

COMMUNICATIONS

September 1989

 Communications
Canada


Express

Canada



A clown from the cancelled United Way picnic entertains patients at the Children's Hospital of Eastern Ontario on behalf of the Department. See story on page 3.

Expotec '89 explores the world of communications

Expotec '89, the third in a series of annual scientific, technological and cultural exhibitions held in Montreal's Vieux Port, focuses on communications technologies and their diverse applications.

The Department of Communications is a major sponsor of Expotec '89, which opened on June 7 and runs to October 1. The event is expected to attract more than 300,000 visitors.

"The technology the Department of Communications is displaying is very new," says Jean-Guy Beaupré, Chief of Public Affairs for the Quebec Region. "The projects show how technology, such as computers and satellites, is used to extend our different senses."

The Department's Canadian Workplace Automation Research Centre (CWARC) is featuring

three new projects in Expotec's technology section. The exhibits illustrate some of the social applications of computer technology.

NIGHTSTAR, a computer system that reads text aloud for the blind and visually impaired, was made possible by a collaboration between Quebec and France. NIGHTSTAR's advanced optical scanner and voice synthesizer can transform written text into spoken words in either official language.

"The system, which works on a personal computer, can read virtually all typed or typeset characters in English or French. Any printed page is now accessible, whether it's a report, textbook, newspaper or magazine," says Raymond Descout,

See page 5: Expotec

IMAA agreement — towards simplified administration

The Department took a step toward flexible and simplified administrative management when it signed an agreement with the Treasury Board in June.

The Memorandum of Understanding, the result of 18 months of negotiations under the Increased Managerial Authority and Accountability (IMAA) program, covers areas of human resource and financial management as well as reporting procedures to the central agencies.

Under the agreement, in effect until 1992, approvals in areas such as travel, conference

attendance, contracting and contributions are given by an assistant deputy minister or director general, rather than the Deputy Minister.

"In a lot of cases, this means less paperwork and faster service," says Jean Bélanger, Director of Management Practices. "But it also reflects the philosophy of IMAA, which puts the authority for decisions where it belongs — with managers."

"The agreement corresponds with the management style we've been developing internally which focuses on increased

delegation," Bélanger says. "It discourages the 'I'll let someone else say no' mentality."

The agreement also provides more flexibility for the management of human and financial resources. For example, the ability to move resources around between projects and from year to year to meet needs has been made simpler.

Accountability to Treasury Board is modified as well. A new Annual Management Report, a condensed account of the Department's work of the

See page 4: IMAA



A Memorandum of Understanding to simplify administrative management is signed by (left to right) Deputy Minister Alain Gourd, Robert de Cotret, President, Treasury Board of Canada, Communications Minister Marcel Masse, and Gérard Veilleux, Secretary, Treasury Board.

ITU conference deemed success

Canadian delegates are pleased with the outcome of the International Telecommunication Union (ITU) conference held in Nice, France from May 23 to June 29.

One of the achievements of the ITU's Plenipotentiary Conference was the establishment of the Telecommunications Development Bureau (TDB). The new Bureau will be the ITU organ responsible for helping Third World countries develop their telecommunications systems.

"We now have the resources to help the 115 developing countries in the ITU. For example, if a country wants to establish a microwave system, the Telecommunications Development Bureau will be able to help them," says Pierre Gagné, Director of Multilateral Telecommunications for the Department's International Relations Branch and a member of the Canadian delegation.

In his opening address to the conference, Deputy Minister Alain Gourd, Head of the Cana-

dian delegation, emphasized Canada's support for concrete measures to enhance the ITU's role in development assistance.

Formed in 1865, the ITU is the United Nations agency responsible for the formulation of regulations for international telecommunications and operating standards for equipment and services. Every five or six years, members gather to plan policies and to set a work program for the ITU, including a schedule of administrative conferences and meetings.

Decisions made at the conference, such as the creation of the TDB, will help the ITU meet the needs of its 166 member countries and will serve to adapt the Union to a rapidly changing international telecommunications environment.

The Plenipotentiary conference, which adopted a new Constitution and revised Convention for the organization, also agreed to establish a special high-level committee to study

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Communications Canada: 20 years of service, innovation and creativity





From the suggestion box...

Happy Anniversary

Can we make Department of Communications t-shirts available to all employees in celebration of the Department's 20th anniversary?

As you know, Cheryl Smith, the Department's 20th anniversary co-ordinator, agreed with this excellent suggestion. Profits from the t-shirts, which are now on sale at DGIS, will go towards an employee dinner/dance in the fall. In addition, sweatshirts, coffee mugs and other anniversary souvenirs will soon be on sale. If anyone has other suggestions, they can reach Cheryl at (613) 990-4848.

Basic information

Where can a new employee get basic information about the Department?

The Human Resources Management Branch has developed an Employee Handbook which will be distributed to current employees in the early fall. The Handbook, which contains a wealth of information about the Department, will also be distributed to all new employees. Contact the Human Resources Branch if you have not received one by October.

As well, the Department's telephone directory now includes a listing of frequently called telephone numbers. If you can't find anyone to answer your question about the Department, send a letter to the Editor, *Communications Express*, at DGIS.

Arrows in lobbies

Can we place arrows with room numbers on the direction boards in elevator lobbies in Journal Tower North so that visitors will know where to start looking for a room they wish to find?

The Administrative and Technical Services Branch ordered the arrows and they were installed on all direction boards in elevator lobbies throughout the building.

Emergency system

Is the Journal Tower North's loud speaker system used only during fire and evacuation drills or can it be used for other emergencies?

Good idea. The loud speaker system can now be used in an emergency situation when an employee cannot otherwise be reached. In the event of an emergency, contact the Security Branch at 990-4440.

Air quality examined

Can something be done to improve the air quality in Journal Tower North?

A study of the air quality in Journal Tower North is currently underway following complaints of discomfort from employees. The study, which will examine temperature and humidity controls both inside and outside working hours, is expected to be completed over the summer. Results will be available in the fall. For further information, call Larry Ormsbee, Departmental Safety Co-ordinator, at 990-4429.



The Canadian delegation at the ITU's Plenipotentiary Conference in Nice, France. Shown (from left to right) are Alex Sophianopoulos, Telecom Canada; Don McKay, DGRR; Peter Stern, Teleglobe Canada; Janis Doran, DGIR; Pierre Gagné, DGIR; Bob Jones, DGRR; Bruce Gracie, DGIR; Josette Couture, DGIR; Jim Edwards, Member of Parliament and Parliamentary Secretary to the Minister of Communications; Marie-Josée Lévesque, DGSP; Gaby Warren, DGIR; Keith Hoffman, Telecom Canada; Ram Jakhu, McGill University; Colin Billowes, CIDA; and Paul Racine, DGTP. Missing are Dave Barr, Ontario Ministry of Communications and Culture; Alain Gourd, Deputy Minister; Ambassador de Montigny Marchand, External Affairs; Mike Israel, Teleglobe Canada; and Jean-Luc Chouinard, External Affairs.

ITU continues from page 1

ITU operations and recommend further adaptations that may be needed. "We're being faced with new challenges all the time and the Plenipotentiary ensured that the ITU will be able to meet these challenges in the future," says Gagné.

The Canadian delegation consisted of 12 employees from the Department of Communications, as well as representatives from other departments and the private sector,

including External Affairs, the Canadian International Development Agency, the Ontario government, Teleglobe Canada and Telecom Canada.

At the conference, Gary Brooks, a former Department employee, was re-elected to sit as one of the five members of the International Frequency Registration Board. Canada was also re-elected to the 43-member Administrative Council, which oversees the functioning of the

ITU between Plenipotentiary Conferences.

The ITU's permanent organs are the International Frequency Registration Board (IFRB), the International Radio Consultative Committee (CCIR), the International Telegraph and Telephone Consultative Committee (CCITT), the General Secretariat and the new Telecommunications Development Bureau.

You asked us

Q: What is likely to happen if I'm caught violating the public service ban on smoking?

asked to meet with your supervisor, who will explain that other employees have a right to a smoke-free workplace.

smoking. However, your supervisor may choose to take appropriate disciplinary action when an official complaint is made.

A: If a fellow employee complains that you are smoking, you may be

There are no provisions in the *Financial Administration Act* to fine employees for

Tip of the Hat

The Department regularly receives letters complimenting employees on a job well done. "Tip of the Hat" will feature a few recent examples.

Mr. Michel Roberge
Chief
Spectrum Control Section
Sherbrooke District Office

Dear Mr. Roberge,

I would like to personally thank you and your team for the support you gave our group in solving the radio interference problem at Mont St-Michel.

The combined efforts of your technicians and ours made it possible to solve this complex problem which complicated daily operations and lowered the level of security required by our employees in certain situations.

Thank you again for your excellent co-operation.

Claude Tougas
Manager
Victoriaville Sector
Hydro-Québec

Letters to the Editor

Since the publication of the June 1989 issue, someone has probably informed you that the term "hyperfréquences" does not correspond to "high frequencies."

For once, a literal translation is appropriate. "HF" actually stands for "hautes fréquences," which translates into "high frequencies."

On another note, to the best of my knowledge, *Communications Express* is not distributed to former employees of the Department. It might be a good idea to establish this practice during the Department's 20th anniversary!

Laval Des Biens
Chicoutimi District Office

Editor's note: Thank you for drawing our attention to the error. "HF" (high frequencies) should have been rendered "ondes décimétriques" and not "HF," which is an outdated abbreviation now avoided in French. However, "HF" or "hautes fréquences" is still improperly used in spoken language. (Sources: Terminology Bank of the Department of the Secretary of State, Teleglobe Canada, Office de la langue française.)

In answer to your other question, we are currently examining the possibility of distributing Communications Express to retired employees of the Department.

correct address is: Room 316, Journal Tower South. (See photo on page 5.)

On page 10 of the same issue, we misspelled Marceline Antonin's name. Our apologies.

Corrections

On page 2 of the June 1989 issue, we inadvertently printed the wrong address for people interested in obtaining regulatory documents about Spectrum Management (ADMSR). The

COMMUNICATIONS Express Canada

Communications Express is published for the employees of the Department of Communications by Information Services.

The opinions expressed are not necessarily those of the Department.

Communications Express welcomes letters to the editor, story suggestions, pictures and articles from all readers. However, we cannot guarantee unsolicited material will be used. Please call first for guidelines.

The following are approximate deadlines for submissions for the next five issues:

August 31 for October issue
October 27 for December issue
December 29 for February 1990 issue
February 28 for April 1990 issue
April 27 for June 1990 issue

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Report from the Dakar Summit

The importance of communications was again a central theme at the most recent Francophone Summit, held in Dakar May 24-26.

Awareness that the future of the French-speaking world lies in cultural and communications industries first emerged at the Paris Summit and was reaffirmed at the Quebec Summit.

The francophone Culture and Communications Network, one of five networks established at previous summits, continued to be influential in Dakar.

Network representatives at the Dakar Summit, under the direction of Jacques Lyrette, Assistant Deputy Minister, Summits and Development, proposed a strategy and range of programs aimed at strengthening ties between francophone countries, while ensuring a balance between survival needs and the need to modernize. This was a reconfirmation of the fran-

cophone world's commitment to objectives defined at previous summits.

The Culture and Communications Network has developed programs to fulfill the following undertakings first approved at the Quebec Summit: rural radio, the international French-language network TV-5 (especially TV-5 Afrique), multilateral current affairs exchanges, production support for southern countries, an African audio-visual production centre, preservation of audio-visual heritage, promotion and distribution of audio-visual products, a telecommunications agency and an international distance education consortium.

General suggestions regarding the cultural industries made at the Dakar Summit included: a conference of ministers of culture, an information system to aid in the production and preservation of cultural property

and a development exchange program.

The task now is to identify funding sources and establish priorities. Canada has already pledged \$2.5 million and there is \$2.9 million remaining from the Quebec Summit, for a total of \$5.4 million. In 1991-92, the network budget will be \$7 million. CIDA should provide the balance (\$1.6 million), which will be allocated to the Cultural and Technical Co-operation Agency, whose role in various Summit projects was broadened at Dakar.

Because of its expertise, Canada, and the Department of Communications in particular, acts as a catalyst within the francophone world through projects aimed at pooling communications and cultural resources. The next summit will be held in Kinshasa, Zaire, in May 1991.

Department seeks to hire more disabled

Efforts are being stepped up to increase employment opportunities for persons with disabilities at the Department.

"We have been concentrating on this task since a survey last fall showed that our numbers [of employees with disabilities] were low," says Louise Lappa, Employment Equity Co-ordinator.

Since then, the Department launched an awareness seminar for managers, a pilot training project and activities to celebrate National Access Awareness week, held this year from June 4 to June 10.

The Employee Awareness Session, a seminar given at Headquarters by the Rehabilitation Centre of the Royal Ottawa Hospital, was an opportunity for Department managers to meet individuals with disabilities. It was designed to "increase awareness about the disabled and help clear up misconceptions," Lappa explains.

The 25 participants went through several exercises which enabled them to learn more about disabilities and the placement of disabled employees in work settings.

"We were very pleased with the interest shown by managers who attended the seminar. It turned out to be very successful. It is evident that people want to

learn more about the disabled," says Lappa, who hopes to hold another awareness seminar in the near future.

As well as promoting employee awareness, Lappa has also been working with private and public agencies to establish an inventory of qualified disabled people who could be hired by the Department.

"Because it is difficult at times to find individuals possessing skills required by the Department, we are attempting to establish our own inventory," Lappa explains. With the help of organizations such as the Ontario Ministry of Community and Social Services, the Workers' Compensation Board, the March of Dimes and Line 1000, a list of about 100 eligible people has been established.

A training program has also been set up by the Department to introduce the disabled to working in the public service environment. Disabled persons are seconded to managers for short-term assignments to demonstrate and improve their skills.

"After gaining the required experience, we can then explore more definite working arrangements for them in the organization," Lappa adds. Two disabled persons have come to the Department through the program so far.



Michael Binder, Assistant Deputy Minister, Corporate Management, congratulates Communications Research Centre employees on June 14 for the work they did preparing the picnic site and joins them for a hot dog luncheon.

Sooner or later — a picnic

by Don Stephenson

Some people just won't take "no" for an answer!

The staff picnic and bureaucratic games were a wash-out. As *Communications Express* went to press, plans had been laid for a corn roast at the Communications Research Centre on August 27. "The mud pit must be used!" was the unanimous cry by the picnic organizing committee, and so here we go again. If this doesn't work, we hear they may try a winter carnival.

Of course, the picnic rain-out brought a few smiles to some faces at the Children's Hospital of Eastern Ontario.

As well, Alain Gourd and Michael Binder were all smiles when the first contribution to the Department's United Way campaign, a cheque in the amount of \$1,000, was presented to them by members of the picnic organizing committee. (Sorry! Did I say picnic? I meant corn roast!).

United Way campaign kicks off

The federal service division's United Way campaign kicks off Thursday, September 7, at noon on Parliament Hill. Employees are invited to wear their Department of Communications t-shirts and join in the celebration.

All United Way campaign teams are in place and an estimated 7,000 canvassers are being recruited in federal departments and agencies across Canada. Training sessions for treasurers are being held and all campaign material, such as posters, guides and pledge cards, has been distributed to campaign canvassers.

The Department will launch its own campaign Monday, September 11, at 10 a.m. in the courtyard between Journal Towers North and South, where Deputy Minister Alain Gourd will serve coffee and doughnuts. Representatives from the United Way will also attend. Last year, the Department collected \$83,994, surpassing its target of \$77,600. This year's target is \$88,000.

Opening ceremonies will also take place on September 11, at 10 a.m. in the cafeterias of the Canadian Conservation Institute and the Communications Research Centre.



It brings out the best in all of us



For the second consecutive year, staff at the North Central British Columbia District Office in Prince George received a Gold Award for their contribution to the United Way campaign. Of the 15 federal departments and agencies in Prince George, only two received this award. Shown are employees from the North Central B.C. District Office in Prince George. Back row (from left to right) are Jim Husack, Bob Larkman, Angela Woods, Margaret MacDonald and Frank Vanderzande. Front row (from left to right) are Bill Crawford, Valerie Callaway, Ivan Cartwright, District Director, Jim Brown, President, Prince George and District United Way, and Narinder Minhas.



Michel Hall, Manager of Administrative Services, and Jacques Guindon, a clerk with the Canadian Workplace Automation Research Centre (CWARC) in Laval, recently received a Bronze Award from Marcel Thérault, Director General of the Montreal United Way campaign, in honour of CWARC's contribution to the 1988 United Way campaign. CWARC collected \$2,138 and had a participation rate of 62 per cent, compared to 37 per cent in 1987.

CHIN keeps track of history

The Department's Canadian Heritage Information Network (CHIN) played an important role in tracking down artifacts for an exhibition on Madame de Pompadour, the mistress of King Louis XV.

The Musée David Stewart in Montreal used CHIN's national computer system to conduct a nation-wide search of artifacts linked to Pompadour.

CHIN, a division of the Museums and Heritage Branch, maintains national databases containing detailed information about collections from most of the major public museums and galleries across Canada.

Non-confidential information from each institution is stored in the Department's mainframe computer, where it can be viewed by museum professionals and the general public.

"The databases will give you the name of an artifact and some of its

history, but you will not find out confidential information such as how much the museum paid for it, or where they got it from," says Barbara Rottenberg, Assistant Director of the Museum Services section of CHIN. Artifacts can be researched at the CHIN office in Ottawa or through participating museums and galleries.

"There are all sorts of uses for the national databases — someone may want information to track a particular piece or they may be interested in finding out how to catalogue similar objects," says Rottenberg. Scholars at Laval University used the database to compile a dictionary of French Canadian artists.

In addition to the national databases, CHIN offers a number of reference databases. For example, the National Gallery of Canada maintains one about Canadian artists, while the Interpol office of the RCMP regularly updates ROSA

(Repository of Stolen Artifacts), an international list of stolen works.

Conservation databases provide lists of special materials and supplies as well as bibliographic information about the treatment of artifacts. These databases are the result of a collaborative effort by the Department's Canadian Conservation Institute, the Getty Conservation Institute in Los Angeles and other international conservation bodies. The databases are currently used by clients in 20 different countries, including Japan and the Soviet Union.

CHIN also offers participating institutions a computerized collections management system that standardizes the way collections are recorded and keeps track of artifacts on loan to museums.

Museum microcomputers are linked up to the Department's mainframe computer to give them more storage capacity. "The computer system was

designed to allow museum professionals to manage their collections and related information in an effective way," Rottenberg says.

CHIN is used by curators, registrars, conservators and other public museum and gallery professionals. For example, the National Gallery of Canada used its institutional database to keep track of artifacts and plan storage facilities during its recent move.

Rottenberg says a new pilot project, known as Trillium, is looking at ways to expand CHIN services to more Ontario museums. The joint project between the Department, the Ontario Museums Association and the Ontario government should provide more small institutions with access to CHIN and may serve as a model for other provincial networks.



Plaques highlighting the Department's Mission are being installed on departmental premises throughout the country. Ken Hepburn, Senior Assistant Deputy Minister, Corporate Policy, presents Deputy Minister Alain Gourd with the first Mission Plaque in a ceremony at Headquarters. With them are (far left) Alain Desfossés, Director General, Strategy and Plans, Michael Binder, Assistant Deputy Minister, Corporate Management, and (far right) Philip Kinsman, Director General, Information Services.

IMAA

Continues from page 1

past year, replaces a series of ad hoc reports on individual areas of departmental responsibility.

The Operational Planning Framework, has also been improved. "A more result-oriented approach to setting goals has been taken," Bélanger says. "We will look at the impact of our programs on our clientele, rather than the number of inspection calls we make or the amount of money we contribute to arts programs."

Bélanger says the IMAA agreement is really a program for managers, but anyone who has to travel, or is participating in a conference, should get action on their requests much faster.

A second round of IMAA negotiations is being planned to focus on personnel-related issues.

IMAA agreement highlights

New areas of departmental authority:

- sub-delegations in the areas of travel, conference attendance, memberships, hospitality, informatics technology acquisitions, contracting and contributions;
- flexibility in facilities management related to geographic restrictions, special purpose space and field office fit-up expenses;
- classification authorities; and
- flexibility in financial management related to resources transfers within Treasury Board allocation votes, expenditures reprofiling, allotment control and revenue sharing.

Modifications to departmental accountability to central agencies:

- clarification of the departmental Operational Plan Framework for internal and external purposes; and
- simplification of planning and reporting requirements to central agencies.

DGBT research supports global HDTV standard

At a recent meeting, the Canadian delegation of broadcasting experts, supported by research from the Communications Research Centre, helped persuade member countries of the International Telecommunication Union (ITU) to work towards a single world standard for high definition television (HDTV) program production.

HDTV produces a wider, clearer, and more detailed picture, similar to 35mm film.

The International Radio Consultative Committee (CCIR), a body of the ITU, met in May to resolve a dispute between two conflicting approaches for an HDTV production standard. HDTV enhances the television picture by increasing the number of scanning lines on the screen. It produces a wider, clearer, and more detailed picture, similar to 35mm film.

Japan was the first country to develop an HDTV production system, which is based on 60 images per second. Subsequently, Europe developed an HDTV production system based on 50 images per second. While a world production standard is needed to facilitate program exchanges, a compromise between the two proposals had not been reached.

Technical information from the Broadcast Technologies Research Branch (DGBT) helped the Canadian delegation to suggest an appropriate compromise.

John Storey and Gérald Chouinard, from Systems and Networks Research, prepared the

proposal for an HDTV production standard that broke the deadlock. It was based on the idea of a common image structure whereby each image would have a fixed number of scanning lines. Canada proposed a system of 1,080 active scanning lines which could accommodate both HDTV proposals.

Paul Hearty and Lew Stelmach, from Behavioural Research, defused a debate over the merits of producing 50 or 60 images per second, a key difference between the two proposals. They determined that neither 50 nor 60 images per second would provide satisfactory performance with large HDTV images. Instead, at least 70 images per second were required.

Technical information from DGBT helped the Canadian delegation to suggest an appropriate compromise.

A study by Jean Maheux and André Vincent, from Information Processing Research, proved that the conversion from the proposed HDTV image format to any of the existing television standards would not be as complex or costly as originally thought.

The study gave crucial support to Canada's proposal. Even delegations which were initially negative about the proposed compromise agreed on its merits because of the study.

More news about VY9CC

Communications Canada VY9CC, the Department's amateur radio station, has established contacts with more than 1,200 stations throughout Canada and abroad since it was launched April 3.

The station, which kicked off the Department's 20th anniversary celebrations, has been busy sending and receiving QSL cards, used by radio operators around the world to

confirm contacts. It has communicated with a number of countries, including China, the Soviet Union, Indonesia, Nigeria and Algeria.

Everyone is welcome to visit the station, ask questions and take part in its daily operations. For more information, call Ron Powers at 998-3775, Ken Duncan at 990-4751 or Andy Cobham at 990-4736, in Ottawa.

Teleforum '89 connects

Information technologists gathered at a government telecommunications study session in June to discuss connectivity — the linking of complex communications systems and equipment so that they can intercommunicate.

Teleforum '89, which was held in Ottawa, focussed on the theme "Making Connections". The fifth annual session was organized by the Telecommunications Advisory Committee (TAC), an interdepartmental committee responsible for advising the Department of Communications on telecommunications issues.

The study session featured presentations from various departments and demonstrations of state-of-the-art technology, as well as discussions of current issues in the telecommunications field.

The evolving status of the Integrated Services Digital

Network (ISDN), a new approach to world-wide connectivity using a set of internationally developed standards, was explained by John Lawrence, former Chairman of the Private Sector Advisory Committee on ISDN.

Connecting with the future was explored by both the public and private sectors. John Gilbert, Director General of the Government Telecommunications Agency (GTA), led a presentation on common shared services.

Using telecommunications to connect both internally and with the general public was a common theme of presentations by speakers from Public Works Canada, Revenue Canada, Taxation, Health and Welfare Canada, and Correctional Services Canada.

Anne Senior, Policy Analyst with the Telecommunications Planning and Co-ordination

Division of GTA, says Teleforum stresses the importance of keeping in touch with industry professionals and sharing ideas about technology applications.

"The study session gave us the opportunity to share one another's problems and resolutions. Our purpose is to bring people up-to-date on the policies, systems and environmental issues involved in planning," says Senior.

Demonstrations of new technologies included, among others, Telesat Canada's live business television demonstration, Revenue Canada's Telerefund equipment and GTA's new service applications.

The climax of the two-day session, Senior says, was a debate about competition in long-distance services between Frank Degentsein, President of Telecom Canada and George Harvey, President of CNCP Telecommunications.

CRC buildings to be named after communications scientists

As another 20th anniversary initiative, the Department will name Communications Research Centre (CRC) buildings in commemoration of distinguished Canadian communications scientists.

In its first two recommendations, the nomination committee, chaired by the Director General, Technology, Policy and Planning, proposed that CRC Building #2 be named the F.T. Davies Building and that Buildings #34, #74 and #76 be named the West, South and East Wings of the John H. Chapman Building.

Subject to senior management approval, the buildings will be officially named during cere-

monies planned for September.

Frank Thomas Davies was Chief Superintendent of the Radio Physics Laboratory and the Defence Research Telecommunications Establishment (DRTE) from 1947 to 1969. A familiar face in laboratories, offices and workshops, he knew all his staff by their first names.

After two polar expeditions and a three-year assignment at the Carnegie Geophysical Observatory in Peru, Davies settled in Canada in 1941. He played a key role in the development of communications research in Canada and provided invaluable support to the *Alouette/ISIS* satellite program. He died September 23, 1981.

John Herbert Chapman, known as the father of Canada's space program, had an illustrious career in satellite communication, beginning with his leading role in the highly successful *Alouette/ISIS* program. The launch of *Alouette 1* in 1962 made Canada the third country in the world to successfully design, build and launch a satellite.

A firm believer in the Canadian space industry, Chapman was chairman of the 1967 federal task force that produced the report *A Domestic Satellite Communication System for Canada*, widely known as "The Chapman Report". He died September 28, 1979.



Ed DuCharme (left), Director of Regulatory Policy and Planning, Kate Cockerill, Executive Assistant to Assistant Deputy Minister, Spectrum Management and Regional Operations and Maurice Nunas, Director of the Spectrum Management Operations, cut a cake in celebration of the relocation of the Spectrum Management Operations Directorate to the 3rd floor of the Journal Tower South. Previously, employees of the Directorate worked on the 6th and 11th floors of the Journal Tower North. The structure of the Directorate has also been reorganized.



A CWARC employee at Expotec '89 in Vieux Port de Montréal calculates the odds of contracting AIDS by answering a series of lifestyle questions posed by a prototype computer called SECSI (Sexual Education and Counselling by Informatics).

Expotec Continues from page 1

Technical Director of the Voice Technology Group, at CWARC.

Visitors can also watch a machine called IRMA (Interpretation of Agricultural Market Reports) perform work similar to a human translator. IRMA is a fully bilingual computer capable of understanding spoken sentences and translating them in written and oral forms in either official language. Pierre Isabelle, Manager of the Machine-Assisted Translation Group at CWARC, says the exhibit offers a glimpse of how translation machines will work in the future.

CWARC's third display consists of a confidential service provided by a prototype computer that can inform an individual of the dangers of contracting the HIV virus, which may lead to Acquired Immune Deficiency Syndrome (AIDS).

SECSI, Sexual Education and Counselling by Sound Informatics, is an interactive computer that asks a series of lifestyle questions by telephone. Responses are recorded by pressing the appropriate keys on the telephone. A client can call back later and listen to a personalized message recorded by a counsellor.

"The system is fully automatic and has been very successful. About 2,000 Expotec visitors use the SECSI computer every week," says Pierre Billon, Project Director of the Socio-Cultural Program for the Summits and Development sector.

Expotec also includes models of SHARP and MSAT, two of the Department's most advanced telecommunications projects.

SHARP, the Stationary High-Altitude Relay Platform, is the world's first microwave-powered aircraft. This revolutionary plane is powered by a beam of microwave energy sent from a ground transmitter. This energy is converted to direct

current through special antennas located on the underside of the aircraft.

"When commercialized over the next few years, SHARP will provide a variety of services currently delivered by expensive satellite systems, such as relaying radio and television transmissions or monitoring pollution," says Beaupré.

...the exhibit (IRMA) offers a glimpse of how translation machines will work in the future.

A model of MSAT is also prominently featured. The mobile satellite, scheduled for launch in the early 1990s, will allow portable two-way voice and data communications in the most remote locations. MSAT will also enable small radio terminals to communicate by satellite anywhere on the continent.

Other technology displays at Expotec include lasers, remote-sensing satellites and fibre optics.

"SHARP will provide services currently delivered by expensive satellite systems, such as relaying radio and television transmissions or monitoring pollution."

Visitors can also tour the 'illusions' section of Expotec, which explores the ways perception distorts reality, and the 'emotions' category, which shows how senses can be used to create and manipulate feelings.

Expotec is also showing the OMNIMAX film *Speed*, which plunges viewers into action with images 10 times larger than a 35 mm movie.



Lawyers find computers appealing

The Department of Communications is helping lawyers reduce the amount of time and money spent researching legal cases.

A Memorandum of Understanding was signed in May by the Department to provide \$300,000 worth of services to the British Columbia-based Legal Information Systems and

Technologies (LIST) Foundation.

LIST is a newly formed independent foundation funded by the University of British Columbia, various federal departments, provincial ministries and private sector companies. LIST will develop a sentencing database system, software programs for legal applications and an International Trade Law and Business database.

Information stored in the databases and software programs can be accessed in minutes, dramatically reducing the amount of time spent researching cases. The sentencing database is now being tested by a group of judges, lawyers, law courts and legal libraries throughout British Columbia.

The Department's Canadian Workplace Automation Research Centre will provide LIST with consulting expertise throughout the project.

The federal government will contribute a total of \$1.5 million to the project, including a \$1,178,379 repayable contribution from the Western Diversification Program.

In January 1986, the University of British Columbia and IBM Canada began a two-year co-operative project to explore the application of computer technology in the legal system. The project, which received some funding from the Department, created the prototype sentencing database. LIST was formed largely because of the success of this project.

Science World offers a new museum experience

The Department of Communications is helping bring the wonder and excitement of science to a new museum located on the site of Expo '86.

Four federal agencies contributed to the establishment of Science World British Columbia, which opened May 6. The Department of Communications administered the contribution agreement.

Museum exhibits blend science, technology and the arts to encourage a hands-on approach to learning.

For example, visitors can conduct a symphony orchestra with the help of a computer, or learn the principles of photography with a larger-than-life camera.

Children can explore natural history by touching and examining items such as a

beaver's tail, its teeth and samples of its food.

"Our aim has been to keep the excitement and character of science without sacrificing accuracy or integrity," explains Dr. Gerry Moss, Director of Science and Education for Science World. "We've tried to walk the fine line between a purely academic and intimidating environment and one of the pure glitz of Walt Disney. We think we've found the proper balance."

David Black, Director General of Technology, Policy and Planning, refers to Science World as a unique project with a fabulous blend of technology and the arts. "It presents a rare opportunity to see the beauty of the human mind," says Black.

The six major exhibits of Science World are: Matter and

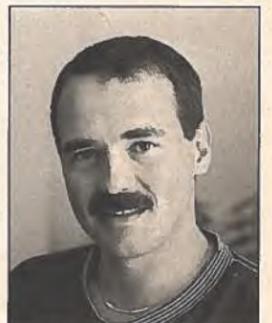
Forces, Something Clicked, the Search Gallery, Music Machines, Science Theatre and the Omnimax Theatre. Exhibits also highlight current Canadian research projects and innovations.

John Quigley, Director General for the Pacific Region and federal government representative on the Science World Board of Governors, says Science World encourages young people to acquaint themselves with science and technology at an early age so they can welcome the changes of the future.

A travelling version of Science World will tour British Columbia. It will include 15 exhibits on a variety of topics, including light, colour, mechanics, fluid dynamics, the human body and perception.

Open Forum

by Yves Brunet
Staff Relations Officer,
DGHR



Last fall, at the ADMCM Sector Planning Session, I was surprised to hear that the Department of Communications would be the Host Department for the 1989 United Way Campaign in the National Capital Region.

"Little did I know that less than a month later, Jean would come to ask me to be the Training Officer for the Federal Service Division."

My immediate reaction was that this was insane — considering we had difficulty organizing a celebration of our 20th anniversary and that we have a new Minister that simply does not stop. I almost felt sorry for Jean Bélanger, who would be the principal organizer.

Little did I know that less than a month later, Jean would come to ask me to be the Training Officer for the Federal Service Division. At first I felt it would interfere with my responsibilities as a newly appointed Staff Relations Officer. But, I had been a canvasser, a team captain and a training officer for the the United Way before, so why not! This would be a challenge which I could do on the side.

I guess this was very naive of me. Preparing lesson plans, organizing the logistics while attending weekly meetings, and conducting 10 half-day sessions to train all 106 campaign co-ordinators and 106 training officers, can hardly be done "on the side". My boss, though very patient, still had deadlines for me to meet and I didn't want to let him down. It made my little world at work quite frustrating.

However, hearing testimonials from beneficiaries brought me into another world — one of the needy, the poor, the homeless and the abused. The services are to a large extent funded by United Way monies collected in the fall. It gave me the extra push I needed to realize that I was an important link between the decision of making the Department the host department for 1989, and the actual provision of services to the needy.

While most of my work is now over, things are just getting interesting for my colleagues on the Host Department Executive Committee and for campaign co-ordinators in all departments and agencies.

I wish the best of luck to our own departmental campaign organizers (Ginette Larcher and her team) in showing to the rest of the public service that we can run a great campaign — one that we can all be proud of.

...hearing testimonials from beneficiaries brought me into another world — one of the needy, the poor, the homeless and the abused.

This will only be possible if a solid team of motivated canvassers and team captains is established and if all employees give generously. The United Way — it really did bring out the best in me!

P.S.— If you don't want to devote the time to properly canvass your peers or you just don't feel like it, please say so. Selecting an unwilling canvasser is the worst thing one can do to a campaign.



Staff from the Moncton Regional Office admire some of the delicious desserts entered in the Atlantic Region dessert contest. Standing (from left to right) are Pierre Boudreau, John Janes, Eugène Aucoin, Rachel Léger, Al Daly and Irene Reid. Inset, Michelle Belliveau of the Saint John District Office, who won a first place blue ribbon and the Grand Prize winner's trophy for her banana split cake.

Atlantic Region cooks for a cause

Atlantic Region staff prepared their favourite recipes for a dessert contest June 20 at the regional office in Moncton, New Brunswick.

"The idea seemed like fun, and it was a chance to do something in honour of the Department's 20th anniversary," says Annabelle Juneau, who organized the event.

Former Department employees Claudine Daigle, Glen Atkinson, and Réal Valiquette judged the 23 entries.

The Grand Prize winner was

Michelle Belliveau, of Saint John, New Brunswick, whose banana split cake was deemed delicious.

The desserts were auctioned to famished spectators at noon, with \$150 going to Hestia House, a shelter for battered women and children in Saint John.

1st Place Ribbons: Terry Thompson, Oatmeal/Chocolate Chip Muffins; Paula McCuaig, Breton Squares; Angèle Bourgeois, Blueberry Flan; Pierre Boudreau, Coffee Fudge;

France Jean, Sugar Pie; Michelle Belliveau, Banana Split Cake

Honourable Mention Ribbons: Al Daly, Rhubarb Crisp Squares; Rachel Léger, Chocolate Cake with White Mountain Frosting; Eileen Rafuse, Fruit Flan; Diane Strzechowski, Cherry Cheese Cake; Carmen Comeau-Anderson, Cellular Phone made of Chocolate-covered Rice Krispie Squares; Roland Richard, 20th Anniversary Logo made of Butter Shortbread Cake.

People and Places

SADM

Patsy Khehar, formerly Assistant to the Personnel Advisor for SADM, has left the Department to relocate with her spouse in Victoria.

Lisette Thibault, formerly an Administrative Assistant with the Information Services Branch, has been promoted to the position of Senior Planning Officer in the Policy Sector Planning and Coordination Division (DSPC).

Josette Couture has transferred within DGIR from the Multilateral Telecommunications Division to the International Cultural Affairs Division, assuming the position of Senior Policy Advisor.

Patrick Hollier, previously with Energy, Mines and Resources, has been appointed to the position of Senior Planning Officer in the Strategy and Plans Branch.

Louise Lafleur, Director of the Public Relations Division of DGIS, has accepted a one-year secondment to the Communications Directorate of Environment Canada as the Director of Corporate Media Relations. **Marie-Christine Dufour**, previously with the Toronto Regional Office, will replace Louise during her secondment.

ADMAC

Michel Normandeau, formerly with the Sound Recording Development Program in the Montreal Regional Office, has been promoted to the position of Senior Policy Analyst with the Broadcasting Policy Division of DGBP.

Ned Ellis was appointed Fiscal Policy Analyst in the Film, Video and Sound Recording Policy and Programs Division of DGBP. He was previously with the Department of Finance.

Nadine Labelle has been promoted to the position of Heritage Policy Advisor in the Heritage Policy and Programs Division of DGMH.

Denis Osborne, previously with the Financial Policy, Systems and Accounting Division of DGFM, was appointed Administration Clerk for the Cultural Initiatives Program of DGAP.

Charles Vallerand has been promoted to the position of Policy Analyst in the Broadcasting Policy Division of DGBP. He was formerly with the Strategic Policy Planning Division of DGSP.

Chris Paulocik, previously with the Canadian Conservation Institute, has taken a two-year leave without pay to assume the position of Textile Conservator with the Metropolitan Museum of Art of New York.

Murielle Arseneau, Secretary, Internal Exhibitions, Museum

Assistance Programme of DGMH, has transferred to the House of Commons.

ADMCM

Patricia Legault has transferred from Energy, Mines and Resources to the position of Staff Relations Clerk with the Staff Relations and Compensation Division of DGHR.

Jean-Marc Maisonneuve has been promoted to Foreman of the Carpentry Shop in the Administrative and Technical Services Division of DGAT.

Carmen Centofanti has transferred from the Spectrum Management Operations Division of DGRR to the Human Resources Planning and Development Division of DGHR, assuming the position of Training Administrator.

Frances Clavet has accepted a transfer within DGIM to the position of Senior Office Services Clerk, Branch Administration. She was formerly with the Informatics Operations Division.

Julie Côté has been promoted to the position of Head, Personnel Clearance and Visit Control, with the Security and Intelligence Programs Unit of DSCS. She was formerly with the Security and Safety Operations Unit.

Richard Richardson has transferred from Energy, Mines and Resources to the Staff Relations and Compensation Division of DGHR into the position of Word Processing Operator.

Theresa Quenneville, formerly with Employment and Immigration Canada, has been promoted to the position of Financial Analyst in the Financial Planning and Resource Utilization Division of DGFM.

Mireille Laprade has transferred from the Financial Policy, Systems and Accounting Division of DGFM to the Compensation and Benefits Office of DGHR into the position of Receptionist/Clerk.

Fernand Auger has been appointed to the position of Operator, Stationary Machines, in the Administrative and Technical Services Division of DGAT.

Sherril Minns has been promoted within DGFM to the position of Financial Analyst in the Financial Planning and Resource Utilization Division.

Anita Rush has been seconded for nine months from the Financial Services Minister's Portfolio Division of DGFM to the Treasury Board Secretariat, where she will assume the position of Program Analyst.

Vimal Sehgal, Production Support Analyst in the Informatics Operations Division of DGIM, has left the Department.

ADMTR

Claire Périard has transferred to SADM as a Personnel Assistant.

Christine Lacroix has been promoted within DGBT to the position of Secretary to the Director General.

Anne Malcolm, previously with the Department of National Defence, has been appointed to the position of Administrative Clerk in the Systems and Networks Research Division of DGBT.

Norman Secord has left the private sector to join the Department as a Research Scientist with DGRC.

Anne Philpott, formerly a summer co-op student, was appointed Telecommunications Engineer in the Development and Engineering Division of DGGT.

Louise Campbell has been appointed to the position of Project Manager in the Communications Applications Division of DGIE.

Stephen Crowther, formerly with the Regional Municipality of Ottawa-Carleton, has been appointed Telecommunications Analyst in the Client Services Division of DGGT.

Lynn Stewart has transferred from the Financial Management Branch of ADMCM to the Management and Plans Division (DMG), assuming the position of Resource Management Assistant.

Kent Lancaster has been appointed to the position of Superintendent, New Services, in the Development and Engineering Division of DGGT.

Linda Regnier, formerly with Secretary of State, was appointed Superintendent, Rate Policies and Systems, in the Finance and Administration Division of DGGT.

Denise Lalonde has been promoted to the position of Head, Bulk Services Acquisition, in the Telecommunications Systems Management Division of DGGT.

Lyn Elliot Sherwood has been redeployed from the the position of Director, Priority Planning and Government Business in DGSP to the position of Executive Manager, Senior Executive Network Project in ADMTR.

Sylvain Faucher has accepted a transfer from the Communications Research Center to the Integrated Systems Division of DGRI in Laval, assuming the

position of Engineer, R&D, Experimental Office System.

Lorraine Larivière, previously with the Public Service Commission of Canada, has been promoted to the position of Chief, Material Management, in the Administrative Services and Special Projects Management Division of DGRI.

Richard Lavoie, formerly with the Douglas Hospital, has been appointed Program Evaluation Specialist in the Organizational Research Division of DGRI.

Richard Nassar has accepted a two-year assignment as Group Leader, Spectrum Specialist with Spectrocan. He was previously Spectrum Demand Analyst in the Spectrum and Orbit Policy Division of DGTP.

ADMSR

Beverley Wiseman has transferred within DGRR from the Automated Applications Division to the Spectrum Management Operations Directorate, assuming the position of ITU Co-ordination Clerk.

Dave Thomas has accepted a transfer within the Sector Policy, Planning and Assessment Division (DAP) to the position of Senior Analyst, Management Programs.

John Dexter has transferred within DGBR from the Broadcasting Engineering Planning and Standards Division to the Broadcast Applications Engineering Division into the position of FM Broadcasting Engineer.

Atlantic Region

Roland Richard was promoted to the position of Director, Engineering, Atlantic Region. He was previously Regional Superintendent of Broadcast Engineering in the Moncton Regional Office.

Keith Anderson, formerly Broadcast Engineer in the Moncton Regional Office, has been promoted to the position of Regional Superintendent, Broadcast Engineering.

Lynn Mercer, Administrative Services Clerk, St. John's District Office, was appointed on an indeterminate basis.

Kevin Bennett was promoted to Supervisor, Licensing and Authorization/Enforcement in the St. John's District Office, where he was previously Inspector, Radio Regulations.

Quebec Region

André Simard has transferred from the Montreal District Office to the Montreal Regional Office into the position of Regional Manager, Spectrum Control.

Mario Parent and **David Parcigneau** have joined the Montreal District Office as Radio Inspectors-in-Training.

Heather Wallace, previously at Headquarters, was confirmed into the position of Senior Officer, Sound Recording Development Program, in the Cultural Affairs and Economic Programs Directorate.

Sylvie Breton has transferred from the Montreal District Office to the St-Remi Office into the position of Regional Spectrum Service Centre Clerk.

Alain Robillard has transferred from the Montreal Regional Office to the Montreal District Office to assume the position of District Director.

Jean-François Marcoux has transferred from the Montreal District Office to the Quebec District Office into the position of Radio Inspector.

Ontario Region

Murray Dynes, formerly Radio Inspector Specialist, has left the Toronto District Office to join the private sector.

Peter Munzer has joined the Toronto District Office as a Radio Inspector-in-Training.

Randall Patrick, Johnny Da Pra and **Keith O'Reilly**, have joined the Toronto Regional Office as Junior Telecommunications Analysts in the Government Telecommunications Division.

Peter Dougall has accepted an indeterminate appointment as Radio Inspector-in-Training in the London District Office.

Ralph Detko, Jeff Stanhope and **Nigel Green** were appointed on an indeterminate basis as Radio Inspectors-in-Training in the Toronto District Office.

Sharon Oake has accepted an indeterminate appointment as Intermediate Telecommunications Analyst in the Government Telecommunications Division.

Christian Gauthier, previously Radio Inspector with the Toronto District Office, has resigned his position to join the private sector.

Carol Tam, Central Records Clerk, has transferred from the Finance, EDP and Administration Division of the Toronto Regional Office to the Canadian Forces College (DND).

Central Region

Bernard Ries has joined the Saskatoon District Office as Radio Inspector-in-Training

Belaineh Deguefe has transferred from Secretary of State to the Communications and Culture

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Section of the Regional Office in Winnipeg into the position of Cultural Development Officer.

Ronald Tonita has joined the Regina District Office as Radio Inspector-in-Training.

Michael Thul was promoted to the position of Supervisor, Authorization, in the Regina District Office.

Mel Cornell, previously Communications Development Officer with the Communications and Culture Section, has left the Regional Office in Winnipeg to assume a position with the Province of Manitoba.

Jacqui Lloyd, formerly Radio Inspector with the Edmonton District Office, has left the Department to accept a teaching

position at the Northern Alberta Institute of Technology.

Pacific Region

William Martyn was appointed on an indeterminate basis to the position of Telecommunications Manager in the Government Telecommunications Division of the Vancouver Regional Office.

Retirements

Peter Roy, Standards Officer, Authorization, Montreal Regional Office, has retired after 29 years of service.



Phyllis Timleck, Research Analyst with the Radio Propagation Division of DGRC, has retired after 34 years of service. Timleck receives a farewell hug from John Belrose, Director, Radio Propagation.



Margaret (Betty) Drake, a Technical Clerk in the London District Office, receives a 30-year employment certificate from Stan Ribbee, Director, Hamilton District Office.



Jack Prodanuk, Communications Technologist, Enforcement, Winnipeg Regional Office, has retired after 31 years of service.

Award nominees do "remarkable job"

All employees nominated for the first Employee Recognition Award Program have done "a remarkable job" in their work for the Department, says awards committee chairman Raynald Turgeon.

More than 40 nominations received from across the Department have been examined by the awards committee and are currently being considered by senior management. The nominations came from employees at all levels.

The awards are to be presented at ceremonies in September.

Inaugurated for the 20th anniversary, the awards recognize the Department's "unsung heroes", either groups or individuals, who have demonstrated outstanding work performance or conduct. Nominations for the Employee Recognition Award Program are expected to be held each year.

Long service awards

25 years

Erich Kunzel, Authorization Supervisor, Spectrum Control, Calgary District Office.

35 years

Larry P. Thivierge, Manager, Systems Procedures with the Automated Applications Division of DGRR;

Kenneth Larson, Special Advisor, Emergency Telecommunications Planning with the Regulatory Policy and Planning Division of DGRR.

Yvon Quinn, Assistant Data Analyst with the Telecommunications Systems Management Division of DGGT, was presented with a medallion to commemorate 35 years of public service.



Duncan Taylor (left), Telecommunications Inventory Analyst with the Telecommunications Planning and Co-ordination Division of DGGT, receives a commemorative plaque for 25 years of public service from John Gilbert, Director General, Government Telecommunications.

Suggestion Awards



Virginia Russell, Project Officer, Bulk Services Acquisitions with the Telecommunications Systems Management Division of DGGT, recently received a Certificate of Appreciation for suggesting a computer program to assist in the production of GTA customized service billings. Russell is joined by colleagues on this special occasion.

Judy Whenham, Human Resources Officer with the Personnel, Finance and Administration Division of the Vancouver Regional Office, received an award for her suggestion to use a special type of copy holder.