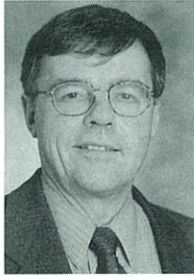




March, 1997 ~ Volume 1 ~ Issue 5

## Goodbye From the RDG



First let me say that while I am leaving Pacific Region, I'm not leaving DFO. Although my new role as Senior ADM will require me to be impartial, this region will always have a special place in my heart. Pacific Region is unique—we are the only region which is responsible for an entire ocean and, because of the Rocky Mountains, we really are on our own here.

I am extremely proud of the fact that I have been able to pull together and work productively with a truly first class management team for the region. Thanks to their ingenuity and dedication, not only were we able to make some very hard budget and fleet integration decisions for 97/98, but those decisions were made with the full cooperation and understanding of our employees, the Pacific Regional Advisory Committee and the unions.

The professionalism exhibited by DFO personnel at all levels in Pacific Region is absolutely outstanding. On the Coast Guard side, evidence of this professionalism can be seen in the manner in which the lighthouse automation program is being implemented in the face of considerable controversy. The creation of the first truly multi-tasked fleet in Canada is another example.

On the fisheries side, we've gone through some extremely difficult years, but thanks to the dedication and commitment of staff in Science, Fisheries Management and C&P, we have re-established to a significant degree the credibility of the Department.

In science, we have shown that we can be innovative. Transferring responsibility for operation of the West Vancouver Lab to the private sector has allowed us to preserve budgets for key stock assessment and habitat science programs. Increased participation by the private sector will allow us to do more science in British Columbia and is clearly the way of the future for the sector as a whole, across Canada.

Habitat and Enhancement Branch is a unique organization. Given the priority attached to habitat as a result of the MOU with the province of B.C. and the audit of the habitat function, this group will assume a more and more visible and important role in the fulfillment of our conservation and sustainability mandate. It will also continue to play a key role in community involvement in enhancement and habitat restoration.

Because of excellent team effort we have been able to deliver a tremendous amount of product on every front including the Pacific Salmon Revitalization Strategy; reinventing the groundfish fishery, modernization of the marine

safety system and the establishment of extremely successful consultative relationships with the marine community. I am proud to have had a part in achieving such an impressive record.

On the support side of the house — planning, inspection of small craft harbours, financial and human resource management — the excellence of these services played a key role in meeting program challenges.

What does the future hold for Pacific Region? Even though we are moving into a more promising fishing cycle, my successor will have his/her work cut out for them. The challenges, in addition to achieving excellence in our basic safety, conservation and management functions, will be to:

- implement the MOU with the Province;
- resolve long-standing disputes over salmon allocation;
- redesign our consultative processes;
- reinforce new partnerships between science and programs to maintain stock assessment excellence;
- aggressively pursue technological advances in the marine community; and
- manage habitat restoration and enhancement in a changing environment.

And there will no doubt be other challenges. However, I have absolute confidence in your ability to meet any and all such challenges with aplomb. I say this, because, in my opinion, Pacific Region staff are the best in their field.

I am very proud of what we have achieved together over the past two years. Keep up the good work

Louis Tousignant

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# FRAP – THE LEGACY LIVES ON

DFO's involvement in the Fraser River Action Plan (FRAP) came to an end March 31, 1997. Focused on the Fraser River basin, the six year program was an initiative aimed at improving the long term health and environmental productivity of the Fraser River basin. The three main objectives of the program, carried out jointly by DFO and Environment Canada were to:

- work with partners and stakeholders to manage the Fraser Basin in a sustainable manner;
- to improve fish and wildlife productivity in the basin; and
- to clean up pollution.

"We achieved a great deal over the six years of the program," says Al Lill, who led FRAP for most of that time. "Although the program itself is ending, many FRAP initiatives will continue. For example, one of FRAP's major objectives was to build partnerships to work towards a healthy and viable river. In fact, the partnerships established by FRAP represent one of the program's most important legacies."

FRAP helped to set up seven demonstration watersheds in which roundtable groups of local people with divergent points of view work together to guide land and water use planning in their area with the ultimate objective of healthy and sustainable watersheds. The lessons learned from these demonstration watersheds can be used by other such community groups, under the guidance of the Sustainable Communities Resource Network, which was put in place with support from FRAP.

The Streamkeepers program, created to provide training and support for community groups to restore and protect their local streams will continue, under the auspices of the Pacific Streamkeepers Federation, a non-profit society, with technical assistance from HEB.

Strong partnerships were forged with First Nations groups in the Fraser Basin. These will continue to play a vital role in habitat restoration and enhancement and the management of the fishery.

Another area addressed by FRAP was restoration of critical salmon habitat. FRAP targeted areas of the Fraser



system that were critical to salmon production and survival, such as the Fraser River estuary and urban streams. Habitat restoration projects were completed on more than 30 different streams throughout the basin. Rebuilding marshes and sloughs, reclamation of habitat below hydro dams, removal of barriers to fish migration, improvements to water flows and excavation of groundwater

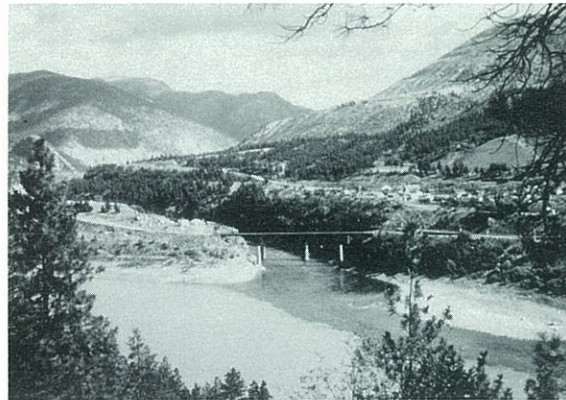
and side channels resulted in the creation or improvement of more than 423,000 m<sup>2</sup> of spawning and rearing habitat. More than 94 km of stream habitat was enhanced by tree planting, fencing and bank stabilization.

Finally, during its life span FRAP has accumulated a vast body of scientific knowledge and understanding about fish species, their behaviour and habitats, as well

as the effects of human activities on fish health and productivity. Out of this knowledge has come a number of practical tools and guidelines that demonstrate how to protect habitat, such as the Stewardship Series, and Lost Streams of the Fraser River. These tools and guidelines are available to help DFO staff, outside agencies, municipal planners, developers and community groups achieve effective stewardship of the Fraser River basin.

"Good, reliable information and well-developed plans are necessary to make knowledgeable decisions about stewardship and sustainability, whether it is in fisheries management, land-use planning or habitat planning," says Al Lill. "Thanks to FRAP, we now have the tools and long-term plans needed to guide effective management of fisheries and habitat in the future."

Although the DFO component of FRAP ended officially on March 31st, some follow-up work remains, which will be carried out during 1997/98. There are a number of reports which must be completed and a major consultation effort on the long term salmon conservation plan for the Fraser River is required. Many DFO managers and scientific staff have already participated in a number of workshop sessions on this plan, a major FRAP project designed to improve fish productivity in the basin.



# Windows 3.1 to Windows '95 – Upgrade Frenzy!

In this 'age of computers' we are frequently told that technology will save us; that it will make us more efficient, help us manage time better and make communicating with each other simpler. However, as many people who work for the DFO know, computing, the Internet, and other gadgets are not always all they are cracked up to be.

Over the last few years old hardware has been combined with new software, and vice versa. Outlying locations have upgraded (or not) with little uniformity between them. And, more recently, many more employees have gained Internet access. The result — a huge increase in the number of calls to the Help Centre as network errors, server and hardware crashes and viruses plague the system. More users, newer programs, and old software and hardware have caused the system to sag.

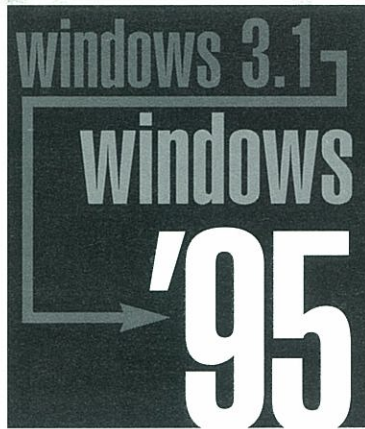
There is only one thing left to do when faced with a computer crisis such as ours: UPGRADE!

As this article is being written, the move is on to carry out "the biggest computer technology change in the recent history of DFO Pacific Region." Three key changes are involved:

**Microsoft Windows 95** — This is the next step in the Office Automation project as we outgrow Windows 3.1. The shift from Windows 3.1 to Windows '95 will probably be the most noticeable for employees since it will visually and operationally change all workstations. Microsoft's homepage promises that the new operating system will bring greater ease, speed and reliability to the office computing experience. Features such as help screens, longer file names and taskbars are designed to guide the user along while making it easier to locate documents. In addition, Win95 fully integrates communications software within the workstation, which means that inter-office communicating will be easier, and hooking up to the Internet will be a breeze!

**Microsoft Exchange** — Another noticeable difference will be the change in the mail system that is currently in use. The move to MS Exchange will standardize the e-mail system for all elements of the DFO organization allowing greater ability to share information and communicate with one another. In addition, these upgrades will put the department in tune with many other organizations allowing a greater sharing of documents etc. with the outside world. The implementation of Exchange is a National project aimed at bringing all regions and branches together.

**Microsoft Windows NT Server** — Upgrading to Windows NT and replacing the old Pathworks system will bring us all together as a network. NT will provide improved networking and workgroup support, facilitating a greater and faster level of communications between all staff.



Overall, these changes will result in improved levels of consistency, productivity and communications ability. Tasks such as room bookings (which in the past have required several phone calls to various branches) will be facilitated by a system-wide program that will allow all employees to access and add information. Internet access will increase in both speed and reliability due to the integrated communications available within Windows '95. In addition, the new operating system will allow individuals to run more applications to run simultaneously without memory errors, the ability to work with

larger files and more efficient implementation of future software upgrades.

That said, system upgrades can be a double-edged sword, as most of us realize. The changes to the DFO system will take time, cost money and will no doubt be the source of some aggravation as the switch occurs. There will be a period of transition when some programs will be using the new technologies while others are still on the old set. This will probably create a number of frustrating situations and the stem from the time that it will take to implement and roll out the software. This includes installation on all computers and fixing the bugs that come afterwards such as incompatible software which may need to be upgraded or patched, and training in use of the new system. The best advice in these circumstances is patience.

Remember — this upgrade is for the better (though it may not seem like it at first), the Help Centre will continue to provide a high level of assistance, and, a few glitches in the beginning don't mean disaster in the end. Employees can make the roll-out go easier by taking advantage of the training programs that will be provided to ease the burden of using the new technologies and alerting those in charge of implementation to any system problems resulting from the upgrades. Most of all, be patient — the changes will bring DFO into the future!

*Megan Adams  
Communications Branch*

## QUESTIONS?

*Peter Kho of the Computer Help Centre  
has some answers...*

### **What hardware upgrades are taking place — will some of the older computers be replaced?**

Hardware upgrades are the responsibility of the program areas. For example, Ops Branch is actually ordering upgrades for their machines. It is recommended that machines be upgraded to take advan-

*continued next page*

tage of the new features offered by Windows 95.

**What is the anticipated roll-out? More specifically, which branches will be getting the roll-out and when?**

We are hoping that we will have initial roll-out by late March. Most likely it will be Finance & Admin because of the ABACUS project. Other areas will be done with priority given to sites as identified by the program areas.

**Where are pilot programs in place? Have they been successful?**

Pilots are currently in Informatics...we will identify more pilots as the project progress. Program areas

have identified their desire to be pilots, this will be decided when we are ready.

**Will problems like e-mail crashing be less frequent with the new system in place? Can you outline some of the common problems that we may see?**

The email should be more robust and the ability to send attachments properly to all (including CG). Getting used to the new desktop and learning the new e-mail system could cause some anxiety initially.

*Thanks to Peter for answering these questions via the "old" email.*

# Arctic Climate Secrets Unveiled

The task of scientists involved in climate research is going to be a little bit easier in the future following the recent release of a CDROM atlas by the Environmental Research Institute of Michigan (ERIM) and the National Geographic Society. One of DFO's own, Ron Perkins, a physical oceanographer at the Institute of Ocean Sciences is partially responsible for this breakthrough.

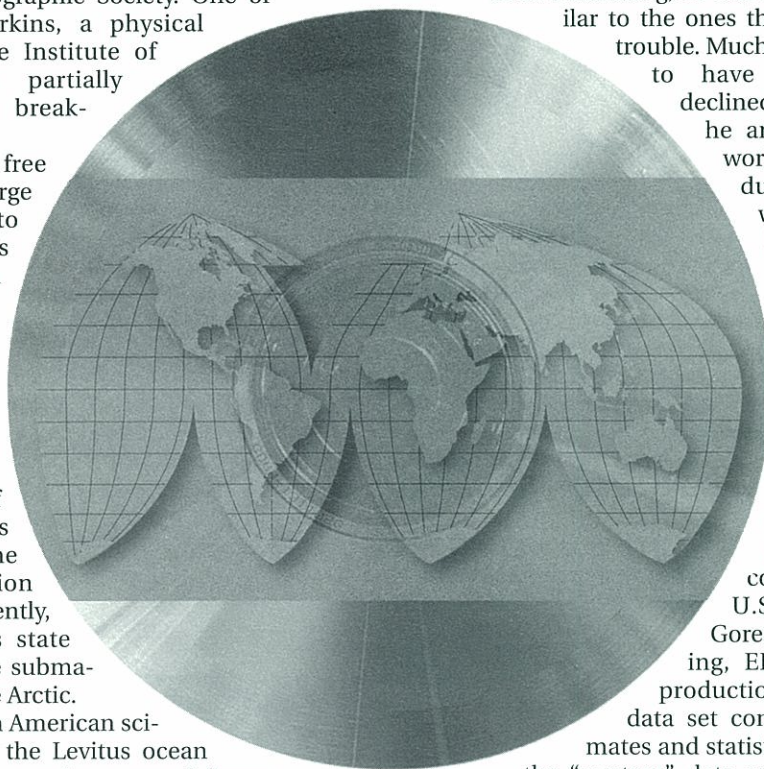
Scientists need free and easy access to large scale data bases to understand the earth's climate. Information from the Arctic is particularly important because that is where climate response to the Greenhouse Effect is expected to be the greatest. Unfortunately, most of the important data sets were collected by the former Soviet Union where, until only recently, they were treated as state secrets because of the submarine missile fleet in the Arctic.

Sydney Levitus, an American scientist responsible for the Levitus ocean data set, managed to acquire a set of floppy disks containing the Soviet arctic archive while in Russia. However, it was removed from him by Soviet authorities. He left the Soviet Union, and was subsequently charged, tried as a spy and found guilty in absentia. His conviction was later reversed, but the sensitivity of this data was clearly pointed out.

In the meantime, as part of the Arctic Climate System Study (ACSYS), Ron Perkin had started to assemble an archive of physical data concerning the Arctic Ocean at IOS, minus the Soviet data. While at a meeting in St. Petersburg, he was offered some disks similar to the ones that got Dr. Levitus into

trouble. Much as he would have liked to have the material, Ron declined. Once back at home, he and Russian colleagues worked out a plan to produce a data set which would not compromise Russia's national security and transfer the data to Canada via the Internet. It worked.

When Ron was transferred to other projects that did not involve Arctic research, his initial cut at the data base was transferred to ERIM. Using high level contacts, which included U.S. Vice President Al Gore, and substantial funding, ERIM arranged for the production of a more detailed data set complete with error estimates and statistical analyses. Although the "western" data sets are freely available, much of the original Russian data remains under security restrictions. Nevertheless, the resulting CDROM Atlas of the physical/chemical state of the Arctic Ocean is a valuable asset to researchers around the world. It can be viewed at <http://ns.noaa.gov/atlas/>



# Automated Updating for Continuous Marine Broadcast Service



Monica Schaumann – voice of the west coast.

The Coast Guard has implemented an automated text-to-voice updating process for the Continuous Marine Broadcast (CMB) service.

Coast Guard began investigating automated systems last fall as a way of minimizing the workload necessary to keep service operating. Updating the CMB was time consuming process. It often took five to ten minutes per hour for staff to record updated Automated Weather Reports and Ocean Buoy Reports at each Marine Communications and Traffic Services (MCTS) Centre. These reports are time sensitive; and if the operators were busy, the data did not get to the mariner in a timely manner.

Staff looked at the system used by Environment Canada which proved to be a little too complex and at a cost of over \$50K, rather pricey. But they did get some good ideas.

The next step was to look at what was available commercially. Following discussions with several companies, it was determined that the quality of their products and the associated high developmental costs precluded the use of currently available commercial products. We wanted a program that was easy to use, easy to modify, and one that sounded like a real person.

Enter Gerald Rohatensky, a programmer in Engineering Services Branch. Gerald was certain he could write a program that would satisfy our needs for a fraction of the cost of a commercial system. A Dialogic voice card was ordered at a cost of around \$2K, the pro-

gram written, and around the end of May, ready for testing.

The voice used for the initial test belonged to Monica Schaumann, currently a Regional Training Instructor. Her tone and pitch turned out to be excellent, so good in fact that Monica is now the voice of the MCTS on the West Coast!

Basically the system works like this: the Anikom program (also written by Gerald) advises MCTS when a new report has arrived from the satellite, which is then imported into the weather database. Another computer converts the text file into a digital file, then dials up the Continuous Marine Broadcast unit which records the new information. For the operator this procedure is a matter of a few key strokes and a couple of seconds.

There are no plans to automate the Marine Forecast due to the large database required (at least 50,000 words) and the difficulty in making it sound realistic.

The system first aired on June 27th '96 at the Vancouver MCTS Centre located at Kapilano 100 in West Vancouver. Following on-air testing and minor modifications completed in December, the system was installed at all MCTS Centres.

Anyone wishing to listen may do so by tuning to the local weather channel on their VHF radio, or by phoning 666-3655 (Vancouver), 474-7998 (Victoria), 339-0748 (Comox), 974-5305 (Alert Bay), or 624-9009 (Prince Rupert).

# Recognition

## Joanne Day – “Woman On The Move”

An article on “Women on the Move” awards which appeared in the December 1st, 1996 edition of *The Toronto Sun*, lists a number of remarkable women who have achieved everything from vice-presidency of Scotiabank to gold medals in the last Olympics. Amongst the award winners is a name familiar to many DFO personnel in Pacific Region — Joanne Day. Joanne, who works in Habitat and Enhancement Branch’s Community Involvement Division, received *Modern Woman Magazine’s* Community Spirit Award in recognition of her many contributions to her community.

At work, Joanne helps volunteers become active DFO’s Streamkeepers Program and other habitat conservation initiatives. In her “other” life, she sits on the board of her co-operative housing unit, and



DFO’s “Woman on the Move”  
Joanne Day

has been instrumental in setting up a recycling program in her neighborhood. She also coordinates a RCMP Blockwatch program for her community and is a member of the Community Policing Advisory Council.

Joanne was nominated for the award by her partner Bart Healey, who credits her “boundless energy and spirit” for her tireless work.

The *Toronto Sun* receives hundreds of nominations of incredible women for the Women on the Move Award each year. Only ten special women are chosen and we in Pacific Region are lucky to have one such individual in our midst.

Congratulations Joanne!

N.B. Look for Joanne’s picture in the April issue of *Modern Woman Magazine*.

## Coast Guard’s Alex Kokanovic Receives Exemplary Service Award

On a bright February morning, approximately fifty people crowded in the lounge of the Sir Wilfrid Laurier to witness Coast Guard employee Alex Kokanovic receive an exemplary service award from Coast Guard Director, Rick Bryant.

As he pinned the award medal to Kokanovic’s suit jacket, he told the audience that it was an honour to give the presentation which commemorates more than twenty years of service by an employee. In fact, Kokanovic has been with the Coast Guard for thirty-five years, obviously making many long-standing friends and acquaintances in the process.

In his acceptance speech, he said, “For a guy that came out with a cardboard box (that’s me, when I first came here), this is truly an honour. This work has always been a lot of fun for me”.



Alex Kokanovic receiving his award from Regional Director Coast Guard Rick Bryant.

It was apparent at the presentation that Kokanovic is known locally as a very colourful character, as many of his colleagues told stories about their work in the past with him. He is well-regarded as both an exemplary worker as well as a joker with a quick laugh for whatever he finds amusing. When questioned about retirement in the future, he answered, “it’s been a good run, and it’s not over yet—I have a bit more mileage in me still.”

Congratulations Alex! We’re sure your co-workers are looking forward to

many more years of working with you!

*Megan Adams*  
Communications Branch

# or DFO Staff

## Award-Winning Tour Guide

When Michael Buhlers, a CCG employee, offered his assistance to some visiting tourists, he didn't even stop to think he might receive an award for what he considered, "just a nice day".

Michael met Mr. and Mrs. Joe Clark from Hamilton, Ontario on a train trip from Toronto to Vancouver, inviting them to visit Victoria during their stay in Vancouver. They took him up on his offer and Michael escorted them through a sight-seeing tour in the Victoria area. He first picked the couple up at the ferry terminal, took them to the salmon run at Goldstream Park, lunch at the Prairie Inn, tours of the parliament buildings, Royal B.C. Museum and the Empress Hotel. They finished the day with a quick trip to the Gorge waterway before Michael dropped the couple off at the ferry. As Tourism Victoria Rep Melissa Pickavance said, "he not only drove them several miles, but several extra miles".

For his time and energy, the Clarks nominated Michael for the Victoria Hospitality Award, a monthly



Michael Buhlers with Tourism Victoria representatives.

some of the city's finest eateries and a basket of spring flowers well known in the Victoria area. Michael was more than surprised for the award (he didn't know about it until the ceremony took place) and said very little except to extend his thanks to the organizations who put the award together.

Congratulations Michael from all of the staff at Fisheries and Oceans and the Canadian Coast Guard!

*Megan Adam*

honour that is decided by a committee of representatives from various tourism-related associations. For the presentation ceremony, eleven different reps came on board the Sir Wilfrid Laurier (a CCG ship) to give Michael his prizes. From organizations as diverse as Tourism B.C., the BC & Yukon Hotel Association and WHERE Victoria magazine, he received a variety of gifts including a framed piece of native art, gift certificates for breakfast, lunch and dinner at

## Carol Roy – Certified Professional Secretary

A desire to further her career on a professional level and a healthy dose of self-discipline has paid off for Carol Roy, Administrative Assistant to Dr. Mike Henderson and the Stock Assessment Division at the Pacific Biological Station.

Carol attained certification as a Certified Professional Secretary (C.P.S.) in May, 1996 after completing a program of self-modified study promoted through Professional Secretaries International. This involved successful completion of a number of correspondence courses in the following categories: Finance and Business Law; Office Systems and Administration and Management.

Carol was recently part of the Distinguished Speaker Faculty at the



Carol Roy – Certified Professional Secretary

3rd Annual Forum for Executive and Administrative Assistants held in Vancouver March 24th and 25th. The international workshop was sponsored by the Institute for International Research, an organization with a long history of providing quality information to Executive and Administrative Assistants around the world.

*Congratulations Carol.*

# SMALL VESSEL PARTNERSHIP

**R**ecreational boating is growing in Canada, and as the numbers of boaters and boats on Canada's lakes and coastal waters have increased so have concerns about boating safety.

Statistics show that more than 50 per cent of Search and Rescue (SAR) incidents involve recreational vessels. Many of those boats are not required to be licensed under the current vessel identification system for recreational vessels. This situation is one area being addressed by Coast Guard in consultation with representatives of the recreational boating community across Canada through the Small Vessel Partnerships program.

"The objective of the Small Vessel Partnerships Initiative is to improve boating safety in Canada through the combined efforts of governments, boating organizations and boaters themselves," says Captain Brian Tuomi, Pacific Region's representative on the Small Vessel Partnership team. "Boating safety is a shared responsibility."

That shared responsibility involves decreasing the number of incidents involving recreational boaters, reducing the risks of injury and loss of life.

Individual Small Vessel Partnership initiatives include small vessel licensing, operator proficiency, enforcement and community volunteer support.

## Small Vessel Licensing

"The current vessel licensing system is virtually useless and doesn't meet anybody's needs," says Captain Tuomi. Coast Guard, police and SAR agencies now spend countless hours walking docks and searching marinas for boaters reported overdue who may in fact be in no danger. An improved vessel licensing system would make more comprehensive information on boats and their owners accessible to police and SAR authorities in such cases. In the case of an emergency, the use of a vessel identification number would allow quick access to the name and address of the owner, the type of vessel and its capability, or a contact emergency name and telephone number. In the case of boating safety regulation violations, a revised system would help enforcement officers track down the offender.

Discussions on a revised vessel licensing system are currently underway with the newly-created Recreational Boating Advisory Council (RBAC). The national council and its provincial counterparts represent most components of the recreational boating community. Their role

is to assist the Commissioner of the Coast Guard in addressing the needs and interests of the recreational boating community in Canada. Coast Guard is working with these groups to identify the key issues surrounding vessel identification.

One such issue is the type of vessel that should be included in a new identification system. Currently, no identification is required for kayaks, canoes and other non-powered boats. Yet these type of boats account for approximately 30 per cent of boating fatalities and SAR incidents.

Another consideration is the cost of a more comprehensive vessel identification system. The new system will have to pay for itself. Licence fees will pay for the administrative costs of the improved system, and perhaps a portion of current Coast Guard services provided to recreational boaters and specific service improvements requested by the boating community. The cost of Coast Guard services currently provided to the recreational boating community in Canada is \$111 million.

The updated system could introduce a licence fee which could vary according to the individual needs and services for each province, such as increased enforcement and updated boating safety programs. The details of cost and implementation of a boat identification fee have not yet been determined.

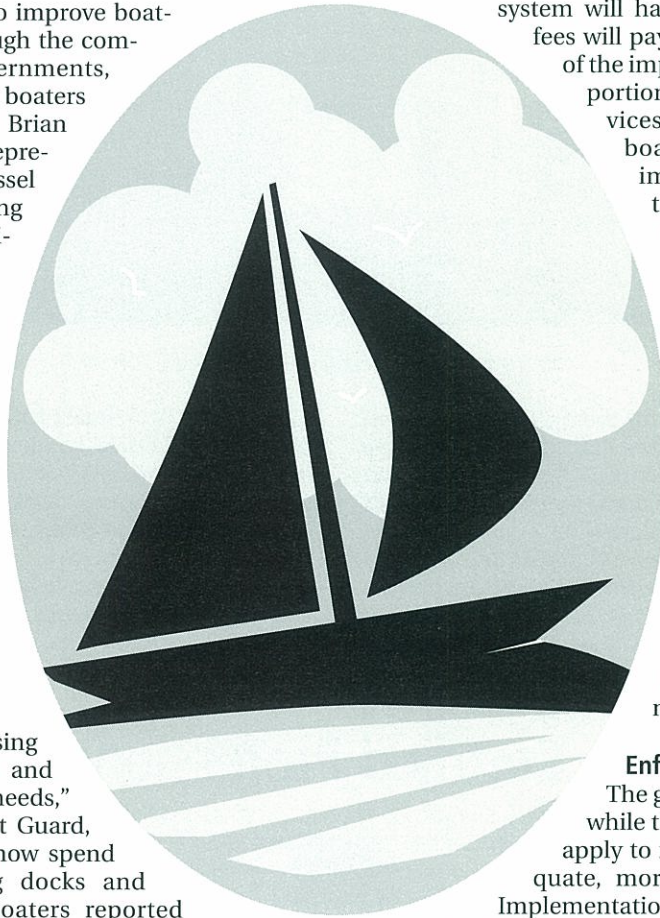
## Enforcement

The general public opinion is that, while the existing regulations which apply to recreational boating are adequate, more enforcement is required.

Implementation of the Contraventions Act by the provinces together with the new vessel licensing system will make it easier to identify and ticket offenders. Small Vessel Partnerships initiatives will improve the enforcement of existing regulations by increasing the coordination and cooperation among enforcement agencies.

## Operator Proficiency

Currently, anyone, regardless of age, can drive a boat, powered or otherwise which is a serious problem. There is consensus amongst the boating community that boater training and education would improve small vessel operator proficiency. Coast Guard is working with the boating community to determine minimum boating safety standards and course requirements which will increase awareness of safe boating practices.



### Community Volunteer Involvement

Another Small Vessel Partnerships initiative is focused on greater volunteer participation in delivering safe boating education, training and response to search and rescue incidents. The relationship between Coast Guard and volunteer organizations is currently being defined and formalized by Coast Guard and the National Recreational Boating Advisory Council and the Regional Recreational Boating Advisory Councils. Specific details

of the volunteer initiative have yet to be determined.

Results of extensive public consultation on boating safety issues and services conducted by Coast Guard in 1995 and 1996 are now being reviewed by the National and Regional Boating Advisory Councils. Advice from the councils will be incorporated into a series of recommendations which will be submitted to the Minister.

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## Team Canada Trip a Winner for DFO Science

Regional Director of Science John Davis participated in the Prime Minister's recent Team Canada trip to Korea. He joined approximately 450 representatives of the Canadian business community in the largest foreign delegation ever to visit the Republic of Korea. The Canadian delegation signed a total of 72 agreements and contracts valued at more than \$600 million.

It was a productive trip for DFO. Dr. Davis signed two significant agreements with Pukyong National University in Pusan and advanced collaborative arrangements on a number of fronts.

Pukyong National University is one of Korea's largest universities. While in Pusan, Dr. Davis signed agreements formalizing a Memorandum of Understanding for scientific cooperation in fisheries, aquaculture and oceanography between the university and DFO, Pacific Region. The agreement provides for information exchange, workshops, symposia, scientific exchanges and collaborative work in ocean, fisheries and aquaculture (genetics and biotechnology in particular) science.



"I think we will see a lot of future scientific collaboration between DFO scientists and Korean scientists and graduate students as a result of these agreements" says John Davis. "They will provide funding opportunities for joint work in a number of areas, including aquaculture and genetics programs which are of interest to us."

While in Korea, Dr. Davis also signed a letter of intent with the university on behalf of DFO which will see the Pukyong National University become a partner in the Pacific Institute of Aquatic Biosciences (PIAB), which will be taking over responsibility for operation of the West Vancouver Lab sometime in 1997. The agreement includes a contribution of \$100,000 a year for cooperative research in genetics, biotechnology and nutrition studies as well as a contribution to overhead costs for operation of the lab. Pukyong University President Han will come to Canada in May to finalize arrangements and discuss further joint collaborative research.

### ON THE MOVE – TERRACE FIELD OFFICE

The Terrace Field Unit has moved, so get out your pens and get ready to change the address in your phone books! Their new address is:

5235 (A) Keith Avenue,  
Terrace, B.C.  
V8G 1L2  
Main Phone# (250) 615-5350  
Fax # (250) 615-5364

Your contributions are welcome. Please send story ideas, photos and letters to the editor.

Tel: (604)756-7049 • Fax: (604) 666-1847

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Editor: Kelly Francis

Design: Graphiset Type & Design

# Acceptable

# Use of the Internet



*The following note from Mark Gingerich, Chief of Informatics on acceptable use of the Internet should be of interest to everyone.*

Now that Internet access is widely available and employees have become comfortable with this service, I thought it time to remind all employees of their responsibility with respect to Internet access and the use of networks and network facilities in general.

The following excerpt from the first version working draft

Government of Canada, Internet Guide outlines an Acceptable Use Policy drafted in May of 1996:

The Internet is to be accessed for official government business only, and in a manner that is consistent with management directives and guidelines and conforms to any acceptable use policies that may be promulgated.

## Acceptable Use Policy

### The DFO Network Exists as a Private Facility to:

- 1) Further the conduct of the affairs of the Department of Fisheries and Oceans of the Canadian Federal Government
- 2) Offer public access to specifically defined services and information of the Department of Fisheries and Oceans of the Canadian Federal Government. Therefore, usage of the DFO network and facilities by government organizations and employees, or other authorized organizations or persons working on behalf of the government, is restricted to activities that legitimately further the conduct of the affairs of the Department of Fisheries and Oceans of the Canadian Federal Government.
- 3) Use of the DFO network and facilities by the public is restricted to access to those facilities, services and information specifically designated for public use.
- 4) No person or organization shall use the DFO network and facilities for private profit, or for any use other than that intended by the department without first disclosing all details of their proposed activity and obtaining written permission from the Department.
- 5) No person or organization shall use the DFO network and facilities for any illegal purpose, including but not limited to the dissemination of pornographic or hate literature material, the unauthorized publication of government information, the acquisition of unauthorized access to any kind of service or computing facility, or the denial of service to other users by deliberate misuse or abuse of common facilities.
- 6) No person or organization shall use the DFO network and facilities for the purposes of personal recreation or to further personal interests such as religious beliefs, personal political viewpoints, hobbies, or similar issues.
- 7) Organizational groups subscribing to the network are responsible for the actions of their employees and authorized agents who use the network.
- 8) Failure to comply with the terms of the Acceptable Use Policy will result in action ranging from denial of access to the network to prosecution according to law."

If you have any questions regarding the use of the DFO network, network facilities, Internet/Intranet/Extranet or have any knowledge regarding their misuse, please contact your Branch Informatics Coordinator or me at (604-666-2026).

*M. Gingerich*

# I N M E M O R I A M

*Dr. Leo Margolis, O.C., FR.S.C  
1927 – 1997*

Dr. Leo Margolis, Senior Scientist at the Pacific Biological Station and an internationally acclaimed presence in the scientific community, died unexpectedly January 13, 1997, several days after suffering a massive heart attack while walking home from work. He was scheduled to retire January 10th.

His career at PBS spanned 45 years. After receiving his Ph.D. from McGill University in 1952 at age 25, he arrived in Nanaimo where he began the research for which he is perhaps best known, the use of parasites as biological tags. He developed a method of distinguishing between North American and Asian sockeye salmon stocks, which contributed to the development of international agreements regulating the interceptions of these stocks in North Pacific high seas fisheries.

Leo Margolis was Canada's foremost fisheries parasitologist and the recipient of numerous prestigious awards. He was elected Fellow of the Royal Society of Canada in 1970, appointed an Officer of the Order of Canada in 1990, awarded the Gold Medal of the Professional Institute of the Public Service of Canada for his outstanding contributions to pure and applied science in 1995 and the American Society of Parasitologists Distinguished Service Award. In 1996, he was awarded an honorary Doctor of Science from St. Mary's University in Halifax.

Some of his most important contributions to Canada came from his work in international fisheries and trade negotiations. He worked closely with the International North Pacific Fisheries Commission (INPFC) for more than 30 years and was the senior Canadian Advisor to INPFC's replacement the North Pacific Anadromous Fisheries Commission at the time of



his death.

He played a key role in the development an implementation of the United Nations resolutions that eventually led to the moratorium on high seas driftnet fishing. He was asked to stay on with DFO past normal retirement age to represent Canada in important negotiations to open non-tariff barriers on the importation of Canadian salmon to Australia and New Zealand after Australia closed its markets to Canadian smoked and frozen salmon. His involvement led, in part, to a recent decision by New Zealand to relax these import restrictions.

Leo was an unassuming, kind and gentle person, an exacting scientist who demanded first class science both from himself and from those around him. This included the many graduate students and budding scientists for whom he was a mentor over the years in his capacity as Adjunct Professor at Simon Fraser University.

His influence was felt in areas outside the world of fisheries science as well. A member of the varsity hockey squad while at McGill, he started coaching minor hockey when he came to Nanaimo. During his three year tenure as president of the B.C. Amateur Hockey Association in the mid sixties, Leo transformed an association in total disarray into a well run organization. He received the Association's Diamond Stick Award in 1989 for his services to amateur hockey in B.C. In 1990, the Canadian Amateur Hockey Association presented him with the Order of Merit Award.

Leo is survived by his wife Ruth and his children, Rhonda, Robert, Murray and Conrad, and grandchildren, Zachary, Leah, Taro and Hannah.

## THE LEO MARGOLIS SCHOLARSHIP

This scholarship has been established as a memorial to Dr. Leo Margolis, an internationally pre-eminent parasitologist and a staunch supporter of the Canadian Society of Zoologists since its inception in 1961. The competition for the scholarship is open to any Canadian who is registered in a graduate studies program at a Canadian university at the time the scholarship is taken up and whose research is in the field of fisheries biology.

The stipend of the scholarship may vary from year to year but will represent the interest earned by the Leo Margolis Endowment Fund, registered in the Zoological Education Trust within the Canadian Society of Zoologists. The scholarship may be held for up to two years and preference will be given to applicants whose research will be oriented towards the

Pacific coast fauna.

The Canadian Society of Zoologists will select the successful applicant using the chairperson (or suitable representative) of each of the three Sections within the Society as the selection committee. The awardee will be announced by the Canadian Society of Zoologists at the annual general meeting for that year.

Contributions to the Fund should be sent to the Treasurer of the Canadian Society of Zoologists (Attention: Dr. J. Fenwick), Department of Biology, University of Ottawa, Ottawa, Ontario K1N 6N5 and made payable to the Canadian Society of Zoologists (Leo Margolis Endowment Fund). Donations are considered charitable for Canadian income tax purposes.

# MCTS 1-900 Service

Marine Communications and Traffic Services (MCTS) has opened a 1-900 line to improve service and offset the costs of operating and maintaining the Regional Marine Information Centre (RMIC), located at Kapilano 100 in West Vancouver.

Before switching to the 1-900 system, the MCTS Centre in Vancouver handled approximately 800-1,000 queries about ship movements and berthing information every day via a computerized voice-recorded information system. In addition to these requests, the centre was also receiving more than 100 direct calls requesting specific information each day.

Recorded information on ship movements and berthing information can be obtained by calling 1-900-565-SHIP (7447), at a cost of \$0.95 per call. Personal service is available by dialing 1-900-565-MCTS (6287), at a cost of \$1.50 per call. Money generated by the 1-900 line goes back into Pacific Region's MCTS budget.

A FAXBACK service whereby a caller dials 1-900-565-FACS (3227) to get up to two documents sent to their fax machine for a flat rate of \$1.50 per call will be implemented in the very near future. Callers can choose from

ship movement lists, a summary of active notices to shipping, lists of lights by area, and the latest marine forecast. Lists will be modified and more added depending on user requirements.

According to Andy Nelson, a Program Specialist with

MCTS, general inquiries to MCTS have dropped to about 200 calls per day, and specific requests have declined to a manageable level as well since the 1-900 line was activated. This means that the Information officers now have time to perform their many other duties.

At the moment, the information is updated manually several times a day, a process which takes five to ten minutes. "However, we are planning to change our phone

system to an automated voice recording system which translates printed text into voice recordings, which will offer our customers up-to-the-minute marine information," says Andy.



A Coast Guard MCTS officer, with transit-strip cards visible on his console, sits monitoring and controlling vessel traffic at the Vancouver Harbour console.

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## West Vancouver Lab Update

Last summer, it was announced the responsibility for operation of the West Vancouver Lab would be transferred to the private sector, as part of the Department's budget reduction strategy. The alternative was to shut down this specialized research facility which has water and rearing facilities suitable for growing all life stages of Pacific salmon.

Since that time, Regional Director of Science Dr. John Davis has been busy leading negotiations to restructure the lab into a unique research facility operated under a partnership of government, private sector and university interests. The site will be operated by a non-profit society, the Pacific Institute of Aquatic Biosciences (PIAB), in collaboration with DFO. Operating costs will be covered by the private sector and university partners and through lease and sub-lease arrangements for use of space the site. However, the site will continue to be a federally owned facility under gov-

ernment control.

"The new arrangement is a "win win" situation for DFO," says John Davis. "The Department will be able to continue core programs in fish nutrition and genetic and biotechnology research at the lab led by key research scientists who remain as federal employees." In return for contributing to the operating costs of the site, non-government researchers will have access to a unique marine research laboratory and its facilities and the opportunity to work closely with government scientists remaining on site.

The Pacific Institute of Aquatic Biosciences is expected to assume responsibility for operation of the lab sometime in 1997. In addition to the research programs in support of the aquaculture industry mentioned earlier, it is expected that environmental studies and other biosciences work will be initiated as well.