

ETC'S TALK GREEN

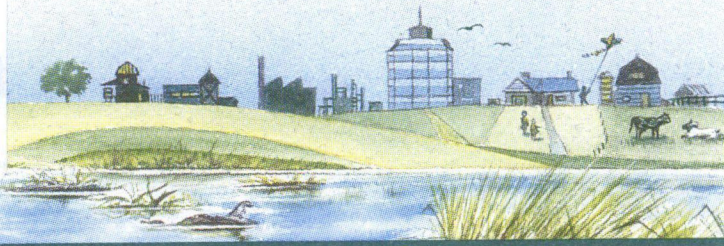
Environment Canada Environnement

Let's talk green

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Quebec Region - EPB

Stolen Eider Duck Eggs Recovered in Montmagny

The value of public cooperation in the fight against poaching was demonstrated again in May, when a tip from a concerned citizen led to the recovery of 150 eider duck eggs from a residence in Montmagny, Québec.

A Montmagny man is being prosecuted through summary conviction for violations of the federal *Migratory Birds Convention Act* and for violations of Québec

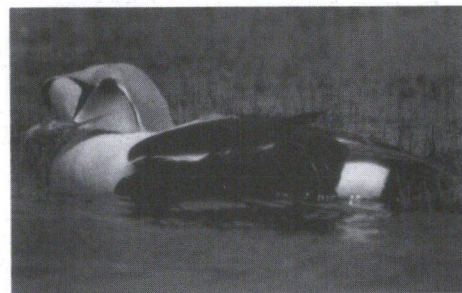
The man had been seen in the area of Bic Islands Park, where Environmental Protection Division investigators had found 30 eider duck nests plundered and emptied of eggs. A tip to the RCMP detachment in Rimouski, Québec, led to an investigation and the joint seizure of the eggs by Environment Canada and the Ministère de l'Environnement et de la faune du Québec. The eggs were being incubated and may have been intended for re-sale to breeders.

Complaints concerning suspicious behaviour towards migrating birds may be made to any local office of the RCMP or the Canadian Wildlife Service.



The common eider duck at rest in the water.

regulations against disturbing wildlife in parks. He is liable to a \$300 fine for each of the three charges filed under federal law.



The king eider duck.

INSIDE...

Hong Kong Chemists Train at ETC	2
Nestle Down in Eider Warmth	2
Going Green from Coast to Coast	3
Don't Hide Your Light!	4
Climate Change Challenge	4
United Way Campaign	5
EnviroFax Line	5
Help for Inventors at TTO	6
The Smile of Success	7
United Way Craft Sale	7
Staff Brings Expertise to Students	8
Biodiversity Convention Office	9
Air Issues Branch	10
Graphics and Design	11
State of Environment Directorate	11
Pulp & Paper Agreement Signed	12
Conference Calendar	12
Recent EPS Publications	13
Coastal Zone Canada '94	13
Job Switch Builds Understanding	14
NETACS Begin Operations	15
Going Places	16

See inset box "Nestle Down in Eider Down" on page 2 for more information.

Beijing/Hong Kong Chemists Train at ETC

For Richard Turle, Chief of the Chemistry Division at the Environmental Technology Centre (ETC), a visit to Shanghai earlier this year was like a throwback to London of the 1950s. Visibility was so poor that even on a sunny day a



Standing outside the Shanghai Academy of Environmental Sciences, from left: Hua Xiu, Director of Department of Analytical Chemistry, Shanghai Academy of Environmental Sciences; Richard Turle, Chief, Chemistry Division, Environmental Technology Centre; Zhang cun Jie, President, Shanghai Academy of Environmental Sciences; and Chung Chiu, Head, Organic Laboratory, Chemistry Division, Environmental Technology Centre.

TV tower two miles away was barely discernable.

"In China, coal-fired heating plants in the cities are unregulated, and vehicles have no pollution controls. The air pollution problem is the worst I have experienced," Turle notes.

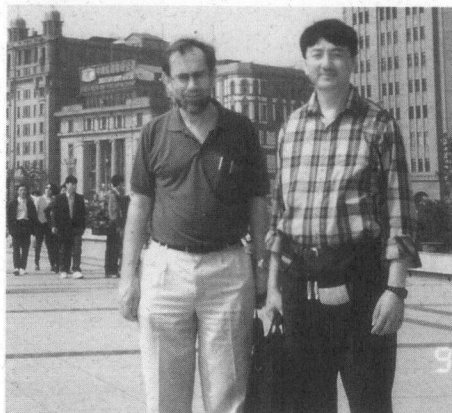
He and Chung Chiu, Head of ETC's Organic Laboratory, were in Beijing and Shanghai to deliver lectures on environmental chemistry and to discuss how Canada's expertise could help China improve the quality of its environmental analyses. In Hong

Kong, they were joined by Danny Wang, also of ETC.

The visits by the Environment Canada chemists were the outcome of exchange agreements signed last fall between ETC, the Hong Kong Productivity Council, and Academia Sinica—Institute of Eco-Environmental Sciences, Beijing.

Chinese and Hong Kong scientists came to be trained in the analysis of dioxins, PAHs and volatile organic compounds in air and other substances.

This spring, Lingjan Li from Beijing spent three months at ETC, analyzing samples from China for dioxins. This work will be described in a paper to be presented at Dioxin '94 in Kyoto, Japan in November. Thomas Lee and Maria Pang from Hong Kong spent a week at ETC learning about PCBs, PAHs and VOC analysis.



On the Bund in Shanghai, from left: Richard Turle and Chung Chiu.

Turle says he and his staff hope to maintain links with the institutes they visited and to assist them in future work. But the training that they have imparted will just scratch the surface. "The

Chinese scientists are going back to make a case for more money to buy analytical equipment. Of course, it's a matter of priorities," Turle reflects.

For more information on the exchange agreement, contact Richard Turle at 990-8559 or Chung Chiu at 990-8560, fax: (613) 990-8568.

Nestle Down in Eider Warmth

Most Canadians know why eider down is valued for use in quilts, outdoor winter clothing and pillows. Its insulating qualities have kept many of us warm and happy through many chilly winter days and nights. But did you know that eider duck down is environmentally friendly, too?

Unlike other down, eider down can be collected without harming or taking a duck's life. The common eider duck is unique because it lines its nest with its own feathers. Though some of the down is plucked purposely by the female from her own breast feathers, most of the down is shed during nesting. The more the nest is used, the more down it collects - it's a way of recycling what nature already provides.

Some countries, such as Iceland, have eider down industries. A kilogram of down, for instance, yields several hundred dollars' worth or more.



Going Green from Coast to Coast



The Federal Environmental Stewardship Challenge (FESC) 1994 took place during Environment Week from June 6-10 1994. It was a week full of fun activities aimed at promoting environmental stewardship practices among federal departments and with the broader community.

FESC '94 consisted of a competition among 120 interested federal department sites from coast to coast in three categories:

1) Waste-Busting 2) Green Go-Getting, and 3) Waking Up the Neighbours. Each of these events were aimed at encouraging federal employees to test new environmentally friendly practices, in the hope that they will continue these practices.

FESC '94 builds on the previous success of two Environment Canada initiatives, *No Waste Week* 1992 and the National No Waste Challenge 1993. In 1992, staff from Environment Canada's operations in Edmonton participated in *No Waste Week*. It involved activities to educate staff and school children on the importance of proper waste

management. *No Waste Week* involved the conducting of a "phantom waste audit" and the implementing of recycling bins and a worm composter. These initiatives proved to be effective means for accomplishing the results as waste going to landfill was reduced by 32 per cent.

In 1993, a National *No Waste Challenge* was put to all Environment Canada employees across Canada. In total, 20 Environment Canada offices registered and planned their own *No Waste* activities. The overall winner of the Challenge was the Toxic Chemicals and Waste Management Team from the Atlantic region, who were successful in achieving an 86 per cent reduction in waste.

These positive, significant results encouraged the *No Waste Challenge* organizers to expand the concept to include all interested federal departments. A FESC '94 Info Kit was developed by Environment Canada's Environmental Protection Regional Office in Edmonton, in cooperation with the Federal Office of Environmental Stewardship in Ottawa, to help offices with the planning and delivery of FESC '94 events and activities.

The response was great, with over 120 Federal offices receiving FESC '94 info kits. FESC '94 participation included offices from most provinces and territories (British Columbia, Alberta, Saskatchewan, Manitoba, Northwest Territories, Ontario, Québec and Nova Scotia) and included an incredible variety of federal offices, from the Speaker's office (House of Commons) to a

Canada Coast Guard office in Vancouver, to Cape Breton's Highlands National Park in Nova Scotia.

FESC '94 was truly a National Challenge. Also, there was a lot of interest expressed by the provinces and the private sector in this initiative, which provides the opportunity for more partnerships/involvement in a FESC-type initiative next year. The continuation and expansion of this challenge will go a long way towards educating and encouraging actions that benefit the environment.

A big round of applause goes out to all the offices who participated in FESC '94 and were successful in initiating Environment Week activities. Check the next issue of *Let's Talk Green* for complete contest results, photos, and details on the national winners in each of the three FESC '94 categories as well as the Grand Prize winner. Great job everyone, and keep up the Green work!

**Chris Menard and
Cheryl Hennings**
Edmonton
(403) 951-8753

ECS CONTRIBUTES

This issue of *Let's Talk Green* features several articles from the Environmental Conservation Service for the first time. We're pleased to include them and look forward to a continuing collaboration.



Headquarters - EPS

Don't Hide Your Light!

We do a lot of good work at Environment Canada, and more people are getting to know about it through a unique media relations effort.

Enviro Tipsheet has been shining the public light on that good work for three years. Targeted at the media, over 70 issues of *Enviro Tipsheet* have been published and distributed so far, with more than 200 stories captured by both print and electronic journalism. All have been positive for Environment Canada.

Enviro Tipsheet has generated stories on many local radio and TV stations, in some local and national newspapers. Stories have been carried across Canada on CBC Radio's "Quirks and Quarks" and "As It Happens;" on Radio Canada's La Semaine verte; by the Canadian Press; in Southam and Thompson newspapers; and on the national television networks.

Published twice a month, a typical *Enviro Tipsheet* features five items, each about 100 words long. The items are intentionally short. We want to pique reporters' interest and give them just enough information so that they request more, and then write a newspaper story or prepare a broadcast feature.

In fact, reporters have told us they like the format and appreciate the program contacts and phone numbers right on the sheet. It is distributed to most media outlets across the country, Members of Parliament and Senators, and other government officials.

Enviro Tipsheet is produced by Environmental Protection Service Communications, with funding support from the Communications

offices of the Atmospheric Environment Service and the Environmental Conservation Service.

It's easy to participate; we do all the work. Call us with ideas about programs, successes, developments, on-going research—just about anything except announcements. It doesn't have to be new, just

interesting. If you want to see the kind of items we use, ask your Director or communications office for a copy of *Enviro Tipsheet*.

Paul Hempel
Communications
(819) 953-6603
(819) 953-8125 (fax)

Headquarters EPS

Climate Change Challenge: A National Action Program

Members of the Climate Change Team (Air Issues Branch, EPS) are collaborating with stakeholders across the country to prepare a domestic action program on climate change.

The action plan arises from Canada's ratification of the international Framework Convention on Climate Change, in which nations agree to develop and report on actions needed to stabilize greenhouse gas emissions at 1990 levels by the year 2000, with options for reductions beyond 2000. Our National Action Program will identify measures we will take to achieve this goal.

In November 1993, the federal/provincial environment and energy ministers directed work on a plan to begin, and a national (federal-provincial-stakeholder) Climate Change Task Group formed to draft the Action Program. Environment Canada staff are

working with Natural Resources Canada and other federal government departments, provincial government representatives, industry and environmental groups.

"The work of the Task Group to date has been very encouraging, and the multi-stakeholder format helps to build the national consensus we will need to make progress on the climate change issue," says Rick Findlay, Climate Change Manager for the Air Issues Branch.

Over the coming months, the process calls for consulting with key stakeholders and the interested public. The goal is to table the Program internationally in March 1995.

Prepared by
Jackie Holden
EPS Communications
953-6605





Headquarters

United Way Campaign: Greener Than Ever

Greener standards are not just the purview of our workplace and homes. Since caring for the community and for our environment go hand in hand, this year's Joint Campaign for United Way and Healthpartners will be "leaner and greener" than ever before.

Visions from past campaigns of mountains of paper coming across your desk are probably dancing in your head. Fear not, a Greening Committee was struck at the beginning of the year to help change all of that. The committee has broad representation from the department at headquarters. It was organized by George Cornwall, Executive Director of the Federal Service Division, managing the campaign in the National Capital Region, and by Conrad Bastien, campaign leader for Environment Canada's 1994 headquarters campaign.

The Greening Committee will look at all aspects of the campaign, from promotion to event planning, and seek ways of making it "greener." Ideas already considered include "paperless" communication and lean-and-green promotion, for example:

- wherever possible, choosing "paperless" means of communicating campaign information, such as electronic mail or public address systems.
- when printed materials are essential, taking steps to minimize paper. For example, a campaign guide must be presented to the 94 departments, Crown corporations, boards and agencies that constitute the

Federal Service Division and undertake individual campaigns in the workplace. This year, only one copy of the guide will be given to each department.

Departments will also receive a diskette, copied on recycled diskettes compliments of Digital Equipment, so they can print just those sections of the guide they need. Last year's information kit folder, distributed to 10,000 canvassers, will be replaced by a reusable cotton bag. Finally, campaign posters will be printed on recycled paper stock carrying the Environmental Choice symbol.

In future, *Let's Talk Green* articles, campaign coordinators and members of the Greening Committee will explore some of these greener ways. However, we are all in this together, so please don't hold back your own nifty ideas.

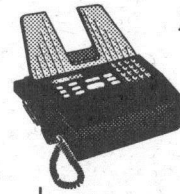
United Way campaigns conducted in the regions may have already devised ways to be more environmentally friendly. Please call me and let's talk "green" campaign. I will share your ideas and comments with George Cornwall and Conrad Bastien. Remember, ideas can be recycled too—for the benefit of all.

Margit Doneit

Departmental Communications

Coordinator

(819) 953-6604



Headquarters - EPS

The EnviroFax Line - Technical Info As Close As Your Fax Machine

A new fax retrieval system now provides users with instant copies of short technical documents from the Environmental Protection Services.

Created by the Technology Transfer Office of the Technology Development Directorate, the EnviroFax Line Database includes Fact Sheets, CCME Documents and recent issues of the Spill Technology Newsletter and the Bioqual Newsletter. The system also provides a catalogue of documents available from the EnviroFax Line, as well as a catalogue of all EPS publications. Catalogue listings are updated monthly.

The EnviroFax Line operates in both official languages, 24-hours a day, seven days a week, for only the cost of the call. To use the service, dial (819) 953-0966 and follow the instructions.

For further information, please contact Tammy McNulty or Micheline Patenaude, Technology Outreach Section, Technology Development Directorate, (819) 953-5750 or (819) 953-5921.

ENVIRONMENTAL PROTECTION SERVICE 1994 COLOUR CALENDAR

Featuring the winning photos from our *Let's Talk Green* photo competition, the last of the Environmental Protection Service 1994 Colour Calendars are now free for the asking.

Call or Write

Janet Fewster, *Let's Talk Green*
351 St. Joseph Blvd., 5th Floor
Place Vincent Massey
Ottawa (Hull) Ontario K1A 0H3



Help for Inventors at TTO

Are you the inventor of a new analytical technique, computer software or equipment related to your work? Wondering how you will navigate the sea of paperwork to protect your invention or to bring it from lab to the marketplace?

The Technology Transfer and Commercialization Division in the Technology Transfer Office (TTO) can help you. Its advisors offer a broad range of commercialization services to innovators of new environmental technologies in both the Environmental Protection Service and the Environmental Conservation Service.

First, TTO advisors will help to analyze the pros and cons of legally protecting an invention from unauthorized copying in the marketplace. If an inventor decides to obtain intellectual property rights in the form of a patent, trademark or copyright protection, TTO advisors help to deal with the legal documentation and government requirements. The TTO also works with inventors to commercialize their technology, which typically involves establishing a license with a company. ("Technology" may be a widget, software, analytical techniques or "know-how.")

As licensee, a company may use the inventor's technology for a specified purpose for a fee. The Microwave-Assisted Process, now trademarked as MAP™, is an innovative laboratory technique that uses microwaves to improve the performance, speed and environmental friendliness of traditional laboratory methods for removing chemical compounds from complex materials.

MAP™ can be used in a variety of ways, and each distinctive purpose can be licensed separately. It has numerous marketable applications; one licensee will use the technology to build advanced laboratory equipment. Other licensees are being sought for other environmental applications, such as the removal of organic contaminants from soil, and the extraction of chemicals from food and agriculture products.

When potential licensees are found, the TTO works with the inventor to assess the suitability of the applicants' technical,

business and marketing abilities. The office works with the chosen licensee on the contractual licensing agreement, covering details of royalty payments, user rights granted, and ownership of further developments of the technology.

Copies of the information kit, *Opportunities in Environmental Technology*, which describes the business opportunity, technology and possible products, processes and applications of MAP™ and other Environment Canada technologies for licensing, are available from the Technology Transfer Office at (819) 953-5669.

Got a good idea for a story?



Why not call the editor and discuss it? If you want, we'll even write the article and arrange for any photos.



Call Janet Fewster
at (819) 997-2037.

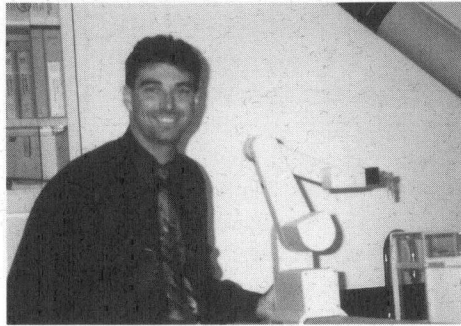


The Smile of Success

Dr. Jocelyn Paré, currently a scientist at the Environmental Technology Centre in Ottawa, is one inventor who took advantage of the TTO's services. Dr. Paré received a substantial financial award for commercialization of his innovative laboratory technique, the Microwave-Assisted Process, now trademarked as MAP™.

This process uses microwaves to remove chemical compounds selectively from complex materials, making it significantly faster and more environmentally friendly than traditional laboratory methods. You may recall reading about it in the Summer '93 issue of *Let's Talk Green*.

When he was working with Agriculture Canada, Dr. Paré contacted the TTO before he and his colleagues reported their findings in scientific journals. Because public disclosure affects the ability to secure a patent, the TTO stressed the need for keeping details of the process confidential until searches of existing patent applications and marketability studies had been conducted. Only after the first

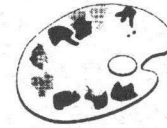


Dr. Jocelyn Paré with MAP™ technology.

patent application had been filed was news of the innovative extraction technique released to the scientific community.

The TTO is now working with Dr. Paré and his colleagues to carry out an international intellectual property protection strategy and to administer its implementation. Today, Dr. Paré enjoys the distinction of having developed an environmentally sound technique, patented and trademarked by Environment Canada in countries throughout the world.

Thanks to Heather Bryan for her invaluable help with this article.



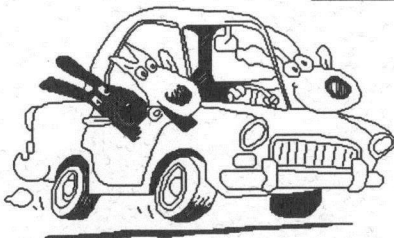
WE WANT YOU FOR THE UNITED WAY CRAFT SALE

Are you crafty? Is your home full of colorful and imaginative creations?

Have you ever wondered whether someone would buy them? Now is your chance to find out and benefit the United Way/ Healthpartners Campaign at the same time.

This year's craft sale—bigger and better than ever—will be set up in both Place Vincent Massey and Les Terrasses de la Chaudière. Tentative dates are November 2 at PVM and November 3 at Les Terrasses.

You can reserve your table now for only \$20.00, which goes to the United Way. Please call Margit Doneit, Communications Coordinator for the United Way, at (819) 953-6604.



On the road... at EPS Atlantic...

The *Let's Talk Green* Photo Contest display is going on the road. Beginning August 22 to September 2, 1994, the twelve winning entries as well as the album featuring all 250 photos entered will be exhibited at Environment Canada's Regional Office in Dartmouth, N.S. (Queen's Square, 45 Alderney Drive).

For further details, please contact Joyce Dagnall at 902-426-2308.

If you would like the display to travel to your Region, please contact the editor.



The Environmental
Protection Service



Let's Talk Green
2nd Annual
Photo Contest

**DEADLINE
EXTENDED
TO
SEPT. 30/94**

So many of you have been on holiday that we've extended our 1994 Photo Contest deadline to September 30, 1994, so everyone has a chance to enter. Whether it's your favourite shot from a summer holiday, one of the kids, or a study in autumn scarlet, our panel of professional photographers will be happy to see it. Please remember to enlarge your prints to 5" x 7".

**Open to Environment Canada employees and their families.
Kid's division open only to photographers aged 12 and under.**

Back: Bill Blakeman,
Adam Fritz,
Geff Ross,
Trevor Ruthman
Front: John McLatchy,
Lynn Landry,
Manfred Klein
Absent: Professor Karman

Headquarters - EPS

Staff Brings Expertise to Students

Applying the principles of sustainable development to protect the environment will require that today's students have the appropriate technical training. Toward this end, an Environmental Engineering program was recently established in the Civil Engineering Department at Carleton University in Ottawa.

It began in 1993, when staff of the Industrial Sectors Branch (ISB) and Professor Deniz Karman of the newly renamed Department of Civil and Environmental Engineering discussed how the two organizations might cooperate. This led to ISB staff serving as guest lecturers during the winter and spring of 1994 for Professor Karman's first course on Process Analysis for Environmental Engineering. The lecturers and their topics were:

- NO_x Controls and Cogeneration:
Manfred Klein

- Flue Gas Desulphurization in Power Plants: Geoff Ross
- Emissions and Wastes from Smelters: John McLatchy
- Mining Wastes: Bill Blakeman
- Emissions from Pulp Mills:
Trevor Ruthman

Students Lynn Landry and Adam Fritz from the second-year engineering class have since joined the branch for a summer work term to help in assessments of power plant air toxics and refinery effluents.

ISB staff are proposing to continue the technical collaboration with Carleton's engineering program on various environmental topics. Those who wish to participate should contact Professor Karman at 788-2600 (ext. 8914).

Manfred Klein
Industrial Sectors Branch
Oil, Gas and Energy Division
(613) 953-6630



Headquarters - ECS

Biodiversity Convention Office

The Biodiversity Convention Office (BCO) was established in Environment Canada in September 1991 to coordinate Canada's involvement in the negotiations of the United Nations Convention on Biological Diversity. Now that Canada has signed and ratified the Convention, BCO's role is to coordinate the development of Canada's response to the Convention.

The BCO is at the heart of the Environmental Service's Biodiversity Directorate, headed by recently appointed Director General Avrim Lazar. It is managed by Director John Herity, who played a key role during negotiation of the Convention, and has a small professional staff, augmented by secondments from Agriculture and Agri-Food Canada, Parks Canada and the provinces (supported by the Canadian Council of Ministers of the Environment).

The BCO's primary role is to facilitate a national process to define Canada's response to the Convention. Operating through an interjurisdictional partnership that is led by a federal-provincial-territorial working group, the office is working to achieve consensus on the building blocks of a Canadian Biodiversity Strategy.

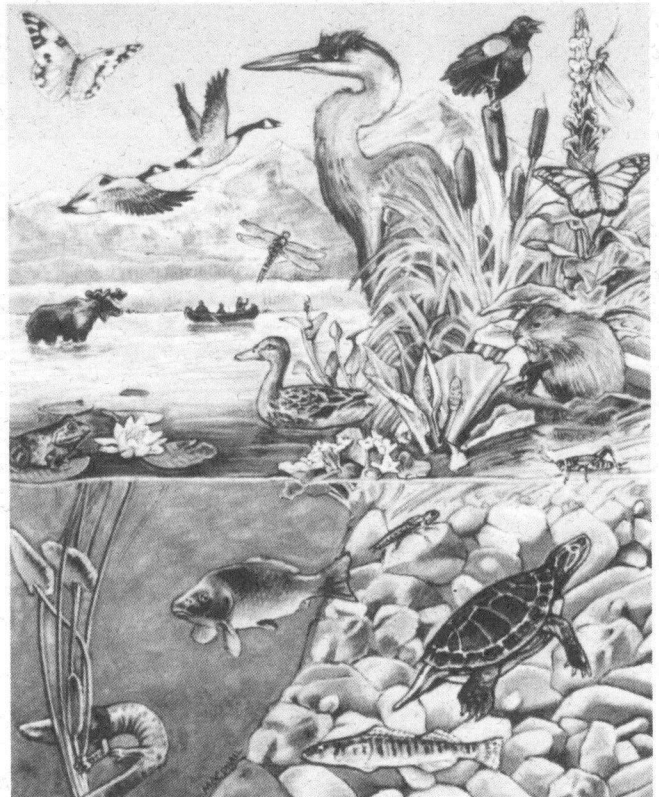
The working group has received ongoing advice from non-government interests through the Biodiversity Convention Advisory Group (BCAG), which includes representatives from environment, parks wildlife, agriculture, forestry, fisheries, business, labour, industry and academic groups, and through expert focus groups convened to

deal with a variety of key issues. The office has also been developing opportunities for indigenous communities to develop their own interpretation of and response to the Convention.

The BCO has three primary responsibilities:

Domestic Follow-up: The focus of activity from November 1992 to November 1994 is to manage an interjurisdictional partnership aimed at achieving consensus among all governments on a Canadian Biodiversity Strategy which will encompass the full range of Convention obligations set out strategies for an effective Canadian response.

International activities: Canada continues to participate in international efforts to ensure the Convention's implementation. Canada has been instrumental in revising guidelines for national biodiversity assessments, participates in expert forums on key policy issues and interim activity, formulates proposals for financial arrangements under the Global Environmental Facility and assists developing countries to develop their capacity to conserve



biodiversity and use biological resources in a sustainable way.

Education/awareness: The BCO is developing a documentation centre and video library, an information kit, fact sheets and other products for outreach activities.

For further information, contact:

John Herity
Director
Biodiversity Convention Office
(819) 953-4374
Fax: (819) 953-1765





In
the
spotlight...

Headquarters - EPS Air Issues Branch



Back row:
John Drexhage, Doug Russell,
Bill Findlay, Rick Findlay,
Raymond Perras, John Reed.

Front row:
Sue Milburn-Hopwood,
Bob Stobbs, Peggy Hallward,
Donna MacKevic,
Claire Poulin,
Barbara Lukaszewicz,
Laura Lise Galipeau,
Kathleen Hedley

Absent:
Wayne Draper,
Lynn Berthiaume, Jay Barclay,
Trish M^cQuarrie,
Dominique Kayser,
Dennis Herod

Staff changes since photo was
taken are reflected in phone list
below.

The Air Issues Branch (AIB) is a relatively new member of the Pollution Prevention Directorate, formed in the fall of 1993. It has the challenging task of serving as focal point on air issues within Environment Canada, as well as building partnerships with outside clients and other levels of government.

The group includes managers and other staff responsible for coordinating domestic and international policy and actions on key air issues such as climate change, smog, stratospheric ozone depletion, acid rain and hazardous air pollutants. AIB staff is located on PVM's 11th and 16th floors.

"The branch was formed in recognition of the many linkages among air pollution problems, and of the need to provide a coordinated centre of responsibility to manage these issues more effectively," says Doug Russell, Air Issues Branch Director.

"It is important for the AIB to work closely with other branches

within the Environmental Protection Service, as well as with the regions, the Atmospheric Environment

Service and the Environmental Conservation Service, to make sure our activities are integrated with those of our partners," he notes.

Some of the key activities under way within the AIB this year include development of a domestic action program on climate change, continued implementation of the NO_x/VOC Management Plan, renewed international commitments on

the acid rain issue, and development of a strategy on hazardous air pollutants.

AIR ISSUES BRANCH TEAM

Doug Russell, Director	(819) 997-3376
Wayne Draper, Associate Director	(819) 953-8441
Barbara Lukaszewicz, Acid Rain Manager	(819) 953-4680
Peggy Hallward, Acid Rain	(819) 994-6107
Rick Findlay, Climate Change Manager	(819) 997-1977
John Drexhage, Climate Change	(819) 994-5156
Lynn Berthiaume, Climate Change	(819) 997-1967
Jay Barclay, Climate Change	(819) 997-2141
Bill Findlay, Climate Change	(819) 994-5851
Dominique Kayser, Climate Change	(819) 994-3037
Sue Milburn-Hopwood, Hazardous Air Pollutants Manager	(819) 997-5416
Dennis Herod, Hazardous Air Pollutants	(819) 994-4408
Raymond Perras, Smog Manager	(819) 953-1143
Donna Mackevic, Smog	(819) 994-6038
Laura Lise Galipeau, Strategic Analyst	(819) 997-1566
Kathleen Hedley, Strategic Analyst	(819) 994-6052
Claire Poulin, Administration Officer	(819) 994-6272
Trish M ^c Quarrie, Stratospheric Ozone Manager	(819) 953-1676
Fax	(819) 994-0549



In
the
spotlight...



Headquarters - EPS

Graphics and Design and Document Production



*From left: Gord McKinnon, Gary Thomas, Mark Allen, Julie Beaulne and Berend Tol.
Absent: Anna Savard, Rick Allen and Francine Pretty.*

The eight staff members of the Graphics and Design and Document Production Unit, located on the 16th floor of PVM, belong to the Technology Development Directorate and report to Keith MacIntosh, National Facilities Management.

The unit provides Headquarters with both word-processing services (using WordPerfect) and visual and graphic services. The latter includes the production of overheads, 35mm slides, posters, illustrations for reports and publications, and the mounting of artwork on foamboard.

They also offer autoCAD services and plastic engraved signage to both Headquarters and the Regions. AutoCAD is a software package designed to produce architectural, civil and engineering drawings to exacting scales and a high level of accuracy in two or three dimensions.

As of April 1st, 1994, a partial cost-recovery plan was initiated for both graphic and document-production services. Price information is available on request from Gary Thomas at 997-1488.

Headquarters - ECS

SOED: New Name, New Home

State of the Environment Directorate (SOED) has a new name and a new location. SOED returned to Place Vincent Massey at the end of March, after 18 months at Emerald Plaza on Merivale Road. Happy to be back within the fold at PVM, SOED has taken up residence on the 9th floor.

Staff members continue to be challenged by the interesting range of projects planned for the 1994-95 fiscal year. These include, for example, development of a video on stratospheric ozone depletion in collaboration with Friends of the Earth; an interactive compact disc on the environment; and the on-going development of state-of-the-environment reports, fact sheets and environmental indicator bulletins. Since February, four new bulletins have been added to the national set: *Urban Air Quality*, *Municipal Water Use and Wastewater Treatment*, *Energy Consumption*, and *Climate Change*.

As well, the Directorate is making great strides with the colossal task of preparing the next *State of Canada's Environment Report*. Unique in its incorporation of the ecosystem approach throughout, the 16-chapter report will be released in 1996.

Kerry Roy
ECS Communications
994-2177



Canada-Québec Pulp-and-Paper Agreement Signed

A Canada-Québec agreement signed in May harmonizes federal and provincial environmental regulations governing pulp and paper mills.

The agreement, which makes the Québec government the sole representative in dealings with Québec pulp and paper mills, will minimize duplication and overlap, improve efficiency, and cut administrative costs for both levels of government.

The agreement does not alter either the federal or provincial regulations, which are very similar in their objectives and standards. It stipulates that the Québec government, when enforcing its *Regulation Respecting Pulp and Paper Mills*, will provide information to the federal government so that it can ensure compliance with federal regulations and take legal action against violators.

Environment Minister Sheila Copps noted that federal regulations will continue to apply to all pulp and paper mills throughout Quebec and that the federal government retains all its legal powers.

The federal government will pay the Québec government \$300,000 each year to defray the cost of enforcing federal regulations, plus an additional \$350,000 toward a system to collect, input and transmit data.

The first harmonization agreement will be in effect until January 1, 1996, when it will be reviewed. Similar agreements are currently being negotiated with other provinces.

CONFERENCE CALENDAR

Upcoming Conferences Sponsored Or Co-sponsored by EPS

- 4th Symposium on Groundwater and Soil Remediation
September 21-23,
Calgary Convention Centre,
Calgary, Alberta
- Composting '94 Conference,
October 13-14,
Delta Chelsea Inn,
Toronto, Ontario
- 17th International Symposium on Wastewater Treatment, 6th Workshop on Drinking Water, and 10th Regional Eastern Canadian Conference of the Canadian Association on Air Quality
November 15 -17, Meridien Hotel,
Montréal, Québec

For more information on the above, please contact Lise Gagné, Technology Development Directorate, at 953-5227, Fax 953-7253.

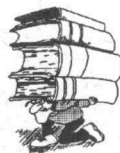
- 16th Canadian Waste Management Conference
September 11-16, Palliser Hotel,
Calgary, Alberta
- First North American Conference & Exhibition on Emerging Clean Air Technologies & Business Opportunities (NACAT)
September 26-30, Regal Constellation Hotel,
Toronto, Ontario
- Mercury Wastes and Batteries
October 11-13, Loews Le Concorde,
Québec City, Québec
- 20th Annual Conference of the Solar Energy Society of Canada
October 30-November 2, Citadel Inn,
Ottawa, Ontario

For more information on the above, please contact Lise Gendron, Technology Development Directorate, at 953-9368, Fax 953-7253.



Headquarters - EPS

Recent EPS Publications



The EPS Publication Unit of the Technology Outreach Section produces a wide variety of scientific and technical reports and newsletters for its clients within the Environmental Protection Service (EPS).

One of the Unit's major projects over the past two years has been working with the Commercial Chemicals Branch to produce Priority Substances List (PSL) Assessment Reports.

The Canadian Environmental Protection Act (CEPA) authorizes both the Minister of the Environment and the Minister of Health to investigate a wide variety of substances that may contaminate the environment and cause adverse effects on the environment or on human health. Environment Canada and Health Canada are jointly publishing Assessment Reports on each of the 44 substances identified on the Priority Substances List.

Over the past year, the EPS Publications Unit has produced 11 PSL Reports on the following substances:

- creosote-impregnated waste materials;
- non-pesticidal organotin compounds;
- 1,2-dichloroethane;
- 1,1,2, 2-tetrachloroethane;
- di-*n*-octyl phthalate;
- dibutyl phthalate;
- bis(2-ethylhexyl) phthalate;
- waste crankcase oils;
- aniline;
- chromium and its compounds; and
- cadmium and its compounds.

Soon to be released are reports on nickel and Polycyclic Aromatic Hydrocarbons (PAHs).

Approximately 40 PSL Reports, including those produced by Health Canada, are now available from the EPS Publications Unit. Other publications recently completed by the Unit include:

- Spill Technology Newsletter - Vol. 18, No. 2
- Code of Good Practice for the Handling, Storage, Use and Disposal of Pesticides at Federal Facilities in Canada (EPS 1/CC/3) (*out of print*)
- Reference Method for Source Testing: Measurement of Releases of Lead in Particulate from Stationary Sources (EPS 1/RM/7)

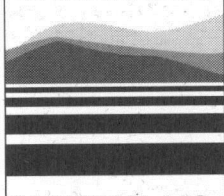
• Reference Method for Source Testing: Measurement of Releases of Particulate from Stationary Sources (EPS 1/RM/8)

• Estimates of Emissions from Pleasure Craft in Canada (EPS 5/AP/5)

All of the above publications are available from Micheline Patenaude or Tammy McNulty, who can be reached at (819) 953-5921 or by fax at (819) 353-7253.

**Jennifer Charles and
Danièle Tittley**
Technology Outreach Section

**COASTAL
ZONE
CANADA '94**



HALIFAX, N.S.
20-23 SEPTEMBER 1994

Atlantic Region - EPB

Coastal Zone Canada '94: Registration Opens

Registration is under way for "Coastal Zone Canada '94," (CZC)

a major international conference focusing on planning and management of the coastal zones of Canada and the world, to be held in Halifax from September 20-23, 1994.

The preliminary conference program highlights the great number and variety of paper and poster sessions, interactive workshops, training courses and roundtable sessions to be held. Topics for discussion will include: environmental monitoring, aquaculture development, sensitivity mapping, the effects of toxic chemicals in marine systems, environmental impact assessment community-based environmental planning, the use of economic instruments, climate change and sea-level rise, management of coastal zone

information, the control of land-based sources of marine pollution, GIS and remote sensing technologies, guidelines development, environmental quality assessment, and ecosystem health indicators.

Coastal Zone Canada '94 is an opportunity to share your current programs and approaches with a diverse international and non-government audience, and to learn of current and emerging practices. The organizers expect over 800 delegates from more than 40 coastal nations.

For a copy of the preliminary program and registration material, please contact the CZC '94 Conference Secretariat in Dartmouth, Nova Scotia, at (902) 429-9497 or fax: (902) 429-9491.

Larry Hildebrand
Atlantic Region
(902) 426-9632



Job Switch Builds Understanding

Did you ever wish you could switch jobs and step into someone else's shoes for a while—to experience the differences and just to see what it was like? Corine McGill and Heather Crépeault did just that for six weeks this summer.

Corine, from the Emergencies and Enforcement Branch, Pacific and Yukon Region, came to the



Corine McGill, Administrative Co-ordinator, Emergencies & Enforcement Branch, Pacific & Yukon Region.

National Environmental Emergencies Centre (NEEC) Headquarters in the National Capital Region to assume Heather's duties. At the same time, Heather undertook Corine's duties in the Pacific and Yukon regional office in Vancouver.

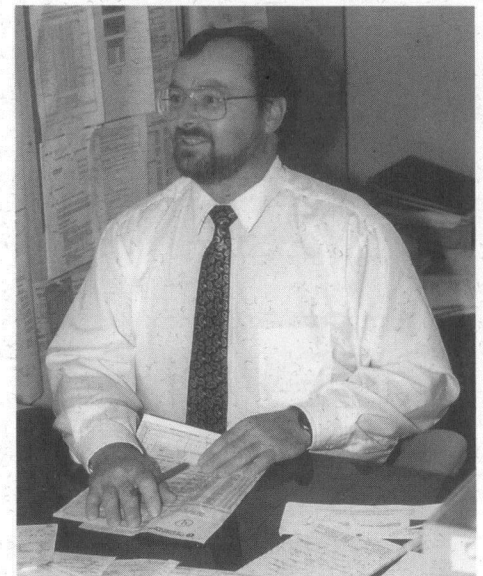
Their supervisors, Luke Trip and Ken Wile, negotiated the exchange. Luke Trip, who is Heather's supervisor and NEEC's Acting Chief, explains: "Ken and I believed it would be of tremendous benefit to have our respective staff experience the requirements of each other's programs and thereby gain a better understanding of each other's needs in emergency response situations."

In the past, both Headquarters and the regions have experienced a lack of appreciation for the heavy demands placed on their respective staff when they are dealing with emergencies. The exchange has already resulted in better communication and will generate a more integrated approach to emergency response for the department. The participants agree that the exchange is also an opportunity for job enrichment and a motivator for outstanding performance.

"In this period of staffing restraint it is an alternate way of giving deserving employees the opportunity to enrich their careers and broaden their horizons," comments Trip.



Heather Crépeault (front row, right) pictured here with the ball hockey team of the Emergencies and Enforcement Branch Pacific & Yukon Region. From left to right: back row, Dieter Theiss, Chris La Rock, Paul Ross and Adam La Rusic; front row, Meegan Armstrong.



Luke Trip, one of the supervisors instrumental in negotiating the exchange.



NETACS Begin Operations

As part of the Green Plan Technology Transfer Program, the federal government has established three National Environmental Technology Advancement Centres (NETAC) to serve Canada's growing environmental industry.

Establishment of the centres resulted from a 1992 study of the Canadian environmental industry entitled Building a Stronger Environmental Technology

Exploitation Capability in Canada, commissioned by Environment Canada. The report characterized the industry and identified barriers to the commercialization of environmental technologies in Canada.

In order to assist small- and medium-sized enterprises in overcoming these barriers, the federal government has provided start-up funding for creation of three

NETACS: Enviro-Access (serving Eastern Canada), the Ontario Centre for Environmental Technology Advancement (OCETA, serving Ontario), and the Canadian Environmental Technology Advancement Centre (CETAC, serving Western Canada).

Supported by over \$12 million in contributions from provincial governments, leading environmental and business firms, and environmental industry associations, these centres will operate as private, not-for-profit corporations at arm's length from the federal government.

The NETACs are just beginning operations and will assist firms in the scale-up of research and development, business and market planning, and technology demonstration. Their priority is to help small- and medium-sized enterprises commercialize environmental technologies. Firms can also receive help in accessing sales and market promotion programs offered through other federal initiatives.

Major services available from the NETACs include:

- technical services (review, assessment and demonstration)
- regulatory advice
- financial assistance and advice (improving access to private and public investment sources)
- general business counselling

Further information about the NETACs or copies of the report *Building a Stronger Environmental Technology Exploitation Capability in Canada* are available from the Technology Transfer Office, by calling (819) 953-5669.

Bill James

Technology Development Directorate
(819) 953-4734



Prairie and Northern Region - EPB

Bev Burns Mourned



Photo credit:
T.G. Manners

With great sadness, Environment Canada's Prairie and Northern Region mourns the sudden passing of Bev Burns on May 20, 1994. A funeral service was

held on May 26, 1994 in Edmonton.

Bev enjoyed a long (1963-1994) and distinguished career with Environment Canada, beginning as a Meteorological Officer in Ottawa. In 1964, he went on to the Calgary Aviation Forecast Office, then to Toronto to work as an Arctic Development Climatologist.

Bev became Regional Superintendent of Observational Services (AES), Edmonton in 1975. Six years later, he won the post of Regional Director, Atmospheric Environment Service, Western

Region in Edmonton, and in 1987 became Regional Director General for Conservation and Protection, Western and Northern Region.

In December 1993, Bev became Environment Canada, Prairie and Northern Region's Special Advisor on Northern and Aboriginal Affairs. In this capacity, Bev played an important role and was a valued member of the Regional Management Team.

Colleagues and friends will miss Bev's outstanding intellect and keen sense of humour. His humour was evident to bemused visitors to his Edmonton office, which was crowded with a unique assortment of toys, games, pictures and crafts.

All of Environment Canada mourns this loss. We extend our condolences to his wife, Beverley Ann Burns.

Those who desire to do so may make a donation in Bev's memory to the Heart and Stroke Foundation of Alberta, 10985-124 Street, Edmonton, Alberta, T5M 0H9.

Doug German, Chris Menard
(403) 951-8753



GOING PLACES

Headquarters

- **Preparedness and Crisis Management, Environmental Emergency Branch**, has moved to the 17th floor of PVM to join the Director General's office.

Staff members who made the move are: Joseph E. Slater, Nathalie Ethier, Joceline Belair, Sam Baird, Claire Carver, Carole Roy, George Pilpe, Maureen Moffat, Mary-Lynne Scullion, Raj Thakur, Caroline Ladanowski, and Gilles Lauzon.

The telephone numbers remain the same, although **Preparedness and Crisis Management** has a new fax

number: (613) 997-5029. The Environmental Emergency Centre office remains on the 15th floor, with the same fax number: (613) 953-5361.

- **Dale Kimmitt**, formerly with the National Office of Pollution Prevention, has been appointed Director, Career Management, within the Human Resources Sector. His first priority will be to implement an easily accessible information base of job and assignment opportunities.
- Things are really moving in EPS Communications! Two new staff members were added last Spring: **Marie-Anne Marin** and **Jennifer Howell**. Marie-Anne joins EPS from Public Affairs, where she worked as speech coordinator for the past four years. She concentrates on Air Issues, Response Assessment; Environmental Citizenship; and Environmental Stewardship. Jennifer is on secondment from the Senate. Before becoming a communications advisor there, she was with the Science Council of Canada. Jennifer is responsible for the National Office of Pollution Prevention, Office of Waste Management, Technology Development Directorate and CEPA Review.

Mark Colpitts has gone on to become Acting Director of Communications for the Environmental Conservation Service (ECS). **Joan Butcher** has assumed the duties of Manager, Communications, Atmospheric Environment Service (AES). Mark replaces **Jennifer Smyth** who is now Director of Communications for Environmental Protection Service. **Pat Dolan** has joined the Environmental Citizenship Directorate as Chief, Marketing.

LET'S TALK GREEN CONTRIBUTOR'S GUIDELINES

Let's Talk Green is a bilingual newsletter published quarterly by Environmental Protection Service (EPS). Special issues are printed as needed.

Let's Talk Green provides brief accounts of EPS events at HQ and regional offices.

Submissions...

Got a success story, article or column idea you'd like to see covered?

Let's Talk Green appreciates your comments, opinions, commentaries and story ideas. Articles should highlight EPS activities and achievements, as well as EPS employees and job-related issues of interest. Documents should be typed and not exceed two pages, double-spaced. Include departmental representative's name and phone number for each article/topic submitted so that *Let's Talk Green* readers may obtain more information directly from the author. Submissions can be transmitted via DOTS (EPBULLETIN), mailed (diskette) or faxed to (819) 997-0449. Pictures, clip art and line drawings are always welcome and will be used whenever possible.

Deadlines for submissions...

Spring Issue -	January 15
Summer Issue -	April 15
Fall Issue -	July 15
Winter Issue -	October 15

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Acronyms

EPS: Environmental Protection Service
EPB: Environmental Protection Branch
ECS: Environmental Conservation Service

