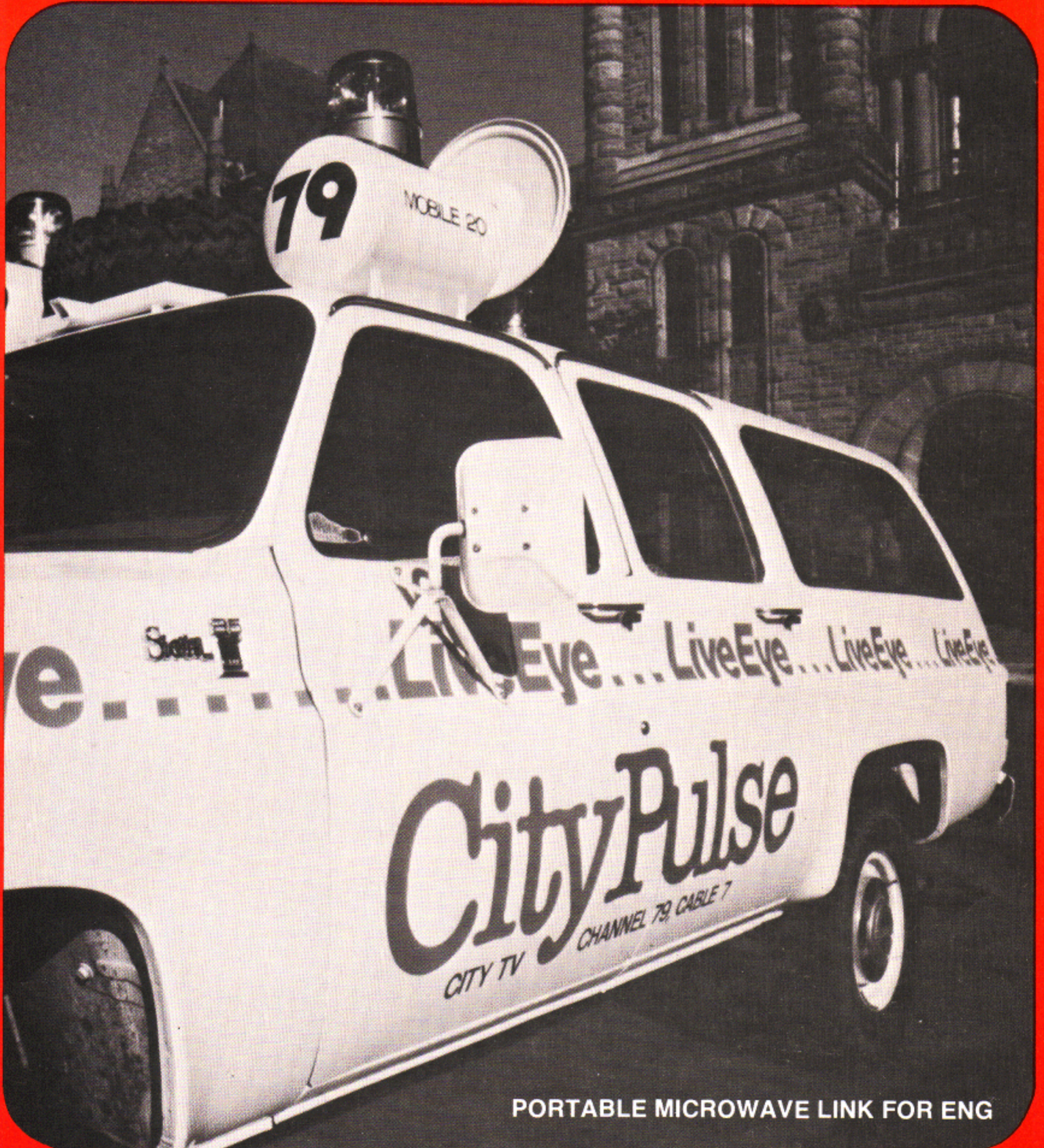


BROADCAST TECHNOLOGY

JAN / FEB 1980



PORTABLE MICROWAVE LINK FOR ENG

- SMPTE TV CONFERENCE FEB. 1-2 IN TORONTO
- AES NEW YORK
- BANDPASS TV DIPLEXER
- HOW RADIO COVERED MISSISSAUGA DISASTER

REPORT ON WARC

The Seventh-Inning Stretch

It's difficult to write up the final result of a ball game during the seventh inning, particularly when your readers will not see this until after the game is over, despite the probability of overtime innings. In the WARC ballgame, starring some 2,200 players from about 140 teams, the superstars each have their followers, but collectively can be beaten by the power (in this case votes, not bats) of the minor-leaguers. So in reporting to you on how the WARC will affect Canadian broadcasting interests, I can only indicate likely results from my perspective here in the bullpen in far right field.

AM Broadcasting

The existing 535-1605 kHz band remains intact. The 525-535 kHz band, shared with aeronautical radionavigation beacons allows primary operation for both, with broadcasting power a maximum of one kW day, 250 W night. Canada has a number of such beacons in use, and the additional AM channel will be of little use to us, though the traffic-information systems in the USA obtain an enhanced status and could increase power from the current 50 watts.

The top of the band is extended by 100 kHz to 1705 kHz, but with several strings attached. Use will be subject to an allotment plan to be drawn up by a Regional Administrative Conference (RARC) not later than 1985. Other existing services can remain until a date determined by that RARC, after which 1605-1625 becomes exclusive broadcasting. Above this frequency, fixed and mobile services drop to a permitted status, that is, equal primary—where they can be fitted in around the broadcasting allotments in the plan. Radiolocation becomes secondary (cannot cause or be protected from interference) to the other services.

These arrangements should suit us well. Where broadcasting assignments are needed, we should be able to negotiate our share, and by the later 1980's, a reasonable penetration of new receivers, particularly automobile receivers, should have occurred. We also can take care of our users of fixed, mobile and radiolocation services in our northern areas.

FM Broadcasting

The 88-108 MHz band is retained in our Region. Attempts to introduce an FM sound satellite broadcasting service near 900 or 1400 MHz received a lot of opposition. Power was intended to be sufficient to operate directly into existing-style receivers using whip antennas. It looks as though this option will not be settled prior to another general WARC, some twenty years down the road.

VHF Television

There are no changes which will affect our present use of channels 2-13 in Canada. Fixed and land mobile are on a secondary basis, and this fits in with our domestic policy.

UHF Television

Channels 14-20 are intact with fixed and mobile secondary. Channels 21-36 are exclusive for broadcasting. Channel 37 goes to radio astronomy and channels 38-69 are retained, again with fixed and mobile secondary. Channels 70-83 have co-equal primary status for fixed, mobile and broadcasting. These allocations are totally satisfactory and fit well with the DOC-announced policy.

The USA is still trying to enhance the fixed and mobile to primary status, at least at home, and preferably with no strings attached. They have footnotes in the revised table of allocations for this purpose, but Canada has forced the

Technitopics

by Sandy Day



added qualification that such use be subject to agreement with administrations concerned. Only in this way can we retain any flexibility in UHF-TV allotment policy at home.

12 GHz Satellite Broadcasting in Region 2

The final answers within the band are put off until RARC '83, but essentially, fixed satellites (FSS) will have 11.7-12.1 and broadcasting satellites (BSS) 12.3-12.7 GHz. At RARC '83, the 12.1-12.3 GHz portion will be divided, the lower part to FSS, the upper to BSS. An interesting feature in the footnotes allows hybrid FSS/BSS operation in either part of the band, with the satellite characteristics determined to match those of the appropriate band. Power in the BSS band will be planned to allow for direct-to-home broadcasting into small dishes.

Although certain terrestrial services are allowed, they must not affect the BSS plan adopted in 1983. Satellites in use prior to 1983 will have to adapt to the 1983 plan. Still under discussion are the inter-regional protection requirements.

Other Satellite Bands

Satellite broadcasting is allowed in part of the UHF-TV band, around 2600 MHz, and near 22 GHz, restricted to power levels for community, not direct-to-home reception.

Shortwave Broadcasting

One of the major battlegrounds has been the shortwave broadcast dilemma. Existing bands are seriously overcrowded, and many stations operate out-of-band. About 900 kHz of additional bandwidth has been negotiated, the only area where an apparent gap is likely to occur is between 4 and 8 MHz where the fight goes on at present.

RARC on AM Broadcasting

The CCIR has held interim working party meetings here in order to assemble its advice for next year's RARC on the existing AM band. Topics covered include a wide range of information on ground-wave and sky-wave propagation, on definitions, modulation standards and channel spacing, service contours, protection ratios, antenna and transmitter characteristics, and on planning methods. Canada contributed substantially to this report, and while many of the details differ from those in NARBA, the essential material based on NARBA methods has been included as well.

It seems strange to be writing this on a rainy November Sunday in Geneva, but to all of you ... a Happy New Year!

Sandy Day is engineering consultant for the Canadian Association of Broadcasters. Readers' comments or questions may be addressed c/o BET or to CAB, Box 627, Station B, Ottawa K1P 5S2; or telephone (613) 233-6359.



Live Eye mobile unit is seen at Ontario legislature building in Toronto.

cover story:

CITY-TV's Live Eye

WIDER SCOPE FOR ENG

CITY-TV Toronto has put into service the first live microwave newsgathering vehicle in Canada.

While live newsgathering has been a reality in the U.S. for some years, it has only recently become possible in Canada with the assignment of a portion of the 15 GHz band to live news operations.

In order to obtain maximum flexibility, CITY-TV designed a mobile unit specifically for the purpose, capable of live coverage—minutes after its arrival at a news event—anywhere within a 30-mile radius of the re-

ceiver, located atop the 70-storey First Canadian Place, Toronto's highest office building.

The mobile unit is based on a Chevrolet Suburban four-wheel drive vehicle, selected to facilitate access to difficult locations in all weather conditions. It has been extensively modified, with a 23-foot telescoping, air-operated mast. The microwave transmitter and two-foot parabolic antenna, on an electrically controlled pan-and-tilt head, are mounted at the top of the mast.

Operation of the mast is by an elec-

trically-controlled system of twin air compressors, air driers and tanks. Operator safety has been heavily stressed in the design of the control system: it is not possible, for example, to raise the mast unless the operator is outside the vehicle where he can look for overhead power lines; also, the mast will not raise unless the vehicle transmission is in 'park' and the engine and starter are disabled when the mast is erected. An audible warning alerts the driver if the ignition is turned on with the mast more than one-quarter inch from being fully retracted.

A custom 24-volt generator and battery system provides up to 15-20 continuous hours of operation from the batteries before it is necessary to run the engine and recharge.

The mobile unit transmits a very tight beam (2.3° wide) to the receive site at First Canadian Place, where it is received by a 4-foot parabolic antenna and down-converted to 70 MHz for distribution to Rogers Cable TV and CITY-TV. The receiving antenna is steerable by remote control from either Roger's or CITY's premises.

The unit is equipped with a broadcast quality, portable color camera capable of operating up to 300 feet from the vehicle. Support equipment includes a videotape recorder and full complement of lights, cables and stands.

The Live Eye can be sent to a news story and, within minutes, transmit live video and audio to be integrated into a news package with almost the same ease as a studio camera and an in-house audio feed. The news anchorman in the station can also converse over the air with the reporter on the scene, obtaining immediate answers to his questions.

Canadian stations will be watching CITY's Live Eye as it brings an added dimension of immediacy to television coverage of local events.

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BROADCAST BEAT

by Phil Stone

Keith Davey, the one-time radio station sales manager who climbed the political ranks to the Senate of Canada, is now also director of the public relations arm of Vickers & Benson . . . **Bob Komsic**, who won the *Gordon Sinclair News Award* as most promising newscaster when a student at Humber College, has left CKO to join **Phil Ross'** news staff at CHFI Toronto . . . One of our favorite broadcasting people, **Jack Ruttle**, was promoted to senior vice-president and assistant to president **Murray Chercover** at CTV . . . **Leona Tomasz**, remembered from research at **Stephens & Towndrow**, now at **Peter Swain's** Media Buying Services . . . **Stu MacKay** of **Selkirk and John Larke** of **CHYM** Kitchener hit by heart problems; trust both are fine by the time this reaches print . . . **Brian Foley** is now a vice-president at All-Canada Radio & TV. And congratulations to his president, **Ross McCreath**, who won the 1979 *Ruth Hancock Memorial Award* as "friend of the industry". Like this writer, Ross was most overwhelmed by the presentation, because of affection for, and memories of, Ruth . . . One of the handsomer lads we put through the Humber Radio course during our time there was **George Bryson**—happy to learn his good looks are now on CKVR-TV Barrie . . . Another CCBA note: accolades to **Christina Turnpenny**, who, despite difficulty getting about as the result of a freak car accident, did such a fine job again looking after the ladies' events . . . **Ross Kentner** of CFOS Owen Sound introduced us to a very attractive young woman at the CCBA annual awards dinner, here from the U.S. to interest broadcasters in a computer system for traffic—her unusual name: **Klover Iverson** . . . Since the last issue of *BROADCAST TECHNOLOGY* in which we profiled **Jackie Rae**, his titles have changed somewhat: he is now v.p. and executive director of St. Clair Productions and of Eastern Sound—both have been acquired by Yorkville Studio Centre Ltd., of which **Jerry Zaludek** is president, and which, in turn, is owned by Bushnell Communications . . . CKAN Newmarket should soon be on the air, after more start-up problems than **Ralph Snelgrove** cares to recall . . . **Ward Cornell**, the one-time sportscaster who became Ontario High Commissioner in London, England, is now a business consultant (not broadcasting, necessarily) over 'ome, I'm told. Meanwhile, his daughter, **Susan Cornell**, who had held a key position with Jeanne Sauvé, only to see it disappear with the Liberal's defeat, is now director of communications for CCTA in Ottawa . . . The CAB's Canadian Communications Foundation and Broadcast Education Committee have each agreed to have representation from the Broadcast Education Association of Canada on their boards. Immediate BEAC past president **Lundy Sanderson** of BCIT Vancouver was appointed as the delegate . . . Give a hand to CKOY Ottawa president **Stu Brandy** for the big job he's doing for broadcasters on the study of possible changes in AM regulations—he's been all over the country on this volunteer assignment . . . This says something for how Standard Radio hangs on to its obviously happy employees: I'm told that for the recent Quarter-Century Club dinner **Don Insley** ordered 22 tickets! . . . And doesn't Don's very attractive wife, **Marni**, get more so with the passing years . . . Marketing's most able broadcasting columnist, **Sheri Craig**, should become a mother again about the time this makes print—the fifth child for Sheri and hubby **Rob Johnson**, a v.p. of Wilhurst Communications . . . **Cam Ritchie's** son, **Colin**, also at

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PRO (formerly BMI) is using a cane as a result of an auto accident which fouled up a hip—he'll be using the stick until summer. Seeing Colin chatting with **Michael Caine** at CCBA gave birth to an awful pun: "Look, Caine and dis-Abel!" . . . **Sheila Watson** of the Ontario Arts Council p.r. dept. arranges the personalities to be interviewed on our weekly *Arts in Ontario* program—now in its fifth year on some 27 Ontario radio stations. Sheila, pretty face, rosy cheeks and all, returned recently from a three-week holiday in her native Scotland. She and I have that in common—we were both born in Glasgow . . . We were personally thrilled that **Ed Prevost** got CHIC and CFNY-FM Brampton. First, Ed has a great track record as a top broadcaster, and secondly, this writer had the privilege of being on the team that worked with him in his application to the CRTC . . . **Mike Marshall** is at CKFH Toronto—the son of renowned sportscaster **Norm Marshall**, he had been at CFTR Toronto and at Hamilton . . . Speaking of broadcasters' offspring: we hear that **Debbie Walker**, daughter of **Bill Walker**, is going great guns in the news dept. of CKDK Woodstock . . . Whiz-bang are the reports on the fine job **Stan Larke** is doing as co-ordinator of the Radio Broadcasting course at Humber College . . . Quote from **Ray** (Western Broadcasting) **Peters'** open letter to Prime Minister Joe Clark: "It is the people of Canada who use and choose our services. These services should not be determined by regulators" . . . **Ron Devlon** became the new sports director for the CBC English network, succeeding **John Hudson**, now with Labatt's . . . Although broadcasting cannot carry cigarette advertising, **L. Edmond Ricard**, president and chief operating officer of Imasco Limited and chairman of Imperial Tobacco Limited, joined **Jean Pouliot's** team as a member of the CFCF Inc. board of directors . . . **Dennis Fitzgerald** became v.p. sales at CTV—he was formerly with All-Canada . . . **David Knapp**, who was with CBC news in Montreal and Ottawa, now housed in Toronto; he's a former RTNDA president . . . **Karen Coleman**, one of the many women now taking leadership roles in broadcasting, is news editor at CHLO St. Thomas—her husband is **J. Michael Phillips** . . . Don't apologize if you raise your rate card—it now costs close to \$13,000 for a four-colour full-page ad in *Readers' Digest* . . . **David Mintz**, the Global TV wunderkind, told me at a cocktail party that his early career included time as the morning man at WKBW Buffalo, competing against the legendary **Clint Buehlman** of WBEN—at that time the "Wally Crouter" of the Bison City . . . **Colin Godbold**, who was the CBC's Washington and UN correspondent, is now managing editor of CBC Radio network news . . . **Vincent Pons** is now regional sales manager at CFCF Montreal, while **Robert K. Whyte** is in charge of retail sales . . . **Philip Carter** is now a v.p. of Young & Rubicam, Toronto. **Guy Simard**, who was art director became creative director at the Montreal office . . . **Herm Harrison**, former Calgary Stampeder and member of the CKXL Calgary sales team for the past 10 years, is now 'XL's general sales boss . . . **J. Roger Hebert** became v.p. and g.m. of CHOI-FM Quebec; that's under the Tele-Capital umbrella . . . The Broadcast Executives Society could have a woman as president one day. **Anne Sarsfield**, media communications director for *Participaction*, is now third v.p. **Bob Alexander**, president of Alexander, Pearson & Dawson, is back for another term as president; **Roy Chernoff** of **McKim Advertising** is first v.p., and **Bill Stewart** of Global TV

second v.p. . . . **Sandra McLaughlin**, long-time staff member of Radio-Television Representatives Ltd., was appointed radio manager . . . **Mel Cooper** has appointed **Bill Hazell** to general sales manager and **Keith Dagg** as director of marketing at CFAV Victoria. All he needs now is a curator for all those *Soundcraft* awards CFAV keeps winning!


Business News . . . Big fiscal year for Baton Broadcasting: revenue increased from \$76.8 to \$89.8 million; profit from \$8.4 to \$9.7 million; revenue from air time was up by \$7 million or 18.7 per cent . . . CHUM also had a great year with revenue over \$56 million. And it all began with **Allan Waters** buying a floundering 1 kw sunrise-to-sunset station . . . At Standard Broadcasting, revenue went up from \$42.1 to \$48.7 million; profit from \$5.5 to \$7.2 million.

TVRO Boom . . . Mandatory licensing for receive-only satellite earth stations has been voted down by the FCC, ending red tape for U.S. cable TV operators and others seeking to receive satellite transmissions. It's not known how many prospective builders of receiver antennas will take advantage of the changed situation. Many cable systems will continue to register their antennas with the FCC to ensure protection from interference.


If you've got any industry news for *Broadcast Beat*, drop me a line at Suite 1601, 2350 Bridletown Circle, Scarborough, Ont. M1W 3E6—telephone 492-8115. That's where I've finally—and hopefully, permanently—settled.

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MISSISSAUGA: HOW RADIO COVERED THE DISASTER

At 11:52 pm on Saturday, November 10, 1979, a Canadian Pacific train, with tank car cargoes which included both propane and chlorine, derailed in Mississauga, a suburb just west of Toronto.

The resulting explosion and fire threatened to spread deadly chlorine gas throughout much of the sprawling residential community of 270,000. Emergency measures were immediately taken to evacuate residents, and some 223,000 persons left their homes, many for as long as a week. It was a massive operation by any standards and attracted world-wide interest—mixed with amazement that not one life was lost in the “disaster”.

Here is a run-down on how two radio broadcast organizations covered the event: one, CBC Radio's Toronto operations; the other, local privately-owned radio stations CHWO Oakville (just west of Mississauga) and its sister station, daytime-only CJMR, the sole radio station licensed to Mississauga.

LOCAL RADIO—CHWO/CJMR

Immediately after the explosion, the first of over 5,000 telephone calls to be received from listeners during the crisis began to come in to the CHWO

and CJMR studios. CHWO aired the first report at midnight—well before any other media. This was followed by a further report at 12:09.

At 12:14, CHWO had the first reporter of any media at the scene, arriving ahead of many of the emergency vehicles. A full fire call was issued by authorities at 12:40, and five minutes later CHWO aired a run-down of the situation; at that point, all residents within half a mile of the crash site were being evacuated.

From 1:00 am, CHWO carried almost continuous reports, originating the first live actuality broadcast from the scene. During those early morning hours, news director Roger Snowdon arrived at the site, as CHWO/CJMR's staff mobilized to cover the disaster—Bob Connolly, Heather McCormick, Judy Marsland, Mike Murphy and Betty Harrison were among the first to report. Their “scoops” included exclusive interviews with Mayor Hazel McCallion and other authorities. As evacuation of an ever-larger area was ordered—including Mississauga Hospital—the realization took hold that it was a major disaster, and even the lives of reporters at the crash scene were in jeopardy.

Throughout Sunday, regular programming was pre-empted and continuous updates aired. For CHWO/CJMR, complete accuracy was paramount: officials asked the stations to correct many erroneous reports by Toronto media—and even advised callers to listen to

CHWO/CJMR for accurate information. As the scope of the evacuation widened, the stations also served as a message centre for families who became separated and for announcements on cancellations of school, business and other activities in the community.

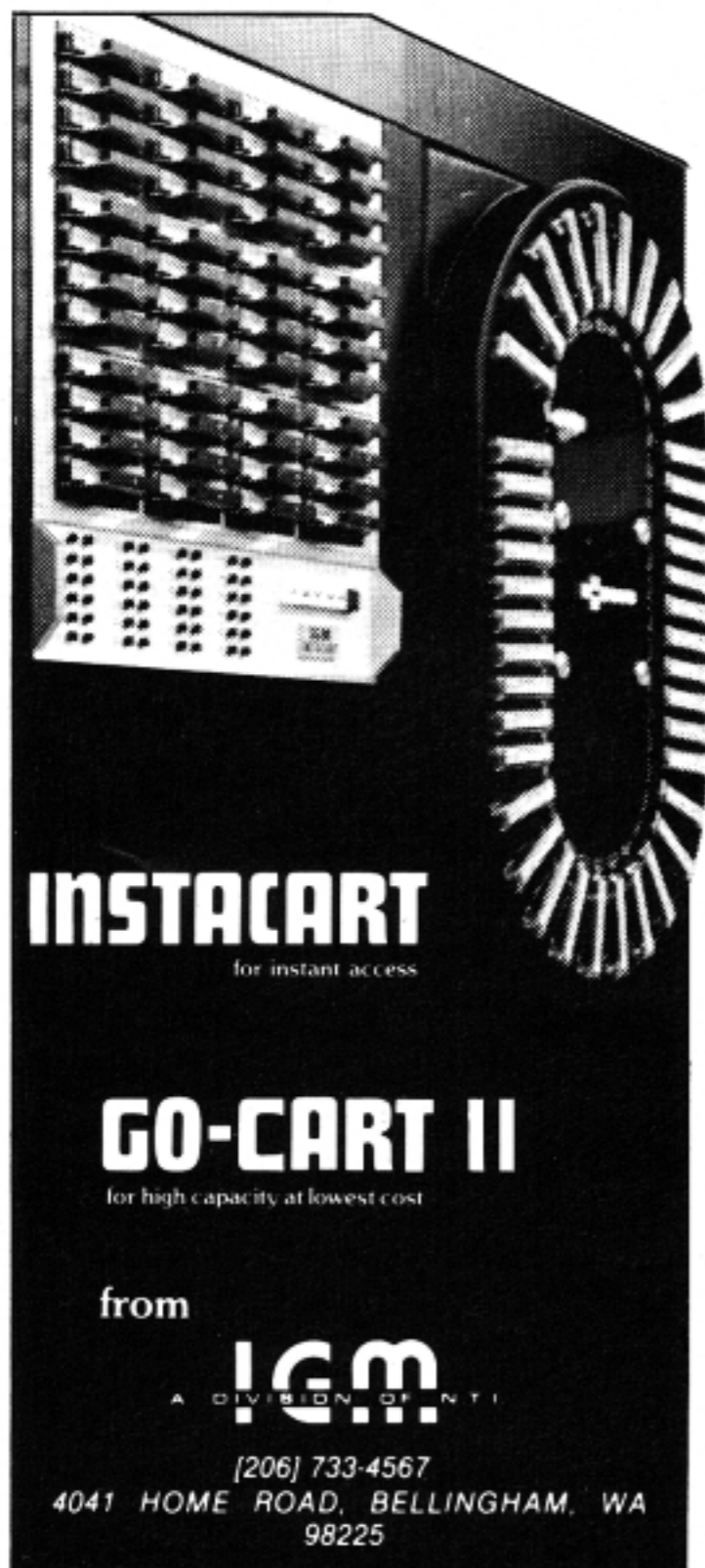
As the crisis continued into Monday, many CHWO/CJMR personnel had been covering the situation for up to 30 hours straight. Many were themselves evacuated from their homes, and slept on the floor at the station.

Concern was now focussing on the techniques that might be used to stop the leakage of the chlorine gas. In an attempt to obtain more detailed information about railway tank cars, a reporter visited Procor of Oakville, one of the country's largest manufacturers of tank transportation vehicles. By coincidence, Procor engineers were at that moment meeting with representatives of Dow Chemical and police authorities to design a plate to cover the 3-foot gash in the damaged chlorine tank car. CHWO/CJMR broadcast this important news at least 6 hours before other media picked it up.

Towards the end of the week, as the danger diminished and people returned home, CHWO/CJMR reporting efforts changed direction to provide information concerning financial and legal restitution. Questions were being asked about the cause of the accident and the moral issue of transporting highly toxic and flammable chemicals through urban areas.

The coverage of the Mississauga disaster by CHWO/CJMR received the praise of authorities and listeners alike for its high calibre, swiftness, accuracy and social responsibility. Over 29 miles of tape were used to record and get the story out to listeners—the result of over 800 work hours in that first week alone! CJMR had to evacuate as well and was fortunate to share the facilities of its sister station, CHWO. However, CHWO also had to have emergency evacuation plans: an emergency broadcast centre was established in Milton, 12 miles north of Oakville, by station engineers and Bell Canada, in the event that it became necessary to evacuate the main studio location and continue coverage from a safer vantage point.

All the media are to be commended for playing a major role in making the largest evacuation in peacetime in North America a controlled, calm, and accident-free exercise. —>



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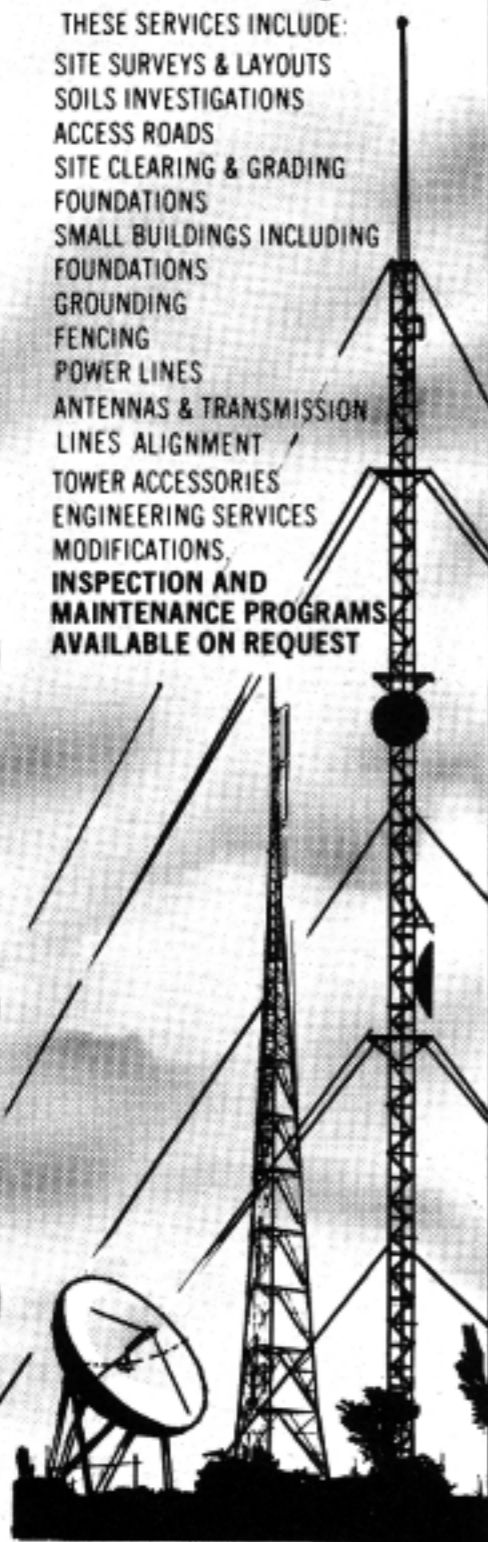
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Mississauga: How Radio Covered the Disaster

NATIONAL RADIO—CBC

by Helicia Glucksman

From the very beginning, at least two CBC men were at the derailment site at all times. One manned the news mobile, equipped with walkie-talkies, monitoring equipment, scanners and receivers for police, fire and ambulance broadcast frequencies. Another reporter was available to cover the press conferences held in the Command Centre—a Bell Canada storage building close to the derailment scene—and to search out stories from police and fire, Red Cross and CP officials.

Normally, CBC Radio's English AM station in Toronto, CBL, has no local programming on Saturdays and Sundays. However, as the magnitude of the Mississauga evacuation became apparent, program director Ann Hunter instituted round-the-clock coverage. A 'phone call to master control on Jarvis Street switched the feed from network to the local Parliament Street studios at 11:45 p.m. Sunday.

This special coverage, which ran almost non-stop for 48 hours, was indeed comprehensive. Evacuation boundaries, routes and emergency housing centres were broadcast regularly, as were remote reports from the disaster area. Three "hot-lines" were set up in the Parliament Street studio and manned around the clock by staff and Volunteers. Ann Hunter was one of the people who worked these phones and recalls two touching incidents. "One woman called and said she was sitting up in bed listening to the coverage and wondering if we had anything to eat. Even though CBC staff assured her they were fine, she wanted to make sure. At 3:30 Monday morning, she arrived with a huge box of donuts and sandwiches that she had made herself." Another call was from a desperate man who said he couldn't afford a hotel, had a dog with him, and had nowhere to go. While CBC was on the air with this man, a listener 'phoned offering to take the stranded Mississauga resident. As the CBC radio host and these two men discussed directions to the second man's home, it was revealed that the man offering his home was blind. "The response from the listeners was phenomenal," said Hunter. "They

were so glad we were there."

Many hours were spent by CBC people on and off the air. CBL announcer, Paul Kidd was on the air for 13 hours, non-stop. On Monday, *Metro Morning* hosts Joe Coté and Bob Leitch provided continuous live coverage of the evacuation, and news staffers from both *Radio Noon* and *Metro Morning* provided material for Bruce Rogers as cut-aways from CBC network's *Morningside*. Full coverage of the evacuation recommenced at noon and continued non-stop—with the exception of *As It Happens* and *World At Six*—throughout the afternoon and evening with Bruce Rogers, Barbara Smith, Gordon Jones and Henry Mannis. *Metro Morning* signed on again from the site Tuesday, November 13th, finishing the coverage with mini-documentaries recorded at the scene of the wreck.

Producer John McFayden said: "The phone calls from everywhere kept us going, because we knew there were people out there who needed us and people who just listened to keep up with what was happening." CBL had a loyal audience, and skywave signals were picked up by listeners as far away as Wisconsin, Manitoba, Vermont, Florida, and even California.

The *Toronto Sun* stated that CBC Radio performed "heroically, keeping citizens informed." The *Toronto Star* also commended CBC Radio coverage. But what would have happened if the derailment had occurred 20 minutes later in the heart of downtown Toronto? How would the CBC Radio staff mobilize if the Jarvis Street Master Control had to be evacuated? John McFayden says contingency plans would be implemented, with Bell Canada bypassing the Jarvis Street complex. All programs would go remote from other, safer locations. "Regardless of the disaster area," says McFayden, "we would broadcast, even if it meant going out and broadcasting from our transmitter in Hornby, 40 miles outside of Toronto."

Quick to answer the news call and complete in its coverage, CBC Radio was at its best in the Mississauga emergency.

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28 JANUARY/FEBRUARY 1980

in the news

30 YEARS FOR CJRT-FM

Non-commercial FM station CJRT Toronto observed 30 years of broadcasting recently. The station went on the air in November, 1949, from the old Ryerson Technical Institute. It was largely the result of the efforts of the late Eric Palin, John Barnes (now of CBC-TV), and engineer Andy Kuflik.

CJRT Inc., a non-profit corporation, now owns and operates the station, which is planning to move its antenna from the CBC tower to the CN Tower in the near future.

\$2 MILLION (CDN) TO PBS

Nearly \$2 million a year is subscribed by 100,000 Canadian viewers to support public broadcasting stations along the border. PBS stations reach some 3 million Canadian homes—75% by cable.

Representatives of 11 PBS border stations from Maine to Washington met in Toronto and Ottawa recently to explore increased collaboration with Canadian program producers. The stations hope to carry more Canadian material, some of which could be fed via satellite to other PBS affiliates.

CHOIR COMPETITION

Entries are being invited for the third annual Canadian Church Choir Competition sponsored by Maclean-Hunter Cable TV Ltd. A total of \$12,000 in prizes will be awarded in 19 different categories. Videotaped entries are to be submitted, preferably through local cable companies, by April 30, 1980.

PAPER ON FIXED RELAYS

A discussion paper has been prepared by DOC on the use of broadcast channels for point-to-point feeds for broadcast repeaters. The department has been receiving an increasing number of applications for this non-standard use of broadcast spectrum for relay purposes, and believes it may, in time, adversely affect extension of services.

Copies of the paper, entitled *Use of Broadcasting Spectrum Allocations for Fixed Relays in Support of Broadcasting Operations*, may be obtained from Information Services, Department of Communications, 300 Slater Street, Ottawa, Ontario K1A 0C8 or from DOC regional offices in Vancouver, Winnipeg, Toronto, Montreal and Moncton.

FIRST 2-WAY CABLE TEST

The first two-way cable TV program in Canada was aired December 17 by Canadian Cabelsystems Ltd. in London, Ontario.

A 90-minute program introduced the test to 175 subscribers of London Cable TV, who have been provided with home terminals. The terminals allow subscribers to respond to opinion polls simply by pressing a button, results being displayed within 30 seconds. Other two-way services being tested are smoke detection, data on TV viewing habits of subscribers, and technical monitoring of signal quality by the cable system.

"NEWS FROM HOME"

More than 120 cable systems throughout the United States are now carrying *News from Home*—a weekly TV newscast for Canadians. Produced by Global TV and Satellite Programme Services, the show is distributed via RCA's Satcom I satellite for airing Tuesdays at 6:30 pm, with a repeat Wednesdays at 9:00 am.

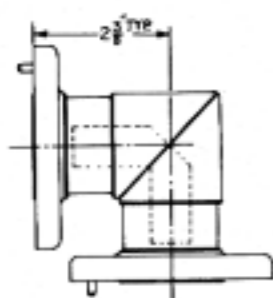
LIVE FROM ATLANTA

An estimated 25 million radio listeners tuned in to a recent rock concert in Atlanta, Georgia. Described as the largest live rock broadcast in history, the concert was mixed and transmitted in stereo by a sophisticated mobile studio, and distributed by AT&T via both satellite and lines. The only Canadian station to carry the program was CHUM-FM Toronto, which hailed the event as a step towards simulcasting of rock concerts on both FM stereo and TV.

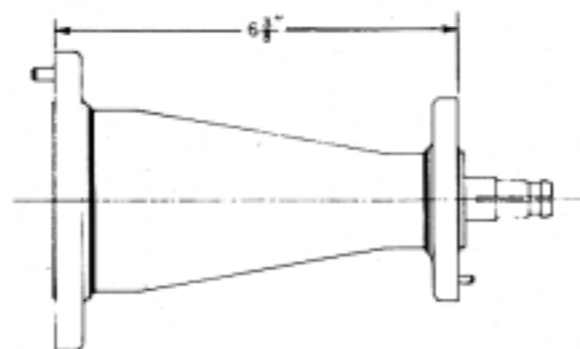
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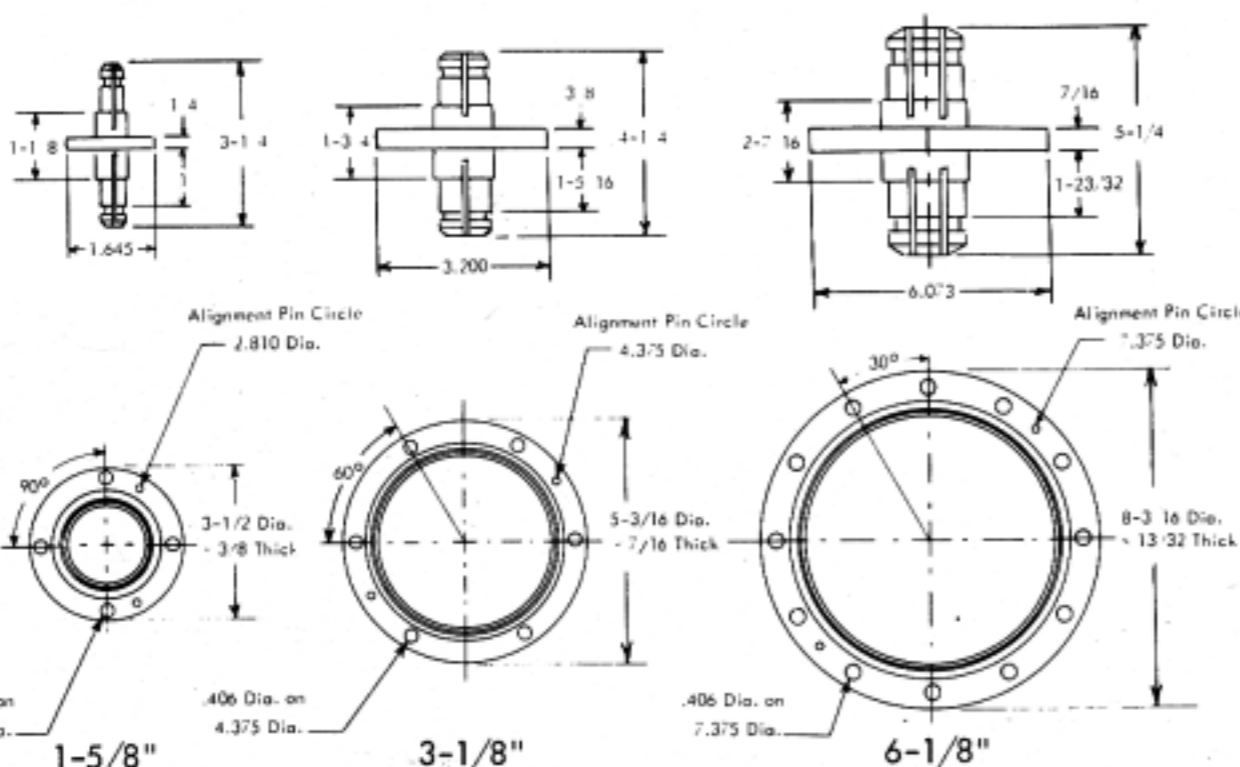


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business report



Photo shows interior of mobile unit constructed by Ontario Motor Homes for CHIN Radio in Toronto. The Itasca 26RG Winnebago unit has been remodelled to provide reception area and soundproof studio having large double-glazed windows on three sides, lead sheeting on fourth. Generator compartment is also lined with lead to isolate noise. CHIN engineer Trevor Joyce says self-driven vehicle replaces trailered unit, providing greater mobility for on-location broadcasting.

CANADA

- **Alan Dick (Canada) Inc.**—new company is successor to EMI Technology Ltd., will design, supply and install antennas and towers for North American broadcast market. Ray Tattershall continues as president. (see also International report).
- **Audio Video Systems**—Saskatoon-based AVS has expanded its offices to Edmonton, Regina (809 Victoria Ave.) and Winnipeg (1294 Border St.), where Greig Wood is district manager.
- **Broadcast Video Systems**—supplying waveform and vector monitoring, sync and video processing and distribution equipment, also two McCurdy consoles, on lease to CTV network for use at Winter Olympics at Lake Placid, N.Y. BVS also supplied all video delay lines to be used by NBC for the 1980 Summer Olympics in Moscow.
- **Bruel & Kjaer Canada Ltd.**—noise measurement firm offers free "noise thermometer chart" showing typical sound levels from 0 to 140 dB. Address: 90 Leacock Road, Pointe Claire, Quebec H9R 1H1.
- **Cablecasting Ltd.**—has purchased cable and pay TV rights in Atlanta, Georgia, from Cox Broadcasting for \$5.5 million; plans to spend \$20 million to expand existing system of 8,000 subscribers to potential of 180,000.

● **Cantel Engineering Associates**—awarded \$62,000 contract by Aluminum Co. of Canada for satellite receiving and FM/TV transmitting facility at Kemano, B.C. site of ALCAN power plant. System, scheduled to be completed by Christmas, is ninth such installation by Cantel, based in Vancouver and Calgary.

● **Comad Communications**—supplied McMartin B950T 50-watt transmitter, with 2-bay Phelps-Dodge antenna and associated studio, monitoring and transmission equipment, to CFRU-FM at University of Guelph, Ontario, which is to go on-air January 28th. Also, McMartin BF10K 15 kw transmitter, together with Shively 10-bay antenna, transmission line and monitoring equipment, to CKAT North Bay, Ont., which has increased power to 68 kw ERP, upgraded facilities and co-sited with two CBC FM stations, to overcome IM problems.

● **Crosspoint Video Ltd.**—now located at 64 Shorting Court, Shorting Road, Scarborough, Ont. M1S 3S3; telephone (416) 298-6199.

● **Electro & Optical Systems**—appointed exclusive eastern Canada distributor for the Telemation division of Bell & Howell, Salt Lake City, and for Arvin-Echo of Mountain View, CA. E&O also reports that Télé-Métropole of Montreal has taken delivery of the first Quantel digital production unit in Canada. It is interfaced with a CDL 480 switcher and CMX editing system.

● **Glentronix (1977) Ltd.**—appointed distributor for Scientel Ltd., Laval, Quebec, Manufacturer of sideband analyzers. An initial order of 12 ABL-SV units has been placed by the CBC.

● **IEEE Conference**—1979 Toronto show attracted over 12,000 professionals, with 180 exhibitors representing more than 350 companies. Most outstanding exhibit award went to **Rusint Electronics & Sales Canada Ltd.** of Ottawa, and most outstanding product was the 5500 audio distortion measurement system by **Amber Electro Design** of Montreal. Chairman for the 1981 conference will be L. C. Simmonds, president of **A.C. Simmonds and Sons Ltd.**, Pickering, Ont.

● **Harris Corp.**—recent TV transmitter sales include installations by Radio Nord (25 and 10 kw at Rouyn, 10 kw at Lithium Mines) and Radio-Québec/ORTQ (25 kw at Rouyn, 25 kw at Lithium Mines) in northwestern Quebec.

● **Immad Broadcast Services**—have installed new FM transmitter facility for CBC at Peterborough, Ont.

● **Infomart**—will spend \$6 million to develop information packages for videotex technology. Venture is jointly owned by two of Canada's largest newspaper publishers, Southam and Torstar.

● **McClea Place Studios Ltd.**—has purchased RCA recording studios at 225 Mutual Street, Toronto. Principals are Bob Richards and Phil Sheridan; key RCA personnel will remain with the new operation.

● **Northern Telecom**—will spend \$5.5 million to expand Calgary plant producing digital switching equipment.

● **Phillips Cables**—has purchased wire and cable operations from Northern Telecom and ITT Industries of Canada.

● **Premier Cablevision**—changing name to Premier Communications Limited. Subsidiary Premier Communications Network, Inc. will market Home Box Office (HBO) pay TV package in San Francisco area to potential 300,000 subscribers.

● **Tele-Radio Systems**—appointed exclusive Canadian distributor for Coastcom of Concord, CA., makers of subcarriers and duplexers for terrestrial and satellite applications.

● **3M Canada**—will market videocassettes for VHS format VCRs.



CHUM-FM Toronto and Tri-Tel collaborated on recent promotion for Onkyo and Maxell. From left, Hank Gruenstein, Tri-Tel sales manager, Linda Store and Rich Hodge of CHUM-FM.

● **Tri-Tel Associates Ltd.**—introducing AAL line of speakers to Canada, produced by American Acoustics Labs of Chicago.

● **Yorkville Studio Centre Ltd.**—has acquired St. Clair Productions Ltd. and Eastern Sound Co. Ltd. from Standard Broadcasting. Formerly Cine-Tape Associates, Yorkville also encompasses VTR Productions Ltd., The Video House and Yorkville Studios, Toronto. All are now owned by Bushnell Communications, a subsidiary of Standard.

appointments



Halena



Cornell



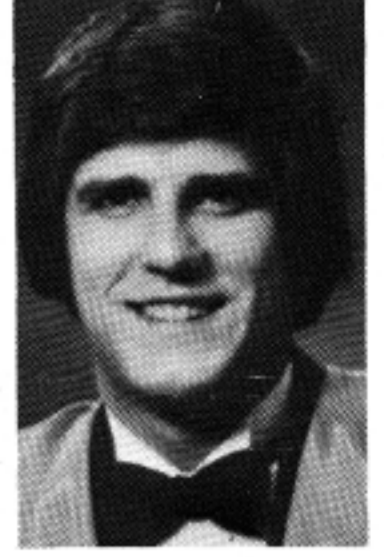
O'Brien



Nuttall



Duggan



Terris

• **Jay A. Clark**, previously with Rockwell International, has been appointed director of public relations for **Ampex Corp.**, Redwood City, CA.

• **Joseph W. Halena**, most recently director general of research policy at the Department of Communications, has been named executive director of the **Cable Telecommunications Research Institute (CTRI)**, based at CCTA headquarters in Ottawa. (For details of the cable TV research program, see Maurice Evans' Around & About, BT, Nov/Dec/79, page 53.)

• The **Canadian Cable Television Association** has appointed **Susan Cor-**

nell as director of communications. Previously with DOC, Ottawa, she replaces **Terry McLaughlin**, who resigned in September.

• **Lise Ouimet** has returned to the **CRTC** to become executive director, broadcasting. She took a year's leave of absence to attend a course on international affairs at Kingston, Ont.

• At **Cetec Broadcast Group** in California, **Kenneth M. Leondar** has been named v.p. and g.m., **James Olvar** is v.p. and operations manager for Cetec antennas, and **Hugh P. Wilcox** is engineering manager responsible for product design and development.

• **CFCN-TV** Calgary has appointed **Terry Coles**, formerly with Mid-Canada TV in Timmins, Ont., to v.p. and g.m.

• **CFVR** Abbotford, B.C., has named **Peter Alpen** general sales manager and **Ted Schellenberg** promotion director.

• **CIXX-FM**, the Fanshawe College station in London, Ont., has named

Garry O'Brien, formerly of CKLC Kingston and CFGO Ottawa, as operations manager.

• **Harvey Gold** has been appointed general sales manager at **CKOY/CKBY-FM** Ottawa.

• **CKVU-TV** Vancouver has promoted **Paul Nuttall** to v.p., marketing, and **Barry Duggan** to v.p., finance and administration.

• **James H. Fisher, Jr.** is now southwest regional manager for **Coastcom**, in charge of sales in Arizona, New Mexico, Oklahoma, Texas and Louisiana.

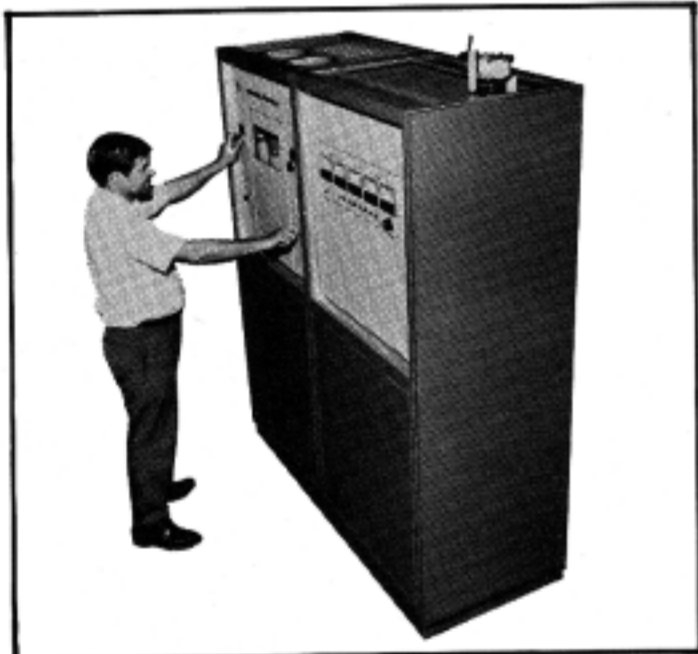
• **Gerr Electro-Acoustics**, Toronto, has appointed **Rob McKibbin**, formerly of BSR, as sales manager.

• **Steve Terris** has joined **Gould Marketing Co. Ltd.** of Montreal as Ontario sales representative.

• At **Northwestern Technology, Inc.** (NTI), Bellingham, Wash., **W. Donovan Schutt** has been named president, while **E. C. Burkhart** remains as chair-

QUALITY TALKS FOR CJAD

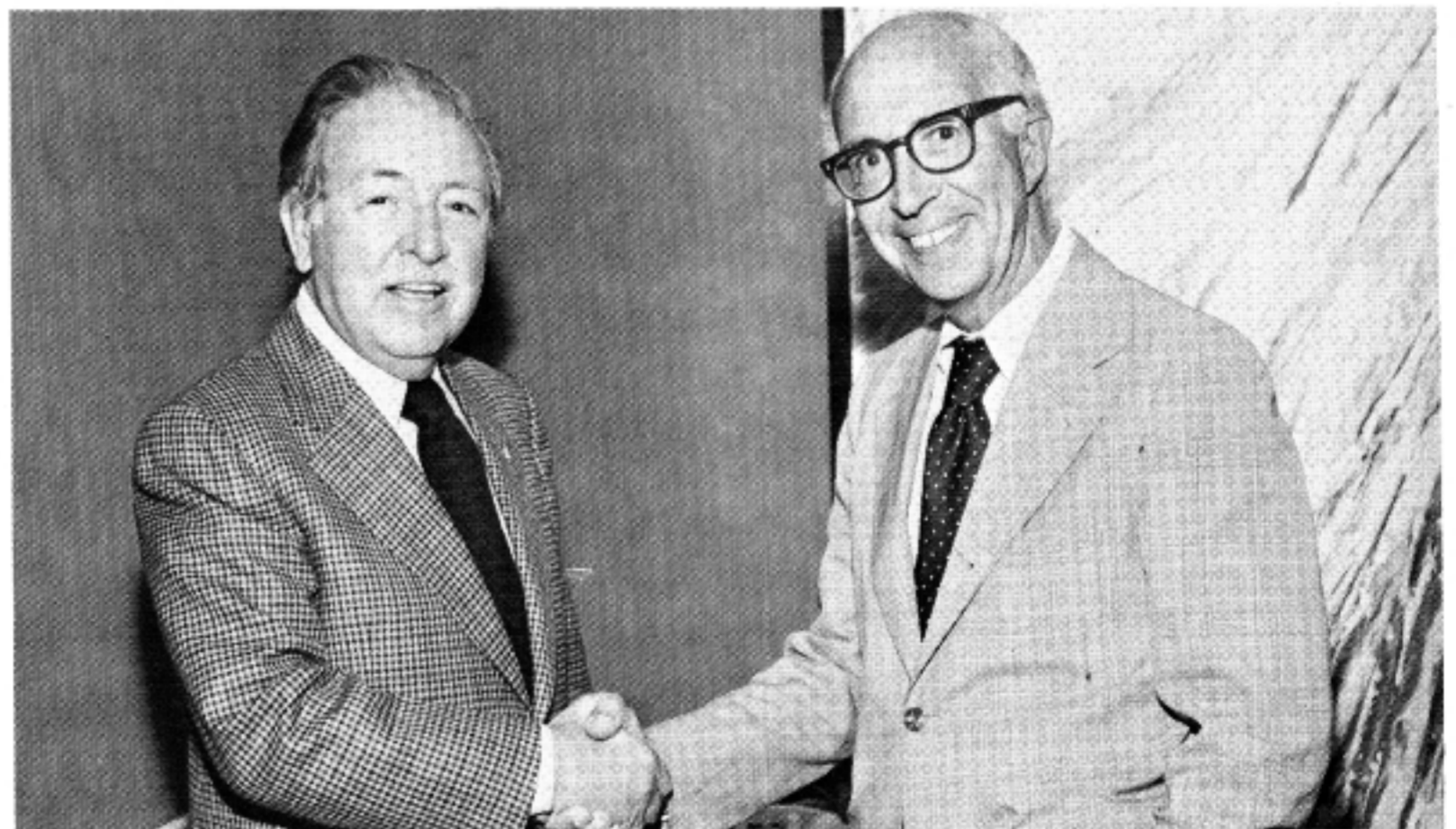
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Continental Electronics



J. Lyman Potts (left) is welcomed by **U. V. (Bing) Muscio**, president, to Muzak's Board of Scientific Advisors. Potts, who founded the Canadian Talent Library in 1962, becomes the first Canadian to serve on the board, which studies the effects of programmed music on human performance in a variety of settings.

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48 JANUARY/FEBRUARY 1980



Davis



Bensley



Jank



Moffat



McElligott

man. **Darrell Wichers** has been promoted to sales manager of the IGM division.

• **N. Sakoda** has been promoted to president of the **US JVC Corp.**, New York, replacing **S. Hori**, who assumes new duties at Victor in Japan.

• **KVOS-TV** Bellingham, Wash., has promoted **Doug Davis** to president, **Jim Bensley** to v.p., western sales, and **Frank Jank** to v.p. and g.m.

• **Magnasync/Maviola Corp.** has promoted **Albert Campeas** to v.p., finance, while **Luther R. Marrs** joins the company as national field service manager.

• **Randall L. (Randy) Moffat**, chairman of **Moffat Communications Ltd.**, has assumed the post of president of the company, which operates **CKY-TV** Winnipeg and eight radio stations in western Canada. He will also serve as president of **Winnipeg Videon Ltd.** The reorganization follows the recent death of **Ron Mitchell**.

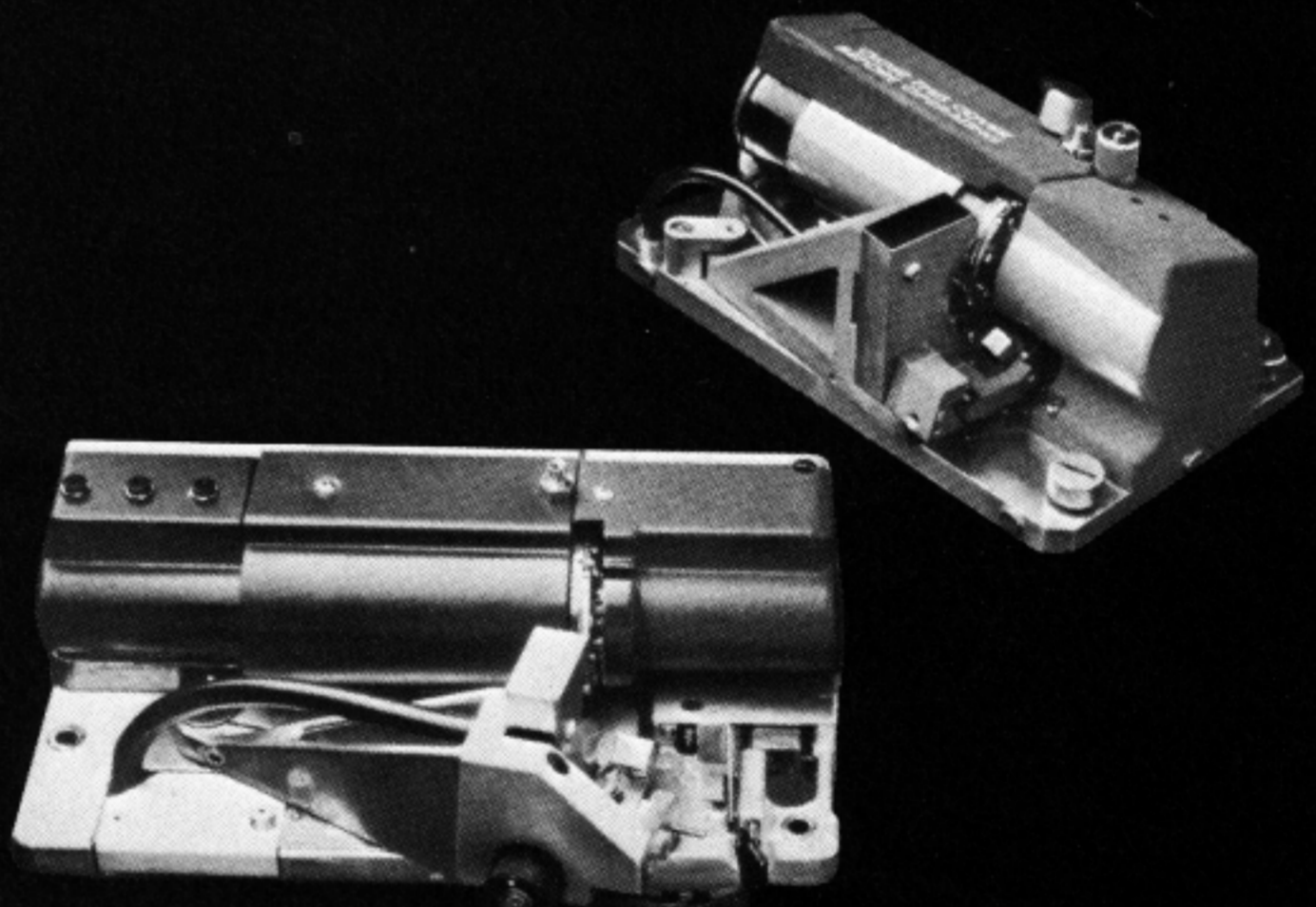
• **RCA International Ltd.** has promoted **Jack E. Banister** to v.p., Broadcast Systems, for Europe, Africa and the Middle East. Based in the U.K., he succeeds **Patrick J. Murrin**, who has retired after 29 years with RCA.

• At **Sony Video Products** in NYC, **John C. O'Donnell** has been appointed manager, product support services, and **Robert Mueller**, manager of national market development.

• **Jack McElligott** has been named manager of the Montreal office of **Standard Broadcast Sales (SBS-TV)**.

• Two appointments at **Times Fiber Communications**: **Dr. Richard Green**, formerly with **ABC-TV**, becomes director of engineering for fiber optics; **Dr. Douglas A. Pinnow** becomes director of optical fiber research and development.

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directions

A review of current policies and decisions of the Canadian Radio-Television and Telecommunications Commission.

PUBLIC HEARINGS

The following public hearings have been scheduled for 1980. Those planning to attend hearings should verify details in case of last-minute changes.

- February 5—** Montreal
Le Meridien
- February 18—** Amherst, N.S.
Wandlyn Inn
- February 21—** Halifax, N.S.
Citadel Inn
- March 3—** Medicine Hat, Alta.
Westlander Inn
- March 6—** Edmonton, Alta.
Edmonton Plaza
- March 18—** Toronto, Ont.
Park Plaza Hotel
- May 6—** Hull, Que.
Conference Centre
- May 13—** Winnipeg, Man.
North Star Inn
- June 3—** Hull, Que.
Conference Centre
- June 10—** Kelowna, B.C.
Capri Motor Hotel

APPLICATIONS WITHDRAWN

CBC applications for an FM rebroadcaster at Atikokan, Ont., and for a rebroadcaster of CKNX-TV at Owen Sound, Ont., originally scheduled for the hearing in Hull, Que., on October 2, 1979, were withdrawn prior to the hearing.

NOV. 20—HULL, QUE.

Eight requests for community FM radio stations in Quebec were among the applications heard at the November 20 Hull hearing.

Although the filing of applications was not completed until after the recent CRTC "freeze" on FM (imposed to allow the CBC time to complete a study on the utilization of frequencies), the Commission decided to consider them on the basis that specific frequencies will not be assigned until the FM allocation plan is finalized.

The applicants are:

- La Radio du Pontiac, Inc., Fort Cou-

longe, for 159 watts on 93.5 MHz at Chapeau; 3 kw on 101.7 at Ft. Coulonge; and 35 w on 94.3 at Rapide des Joachims.

- Radio Communautaire de Châteauguay (CHAI-MF), for 50 w on 102.9 at Châteauguay.

- Radio Communautaire de Fermont Inc., for 50 w on 103.1.

- Radio Communautaire FM de la Haute-Gatineau Inc., for 2,877 w on 95.7 at Maniwaki.

- Radio Communautaire du Bas St-Laurent Inc., for 2,080 w on 104.5 at Rimouski.

- Radio Communautaire MF de Senneterre Inc., for 50 w on 89.9

Other applications:

- CBC, for TV rebroadcasters at Fort Rupert (10 watts on channel 12, ex-CBMT); Mont Saint-Michel (3 kw on ch. 16, ex-CBFT); and Notre-Dame-du-Laus (10 w on ch. 10, ex-CBFT).

- Télémedia, for a network to carry *Nordiques* hockey broadcasts on CKCV Quebec City and 18 other AM stations.

- Pierre Vachon, to acquire CJSO Sorel, Que., from Radio Inter-Cité (1978) Inc.

- Jaljase Inc., to acquire CJAL Rang St-Gregoire, Que., from Co-op Agro-forestier.

Cable TV:

- Transfer of Cablevision du Nord, Val d'Or, Quebec, to Roland Hamel, Jacques Bordeleau and Henri Lavoie.

- Transfer of the cable system in St-Philippe-de-Néri and Mont-Carmel from François Dionne to Cablodistribution Dionne Inc. The system would be interconnected with Chouinard TV Ltée, La Pocatière, the present antenna site abandoned, and the service area would be extended.

- Transfer of the system at Ste-Marie, Beauce County, from Leo-Paul Côté to Télécâble Ste-Marie Inc.

- Cablovision Warwick Inc., to amalgamate its system in Kingsey Falls with Warwick, abandoning the antenna site and extending the service area.

- Transfer of the system in St-Jovite and Mt-Tremblant, Que., from Denis Filion (Télé-Laurentides Enrg.) to Filion Cable-Vision Inc.

- City Cablevision Ltd., Fredericton, N.B., to add two head-ends in conjunction with a proposed microwave system, and extend its service area.

NOV. 27—SASKATOON

Four cable systems in Saskatchewan ap-

plied to add a distant head-end at Oxbow, Sask., effecting changes in U.S. stations received via microwave, along with other amendments. The systems are located in Moose Jaw, North Battleford, Regina and Saskatoon.

NOV. 29—VICTORIA, B.C.

CH. 10 AVAILABLE?

Over three years ago, the CRTC ended a long and lively debate about the disposition of channel 10 in the Vancouver-Victoria area by granting the last VHF channel to the CBC for a station in Victoria.

The CBC proceeded to install transmitting facilities, but budget cut-backs postponed studio construction. The CRTC refused to allow the CBC to operate the station on full power as a rebroadcaster of CBUT Vancouver, and at a hearing on June 19, 1979, the CBC stated that the growth of cable had lessened the need for a CBC-TV station in Victoria and that it could not proceed with the operation of channel 10.

To improve local coverage, the CBC plans more news and information from Vancouver Island on CBUT. It also plans to apply for a radio station in Victoria which would produce 25 hours a week of local programming.

In addition, TV rebroadcasters of CBUT would be established, after which CHEK-TV Victoria could disaffiliate from CBC.

The Nov. 29 hearing was called to give interested parties an opportunity to express their views on the provision of CBC service and on programming requirements for Victoria and Vancouver Island. The CRTC said it would also hear views on possible uses of channel 10.

DEC. 3—HULL, QUE.

2 SEEK CORNWALL AM

Bids for a new English radio station at Cornwall, Ont., have come from Centrex Broadcasting (2.5 kw on 1600 kHz) and Gerald P. Lalonde (10 kw on 1590 kHz). Also in contention is daytime French-language station CFIX (10 kw on 1170), which filed for full-time, 10 kw on 1600 kHz.

Also heard:

- CHOW Welland, Ont., for a nighttime power increase to 10 kw.
- Canada All-News Radio Ltd., for a network to broadcast 80 hockey games of the Toronto Maple Leafs on CKO-FM Toronto, CJNH Bancroft and CJTN Trenton, Ont.

directions

DEC. 3—PRINCE GEORGE CABLE FOR B.C. NORTH

Applications for new cable systems in northern British Columbia dominated the Prince George hearing. The applicants were:

- Morgan Anderson—Dawson Creek and Fort St. John
- Ronald A. East—for Mackenzie, Chetwynd, Dawson Creek and Fort St. John.
- Fort St. John Cablevision Video Ltd.—for Fort St. John.
- Northern Lights Communications Systems Ltd.—for Dawson Creek and Chetwynd.
- Peace River Systems Ltd.—for Fort St. John, Dawson Creek, Chetwynd and Mackenzie.
- Donald Pearson—for Fort St. John.
- Radio Station CJDC Ltd.—for Dawson Creek.
- 5440 Cable Ltd.—for Fort St. John, Dawson Creek, Chetwynd and Mackenzie.

Also heard was an application for transfer of control of Q Broadcasting Ltd., which would give 20% of voting shares to each of five shareholders: R. L. Cliff, G. B. McKeen, J. E. Stark, A. F. Tatum and the estate of A. B. Cliff. Bellman Investments Ltd. would hold all 1st preferred shares and Morrison Steel & Wire Co. all 2nd preferred shares.

DEC. 4—SUDBURY BID WOULD COMBINE NORTHERN ONTARIO TV

A sweeping reorganization of broadcasting in north-eastern Ontario has been proposed by Northern Cable Service of Sudbury. It would bring together J. Conrad Lavigne Ltd. (CFCL/CFCL-TV Timmins, CKNC-TV Sudbury, CHNB-TV North Bay and rebroadcasters), Ottawa Valley TV (CHRO-TV Pembroke), and Cambrian Broadcasting Ltd. (CKSO-TV Sudbury, CKNY-TV North Bay and rebroadcasters).

Radio Stations CKSO/CIGM-FM Sudbury would be sold by Cambrian to a new company headed by its president, William Plaunt.

Principals of Northern Cable, which operates cable TV systems in Sudbury and Timmins, include Baxter Ricard, president of Sudbury Broadcasting (CHNO, CFBR and a newly-licensed FM station) and Geoff Conway, president of CUC Ltd. (Scarboro Cable TV, Toronto). J. Conrad Lavigne and his associates would also be prominent in the new organization, with Ron Goswell becoming its president.

RADIO GROUP SOLD

Also considered by the Sudbury hearing was the transfer of CJCS Stratford, CKMP Midland and CFOR Orillia from Ranger Communications Ltd., and CFCH/CKAT-

FM North Bay and CKGB/CFTI-FM Timmins from Northern Broadcasting Management Ltd., to 93238 Canada Inc., a company controlled by Philippe de Gaspé Beaubien. If these applications are approved, Ranger would also sell CKDK Woodstock, Ont., to Gordon V. Marratto.

DECISIONS

AM Radio

BRAMPTON SALE TO CJMS APPROVED

Purchase of CHIC/CFNY-FM Brampton, Ont., by CJMS Radio Montreal has been approved by the CRTC.

The stations were placed in receivership last April by court order, as a result of criminal proceedings against the controlling shareholders.

The offer by CJMS, at approximately \$2.5 million, was one of seven bids received. It was accepted by Clarkson Co. Ltd., the receiver, and subsequently brought before the CRTC. A minority of commissioners dissented from the decision, arguing that, under the circumstances, competing applications should have been heard.

CJMS, a subsidiary of Civitas Corp., has undertaken to provide "modern, technically-sophisticated facilities" under one roof for both stations, at a cost of \$500,000, and expects to absorb losses of \$1 million over the next three years.

While new promises of performance are to be submitted at licence renewal time, the current orientation of CFNY-FM—with its "high level of spoken word content and musical diversity"—is to be maintained.

NEW STATIONS FOR WEST

In other AM approvals, the CRTC has licensed two new stations in western Canada:

- **Winkler-Morden, Manitoba**—10 kw day/1 kw night on 1530 kHz, to Sun Valley Radio Inc. The station is to provide a high degree of local news and information, and is to commence operations by October 15, 1980.

- **Grand Centre, Alberta**—250 watts on 1340 kHz, to OK Radio Group Ltd. It will rebroadcast CIOK St. Paul, Alta.

An application has been received for a new AM station at **Nanaimo, B.C.** A public hearing will be held to consider this and any competing applications received by the CRTC prior to the deadline of December 17, 1979.

FM Radio

FM FOR SEPT-ILES

A new FM station has been licensed to Clément Gagnon, representing a company to be incorporated, at Sept-Iles, Quebec.

Operation on 94.1 MHz with a power of 82,500 watts is subject to confirmation under DOC's amended allocation plan for FM frequencies in Quebec. The first local commercial FM, the station will emphasize local and regional news.

Other FM decisions:

- New French-language community FM for Montreal approved in principle. A 10-watt station on 99.9 MHz was proposed by Radio Maisonneuve, however another frequency must be found, as 99.9 is incompatible with CIME-FM Ste-Adele.

- CIME-FM Ste-Adele—change of transmitter site, rebroadcaster at Val Morin, Que. (3.9 watts on 104.9 MHz) approved.

- CJMF-FM Quebec City—change of tx site with reduction in power from 70 to 48 kw on 93.3 MHz approved.

- CFMX-FM Cobourg, Ont.—renewed to Sept. 30, 1981. In its decision, the CRTC reviewed the difficulties experienced in getting the station on the air, and concluded that the licensee "made a reasonable effort" to meet his commitments. A minority of the commissioners dissented from this decision, holding the view that the licence should have been surrendered when the station did not commence broadcasting by the date stipulated.

- Prince George, B.C.—FM station previously approved for CKPG permitted to operate on 101.3 MHz with 3.5 kw, on an interim basis; 101.3 is Class C channel and station will increase power at a later date.

- CKWX Vancouver, B.C.—new FM, previously approved, will operate on 92.1 MHz from site on Saltspring Island.

- CKOZ-FM Corner Brook, Nfld.—ban on soliciting local advertising deleted; licensee is to maintain a full-time reporter in Corner Brook and provide programming of interest to the area from originating station, CHOZ-FM St. John's.

Television

MORE "CANADIANIZATION" FOR CBC-TV NETWORKS

Consultation between the CRTC and the Canadian Broadcasting Corporation have resulted in an agreement for increased Canadian content on the CBC English and French TV networks.

Prime time (8:00-11:00 p.m.), schedules are to include only Canadian programs or "outstanding foreign programming other than programs scheduled primarily for commercial reasons". In a letter to acting CRTC chairman Charles Dalfen, CBC president A. W. Johnson agreed that CBC should purchase "only the best foreign programs". However, it is unclear when this policy will take effect: Johnson noted in his letter that "these objectives will require time and additional resources".

CHAU-TV TO CARRY TVA

In a public announcement reviewing hearings held in Campbellton and Moncton last June and July, the CRTC states that it is now time for the CBC and CHAU-TV to act on improving French-language TV services for northeastern New Brunswick and the Gaspé peninsula.

The objective is that the CBC provide full service to northeastern N.B. (from Moncton) and to the Gaspé (from Matane), and that CHAU-TV Carleton, now a CBC affiliate, extend the TVA network to both areas. All services are to be on VHF channels.

At the Moncton hearing, the CRTC proposed a plan for the allocation of VHF channels. CHAU-TV also outlined a plan to provide TVA service on VHF channels, but offered to revise it in line with the CRTC plan, and CBC requirements.

The CBC proposed moving its rebroadcaster on channel 3 at Neguac to Allardville, increasing power from 550 to 45,000 watts, to cover the Gaspé and Bathurst, N.B. However, additional rebroadcasters would be required at Campbellton and Dalhousie. The CRTC approved the power increase, with the stipulations that the CBC submit applications by January (1980) to complete service to the area, and that it meet with CHAU-TV to work out a plan for optimum utilization of VHF channels.

CHANNELS FOR NW QUEBEC

Applications have been submitted by Radio Nord Inc. and the Quebec Broadcasting Bureau for channels to extend service in northwestern Quebec, as follows:

- **Rouyn-Noranda**—CFEM-TV (TVA), power decrease to 166 kw on ch. 13; ORTQ, 143.2 kw on ch. 8.
- **Lithium Mines**—CFEM-TV-1, power increase to 59.5 kw on ch. 10; CJDG-TV (CBC), power increase to 60 kw, changing from ch. 8 to 7; ORTQ, 130.6 kw on ch. 12.
- **Lebel-sur-Quévillon**—CJDG-TV-2, 5w, change from ch. 12 to 11.
- **Joutel**—CJDG-TV-3, 148 w, change from ch. 12 to 11.
- **Matagami**—CJDG-TV-4, 64 w, change from ch. 7 to 9.

Approved:

- **Fox Harbour, Nfld.**—power increase to 10 kw for CBNAT-10.
- **Dauphin and Mafeking, Man.**—introduction of local service from CKX-TV studios in Dauphin.
- **Brooks, Alta**—change of tx site for CFCN-TV-3.
- **Chetwynd, B.C.**—CBC rebroadcaster (ex-CJDC-TV Dawson Creek), 16 w on ch. 7.
- **Dawson Creek, B.C.**—local rebroadcaster (ex-CFRN-TV Edmonton), 10 watts on channel 8.

Cable Television

APPLICATIONS CALLED

The CRTC has called for applications for cable TV licences at Headingley, Manitoba, and certain areas of Saskatchewan. Applications for Headingley, where the Manitoba Telephone System plans a field test of new services (*see article Project Ida in BT, Sept/Oct/79*) are expected to accommodate and continue such services; deadline is February 4, 1980. Applications for locations in Saskatchewan within the A and B contours of CTV affiliates are due April 30.

CHANNEL RULES EASED

The CRTC has announced that, effective December 4, 1979, the specific channels on which signals are to be carried will no longer be a condition of licence. This change will, "in the vast majority of cases", eliminate the need to apply for amendment of licences for channel conversions.

Licensees are still required to follow regulations regarding the priority of signals; must obtain authorization to carry non-required signals; and are expected to cooperate in using uniform channels, where practicable. However, licensees may now select the specific channels for non-required signals and simply inform the commission of any changes.

SPECIAL EVENTS

The CRTC has clarified its April 18, 1979, circular #250 re: requests for temporary carriage of special events. Only when an authorized signal is altered or curtailed, does this constitute an amendment to licence, requiring 60 days notice. For example, a telethon on an authorized Special Programming Channel requires no further approval from the Commission.

Other Cable TV decisions:

- **North Shore Community TV, Campbellton, N.B.**—approval given to add a second commercial U.S. signal; system is to add CBAFT Moncton and CBGAT Matane, when rebroadcasters go on-air. Licensee may use discretion in selecting delivery method for distant signals: at the public hearing, the licensee forecast that "in 2 years, 5 years at the most, reception of television signals by microwave will be a thing of the past," and proposed interconnection with the system in neighboring Dalhousie.
- **Norcable Limited**—granted licence to serve Gagnon, Fermont and Schefferville, Quebec, and Labrador City—Wabush, Nfld. The competing application by Cablovision du Labrador Ltée for Fermont and Labrador City was denied.

- **Telesag Inc., Chicoutimi, Que.**—distribution of programming from 3 French networks, received on videotape, approved for basic, rather than augmented service.

- **Cybermedix Ltd.**—purchase of Citizens Cable TV, Burlington, Ont., approved. Two-way live program production capability is to be expanded to four more locations in community; mobile production facilities are to be upgraded.

- **Willowdowns Cable-Vision, Toronto**—experimental closed-circuit security surveillance package approved for two-year period.

- **Valley Cable Vision Ltd.**—transfer (100%) to Farm King Ltd. and Winnipeg Videon Ltd. approved. The company operates cable systems in Altona, Carman, Morden and Winkler, Manitoba.

- **Kootenay Enterprises Ltd., Kimberley, B.C.**—rate increases "necessary to avoid serious financial difficulties" approved. Licensee is to improve communication with subscribers, reconstruct portions of system and provide community programming.

NO WESTERN-PREMIER DEAL

A complex proposal to amalgamate control of two major companies, Western Broadcasting and Premier Cablevision, has been rejected by the CRTC. (A similar application for interlocking ownership was denied in 1977.)

The Commission said it was not persuaded that the benefits proposed by the applicants could not be accomplished without joint ownership, nor that it was the CRTC's role to ensure continued control by shareholders in British Columbia.

EXPIRY DATE NOW SEPT. 30

The CRTC has decided to change the normal date for expiry of licences from March 31 to September 30. This will enable the Commission to schedule renewal hearings between January-June, when more up-to-date financial data and programming plans can be provided.

All licences expiring March 31, 1980, have been renewed to Sept. 30, 1980.

EVENING SESSIONS ENDED

An experiment to encourage participation in CRTC hearings by having evening sessions has been discontinued. The Commission will revert to the practice of hearing the public at the beginning of each hearing.

MSC newsletter

Self-contained tape player

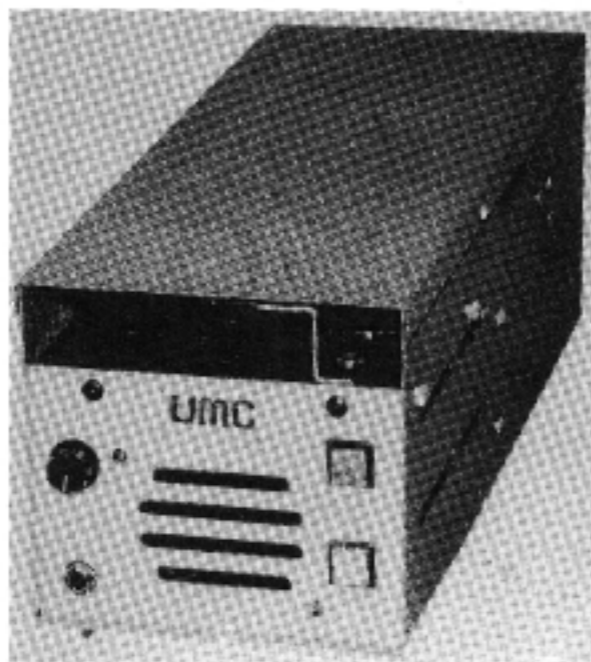
UMC's new "Monitor II" is a monitor version of the company's popular and low-cost Beaucart II cartridge tape reproducer.

A built-in amplifier and self-contained front panel speaker allows the operator to monitor the content of pre-recorded NAB "A" size cartridge tapes without any additional amplification equipment. This makes the Monitor II ideal for use by the newsroom, continuity desk, program director, sales office or station manager.

A front panel volume control sets the speaker or headset level. Insertion of headphones into the convenient front panel jack interrupts the speaker for private monitoring.

The UMC Beaucart Monitor II features the same precise mechanical system and high performance electronics as the Beaucart II reproducer including the patented pancake hysteresis-synchronous direct drive Beau motor and premium quality Beau head.

By means of rear-panel switches the Monitor II can be converted to conventional "On-air" operation, or connected to a telephone, through a coupler.



In the newsroom, the Monitor II is perfect for timing actualities, writing lead-ins, and getting out-cues.

Commercials can be previewed without tying up production control in order to get the timing on a jingle donut or pacing on a piece of background music.

The Monitor II also gives the program director his own machine for timing cuts and intros, and for library monitoring.

And for the sales department, the Monitor II provides an effective selling tool for presentations, sales meetings or for client copy confirmation.

Circle 169 on reply card

CKBH buys Sintronic

We are pleased to announce another Sintronic transmitter installation, this one at CKBH in Baie Commeau, Quebec.

The 1000 watt model SI-A-1S AM broadcast transmitter at CKBH features advanced design, 100% solid-state circuitry providing maximum fidelity and reliability for long-term, highly efficient service.

Other Features of the SI-A-1S include automatic rf output control, a frequency-synthe-

sized exciter, remote control capability, plug-in modular design, digital multimeter, high overall efficiency, quiet operation, zero warm-up time, and 125% positive peak modulation capability.

The model SI-A-1S is part of the Sintronic line of quality 1 kW to 50 kW AM and 1 kW to 55kW FM transmitters, available in Canada exclusively from MSC Electronics.

Circle 170 on reply card

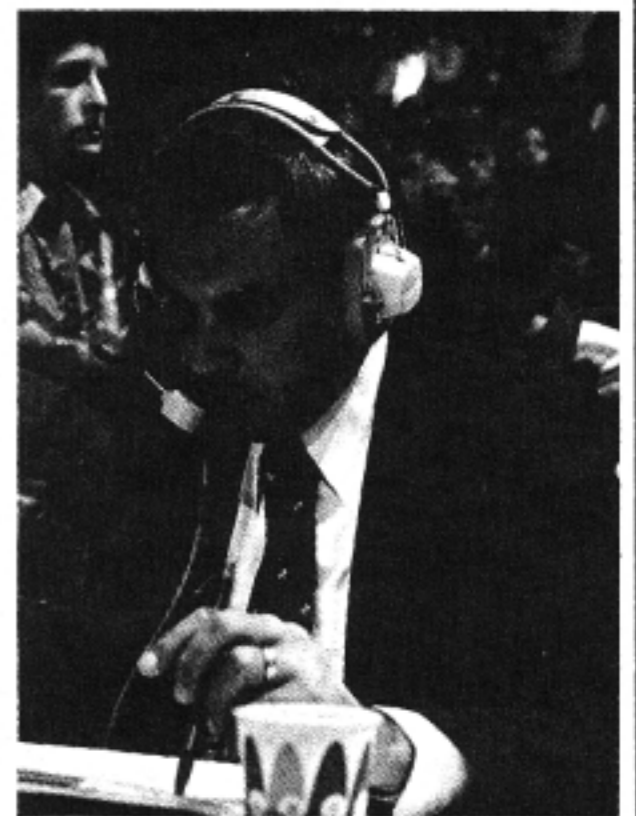
Comrex saves \$30,000

The General Manager of one U.S. station estimates that over \$30,000 in line charges have been saved over the past year thanks to the use of a Comrex low frequency extender during play-by-play sports programming.

KSDO of San Diego uses the Comrex low frequency extender regularly in the broadcast of Clippers and Chargers games.

The Comrex model LX solves the problems of poor low frequency response, noise and hum, when transmitting audio material over standard telephone lines.

With the model LX it is now possible to use standard telephone lines for news gathering and remote reporting applications with excellent results,



but without the cost of special circuits.

Both portable and rack mounted configurations are available.

Circle 171 on reply card

CBC to get Mark III



The Canadian Broadcasting Corporation has become the first network in Canada or the U.S.A. to order a Rank Cintel Mark III flying spot scanner. The Mark III telecine will be used mainly for the film-to-tape transfer of feature films.

Scheduled for delivery in April, the Mark III will be installed in the prestigious

Maison de Radio-Canada in Montreal, head of the corporation's French service network.

Options ordered with the Mark III include Digiscan, a digital storage system which eliminates interlace flicker and jitter without the need for precise adjustments, and T.O.P.SY, a microprocessor-based pre-programming system.

Circle 172 on reply card