introduction throughout the latter community outlining who AFS is, what our Chapter's objectives are, what we do, and inviting them to work with us to better Ontario's fishery resource - We have already broken the ice with our first workshop. Hopefully, as we gain credibility, our Chapter can build on this foundation to become a truly effective entity to deal with issues affecting Southern Ontario fisheries.

We have already invited two groups to sit on our <u>Fish Habitat</u> committee. Rejanne Anthon, of FOCA, and an as yet unnamed member of Trout Unlimited will be adding their perspectives to the this committee.

Your Excom is involved in the Society name change issue at several levels. We need to hear your opinions on this. As well, several members have expressed concern to me over the differential dues rates the Parent Society

charges U.S. and non-U.S. members. Is this an issue that you would like us to pursue? Are there other issues you would like tabled at the annual meeting?, if so let me know.

I encourage any of you who would like to be more involved in our chapter to contact a member of the Excom, especially if you are interested in any of the executive positions. The deadline for nominations for these positions is December 20th.

The following is a transcript of President Stanfield's October 22, 1989 correspondence to Dale Henry, Ministry of the Environment, MISA Office - Municipal Sector, Toronto, outlining Southern Ontario Chapter review of the Draft MOE/MNR Interim Stormwater Quality Control Guidelines.

The Southern Ontario Chapter of the American Fisheries Society is pleased that MNR and MOE have taken the initiative to develop the interim guidelines for stormwater management, and are pleased to participate in the review process. Our chapter is very concerned over the continuing loss of fisheries habitat due to inadequately controlled development. One of the major causes of this is improper stormwater management. We have taken it upon ourselves to work towards more effective stormwater management in Southern Ontario and look forward to working with your agency to achieve this.

Traditionally stormwater has been treated as waste water, to be disposed of as quickly and efficiently as possible. This approach has led to unprecedented degradation of our aquatic ecosystems, through increased sediment and contaminant loads, and disruption of the hydraulic cycle. We are now beginning to see the magnitude of the damage our past activities have done. The Bruntland Commission focused the need for sustainable development on a global basis which both the provincial and federal governments have endorsed. Our federal government approved a net gain policy for fisheries habitat and the provincial government is working towards strengthening the protection of fisheries habitat through the Strategic Plan for Ontario's Fisheries (SPOF II). Effective stormwater management is the cornerstone to ensuring that these environmental goals are achieved. The Interim Stormwater Management Guidelines do not adequately reflect the goals of both the provincial and federal governments of attaining a net gain of fisheries habitat.

Although it is commendable that the best protective guidelines are applied to coldwater streams (ie. least loss), this ignores the productive potential of marginal coldwater and warmwater streams. Within these guidelines the potential of any river is based on its present ability to support various fisheries communities. This does not reflect the historical community or the importance of the individual components to the larger ecosystem. By not accepting a net gain policy for the whole ecosystem we doom it to gradual destruction.

The State of Maryland was faced with a water quality crisis in Chesapeake Bay similar to what we now face in the Great Lakes. They faced this challenge and are now leaders in the United States in improving habitat through stormwater management. Their philosophy is that the most effective technology for infiltration or detention must be applied at each development site regardless of the "type" of system being discharged into. The developer must justify if and why they cannot meet these conditions and specify what techniques will be used to ensure either net gain or, at the worst, no net loss of

habitat. We endorse this type of program and hope that our eventual guidelines will reflect this as well.

All technically based environmental solutions should continue to be in the "development stage". This should not prevent us from using the best techniques available. We should be encouraging rather than "not discouraging" the testing of new techniques.

We recognize that the legislation and bureaucracy surrounding the approval process is complex and often counterproductive. The administrative process proposed in the guidelines ensures no improvement to this. For these guidelines to be effective the approval process needs to be streamlined. If the guidelines were strengthened to satisfy the goal of net gain, and were applied equally, the approval process could be delegated to more local levels of government. This would reduce the bureaucracy, ensure standardized application of stormwater management, put more emphasis on enforcement at a local level, and remove the adversarial relationship which is present now between the various reviewing agencies. The role of the provincial agencies would continue to be one of legislative enforcement, refinement of criteria and guidelines, as well as consultant. We agree with the need for provincial agencies in conjunction with conservation authorities to develop watershed plans to guide municipalities.

We suggest that separate appendices should be produced which describe each technique in detail. These would include information on engineering and maintenance, site and soil requirements, benefits, and limitations. These appendices could be updated periodically as new techniques are developed.

We believe that stormwater is a resource that should be used to obtain the maximum benefit. These guidelines should direct both governing agencies and developers toward a goal. The goal should be that of sustainable development and a net gain of fisheries habitat. Proper use of stormwater can achieve this goal. If our guidelines accept a lesser goal (ie. "limited disruption"), we are ensuring that fisheries habitat will continue to be lost and we will not see the benefits of proper stormwater management.

The technologies are evolving rapidly which now make it feasible to reverse the destruction of our watersheds through effective stormwater management. There is a strong desire among the public that our environment be improved. It is our hope that we seize this opportunity to provide the direction necessary to meet this goal.

We thank you for allowing us the opportunity to participate in the review process and hope that our comments have been useful. Our chapter would welcome the opportunity to further assist in the refinement and implementation of these guidelines.

SOUTHERN ONTARIO CHAPTER EXCOM

MINUTES OF THE OCTOBER 5, 1989 MEETING by Henk Rietveld

PRESENT: Les Stanfield, Ken Harris, Geza Gaspardy, Henk Rietveld

GENERAL BUSINESS:

- Les suggested that the Chapter should send a delegate to Springfield, II. to the NCD annual meeting. Henk said he'd apply for permission to travel, but was not optimistic.
- 2. Planning for the <u>Groundwater Management Workshop</u> is well under way. The tentative date for the workshop is March 8th, somewhere in the Mississauga-Cambridge-Waterloo area. The cost will be \$125/day advance registration, \$150 at the door. Geza Gaspardy is in charge of workshop organization [see article in this issue]. We hope to get one of the cities to help host this session. An agenda and brochure will be available by January.

- 3. Ken has the proceedings of the <u>Fish Habitat Protection Workshop</u> just about finalized. He will send a disk to Henk, who will arrange for laser printing. All participants will receive a free copy, others will be charged a handling fee of \$3.00.
- Henk reported that arrangements have been made with the Frost Centre for the Annual Meeting and Workshop for January 11-12, 1990. The theme of the Workshop will be Fish Culture as a Management Tool. Costs for the workshop will be \$80 pre-registration, \$85 at the door for members; \$90 pre-registration, \$95 at the door for non-members. This will include meals and accommodation at the Frost Centre. [A registration form is attached to this issue].
- 5. Les reported on the status of the MNR position on a <u>Fish Habitat Protection policy</u>. The response from Geo. Whitney, Director-Fisheries Branch, was positive. We will also send Gail Beggs, Supervisor-Fish Habitat and Community Section, a copy of the workshop proceedings.
- 6. Nominations for committees have not been overwhelming. We will send a <u>call for</u> nominations with the next Newsletter [see ballot in this issue]. We agreed that each Excom member would call 3 people to persuade them to stand for office.
- 7. The Newsletter has been difficult to get out on time. Everyone concerned has major time commitments, and Excom members have expressed some concern about the use of MNR resources, in particular, to type and publish the Newsletter. It was agreed that this should be kept to a minimum. Everyone was encouraged to get the stuff to Hal on time so that deadlines could be met.
- 8. Ken Harris is to put a summary of the <u>Wallop-Breaux proposal</u> in the <u>Newsletter</u> [see article in this issue]. We plan to have an open vote on support for this proposal at the annual meeting.

COMMITTEE REPORTS:

- 9. The review team for the <u>Stormwater Management Guidelines</u> will consist of Jon Planck, Lorrie Pella and Jack Imhof.
- 10. Jack Imhof has been contacted re: 6th Trout Stream Rehabilitation Workshop they want to come to Canada. If Southern Ontario is chosen as a location, we should cosponsor this session.
- 11. Mike Jones has had few responses to the <u>Continuing Education</u> questionnaire which appeared in the last Newsletter. The response from MNR people was especially disappointing. Mike and Tom Whillans still look forward to hearing from members on this important issue [see attached replacement questionnaire].
- 12. Nothing to report from Fish Culture and Computer Users committees.
- 13. We still do not have an <u>Awards</u> committee. The Excom would like to see a 'Best Paper award, for example, given to the best presenter at the Annual Meeting and Workshop.
- 14. Henk handed over the finances to Geza. We finished up the year in the black [see below] but outstanding obligations continue to make us a "not-for-profit" organization. Hopefully the sponsorship of training and development workshops will change this.

SOUTHERN ONTARIO CHAPTER AFS

- FINANCIAL SUMMARY -

OCTOBER 5, 1989

 DATE	ITEM	DEBIT	CREDIT	BALANCE
1988.12.12	OPENING LOAN FROM NC DIV'NU	400.00	(US) 471.80	471.80
1989.01.24	POSTAGE - 1ST NEWSLETTER	200.00	,,,,,	271.80
1989.01.30	DEPOSIT - FEES		205.00	476.80
1989.02.10	COST FOR CHEQUES	9.61		467.19
1989.03.21	DEPOSIT - FEES		215.00	82.19
1989.03.29	LIQUOR PERMIT - WORKSHOP	44.00		638.19
1989.04.10	REVENUE - WORKSHOP		1,743.00	2,381.19
1989.04.11	FOOD - WORKSHOP	101.00	• •	2,280.19
1989.04.12	BOOZE - WORKSHOP	245.95		2,304.24
1989.04.12	BOOZE - WORKSHOP	41.65	•	1,992.59
1989.04.28	ACCOMMODATION - WORKSHOP		1,209.51	963.08
1989.04.28	INTEREST		2.68	965.76
1989.04.28	SERVICE CHARGE	1.00		964.75
1989.05.02	REFUND - J. ELNER	25.00	•	939.76
1989.05.03	REFUND - J. COOLEY	25.00		914.76
1989.05.24	DEPOSIT - FEES		100.00	1,014.76
1989.06.09	REFUND ON BOOZE - WORKSHOP		110.00	1,124.76
1989.10.04	DEPOSIT - FEES		5.00	1,129.76
 1989.10.04	MONEY ORDER CHARGE	2.25		1,127.51
1989.10.04	CLEAR ACCOUNT	1,127.51		0.00

CALL FOR NOMINATIONS

The Executive committee of the Southern Ontario Chapter - AFS invites nominations for Chapter officer (PRESIDENT, SECRETARY, and TREASURER) and committee positions to be voted/assigned at the next annual meeting: January 11-12, 1990 at Dorset.

Please communicate candidate information (with their approval) to: Les Stanfield, 283 Patterson Street, Newmarket, Ontario L3Y 3L9; or phone him at Maple (416) 832-7128.

THE DEADLINE FOR NOMINATIONS IS December 20, 1989

ANNUAL WORKSHOP AND BUSINESS MEETING

by Ken Harris

Elsewhere in this Newsletter you will notice information regarding our upcoming annual 'get-together'. As was the case last year, I think our topic for the workshop, Changing Perspectives:

Stocking as a Management Tool in Ontario, is both a timely and vital issue within our profession. With the ever-increasing costs of fish production, rising pressure on high-yield sport fisheries, and the ongoing discussion over the Strategic Plan for Ontario Fisheries (SPOF) and its

impact upon provincial stocking policies, information regarding the good, the bad and the ugly aspects of fish stocking is vital to the fisheries professionals of southern Ontario.

Again, as was the case with our 1989 meeting, I cannot stress enough the importance of PARTICIPATION by Chapter members in these annual events. Our turnout in April 1989 was excellent; membership has since grown considerably, and it would be very encouraging indeed to see a large majority of our members in Dorset this year. Responding to suggestions made at last years' meeting, we have scheduled the meeting at the end of a work week, so that it does not cut

into our members weekend/family time, and the January timing of the event should allow people, including students, to get away for a couple of days. We are in the process of lining up speakers for the workshop (if you're interested, give me a call!), with the intention of balancing both the positive and negative aspects of stocking-related information. It should make for an excellent information session, as well as a sterling opportunity for people to get together, which after all is the primary purpose of the Chapter. By the way, some may notice that the fees for the meeting have increased from last year. Among the many things that your Executive Committee members have learned over the past year is that running deficitproducing meetings is not healthy for the finances of the Chapter. Total costs connected with last year's meeting were, shall we say, slightly underestimated. Therefore, this year we have come up with a more realistic fee schedule. Lest you go away thinking that the Chapter will reap mass profits, however, let me assure you that the fees for this year represent a break-even budget plan; every effort has been made to keep costs down. We still feel that it's not a bad deal -- learn some things, discuss the burning issues of the day with your peers, find out the latest gossip, make new connections, good food, nice setting, what more can you ask?!

So come on up to Dorset in January, and maybe bring along a friend or colleague. Once again, the key is PARTICIPATION!

DINGELL-JOHNSON/WALLOP-BREAUX:

Perhaps some of you have been wondering what the issue of 'Wallop-Breaux' is all about, and why the Southern Ontario Chapter has recently become involved in it. Let's try to clarify the issue.

Wallop-Breaux (W-B) is a legislative amendment (named, in the American fashion, after the two legislators who spearheaded it) to the 1950 Dingell-Johnson (D-J) Act passed by the U.S. government. The formal name of the legislation is the Federal Aid in Sportfish Restoration Act. In essence, the D-J Act imposes a 10% excise tax, collected from manufacturers, on certain items of sportfishing equipment such as reels, rods, and artificial lures. It is, therefore, a "user-pays" type of tax, in

that it is passed on by the manufacturer to the angling public. The monies collected are returned to individual States by the U.S. federal government to assist in the funding of sport fisheries management. D-J has a wildlife counterpart known as the Pittman-Robertson Act. Revenues from the D-J tax are redistributed to the States on a formula basis involving population, area of manageable waters, and number of licensed anglers. [ed. note: D-J & W-B are administered by the USFWS, Dep't of the Interior. W-B funds go to states and the U.S. Coast Guard.]

The W-B amendment to the D-J Act was passed in 1984 as a response to a growing deficiency in the amount of revenue being generated by the tax in recent years. This was in part due to the expansion in types of angling equipment available since the 1950's which was not included under the D-J Act. The W-B amendment allows for taxation of all items of fishing tackle, outboard engine fuel taxes, and import duties on foreign-made fishing tackle and boats. In order to get the W-B passed, extensive help was required from the powerful lobbying group of the American League of Anglers and Boaters; consequently, some of the monies (10%) collected now are devoted to Boat Safety and Boat Access Improvement projects. The American Fisheries Society was also heavily involved in getting the W-B passed.

W-B has had a tremendous impact in the U.S. fisheries management programs. In the last year (1985) of simple D-J funding, \$U.S.38 million was collected; in 1986, under W-B rules, \$122 million was collected and redistributed to the States. For example, Michigan, a state with approximately 1.5 million license holders and with both inland and Great Lakes fisheries (sound familiar?) received \$6.9 million in D-J/W-B funding for fisheries and boating projects. Areas in which these funds can be spent include base program funding; boating safety and access; aquatic resources education; research and development; and prospective land/water purchases for habitat protection.

With regard to the present issue of a W-B type program in Canada, several points should be noted:

1. D-J/W-B funds are <u>dedicated</u> funds; no "skimming" by federal agencies or

general state treasuries is allowed; administration expenses cannot be funded out of D-J/W-B. This is a vital point.

- 2. States can use allocations from any given year over the next two years. Interest accumulated is therefore extra income. This is known as "trust-fund" status.
- 3. States cannot use D-J/W-B funds to replace traditional funding from the State treasuries. Historical funding levels must therefore be maintained. D-J/W-B funds may be used to add-on to base budgets.

As attractive as this type of program sounds, however, the current political climate in Canada with regard to taxes and/or user-fees is not promising. Also, there is already some very evident dissatisfaction among the Ontario angling public over the current usage of the recent Angling License initiative by the OMNR. Broad-spectrum political support on all levels (federal, provincial, municipal), as well as the cooperation of strong lobbying organizations such as the Ontario Federation of Anglers and Hunters would be essential to success of a similar initiative here. Also, in that import duties on foreign-made angling products would be a major source of revenue under any Canadian version of D-J/W-B, the impact of the Free Trade Agreement would have to be assessed.

Much more detailed information will be made available to you at the forthcoming Annual Meeting in Dorset in January. Until then, I invite you to give this issue some serious thought with regards to future Chapter involvement.

CONTINUING EDUCATION QUESTIONNAIRE

by Michael Jones

So far we have received only 7 responses to our questionnaire regarding a role for the Chapter in providing continuing education opportunities for its membership. Tom Whillans and I find this very disappointing. In the absence of a more significant response we can only conclude that Continuing Education should not be a priority for the Chapter --- a conclusion I consider most unfortunate and probably inaccurate. Please take the few

moments needed to fill in the survey (a replacement form is attached to this Newsletter) and send it to Tom or me. We would like responses even if your answer NO to question 1.

STORM WATER MANAGEMENT WORKSHOP: MARCH 8, 1990

by Geza Gaspardy

Storm water management has received considerable attention in recent months as a method of mitigating some of the impacts of urban development on the aquatic environment. The sceptics suggest these methods are so limited in their application as to render them impractical except in very unusual circumstances. Others may be improperly viewing these tactics as a panacea for a much wider spectrum of symptoms. Consequently, the Southern Ontario Chapter of the American Fisheries Society is planning a one day seminar to critically examine storm water management techniques, specifically ground water recharge. Municipal, provincial and consulting planners, engineers and biologists should benefit most from these presentations and discussions. Speakers will include senior municipal representatives, design engineers, biologists, planners and academicians focusing on rationale, methods, design requirements and case studies. A panel discussion is planned to conclude the formal discussions, followed by a social hour and banquet.

proposed date:

8 March, 1990

proposed venue:

TBA - west fringes of the

Greater Toronto Area

inclusions:

literature review, banquet, lunch and

refreshments

To make your suggestions, offer your assistance or get details, call Organizing Committee Chairperson: Geza Gaspardy (416) 670-1615 fax: (416) 670-2210.

MEMBERSHIP REPORT

by David McLeish

Applications for membership have been very low over the last few months and membership is currently at 118. I hope to initiate a membership drive this winter

and ask that anyone knowing of potential members, agencies or companies, to whom I could send an information package to, please send me their addresses.

As discussed at the annual meeting, members are now to renew memberships in the Chapter at the same time parent society memberships are renewed. Simply indicate that you are renewing a membership in the Southern Ontario Chapter in the appropriate box on the Parent Society renewal form (the Parent Society and I will take care of the rest). For NEW members wishing to join the Southern Ontario Chapter only: a one time, one year membership can still be obtained by writing me at the following address and enclosing a cheque for \$10.00, payable to Southern Ontario Chapter AFS: David A. McLeish, 29 Lynd Avenue, Toronto, Ontario M6R 1T8.

LOGO UPDATE

For those who can remember back to our first annual meeting, last spring, a number of potential logos for the chapter were presented. Following a brief presentation, a submission by Ted Elliot, at U. of T., was by far the favourite. There was some concern, however, that the detail in the drawing would not lend itself to reduction for use on crests, etc. Ted has agreed to rework the artwork into a form that can be more easily reduced and has somewhat less detail.

WORLD FISHERIES CONGRESS

by Myron Humeniuk

Take a moment now to circle the dates April 14-19, 1991 on your calendar. During this time period the city of Athens, Greece, will be hosting the first assembly of the World Fisheries Congress. This global forum will focus on a critical assessment of the state of the world's fisheries resources and promote scientific collaboration among the world's fisheries scientists, managers and other interested personnel.

The Congress will begin and end with fullday plenary sessions. Each of the following three days will include three concurrent sessions - one session of contributed papers and two featured symposia on major themes of global importance. The symposia will include invited presentations during the mornings, followed by multiple workshops and discussions in the afternoons. Topics selected for the featured symposia are:

- . Role and Nature of International Fisheries Development Projects
- . Condition of Major Aquatic Habitats
- . Role of Aquaculture in World Fisheries
- . Protection of Faunal Diversity
- . Assessment Methodologies for Fisheries Management
- . Fisheries Resource Utilization and Policy

Specific resolutions representing conclusions and recommendations of the Congress will close the meeting. A trade show will be held concurrently, computer workshops are tentatively planned and a lively social program is being organized. The Congress will be recorded in a five-volume proceedings, containing over 1800 pages.

The World Fisheries Congress is being planned through the joint efforts of fisheries and resource organizations worldwide. A call for papers will be issued in late 1989. An Advisory Council, composed of representatives of international scientific and professional societies, guides all aspects of the Congress, oversees the activities of the international Steering Committee, and provides the framework for long-term international cooperation among fisheries scientists and managers. The American Fisheries Society provides administrative support. Between 1000-1500 participants are expected. Thirty-six fisheries and natural resource organizations have agreed to co-sponsor the World Fisheries Congress.

Fund raising has been and continues to be a major concern and effort at the present. Numerous private foundations have been solicited for support and many other individual efforts have been conducted. At the Annual Meeting of the American Fisheries Society in Anchorage Alaska this past September, steering committee members introduced details of the Congress and made requests for funding at the business meetings of various AFS Sections and Chapters. The modest amount of \$1 per member was solicited at these sessions. I am respectfully requesting that the

Southern Ontario Chapter of the American Fisheries Society make a matching contribution. Become involved! Present a paper! Plan to attend! We need your assistance now. For further information contact:

Resource Systems Mgmt Intn'l Inc. 133 Wynford Drive Toronto, Ontario M3C 1K1 Att'n: Myron Humeniuk

Telephone (416)441-4111 Ext. 313 Fax (416)441-4131

World Fisheries Congress 5410 Grosvenor Lane, Suite 10 Bethesda, Maryland USA 20814-219

Telephone (301) 897-8616 Fax (301)897-8096

FISH CULTURE FORUM

by Gary Chapman

The response to our first column was not very impressive. However, after discussing a few options with Hal we have decided to try again with a slightly different approach.

PRIVATE SECTOR AQUACULTURE IN ONTARIO:

Some very interesting events are taking place in Ontario as far as private fish culturists are concerned. A number of farmers have received written permission to culture alternative species such as Chinook Salmon, Atlantic Salmon and Baitfish. In addition, the Ministry of Natural Resources along with assistance from the Ministry of Agriculture and Food is arranging to import certified domestic stocks of Arctic Charr, Atlantic Salmon and spring spawning Rainbow Trout into Ontario. These fish will be quarantined at the new Alma Research Fish Farm and will be distributed to a number of private facilities within Ontario. This is indeed good news to the private industry in Ontario as it has been obvious for some time that alternatives to growing rainbow trout are necessary.

I just happened to mention to Chapter President Les Stanfield that our future plans are to eventually rear alternative species in cages. As a private fish farmer, I see this as a very

feasible, as yet untested, alternative to the traditional rearing of trout at landbased facilities. As part of MNR's Salmonid Ecology Unit, Les was quick to point out the possibility of escapement and future impact of cage reared fish on native species. I will be the first to agree that a mismanaged operation could be disastrous if large numbers of fish were to escape and survive to maturity in the wild. However, I feel strongly that the likelihood of this occurring is quite slim if proper management techniques are strictly followed. After all, we are in the business of growing fish to sell not stock.

PERSONALLY, I AM MORE CONCERNED ABOUT THE NUMBER OF CFIP HATCHERIES WHICH HAVE BEEN INTRODUCING ALARMING NUMBERS OF CHINOOK SALMON INTO THE GREAT LAKES ... CFIP IS A FANTASTIC PROGRAM, BUT WHY HAS THERE BEEN SO MUCH EMPHASIS ON GROWING AND STOCKING FISH?

This discussion started me thinking about which have been introduced into the Great Lakes in attempts to either create a sport fishery or simply introduced by accident. Personally, I am more concerned about the number of CFIP hatcheries which have been introducing alarming numbers of chinook salmon into the Great Lakes. There is no doubt in my mind that these fish have had an adverse effect on certain native species in the Great Lakes, such as Lake Trout. A few years ago I witnessed a dive in Iroquois Bay, where spawning Lake Trout were being aggressively chased off their spawning shoals by spawning Chinook Salmon. A number of these Salmon were observed spawning and their eggs were actually collected from the area.

I am in no way against CFIP projects and believe it is a fantastic program, but why has there been so much emphasis on growing and stocking fish? The groups I admire are those who manage a stream or river through rehabilitation and not by simply dumping fish without knowing the consequences.

To date, I believe the MNR is doing a more than adequate job at helping the private sector develop by issuing experimental permits and importing alternative species.

I have yet to determine or be told OMAF's mandate. Although, it is apparent that they wish to take a leading role with the initiation of the Aquaculture

Extension Centre and the Alma Research Fish Farm. However, only time will tell if they can respond to the demands and needs of the entire industry and not simply those of the trout producers.

The direction in which MOE is heading is encouraging and they must now force all farmers to be held responsible for the effluent leaving their farms. The often heard excuses of why effluent parameters can not by met are just that, excuses. Fish farmers must face the facts: They do have an impact on receiving waters and therefore, they should resolve this problem.

The Department of Fisheries and Oceans is more than willing to help transfer technology into the province and will continue to play a larger role in Aquaculture in Ontario.

COLLEGE EXTRA:

Sir Sandford Fleming college initiated an Aquaculture course a number of years ago. Al Chamberlain, an instructor at the college and also cochair of this fish culture committee, discussed with me what he would like to see come out of this forum. Al sees the need for input from industry and government agencies regarding their expectations of college graduates - Any suggestions from the private sector?

To date, I have been pleased with a number of the graduates who have worked for us. I believe, however, they may be lacking a research discipline. More facilities are conducting in-house R and D and more useful information could come from these experiments if properly designed and conducted.

What are your suggestions or opinions of what the colleges should be teaching students in fish culture programs to better prepare them?

Any comments or suggestions can be sent to: Gary Chapman c/o Cold Water Fisheries Inc., Box 249, Coldwater, Ont. LOK 1E0 (705)686-7756, or, Al Chamberlain c/o Sir Sanford Fleming College, Box 8000, Lindsay, Ont. K9V 4E6.

REHAB CORNER

by Jon Bisset and Al Murray

Waterbody: Rest Acres Creek

Watershed: Grand River

Stream Order: 2

Nearest City: Brantford

Goal: To increase spawning and

nursery habitat for resident stream

salmonids

医线 电流流

Rest Acres Creek is a second order coldwater tributary of Whiteman's Creek, itself a high quality coldwater stream known by local anglers for producing good numbers and sizes of brown trout. Whiteman's Creek is somewhat unique in that headwater temperatures remain too warm for trout until the stream passes through the Norfolk sand plain near Princeton. Here the stream is charged with groundwater transforming the stream from warm to cold water. The lower section of Whiteman's Creek is one of the most heavily fished resident trout streams in Southern Ontario receiving over 15,000 rod hours of fishing effort per season.

Intensified agricultural practices within the upper watershed subject the stream to flash flooding and increased sedimentation which contributes to variable spawning success. Rapidly fluctuating spring water levels can disturb stream substrate which may in turn cause increased mortality of pre-emergent juvenile trout. Due to unpredictable conditions within Whiteman's Creek, tributary streams were evaluated for their potential contributions to spawning success.

Although small in size at approximately 0.03 m³/s Rest Acres Creek provides a constant flow of spring water over approximately 2 kilometres of potential spawning and nursery area. Until the summer of 1987 a 2 meter high dam blocked the movement of fish into Rest Acres Creek. The dam also slowed water allowing increased deposition of sediments on potential spawning gravel. Biologists Jack Imhof and Larry Halyk of the Ministry of Natural Resources, and Warren Yerex of the Grand River Conservation Authority recognized the potential Rest Acres Creek had and began the process of restoring it as a spawning/nursery tributary.

The initial step was setting up a biomass station within Rest Acres Creek to get an estimate of fish production before

any rehabilitation efforts were undertaken. The next step was the removal of the dam and structural enhancement of the resulting stream channel. With money provided by the new Resident Sport Fishing Licence a high hoe was contracted to remove the old concrete structure during the summer of 1987. After a frustrating 1/2 - 1 hour effort it became apparent that the dam had been well constructed and would not crumble under the weight of the high hoe. Explosives had to be brought in to complete the job of breaking apart the dam. The newly exposed streambanks were then seeded and the stream left to stabilize until the following summer.

Rest Acres Creek not only offered a potential biological success story but also had great potential as an educational project. Approximately 3/4 of the creek flows through the App's Mill Nature Interpretive Center property operated by the Grand River Conservation Authority. The center is open to the public on weekends and is visited annually on weekdays by thousands of area school children.

In the summer of 1988, four students hired under the Ontario Government Experience '88 program constructed trails next to Rest Acres Creek allowing wheelchair access to various points along the watercourse. This allowed members of the public and school groups easy access to rehabilitated portions of the stream. Work continued in the fall of 1988 on the enhancement of instream structure and was completed by young people hired under the Environmental Youth Corps Program. A series of three Hewitt Ramps were constructed within the high gradient section of stream which flowed through the former dam and pond site. Each ramp acts as a small dam creating a head of water and an associated plunge pool which can be negotiated by adult brown trout. Additional work on the upper part of the creek concentrated on establishing a well defined silt free channel. Instream blockages were removed, banks were stabilized with rock, and cedar sweepers were placed along the streambanks in an effort to flush silt out of the stream channel and allow passage of mature fish into potential headwater spawning areas.

The project was completed with the placement of interpretative signs along Rest Acres Creek. The signs outlined the purpose of individual rehabilitation techniques in addition to explaining the

contributions small tributary streams have on the enhancement of the watershed's fisheries resources.

Initial results would indicate rehabilitation efforts were successful. The number of brown trout redds within Rest Acres Creek increased from 4 to 14 in 1987 and 1988 respectively. A biomass estimate conducted in the spring of 1989 produced numerous YOY brown trout. more difficult to measure the full impact of rehabilitation efforts as an educational tool. Certainly their benefits are equal to or greater than potential biological benefits. This aspect was brought to the forefront during the fall 1988 spawning season when nature interpreters were able to bring groups of school children literally to within a few meters of spawning brown trout surpassing all expectations of this project as an educational tool.

Special commendations for this project go out to biologists; Yerex, Halyk and Imhof for initiating and overseeing the rehabilitative efforts. Additional commendation goes out to Peter Pautler, Director of the App's Mill Nature Center, whose cooperation was invaluable in carrying out this project.

IT IS MORE DIFFICULT TO MEASURE THE FULL IMPACT OF REHABILITATION AS AN EDUCATIONAL TOOL. CERTAINLY THEIR BENEFITS ARE EQUAL TO OR GREATER THAN POTENTIAL BIOLOGICAL BENEFITS.

PARENT SOCIETY NEWS

- * An all-time annual meeting attendance record of 1,182 was established at last fall's 119th annual meeting in Anchorage, Alaska. The meeting featured nearly 600 technical papers presented in up to 10 concurrent sessions.
- * Joe Dillard of Missouri succeeds Bob White as AFS President. Other officers declared at the September 6 annual business meeting are: Larry Nielsen, president-elect; Rich Gregory, 1st vice-president; and Carlos Fetterolf, 2nd vice-president. Bob White replaces Stan Moberley as past-president.

- Southern Ontario Chapter president Les Stanfield has been elected by the AFS EXCOM to serve on the Nominating Committee.
- * Six resolutions won endorsement from the AFS EXCOM and full membership at the 1989 annual business meeting and addressed these issues:
 - opposition to a proposed Great Lakes Inland waterway
 - support for increased Great
 Lakes Fisheries Commission
 funding
 - restricting ballast water discharge from ocean going vessels in the Great

Lakes and other North American waters

- seeking international agreement to reduce drift gill-net incidental catch of
- salmon, steelhead, sea
 turtles, marine mammals and sea
 birds
- encouraging the mitigation of acid mine drainage
- expressing gratitude to the hosts of the annual meeting.
- AFS' best evidence shows that just over half of all state fisheries biologists are AFS members.
- * The North Central Division's [of which we are a sub-unit] annual meeting will coincide with the Midwest Fish and Wildlife Conference, December 3-6, 1990, at the Hilton Hotel and Ramada Renaissance Hotel, Springfield, Illinois.
- A \$5,000 Canadian contribution toward publication of the 2nd edition of Design of Fishways has been authorized by the Honourable Tom Seddon, Minister of Fisheries and Oceans.
- * Catalogues of slides for 670 fish species available from the AFS photo collection are available from the AFS main office. They request a self-addressed 9" X 12" return envelope with \$USO.65 postage affixed. [Presumably, Canadians should send a money order to cover postage].

* Black bass [Micropterus sp.] salmonid interactions information is
being sought by Bill Bengeyfield,
Global Fisheries Consultants Ltd.,
13069 Maine Drive, White Rock, BC, V4A
1E5, telephone (604) 531-9769. The
information will be used by BC MOE to
assess the desirability of introducing
small- or largemouth bass in selected
waters of the Lower Mainland for sport
fishing. Findings of the literature
search will be shared with any
interested persons.

Do You Know That The ZEBRA MUSSEL Has INVADED Lake Erie? Of course you do - Why not request a copy of the Lake Erie Fisheries Review from: MNR, Lake Erie Fisheries Station, RR 2, Wheatley, Ontario NOP 2PO. Telephone (519) 825-4623.

EDITORIAL

by Harald Schraeder

And so our 5th issue!!! of the Newsletter draws to a close. Do you recall much from previous issues? (Judging from the dismal membership response to the questionnaires published by newly formed committees in our last issue, probably not.)

our last issue, probably not.)
A couple of our more active members have gone so far as to call me to comment on the usefulness of the Newsletter, what it is supposed to do, its timeliness, etcetera. I recalled that all sub-units recognized production of a Newsletter as one of their most important functions, especially since members seem to be distributed over broad geographic areas [I see where I've now been elevated to sit on the Excom]. I suppose this reflects the opinion that if nothing else AFS subunits/Chapters should facilitate networking between like-minded fisheries professionals in the same general area who are most likely to share similar contentious issues and problems.

CHAPTER MEMBERS CAN FIND COMFORT KNOWING THEY HAVE FRIENDS THEY HAVEN'T EVEN USED YET.

The poor response to solicitations and surveys in earlier issues of the Newsletter doesn't surprise me in the

least - in fact the AFS procedures manual cautions us that "talented, busy people don't respond well to general appeals". This isn't necessarily apathy, you know, it could indicate that everyone is simply waiting for something tangible they can critise the *@#&\$! out of. I strongly believe that the Newsletter is serving a very important function - however seasonal that may be.

We have an elected EXCOM to look after our interests on a year-round basis and respond to issues as they arise. As a Chapter member, I endorse the views and opinions of the EXCOM and do so without feeling the need to be consulted. I do reserve, however, the right to review their activities and to 'throw them out' at an annual meeting if I can convince a plurality that this is a reasonable thing to do (disassociation with AFS doesn't enter into the picture for me). Similarly, I believe our committees are taking the best possible action on matters for which they were struck by the EXCOM. I appreciate the often thankless effort by the few and I do assimilate information presented in the Newsletter - but invariably I don't feel compelled to acknowledge it. All this points to the Chapter's need for formal recognition of mambers' services (Awards Committee).

In my opinion, the Newsletter is for disseminating information. It will never be useful as a medium for discussion of issues - that's what we hold annual (or more frequently?) workshops and business meetings for. It is also logistically impracticable to issue this Newsletter (i.e. sans budget) more frequently (3-4 issues per year) without it degenerating into 'junk mail'.

Finally, I think the membership can expect the following in the Newsletter:

- Accounts of EXCOM activities: meetings, expenditures, resolutions, correspondence on behalf of the Chapter,
- Committee updates and contacts, i.e. identification of the Chapter's 'talent bank'.
- Communication of fisheries science issues and the conduct of the fisheries profession within our geographic area.

I'd like 'Letters to the Editor' for our next issue, including your reactions to items in this issue - please keep them short and use them to: provoke some thought amongst our readers, make suggestions, ask questions.

ON THE LIGHTER SIDE

by David McLeish

Many, if not all, Fisheries Biologists are involved in communications of one form or another. It may take the form of scientific or technical reports, memoranda, policy documents, public presentations or any other communication which involves stringing a number of words together. How often have the right words escaped you? How often have you marvelled at the way politicians talk on effortlessly without really saying anything? Have you ever found our own fisheries jargon inadequate to express a particular sentiment? Well, your worries are over! This space will bring you a wealth of vague, meaningless phrases that can be incorporated into a host of fisheries publications and presentations. Your peers will soon marvel at your latest publication and eagerly await your next.

Yes, it's the BUZZ PHRASE GENERATOR

I will regularly bring you additional phrases or parts thereof that you can use to build your own GENERATOR, tailored to your specific needs. Soon everyone will be able to incorporate a GENERATOR into their word processor or text editor and generate wonderful reports, etc...

Here is your first instalment.

THE SOUTHERN ONTARIO AFS BUZZ PHRASE GENERATOR

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SIGNIFICANT COMPATIBLE INTEGRATED COOPERATIVE COMPLETE STRATEGIC INVOLVEMENT
MITIGATIVE
DEVELOPMENT
SOCIOECONOMIC
ENHANCEMENT
SYSTEMS

PLAN PROGRAM GUIDELINES STRATEGY OBJECTIVE ANALYSIS

Instructions for Use:

The GENERATOR is easy to use. Simply select any word from columns I, II, and III and you instantly have an important sounding but ambiguous phrase to use in your next communique.

Hopefully, this GENERATOR will assist you in preparing a STRATEGIC DEVELOPMENT PLAN or perhaps an INTEGRATED SYSTEMS GUIDELINE. Whatever you do, use it wisely.

Next issue there will be more phrases to add to your GENERATOR. As well, anyone with suggestions for the GENERATOR is asked to contact me and I will see that they are incorporated into upcoming instalments. Well, I'm off to develop a strategic something-or-other.

THE NEXT ISSUE OF THE NEWSLETTER WILL BE PRODUCED IN FEBRUARY, 1990.

AMERICAN FISHERIES SOCIETY

SOUTHERN ONTARIO CHAPTER

2nd NOTICE AND CALL FOR PAPERS

2nd ANNUAL PROFESSIONAL

WORKSHOP

January 11-12, 1989 Leslie Frost Natural Resources Centre Dorset, Ontario

In a continuation of the effort to provoke information transfer, communication, and cooperation between the fisheries professionals of Southern Ontario, the Chapter presents:

"CHANGING PERSPECTIVES: STOCKING AS A MANAGEMENT TOOL IN ONTARIO"

The role, use, and perhaps abuse of fish stocking as a management strategy in Ontario waters is a major issue of current debate between the fisheries planners of our region. In this workshop, the Chapter brings together representatives of the relevant agencies, public advocacy groups, user groups, and academics to present their perspectives on stocking practices today and in the future of Ontario fisheries.

This Workshop will be held in conjunction with the:

2nd ANNUAL CHAPTER BUSINESS MEETING

which will include such items as elections of new Chapter executives, review of activities and finances, future policy directions, and all other aspects of Chapter operations.

TENTATIVE SCHEDULE:

DAY 1, JAN 11

10:00 - 12:00 Arrival and Registration

12:00 - 1:30 Lunch and Mixer

1:30 - 5:00 Presentations (6)

5:00 - 7:00 Supper and Keynote Address

7:00 - Annual Business Meeting and Discussion

DAY 2, JAN 12

9:00 - 12:00 Presentations (4) and Wrap-Up

12:00 - 1:30 Lunch

1:30 - Fishing Trip and/or Departure

PRE-REGISTRATION FORM A.F.S. SOUTHERN ONTARIO CHAPTER 2ND ANNUAL PROFESSIONAL WORKSHOP

JANUARY 11-12, 1989 LESLIE FROST NATURAL RESOURCES CENTRE DORSET, ONTARIO

IAMIJE :
AFFILIATION:
ADDRESS:
TELEPHONE:
<u>FEES</u> (please check)
Chapter Members, Pre-Registered: \$80.00 Chapter Members, At-Door: \$85.00 Non-Members, Pre-Registered: \$90.00 Non-Members, At-Door: \$95.00
These fees cover participation in the workshop (covers cost of speaker participation); one night accomodation at the Frost Centre two lunches, one supper, and "meeting snacks"; and a copy of the Workshop Proceedings when available.
ONTARIO GOVERNMENT EMPLOYEES:
The Chapter can arrange to have the accomodation and meals portic of the above fees coded directly to the Frost Centre. Should you choose to do so, the fees outlined above will not be payable at this time, but will be deferred (at the pre-registration rate until your arrival at the Workshop, at which time you will give budget code from which the Frost Centre may withdraw payment Please indicate below if you intend to follow this procedure:
Yes, I am an Ontario government employee and will provide the Chapter representatives with a budget code upon my arrival on January 11, 1990.
DEADLINE FOR PRE-REGISTRATIONS IS DECEMBER 15, 1989.
FORM OF ENCLOSED PAYMENT: CHEQUE MONEY ORDER
Please make payable to: AFS SOUTHERN ONTARIO CHAPTER
SEND TO: Ken Harris, c/o O.M.N.R., RR2, Sharbot Lake, Ont KOH 2P0

CONTINUING EDUCATION SUB-COMMITTEE

At the 1st annual meeting of the Southern Ontario Chapter, Tom Whillans and I agreed to co-chair a Continuing Education Subcommittee for our Chapter. Our first task is to find out what the membership sees as our greatest needs for continuing education opportunities that might be facilitated by the Chapter. To accomplish this we obviously need your input. Please take a few moments to complete the following questionnaire, and send your response to me or Tom.

por	nse to me or iom.	
1.	Do you think the Southern Ontario Chapter should play a in providing continuing education opportunities for membership?	
2.	In which of the following areas would you like to have opportunities for continuing education:	more
	- Fisheries technical courses sampling methods survey techniques age and growth rehabilitation techniques other	
	- Fisheries/resource management coursesexperimental managementmanagement principlessustainable developmentconflict resolutionenvironmental ethics other	
	- Computer and statistics courses database/spreadsheet statistical analysis experimental design computer modelling other	
	- Professional development courses communications skills time management effective leadership skills negotiation skills other	

Please feel free to add other course topics that interest you.

- 3. Do you consider it important that the course have some sort of accreditation (i.e., through a university or college) (yes/no)?
- 4. The parent society (AFS) has a continuing education committee that offers endorsements for otherwise "non-accredited" courses. Do you feel such endorsement would be useful for courses you might take (yes/no)?
- 5. Training courses can be offered in a variety of formats. To some extent the appropriate format depends on the nature of the material being taught. In general, however, which of the following course formats do you feel would be appropriate for AFS-sponsored courses (you may check more than one).

short (1-3 day), intensive sessions longer (1-2 week), intensive sessions periodic, semester length (e.g. 1-3 hours per week, for several weeks) correspondence courses
Do you have any other comments related to the chapter's role in providing continuing education opportunities for its membership?

Thanks for your ideas and support.

Michael Jones, OMNR Fisheries Research P.O. Box 5000 Maple, Ontario L6A 159

(416) - 832 - 7135

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