

BROADCAST TECHNOLOGY

JANUARY/FEBRUARY 1982



Radio
Québec

L'autre
télévision

www.americanradiohistory.com



Technitopics

by Sandy Day

RABC: KEEPING 10 kHz WAS "EASY"; NOT SO A PLAN FOR +10,000 AMs...

Rio de Janeiro, Brazil. It's 8:00 am on a sunny Sunday, December 6, 1981 — the temperature on the beach below is already touching 32° C, and the RABC has two weeks left to go. (Down here they call it CARR-81, which fits both the Spanish and Portuguese designations.) The sun climbs out of the southeast ocean at 5:00 am, and — when it's not raining — slips behind a mountain to the west at 6:00 pm.

The two main projects for the conference are the formulation of a satisfactory Agreement and the establishment of a station assignment plan for AM broadcasting for North, Central and South America. The Agreement and its technical annexes, which set the rules under which broadcasting will operate for years to come, are pretty well finalized, with just a few formalities left.

The Plan is the thing, with major difficulties to overcome. Under Canada's Gilles Courtemanche, the Planning Committee and its four Working Groups have struggled desperately to work into the Plan something over ten thousand stations in a spectrum which cannot possibly accommodate so many, except with interference levels which prove to be unacceptable (at this stage) to many countries.

There have been major difficulties in processing the data, the inevitable computer, data-link and human failures being only a part of the problem, and the conference was about half over before we started to see printout results that were meaningful in the planning process. Unfortunately, the Buenos Aires session last year permitted changes to be made in inventories up until the opening date of this session, November 9th. Delegates arrived in Rio with lists of hundreds, even thousands of additions, deletions and changes. Some 4,200 were processed by the harried IFRB staff. Local Portuguese-speaking key-punch operators, with little understanding of broadcast parameters, let alone of English, Spanish or French, made the inevitable data entry errors, which then required careful rechecking and re-submission of corrections. Only after the correct data was processed did the results become meaningful.

After the first week of actual planning, 3,360 stations had been entered in the "Interim Plan", and as of today, about 6,500. The entry forms for stations causing other than domestic interference have to be accepted by the countries whose stations are affected, and then co-signed by the working group coordinators before entering the data-processing phase. And only tomorrow will we see the first realistic listing of stations in the Interim Plan together with the interference values caused or received by other stations.

Almost all of Canada's operating stations are already cleared, but some are still of concern to other countries and are outstanding at present. A fair number of our planned opportunities, mostly on the NARBA clear channels, have entered the interim plan. Parameters of others are being modified as we go along to make them more acceptable.

Your delegates from Canada, led by International veteran Ed DuCharme, include Sylvie Gravel, who has carried the burden in developing the Agreement, the hard-working Gilles Courtemanche and his dedicated helpers from DGTR, Doug Forde, Jean-Marc Paquet and Cathy Watters, Parke Davis who is our delegation planning chairman, Don Johnson from CRTC and Jack Litchfield from CBC, Doug Allen whose hard work and vast experience have been a tremendous help to others as well as to Canada, and this reporter. There is no question in the minds of our government delegates that the assistance from the private sector has been invaluable. We also had here for a time, Gordon and Jill Rawlinson from Regina, and presently Senator Peter Stollery. We expect also to see Réal Thérien of CRTC by the last week of the Conference.

Despite the beauty and attractions of Rio, the delegates have had little time for enjoyment, and to an extent, have been virtual prisoners in the hotel-convention centre complex. It is on a beach in the southwest outskirts of the city, isolated by about two miles of mountain.

You know by now that the 9 kHz question was settled with surprising ease. It was very gratifying to see the major opponents come around to our way of thinking, and Canada's broadcasters should be proud of the effect their efforts had in the decision. Canada's inputs were a major factor in achieving our objective.

The planning process has demonstrated a surprising degree of cooperation, even among those countries where broadcasting stations have not previously been coordinated. The negotiations have run quite smoothly, and some countries in Central America have already agreed to follow up in post-conference meetings to resolve the remaining difficulties.

Although not decided yet, the Plan in its final form will probably consist of three lists of stations, the "clean" list with no problems, interference to and from such stations being accepted, the "dirty" list of stations having unaccepted interference conditions and a third list of stations in countries not represented at the conference. These latter would enter the Plan when the countries concerned acceded to the agreement.

With the Plan coming into force, our Region 2 stations will have adequate safeguards against inter-regional interference from the high-power stations of Regions 1 and 3.

It is apparent that a considerable amount of post-conference negotiation will be required, and the mechanisms needed will be covered by resolutions being developed at present. There is much yet to do.

Postscript: Even with stretching our deadline date, we cannot give you the final story on RABC in this issue. The above are my impressions at the two-thirds mark. Look for more in the next issue of BT, and meanwhile, the best to all in '82!

Sandy Day is Vice President of Engineering Services for the Canadian Association of Broadcasters. Readers' comments or questions may be addressed c/o CAB, Box 627, Station B, Ottawa K1P 5S2.



THE PHIL STONE REPORT

A profile of broadcaster Bob Redmond.

We have the CRTC and CAB, RBC and TvB, CBC, RTNDA...the initials and acronyms swell in abundance. The broadcasting industry hardly needs more of them, any more than John Gilbert or Bob Hesketh needs a sore throat. Nevertheless, one suggested inclusion to the album of abbreviations might be RTBA—for "Roy Thomson Broadcasting Alumni". Indeed, if all the broadcasters, past and present, who cut their eyetooth in radio at a Thomson station were to get together, one could likely fill the ballroom of such hostelrys as the Hotel Vancouver, Palliser, Royal York or Lord Nelson. *Dramatis personae* would range from Jack Kent Cooke to Don Insley, to the focus of this *Phil Stone Report*, Robert Earl Redmond. Like many others, Bob cut his electronic eyetooth at CJKL in Kirkland Lake, Ontario—which in two more years will celebrate 50 years of broadcasting.

Bob Redmond rates our attention for many reasons. But primarily at this given time because, like many, we have always been fascinated with the David-Goliath syndrome: the little guy (and we don't mean necessarily in physical stature, but rather in how he is positioned in the industry) overcoming the giant. Redmond, despite heavy opposition, won a much-coveted FM licence in Calgary, Canada's booming oil capital. This, despite the fact that Redmond's holdings, while respectable, are not your front-row stations; he is chairman of CHSC/CHRE-FM St. Catharines and CHNR Simcoe, Ontario—plus the upcoming CHKY-FM Calgary.

Bob is no stranger to most of our readers. He is a director of the Canadian Association of Broadcasters, as well as of the Children's Broadcast Institute; a past president of the Central Canada Broadcasters Association, and a former director of the BBM Bureau of Measurement. What he is, indeed, is a "broadcaster's broadcaster"—a fact that obviously did not escape the CRTC's attention when they awarded him the Calgary FM licence. Bob has worked as a control room operator, technician, music

director, copy writer, announcer, program director, account executive, sales manager, general manager, president and chairman.

Quiet and unassuming, Bob is a traditionalist. "Very strictly traditional," he told us.

Dedicated to strengthening Canadian presence in broadcasting and music, he developed a record company to produce albums by local artists, as well as professionals such as Tom Kneebone and Dinah Christie. The current big release—an album which I've had the pleasure of hearing with much nostalgia and pleasure—is the Mart Kenney 50th Anniversary Musical Tribute. And Redmond's broadcast companies have established a policy to develop and provide funding for Canadian talent.

He is responsive to the needs of young people entering the industry—we learned that personally when dealing with him during our years as director of the Humber College Radio Broadcasting course.

He is responsive to the needs of the community. President of Family and Children's Services, he has had a long association with the Children's Aid Society, and is also on the board of trustees of Brock University, a director of the United Way and of the St. Catharines Golf Club, past director of the Multiple Sclerosis Society of Ontario, and a past president and lieutenant-governor of the Kiwanis Club. He is not by any measure just a joiner or name-lender; he is an activist who cares.

He is success-oriented, as the result of sensible, decent and progressive business practices. His associates and employees speak of him as a person who recognizes the self-respect of the individual; his wife, Phyllis, and their three daughters exemplify the family closeness they all enjoy with Bob. His life is the broadcast industry, and his vocation is almost his total avocation—aside from family time, reading and racquet sports.

Bob was born in Kirkland Lake and is related to some outstanding hockey players from the area, such as Mickey Redmond. The ice game, however, didn't

run in his blood—rather it was music: when he was quite young, he was chosen as the announcer to represent his high school for a radio program on CJKL; then, there was "Bobby Redmond's Swing Band".

After taking one of the early radio courses at Ryerson in Toronto, Bob went to CKGB Timmins as an announcer. He also worked in the music department and was a technical operator, "sweeping the floors and all kinds of things...I worked for the Thomson people for 13 years, going from that job in Timmins next to my home town of Kirkland Lake as morning man at CJKL."

Bob met his wife, Phyllis, at CJKL, where she was traffic manager. Today they have three children: Cheryl Lynn, who is married and lives in Calgary, where she and her husband will be active in CHKY-FM; and Erin and Diane, both at school in Toronto. All have ambitions to go into radio: Cheryl will be coming into the field with a program she designed called *Women's Place*, and will also be the station's public service coordinator working with various Calgary organizations.

"When I married and had a child, I realized I had to do something to make more money than I was being paid by Thomson", Bob recalls. "I really wanted to be a time salesman, but the station thought I was too young, so I quit and began selling insurance. I did that for two years and even though I hated it, I did very well financially. I went back to Thomson—by now they decided I was old enough to sell time—and within three years, at age 28, I was appointed as the youngest sales manager in the Thomson chain, working out of CHEX in Peterborough. Following Peterborough, I bought a small interest in a station in Welland and from there I worked in a variety of functions. That was from 1958 on. By 1967, I had divested my interests in Welland and other investments and opened the stations in St. Catharines."

When Redmond applied to the Board of Broadcast Governors for both AM and FM licences, the BBG denied the AM, but approved the FM. "You can imagine,"

THE PHIL STONE REPORT

said Bob, "the mixed emotions—sitting with an FM licence in 1967, with really low set tuning and little opportunity for revenue. The BBG was very sympathetic about this, so we came back with a bid for a different AM frequency—1220 instead of 1500—and finally got that approved. They also let us delay the FM installation, and we went on the air eventually with both stations at the same time—a time when we were permitted simultaneous broadcasting, with the exception of the 2 to 4 hours of original FM broadcasting then required. The stations were called CHSC AM and FM. Our venture was viewed as a very formidable task, because the Burgoyne family had the respect and the personal contacts of the entire city, and back in the 60s and earlier were deeply entrenched also in the daily newspaper operation (*The St. Catharines Standard*). Our biggest job was to get ourselves involved in the community and get recognition."

Within two years, the stations—AM in particular—became very successful. "We built our audiences, we offered professional programming, built up a very strong staff, and today our two stations are probably one of the most successful independent operations in the country. That is, in terms of the audience we are able to gather where we are—which is in the 'electronic blanket' of Canada—and also from a revenue-producing point of

view. I called the area the 'electronic blanket' because no less than 60 AM and FM stations, American and Canadian, come into our listening area. Also, there are something like 20 television signals."

What is the secret of this success? "One needs to be tuned in to the immediate needs of the city to garner and establish an audience in that kind of an environment."

Redmond also owns CHNR Simcoe, which some readers will recall was a Ted Fielder venture, 'way back. "We bought it," said Bob, "because of the long-range view of the Steel Company of Canada. Very few people know that Stelco has spent something in excess of a billion dollars in that area, which was designated to be the next Hamilton of Ontario. There were all kinds of claims as to its future. That was seven years ago—all this talk has not materialized and it has been very disappointing for us. We've turned the station around, professionalized it, and are simply waiting for economic growth in the area, as many people are."

Redmond's choice of Calgary was based on more than the desire to be in a major market. "I'm in a position now, as an independent, where I have to decide whether we are going to grow or stay as we are. I decided that the company must grow—not because I want to acquire more personal wealth, because my needs have always been and probably always

will be very modest. Rather, I have a lot of very outstanding broadcasters working for me who are waiting to move up, to move ahead. We've been associated with them for some 14 or 15 years and I don't want to see them stifled. My primary motivation is to give these people the opportunity to grow.

"My long-time associate, Leo Bruzzese, is a chartered accountant and is now the president of the St. Catharines company. Leo handles all of our financial affairs, which allows me time to pursue my main interest, which is the creative side of programming.

"Mike Hanson, who has done all of the things that broadcasters want to do in the industry—he's been president of CCBA and RBC—will be president and manager of CHKY-FM Calgary. It's going to be a country station, and our logo will be 'KY Country'. We will not be into traditional country, but rather contemporary, which because of the crossover is really the middle-of-the-road music of today.

"The whole thing is exciting for us, because we feel we have always programmed and staffed at a major market level—and now we'll be broadcasting in a major market setting."

Redmond has more ambition. He wants to take his company into other major market areas, over and above Calgary. He'd like very much to get into Toronto, along with other major cities across Canada. "I feel that from what we have learned in the programming field, in service to Canadians, that we have the know-how, dedication and desire that gives us something very particular and important to offer radio listeners in this country. We feel very good and confident about what we do, and that is said without bragging, but rather with a substantiated history of performance."

At the age of 17, Bob Redmond, who plays drums, formed that "Bobby Redmond Swing Band"—playing Basie and Ellington and the other big music-makers of that genre. He made it work and that is what there is about him: he makes things work. He is oriented to success in a steady, progressive way that is typically Canadian.

When he was young, when he was selling insurance and/or radio time, Bob's dream was to "someday own a radio station". Today, he owns four, and our guess is that the odds are in favor of Bob Redmond, chairman of Redmond Communications Limited, becoming one of Canada's national broadcasters before the 1980s are a memory.

Phil Stone is a well-known writer, broadcaster and educator, whose Phil Stone Report and Broadcast Beat are regular features of Broadcast Technology. Phil may be reached at 2350 Bridletowne Circle, #1601, Scarborough, Ontario M1W 3E6, telephone (416) 492-8115.

TV Studios with inadequate lighting may have a dim future.

Thanks to our experience in dealing with studio lighting, we have designed six standard TV lighting packages that meet normal needs for standard-sized studios. And since these are complete systems already engineered and in stock, ready to ship, they afford substantial savings.

At Kliegl, we have a team of seasoned engineers who can also design custom studio lighting systems to meet more exacting requirements.

So, if you don't want your viewers to change channels, turn to Kliegl. For complete information on our TV packages, please write or call.



Kliegl Bros.
32-32 48th Ave.
Long Island City
New York 11101
212-786-7474

Circle #237 on Reader Service Card.

Radio-Québec's Television Network

Throughout Québec, a rapidly-expanding audience is tuning in to "L'autre télévision"—the alternative educational, cultural and public affairs programming of Radio-Québec.

Created in February, 1968, to produce educational and government programs, the organization today operates with a staff of 650 and an annual budget of over \$40 million, broadcasting up to 12 hours of programming daily.

The development of Radio-Québec's network of transmitters began seven years ago, and is continuing with impressive vitality. CIVM, channel 17, Montreal and CIVQ, channel 15, Quebec City, were the first to go on the air, on January 19, 1975. On August 15, 1977, CIVO, channel 30, Hull was added; and on January 18, 1980, two more stations to cover the Abitibi area—CIVN, channel 8, Rouyn-Noranda and CIVA, channel 12, Val d'Or. The most recent additions are powerful stations in Trois-Rivières, Rimouski and Sherbrooke. By the end of the 1980s, 15 main transmitters and 45 rebroadcasters will reach over 96 percent of Québec's 6 million-plus population. And the network, because of its extensive use of UHF channels, will rank as one of the world's most powerful.

This extensive project is being carried out by Radio-Québec's own relatively-small engineering department, under the direction of vice-president of engineering Claude Robert. Director of network operations is Jacques St-Pierre, who joined Radio-Québec in May, 1968, shortly after its inception, after a long association with Montreal consulting engineer Maurice Rousseau. Their staff of 34, 22 of whom are in maintenance, carries out all engineering research, planning, development and administration.

Recently, Jacques St-Pierre told *Broadcast Technology* about the network and its expansion—past, present and future.

In the beginning, 14 years ago, Radio-Québec was a producer of educational and government programming. It was not until the fall of 1972 that distribution began via cable television systems—first in Montreal and Quebec City, a year later in the Sherbrooke and Hull areas. When the network began putting its own stations on the air, cable systems within the coverage area, of course, carried the programming as broadcast. But for the many cable systems outside the coverage area of the transmitters, Radio-



Radio-Québec vice-president of engineering Claude Robert stands beside illuminated map showing projected expansion of network.

Québec developed a free dubbing service whereby programs could be carried on a one-week delay. As more stations go on the air, more cable systems will carry the network "live".

Many of Radio-Québec's transmitters are on UHF channels, and Jacques St-Pierre recalls that when the plan came before the board of directors, there was some scepticism that UHF reception

would be satisfactory. St-Pierre mounted a small antenna on a station wagon in the parking lot at 1000 Fullum and used Sony VTRs to record the signals of three UHF stations in Burlington, Vermont. The demonstration proved successful: when the tapes were shown on the boardroom monitors, members broke in spontaneous applause and have not looked back on their decision. →



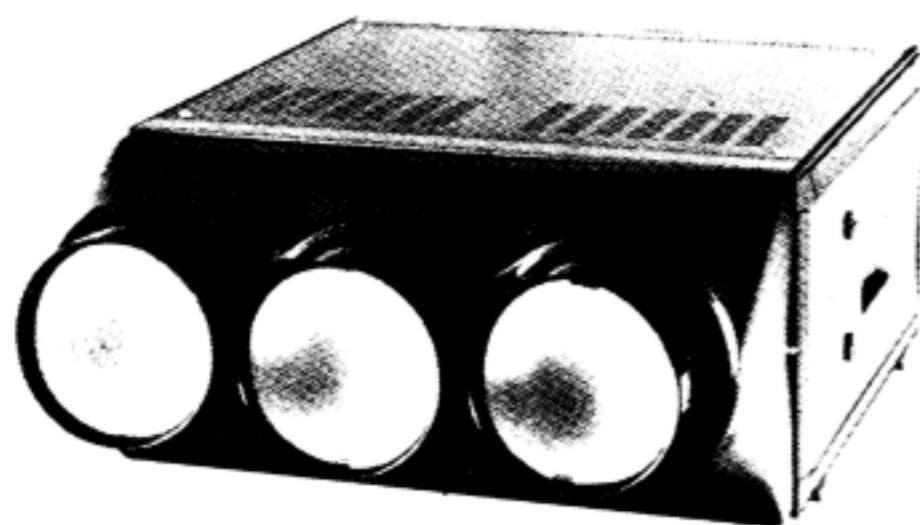
Videocassette dubbing facility



Trois-Rivières transmitter installation commenced operations October 6, 1981. CIVC shares the 1000-foot CKIM-TV tower which also accommodates a CBC English rebroadcaster and three FM stations. Interior photographs show Comark 55 kw transmitter, which features automatic switching to 38 kw standby should any failure develop, easy access for maintenance and replacement of parts, and use of standard components to simplify stocking of spare parts. Above is

image/sound combiner. Pre-wired Westinghouse cubicles provide for distribution of high power required by UHF transmitters. Equipment racks are seen at left. Adjoining room contains heat exchangers. Building, 45' x 42', is owned by Radio-Québec; of special interest is roof construction of grid-iron beams to protect the facility from any damage which could be caused by ice falling from the tower in winter. Transmitter installations at Rimouski and Sherbrooke are of similar design.

ELECTRONIC SYSTEMS PRODUCTS INC. AQUASTAR III B



PROJECTEUR VIDEO COULEURS / COLOR VIDEO PROJECTOR

- Projection: 4'-20'
- Définition: 600 lignes/lines resolution
- Luminosité: 400 lumens/light output
- Contrôle à distance/remote control
- Entrées RGB & NTSC/inputs

Distribué par/Distributed by:



Les Entreprises **MEDIATECH** Inc.

3572 WELLINGTON
VERDUN, P.Q. H4G 1T6
(514) 761-4525

Circle #79 on Reader Service Card.

RADIO QUEBEC

Radio-Québec's engineering department is particularly proud of its most recent achievements—the addition of three transmitters which increase coverage to 82% of the province's population. They are: CIVC, channel 45, Trois-Rivières, on-air October 6; CIVR, channel 22, Rimouski, on-air November 3; and CIVS, channel 14, Sherbrooke, on-air early in 1982. All three installations have similar facilities, with large buildings, well-planned and well-equipped.

Interesting engineering aspects of the network include its co-siting arrangements at most locations. Also, the network has purchased at least five different makes of transmitters to meet the differing requirements of each installation, providing an opportunity to assess the qualities and performance of each under various conditions.

- Radio-Québec's first three transmitters are RCA—at CIVM Montreal, which shares the city's crowded Mount-Royal site; at CIVQ Quebec, atop a government office building in the capital; and at CIVO Hull, which shares a Camp Fortune site with Radio Nord's CHOT-TV.

- Both Rouyn-Noranda and Val d'Or use Harris 25 kw VHF transmitters, co-sited with Radio-Nord stations. At Val d'Or, channels 7, 10 and 12 are triplexed, believed to be the only triplexed site in North America.

- A rebroadcaster at Chapeau, in the Ottawa valley, northwest of Hull, is an Acrodyne 1 kw unit, co-sited on a CBC tower.

- All of the three newest facilities—at Trois-Rivières, Rimouski and Sherbrooke—are co-sited, and each used a Comark 55 kw UHF transmitter with average ERP of 1.2 megawatts.

- Three more main stations—all VHF's—are scheduled to go on-air in the fall of 1982. Canadian General Electric transmitters will be used at CIVF, channel 12 Baie Trinité (lower St. Lawrence region) and at CIVG, channel 9, Sept Iles (North Shore), to be co-sited with CFER-TV. At Chicoutimi, CIVV, channel 8, will be co-sited on a 750-foot antenna tower atop 3000-foot Mont-Valin, where new facilities for CKRS-TV Jonquière are also being installed. Both CIVV and CKRS-TV will be equipped with 25 kw Thomson-CSF transmitters.

Development of the Mont-Valin site required expenditures of \$350,000 for roads and \$385,000 for hydro.

Radio-Québec's well-equipped engineering department has test equipment valued at over \$1 million. Included is a 100-watt portable transmitter licensed for use anywhere in Québec on channel 62; it sometimes is flown to remote sites (such as Mont-Valin) via helicopter for testing of transmission/reception conditions.

One of the most impressive technical features of the network is its advanced monitoring system, which enables the engineering staff in Montreal to be aware instantly of any abnormalities at each transmitter site. Via normal telephone lines, the system uses completely automatic telemetry to provide constant monitoring of all remote control functions.

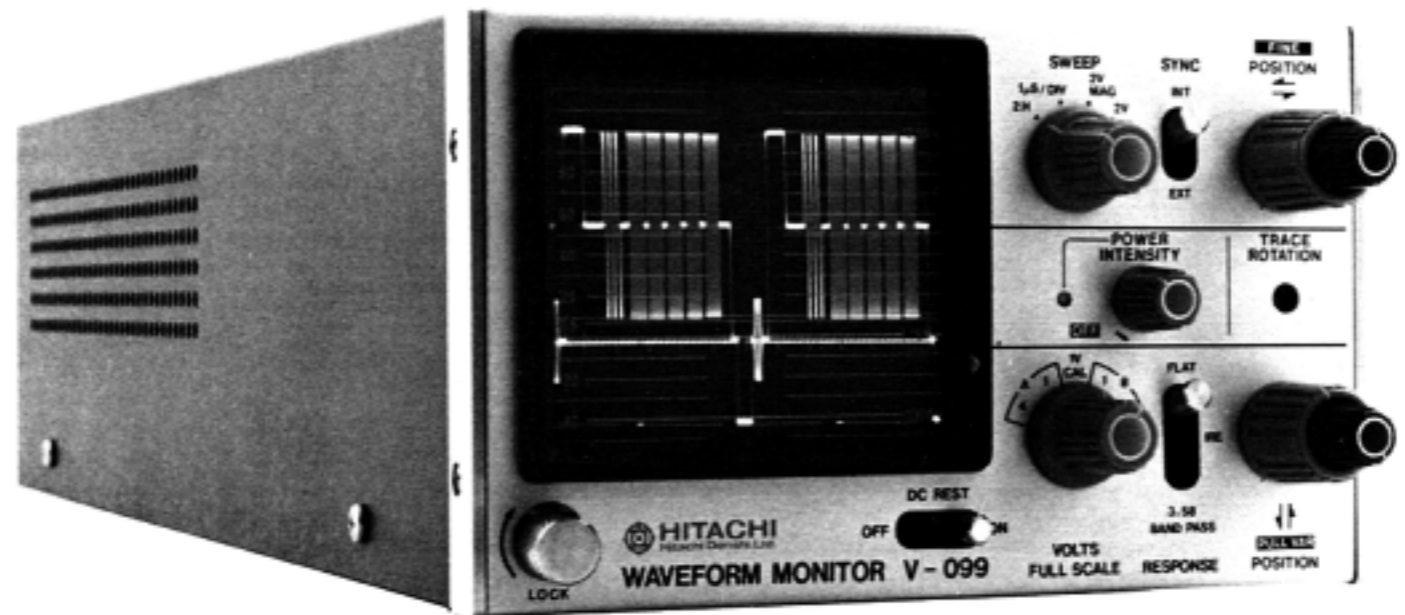
While much of Radio-Québec's programming originates from its two 3-camera studios in the Montreal headquarters, there is also considerable emphasis on outside broadcasts, using a 5-camera mobile unit, two 2-camera mobiles, and two ENG units. A "regionalization" plan provides for continuing development of program production in each of nine regions throughout the province.

While perhaps not well-known to many outside of Quebec until now, Radio-Québec is an active participant in educational television organizations such as the Agency for Tele-Education in Canada (ATEC), which provides liaison with other provincial organizations including Access Alberta and TVOntario, and the U.S. National Association of Educational Broadcasters (NAEB).

At home, Radio-Québec's impact will undoubtedly continue to grow, as its network of first-class transmitting facilities extends "L'autre télévision" to viewers in every part of Québec.



THE COMPACT HITACHI V-099 TELEVISION WAVEFORM MONITOR



It does it all—for less!

Features:

- Bright 3 1/2" rectangular CRT
- Operates on AC or DC (optional battery pack or external DC source)
- Focusing shift is automatically corrected
- Displayed video signal also provided at a video output connector for viewing on a picture monitor
- Calibrated 1-volt and 4-volt full scale (140 IRE units) sensitivities are provided for displaying video and sync signal levels
- Built-in 1-volt calibration signal, front panel selectable
- Flat IRE and 3.58 bandpass responses available
- Four SWEEP modes of 2H (2 line), 1 μ s/DIV (expanded 2 line), 2V (2 field) and 2V MAG (expanded 2 field) may be displayed to observe various portions of signals
- Front panel selection of internal or external sync
- DC Restorer maintains back porch at constant level
- Size only 5 3/4" wide x 3 1/2" high x 15 1/2" deep.

IMMEDIATE DELIVERY



(1977) LIMITED

160 DUNCAN MILL ROAD
DON MILLS, ONTARIO, CANADA M3B 1Z5
(416) 444-8497 TELEX 06-986741

MODERN NEW BUILDING FOR EASTERN BROADCASTING

On July 11, 1981, Eastern Broadcasting moved into new facilities, culminating months of planning, hours of work, and a long-time dream of company president Jack Schoone. The new facilities, located at 1000 St. George Boulevard, Moncton, are believed to be among the most modern in the country.

Faced with expiring leases at the old location, the pressing need to consolidate its Moncton operations, and the impending necessity of refurbishing and replacing studio equipment, Jack Schoone and Eastern's vice-president of engineering, Brian Hooper, embarked on what proved to be a major undertaking.

The former location comprised three separate leased premises in the downtown core area of the city, where physical expansion was severely hampered. In addition, the three locations were hardly conducive to efficient operation or enhanced productivity in a growing company. The obvious solution,

of course, was to consolidate the company's administrative offices and Moncton's AM and FM operations, and the search was on for suitable premises.

As is the case in most cities, the downtown area offers limited choice of adequate facilities in existing buildings; Eastern's search produced no suitable locations in terms of design and space required. Schoone's long-time ambition for the company not only to own, but also to design its own building and broadcast facilities to meet its specific needs, seemed the ideal route to go.

Land was purchased on St. George Boulevard, in an accessible suburban part of the city, in close proximity to Moncton's beautiful Centennial Park and one of the city's most prestigious residential areas.

Schoone himself, together with Inducon Consultants of Toronto, designed the original architectural concept of the new building. The exterior

blends with the setting, a semi-wooded area, and incorporates natural tones of brick and pine. The structure features soft-tinted glass and skylights. The location offers easy access and ample parking for visitors and employees.

Tenders for construction were called, with the successful bidder, Team Construction Limited of Moncton, being announced in the fall of 1980. Construction got underway in November, and was completed seven months later.

As for the building's interior design and layout, input from employees was sought in the planning stages. Staff members were encouraged to share with Brian Hooper their own ideas and suggestions to make the most efficient and productive use of the 15,000 square feet of space. The three-level structure's interior features very basic earth tones and is visually appealing. The 9'3" ceilings add to the "open" and spacious effect throughout the offices and studios.

Eastern's new offices and broadcast facilities, Moncton, N.B.

Reception area, executive offices.



Master control room.

NAB — DALLAS

AIR & HOTEL PACKAGE

April 02-06

April 03-07

Direct Flight From Toronto

Holiday Inn \$445.00

Travelodge \$400.00

Direct Flight From Calgary

Holiday Inn \$465.00

Travelodge \$420.00

Above prices include:

- Return Airfare from Toronto or Calgary to Dallas
- Transfers to and from hotel
- 4 nights accommodation on a Double Occupancy basis
- Services of a Modern Trend Travel escort throughout

We will be glad to give you information on Single or Triple Room Rates or Extra Nights stay, which **MUST BE ARRANGED IN ADVANCE.**

Final booking date is
February 19/82.

POST CONFERENCE TOUR

Why not unwind after the convention with a few days at South Padre Island on the Gulf of Mexico?

Our group will be going April 07 to the 11, staying at the Holiday Inn or Hilton for approx. \$430.00, including return airfare from Dallas and transfers.

Call or write for details today!

416-742-3631

MODERN TREND TRAVEL

Modern Trend Travel
1530 Albion Rd., Rexdale,
Ontario, Canada M9V 1B5

EASTERN BROADCASTING

The ground level is occupied chiefly by the administrative and sales operations, while the 4,000 square-foot upper level houses all the on-air and studio/production facilities, as well as the news operations for both CKCW-AM and CFQM-FM. The 4,000 square feet on the lower level contains music libraries for both stations, fully-equipped staff cafeteria, three storage areas for programming, sales and administrative departments, and Eastern's engineering department facilities and offices.

The broadcast facilities on the upper level are identical in layout for both stations, but are physically separate, with the only common facility being the newsroom operation, located in the centre of the upper level, between AM and FM Master Control rooms and Production/Studio facilities. Each station's broadcast facilities include a Master Control room, two Production Control rooms, and two Production/Talk/News studios. All equipment throughout the AM and FM operations is totally compatible and stereo.

The Master Control and Production Control rooms utilize Ward-Beck consoles—the R-2000 in MCR's and the R-1200 in Production Control rooms. Hooper and the Eastern team are firmly convinced the Ward-Beck console is among the finest in design and manufacture. Eastern, in fact, had each console customized to best suit each station's particular needs. In conjunction with these consoles, the company has selected the Technics direct-drive turntables, Studer B-67 reel-to-reel machines, and ITC cartridge equipment. All the cabinet work throughout the on-air facilities was custom-designed by Brian Hooper and built in Moncton.

Eastern's News Room features a total of six work stations, two of which are the main work stations equipped with total record facilities, Otari reel-to-reel machines, cartridge-recording equipment and cassette decks. The other four sub-work stations are equipped with cassette deck recorders and selective input switchers which are tied in with the main units. Other news room features include Broadcast News Voice and Wire Service, New Brunswick Government Information (wire) Service, and central VHF radio control.

The building, incidentally, utilizes heat pumps to make the structure more energy-efficient, and in addition, features large windows on the south side of the building.

Both stations utilize Moseley microwave STL systems. CKCW's new 25 kw transmitter site is located west of Moncton and is a two-tower array, utilizing a Harris MW-20 transmitter.

Tuning and phasing panels were designed and manufactured on site. Work on the transmitter site began in May, 1981, during the completion stages of the new building in Moncton, making the over-lap in construction times particularly hectic for our technical staff. The CKCW 25 kw proof was begun on September 1, 1981.

The history of CKCW goes back to December 4, 1934, when 1220 Radio signed on the air with a mere 100 watts of power. By the end of the 1930s, the station was broadcasting at 250 watts. In the spring of 1946, CKCW went to 5,000 watts, and then to 10,000 watts in April 1953. The power increase to 25 kw gives the station excellent coverage in southern and eastern New Brunswick, as well as northern and eastern Nova Scotia and most of Prince Edward Island.

On moving into its new facilities at 1000 St. George Boulevard, Eastern Broadcasting also transferred its computer, the IBM Systems 34, which handles traffic, accounts payable, accounts receivable, payroll, and all other company accounting and financial data. The company is also anticipating further expansion of its computer facilities to handle the music formats for both CKCW and CFQM, and for specialized purposes, such as inventory control and equipment efficiency runs.

Eastern's technical progress and development has not been restricted to the Moncton operation, however. In 1981, Eastern has undertaken the following company projects: a new transmitter installation for CKNB at Campbellton, N.B.; installation of new production facilities at CFAN in Newcastle, N.B.; and presently under construction, new studios and offices for CFCY-AM, Charlottetown, as well as for Eastern's newest station, CHLQ-FM, also in Charlottetown. In fact, our engineering and technical staff is now working on the new transmitter site for CHLQ.

Eastern Broadcasting System owns and operates a total of six (soon to be seven) Maritime radio stations: CKCW-AM-1220 and CFQM-FM-104 Moncton, N.B., CJCW-AM-590 Sussex, N.B., CFAN-AM-790 Newcastle, N.B., CKNB-950 Campbellton, N.B., CFCY-AM-630 and, in the spring of 1982, CHLQ-FM (Q-93), also in Charlottetown, PEI.

Editor's note: Our thanks to Jack Schoone, Brian Hooper and Yvonne LeBlanc of Eastern Broadcasting for their cooperation in providing this story. Broadcast Technology welcomes similar articles from other stations which have installed new facilities.

CCBA ENGINEERING NEWSLETTER

by Bruce Dingwall

Greetings, from the new executive of the CCBA Engineering Section. The Annual CCBA Convention has come and gone, and left in its wake some good thoughts about the future of the Engineering Section, and a new executive to serve you:

Larry Cameron, CKWS-TV Kingston (past president)

Jeff Guy, CJBK London (president)

Paul Firminger, CHYM Kitchener (vice-president)

Trevor Joice, CHIN Toronto (secretary-treasurer)

Jim Mercer, CHCH-TV Hamilton (papers chairman)

Bruce Dingwall, CFRB Toronto (publicity chairman)

Bill Onn, CKEY Toronto (exhibits chairman)

The Annual Convention can only be classified as an unqualified success. The attendance was very good, by both members and exhibitors, at the new hotel, the Sheraton Centre, in Toronto. The couple of slight problems with the accommodation will be rectified for next year, we are assured.

The exhibitors I have spoken to were very happy with the "open" concept of the display area; I know the members appreciated it. There will be more space available in the display area next year, according to Bill Onn, who did his customary excellent job organizing the exhibit area.

The CCBA Safety Display drew considerable interest again this year. The genesis of the idea for this display was Warren Parker's, and he, along with display sponsors Pineway Electronics and LeBlanc & Royle, provided

NEW 10 kw ARRAY FOR CHOO AJAX

A new 10 kw transmitter and tower array have been completed at CHOO Radio in Ajax (Durham Region), east of Toronto. An official "switch-on" ceremony was held December 21.

The transmitter is a Continental, and two new towers were constructed by Advance Tower of Elmira, Ontario, being added to the existing 5-tower array. The project was directed by Jack Hoepfner of Golden West Broadcasters, Manitoba-based owners of the station, assisted by Arnie Lehn of CHOO.

interesting literature and a film, related to that aspect of our business that we generally ignore, safety.

The Annual Meeting produced its share of surprises, not the least of which was Ron Turnpenny and Glen Robitaille's sincere pitch for a separate convention after next year, rather than a combined one with CAB. If nothing else, this animated discussion brought to the attention of many of us the pros and cons of a combined gathering. Certainly, everybody is thinking about it now. If you would like to understand the ramifications, there are two papers available from members of the Executive.

Highlight of the President's Dinner and Awards Presentation, for Engineering, was the presentation to Sandy Day, our liaison at CAB Ottawa, with the CCBA Engineering Award. Sandy is the third recipient of the award, and the second

man to be honoured in the annual presentation of the award (thanks, Ron).

The Papers Program was well received, and kudos go to Trevor Joice for organizing and guiding it so well. Ladies Day, overseen by Chris Turnpenny, was, by all reports, the best yet. And the annual banquet, Tuesday Night, was spectacular. The highlight of the evening was Bob McKeown's farewell address, as retiring President of CCBA. It was, well...you had to be there!

Now on to the new business. The annual Engineering Shuffle has just wrapped up; I say annual, because it seems to happen in the Fall of each year, in Southern Ontario, anyway. The final scorecard, subject to updates, looks something like this: Chuck Beedle, Jeff Guy's assistant at CJBK, has left the business; Herman van der Kooy, of CFRB, has returned to University; Jean Claude Savoie moved from Oshawa to

POST PRODUCTION!

Transforming conceptual drawings into operating facilities.

Upgrading your post production facility, whether it is an entire system or just a single component, can be very simple when you come to BCB. We put the whole job together for you from conception through completion with the finest equipment on the market.

Apart from the advanced EA-3x Editing Systems that we manufacture in our own plant, we distribute leading products from major international suppliers including Videomedia, CVC, Digital Video Systems, Audio & Design, Tentel, Eigen, Taber, Technicolor and others.

We provide complete installation, cost-efficiency, and factory back-up service through our own technicians. You receive a complete turn-key package, state-of-the-art equipment, guaranteed performance, and a job that's hassle free!

We aim to leave you with the best system your budget will buy...because we'd like you to come back to us for your next one!



BCB ELECTRONIC SALES LTD.

98 HEALEY ROAD, BOX 315, BOLTON, ONTARIO L0P 1A0.
[416] 857-0790



Dave Gillard of CFOS Owen Sound reports that recent renovations have added 2500 square feet, including an area for announcers, new office space and boardroom. Photos show newsroom and news studio with McMartin B-501 console. A



three-bay garage was also built for the mobile studio and other vehicles. Future plans call for construction of a new production studio. Dave comments: "We now have lots of room... all space has become very efficient."

TRESCO Communications Inc.

Les/the Pro's en vedette/Featuring:

- ATHENA: Telecine 15mm. Projectors
- BARCO: Professional Television Monitors
- B.V.S.: Safe Area Generators,
Pulse Measuring Test Set
Delay Lines
- CROSSPOINT LATCH: Production Switchers
- ELECTRONIC VISUALS: Waveform & Vector Monitors
- FREZZOLINI: Batteries & Chargers for all
ENG Cameras & VTR's
and Frezzi-Lights
- IMAGE VIDEO: Routing Switchers
- JVC: Video Cameras
VTR's & Accessories
- LEITCH VIDEO: Video Sync Generators,
Test Signal Generators,
Processing Amplifiers,
Distribution Amplifiers,
and Master Clock Systems
- 3M: Video Tapes
- M. COX: Special Effects, Encoders & Decoders
- SKOTEL: SMPTE Time Code Equipment
- STRAND CENTURY: Lighting Equipment
- TELESRIPT: Teleprompters
- VIDEO DATA SYSTEMS: Video Character Generators

TRESCO COMMUNICATIONS INC.
2910 Halpern N., St-Laurent, Qué. H4S 1N7
Telephone: (514)332-3430 Telex: 05-824840

Toronto to take Herman's place; Kirk Stewart of CJJJ went to CKAR Oshawa; Rob Meuser moved from CKOC to CJJJ in Hamilton; Ken Nelson also joined CJJJ as assistant; John McCloy moved from CFRB to CKOC; and Dave Simon moves from CJRT to CFRB in January.

Now, that's only our neck of the woods. Several phone calls didn't turn up anything else, yet. But, I would appreciate your giving me a call at CFRB, to let me know the news from your area. That way, I can pass it on to everybody.

A little nationwide news, now. October 16 and 17 saw a gathering of AM Engineering types from all across Canada at the Terrace Inn in Edmonton. The purpose was a seminar on the Continental 317C 50kw transmitter. None other than Joe Sinton was the instructor at the seminar. Joe told me later that he hadn't enjoyed himself that much in a long time. I'm sure those who were in attendance with me will agree that it was time well spent. I'll leave the details to the boys from WABE. Suffice to say that there were a number of us there from the east, including George Jones of CHUM, George Hadlow of CBC Hornby, Bob Burger of CHML, John McCloy of CKOC, Tom Hoar of CFTR, several members of CBC Engineering, Toronto and Montreal. Congratulations to all of the Engineering people from the Edmonton radio stations, and especially to Clint Nichol, who spearheaded the organization of the Seminar.

If you have any Engineering news you would like included in this Newsletter, please feel free to contact me at CFRB, Toronto, 416-924-5711; or write to me at CFRB Engineering, 2 St. Clair Avenue West, Toronto, M4V 1L6.

Bruce Dingwall, CET, is chief technologist at CFRB Engineering and publicity chairman for the CCBA Engineering Section.



Photo, left, shows transmitter building being hoisted onto L&R truck for trip to helicopter pick-up point. All the installation was done and the transmitter run in while it was sitting on the CIGV parking lot. At pick-up point, beside Okanagan Lake, building, complete with transmitter and standby power generator, sits on L&R truck; total weight of building is 2.5 tons. Alpine Helicopter from Westbank, near Kelowna, hooks on for 11-minute lift to site atop Okanagan Mountain, 5400 feet above

sea level. Next few minutes were suspense-filled, as the whole thing could have been dumped if anything happened to the rigging or if the building twisted its harness; any mishap before letting the building down on target could have forced the pilot or engineer on board to take drastic action. After the successful let-down, L&R crew uses winch to lift sections of the 100-foot tower into place.

Great day for Great Valleys!

by Ralph J. Robinson

CIGV-FM went on the air on October 18, 1981.

(That date wasn't too popular with my wife, since it was our 29th anniversary; however, she had been patient throughout 11 years, two AM applications, and finally the FM application that was heard in Vancouver on November 25, 1980, and came to a successful decision on St. Patrick's Day in 1981.)

CIGV-FM is aimed at the Regional District of Okanagan-Similkameen, which is the southern part of the Okanagan Valley and the Similkameen Valley to the west of the Okanagan. Satellite stations at Keremeos and Princeton are fed from our main transmitter site, which is over a mile above sea level. The site is *terrific*—no matter how you spell it—giving us a

signal over 10,000 square miles and 221,306 people. (These are census figures based on a 15% increase over 1976.) Our main coverage or service area in the District has a population of 52,000 (1976 Census).

We don't pretend to serve people beyond our immediate area, but we sure like to get those 'phone calls and letters. By the way, this does not count any coverage in Washington State, but we do get listener response as far south as Okanagan and Omak, 100 miles from Penticton and about 60 miles into Washington State. So we are helping to reverse the "invasion" of Canadian airwaves by U.S. stations, and it's a bit ironical that one of our biggest advertisers is a shopping centre on the U.S. side of the border about 50 miles from Penticton.



Local dignitaries pose in front of Great Valleys Radio building at 125 Nanaimo Avenue West in Penticton. Ralph Robinson is fourth from left. CIGV is a country music station operating on 100.7 MHz with a power of 10.6 kw.

As for suppliers and contractors—they were all great! We came through under budget and really would like to recognize:

- Broadcast Technical Services Ltd., Vancouver, especially Mike Fawcett, who was in charge of the whole installation, and George Sumyie;
- L&R, the tower people, especially Bob Irvine, Jack Jamieson and manager Roy Jeffrey;
- Roy Sandberg, P. Eng., project manager from HN Engineering Inc. (formerly Hoyles Niblock).

Then, there are dedicated civil servants in both the federal and provincial service, and our elected representatives who came forward on behalf of their constituents in support of an alternative, competitive, free-enterprise radio service for this area.

Staff-wise, we have Greg Thurlow from Saskatoon, Rollie Gillis and Del Phillips from Parksville-Nanaimo, Glenn Bjarneson from CBC and CFRN out Edmonton way and—what to me is especially significant—Phil Stannard, former weekly newspaper editor, publisher and owner in such places as Swift Current, Penticton, Nanaimo and Okanagan Falls, is our second newsman and is having the time of his life, adding real depth to radio editorials and 'phone-out features (we don't have 'phone-ins).

It is interesting to note that we are in the same building that was occupied by the first station in Penticton from 1950 to 1960. We had only minor renovations to do, even though it was used as a law office and a medical clinic in the interim. For me, it had particular significance: I came to this building 30 years ago as the junior nighttime jock.

Editor's note: Our congratulations to Ralph Robinson, president and general manager of CIGV-FM, his staff and associates, and our thanks for an interesting and enjoyable story.

business report

CANADA

• **CISL Richmond, B.C.**—latest innovation is "Bugle Radio", 15-minute Saturday show completely prepared by Grade 7 pupils under teachers' direction.

• **CJRT-FM Toronto**—producing series of ten "Sound of Toronto Jazz" concerts featuring Jerry Toth Quartet; recording engineers are Phil Sheridan of McClear Place Studios and Jeff Stubbins of CJRT-FM.

• **CKND-TV Winnipeg**—"Belong", produced/directed by Al Bleichert, has won two major awards: Silver Plaque in local TV special events category at Chicago Film Festival, and Silver Award in TV local documentary category at Film and TV Festival of New York.

• **Alex L. Clark Limited**—appointed Canadian distributor for the complete Agfa line of magnetic products, including

compact audio cassettes to 2" quad video.

• **Comad Communications**—appointed exclusive representative for Lightning Elimination Associates (LEA), manufacturers of lightning dissipation arrays, guy snapping chokes, surge and transient eliminators for power systems and data/RF transmission facilities.

• **Corvis Communications**—Commander II computerized editing unit supplied to Videogenic Corp. David Greenham, Videogenic engineer, reports unit requires minimal learning time, provides 100% increase in post-production effects, with 3-machine control.

• **Electro & Optical Systems**—is supplying 10 high-resolution Barco color monitors, in 37 and 51 cm sizes, to Radio-Québec, ordered through Tresco

Communications Inc. of Montreal. E&O also reports that CFTO-TV has become Canada's largest single user of Quantel equipment, with the purchase of two additional digital special effects units DPE-5000SP and field store synchronizer 1550. Other recent sales include six additional 20-inch (51 cm) monitors for TVOntario, and an additional input to an existing Quantel digital effects unit at CFTM-TV Tele-Metropole, Montreal.

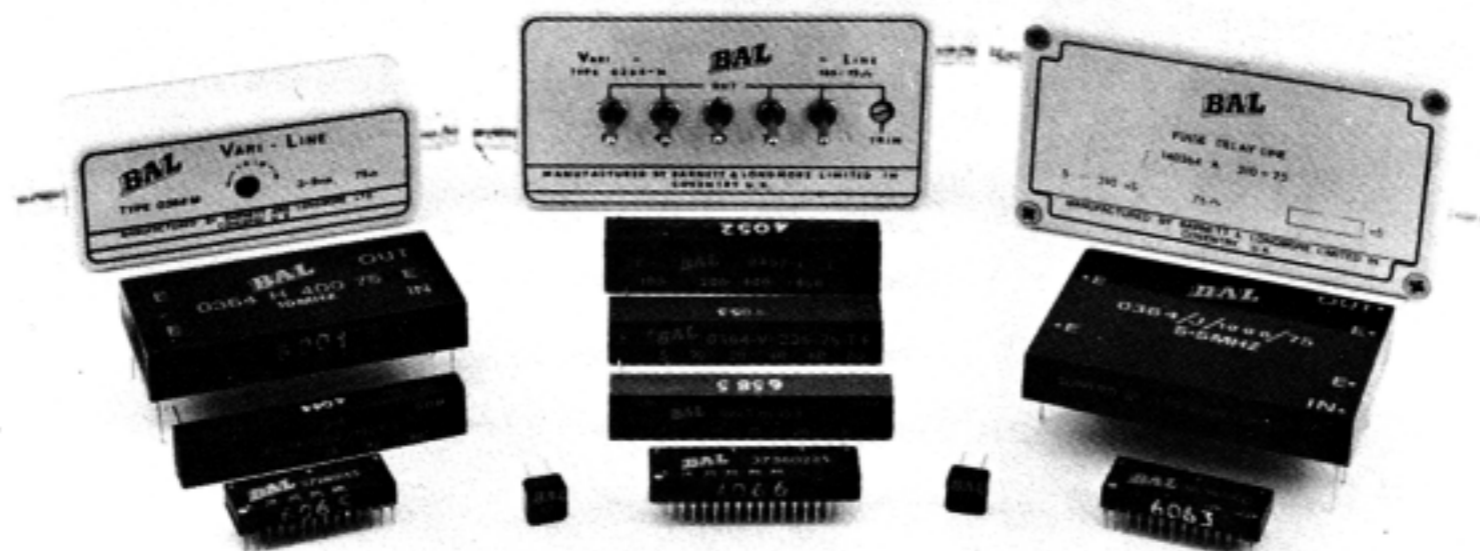
• **Heinl Electronics Inc.**—Markham, Ont., firm has entered studio and broadcast markets with appointment as exclusive Canadian distributors for Trident Audio Developments, Rebis Audio, Audiofad studio faders, and Chilton Consoles (Canada and U.S.A.); Brock Fricker named national sales manager for professional lines.

• **Jerrold**—awarded \$8.4 million

WHY DELAY?

SAVE SPACE & MONEY WITH

BAL



BAL video and pulse delay lines are available in an infinite variety of sizes, package configurations and delay times. Of particular interest is the recently introduced line incorporated into DIP packages. Once installed delays can be changed by inserting a new delay line into the existing DIP socket.

A comprehensive selection of BAL delay lines is stocked in our Toronto office.

DISTRIBUTED EXCLUSIVELY IN CANADA BY



(1977) LIMITED

P.O. BOX 6700, OGDENSBURG, N.Y. 13669, U.S.A.

160 DUNCAN MILL ROAD
DON MILLS, ONTARIO, CANADA M3B 1Z5
(416) 444-8497 TELEX 06-986741

BROADCAST BEAT

by Phil Stone

Did you realize that the CRTC licensed not one but two FM stations in Edmonton—graphically illustrating how the West is growing? CFCN Communications will offer contemporary country and **Robert McCord** MOR country music...**Mike Daigneault**, CBC news and current affairs director, will join Visnews TV in London, England, on February 1st. The CBC was a founding member of Visnews, which supplies film and tape reports to 226 TV organizations in 94 countries around the world... The long-time rumor that Hewpex would drop veteran Hall-of-Famer **Early Wynn** from its *Blue Jays* play-by-play came through and **Jerry Howarth** will now work with **Tom Cheek**... Congratulations to **Jean Caine** and son **Michael Caine** on the 25th anniversary of CHWO Oakville... **Ann Fenton**, daughter of **Charlie Fenton**, is on the sales staff of CJCL Toronto... **Lou Tameanko**, president of RBC reminds us that Radio Day for the Broadcast Executives Society is March 11th at the Sheraton Centre, with the great **Chuck Blore** scheduled keynote speaker... According to **Len Moore** of TvB, 70% of TV households in Toronto are cable subscribers... I hear that **Peter Gross**, the CITY-TV sports director, had a good day at the race track: he didn't go...

Sony of Canada estimates that sales of "Walkman" pocket stereos, 250,000 units in 1981, could double in 1982. That could mean revenue of \$100 million this year, industry-wide... **Larry Smith**, v.p. of planning for Cablecasting Limited, is chairman of the Canadian Cable Television Association's 25th annual Convention, Trade Show and Cabletheque, to be held at Toronto's Sheraton Centre May 31 to June 3... **Jack Masters**, a veteran broadcaster (CKPR, CKPR-TV and CHFD-TV) has been appointed parliamentary secretary for communications; he's M.P. for Thunder Bay-Nipigon... The late **Conn Smythe** used to say, "When the going gets tough, the tough get going." True, but as one often finds, when the going gets tough, everyone leaves... Some two million Americans have videocassette recorders, and it is expected that the number will jump to anywhere from 20 to 24 million by 1990... Why do the breweries bid so strenuously for sports events? It is reckoned that a one per cent increase for an ale is worth about \$4 million in revenue in Quebec and \$6 million in Ontario...

Interesting to learn this about the print media: a decade ago, the *Star* had about 70% of the Toronto advertising market; today, it has some 40%, with the *Globe and Mail* and the *Sun* just about evenly splitting the balance at 28% each... Standard's new radio station in Ottawa, to be managed by **Sid Margles** who had been the head man at Standard Broadcast News, will be called CJSB (Standard Broadcasting) and will devote 40% of its time to news and talk. Due to open Sept. 1, 1982, the station's address is P.O. Box 54000, Station F, Ottawa K2C 3S2... **Suzanne Perry**, the TV newswoman so often in the news, is now writing occasional columns and reviews for the *Ottawa Citizen*... Although losses have been close to \$14 million, CKO Radio still believes its all-news format can work. **Taylor (Hap) Parnaby**, president now, says the net is beginning to turn around and hopes to fulfill the original plan to add stations in Halifax, Winnipeg, Regina, Saint John, N.B. and St. John's Nfld.... How true is Gold's Law? "If the shoe fits, it's ugly."...

Ian Mandin, the highly capable Radio Arts man at Lethbridge Community College, writes "I have been busy being a back-up weatherman for CFCN-TV Lethbridge. It seems that CFCN likes to use broadcast educators in their weather—Calgary uses **Don Wood** of SAIT as full-time weatherman. I have commented that I'm the part time weatherman with the part-time weather. (Our chinooks cause weather to change rapidly.)" Ian tells us that former CHEC news director **Bruce Mitchell** has taken over the anchor chair for CFCN-TV Lethbridge news, replacing **Gord Colledge**, successful applicant for a new AM station in Medicine Hat... Hallworth Advertising made **Julie A. Strong-Board** president and **Michael A. Lofranco** vice-president; Mike's appointment brings us a thrill, as he was one of our students back in our Humber College days... Veteran agency man, **D. Lee Master**, is now director of client services for Foster Advertising... Look for the CAB to widen the code of ethics for broadcasters... Back in the 1950s, when we became involved with the Canadian Public Relations Society, one of the people we came to know and respect was **Jack Yocom** (then in charge of p.r. for British-American Oil—later Gulf), and in a visit to his home we met his family, including a very charming youngster named John. **John Yocom** has since gone far: not only is he senior v.p. and g.m. of Young & Rubicam, Toronto, but was also made a v.p. of the parent company, Y&R International...

Bob Rice, he of the CKEY traffic helicopter, drops us a note to advise that he has entered the travel writing idiom as an extension of the weekly column he does for five newspapers north of Toronto. He and his wife, Deidre, have now put together a concept for a travel quiz show that Bob says is unique; called *Destinations*, it has made its debut on Global in Ontario as well as on several other stations across Canada... Moffatt's Calgary station, Radio CHFM, Stereo 96, has expanded its reach with the installation of a 100-watt rebroadcaster atop Sulphur Mountain to add Banff/Lake Louise markets... **Bill Sergison** went from McCann-Erickson to McKim as director of research... Really great that **Ernie Steele** acknowledged the contributions of **Gerry Acton**, **Sandy Day**, **Pierre Nadeau** and **Wayne Stacey** and made them all vice-presidents. Stacey became executive v.p., a role in which he will co-ordinate CAB activities, help establish priorities and manage the association's resources. Gerry is v.p. for membership and administrative services; Sandy for engineering services, and Pierre for government relations and public policy... **Bill Bodnarchuk** was made station manager of CHUM Ltd.'s Halifax outlets, CJCH and C-100 FM... **Joe Zeigler**, president of the National Hockey League, has stated that regional cable TV is the medium through which the hockey league hopes to increase its exposure and decrease its deficit...

A warm letter from **Dennis Barkman**, president and general manager of Fraser Valley Broadcasters Ltd., and a great friend of the industry in all areas, enclosed a copy of his company's monthly news letter, *Dial-Log* and it is an excellent promotion piece. Says Dennis: "I even enjoy your jokes (that must say something about my sense of humor.)" ... New gimmick in L.A. in *Encore News* which repeats the big news stories of

BROADCAST BEAT

yesteryear—it's a syndicated TV series being peddled successfully across the U.S....RCA is spending \$750,000 in advertising to promote its videodisc players and hopes for sales of 40,000 in 1982 against previous 15,000...

Former CRTC chairman, **Harry Boyle**, addressing a Canadian Club luncheon in Toronto, confessed he was always at a loss to understand the language of the bureaucrats when he was stationed in Ottawa, and as a diversion recited this refrain to himself:

*Implement, finalize, thrust and embue,
Interface, maximize, meet and review,
Orchestrate, optimize, cost and compute,
Dialogue, quantitize, rate and refute...*

Dick Drew writes to tell us that the power increase of his CKAY Duncan, B.C., to 10 kw "is already having a remarkable effect on reaction by our listeners in the outlying areas" who can at last hear CKAY without interference. When I couldn't attend the 10 kw celebrations, Dick sent the name badge I would have received, adding "I drank your champagne on your behalf and suffered your headache the following morning." Now that's friendship...A matron I know was chatting about clothes and I asked why so many women spend so much time shopping for clothing. "My dear," she said, "it's mostly because most of us look younger, dressed"...Taft Broadcasting's holdings include Hanna-Barbera Productions, creators of Yogi Bear. The cartoon figure earns Taft a gross of \$35 million a year...**Don Curtis** is now handling the McDonald's account at Vickers & Benson...**Allan Chapman** became v.p. and g.m. at Glen-Warren Productions...Veteran agency man **Ted Keller** joined D'Arcy-MacManus & Masius as manager of research services...**Dave Butler**, president of Marshall Fenn Ltd., announced an association with long-time advertising, promotion and public relations specialist, **Rene Paradis**, who will act as the agency's Quebec rep...**Geoff Sterling's** talented, artistic son, **Scott**, is the fellow who is attempting to get a comic strip, *Captain Newfoundland*, launched in North America. Through a holding company, Apache Communications, Geoff and son have sunk half-a-million into *Captain Newfoundland*...**Eldon Thompson** told an Ottawa service club that a direct broadcast satellite service, which would transmit signals to individuals through a 1.2-metre dish selling for about \$500 or to cable companies for distribution over their systems would be, in his words, "an opportunity to establish Canadian viewing patterns" before U.S. systems start up...It was **Dean Martin** who claimed you're not drunk if you can lie on the floor without holding on...

Jay, the eldest of my three pebbles, is an assistant city editor at the Ottawa *Citizen* and often reviews books for his paper. One he did recently was by **Harry Reasoner** of *60 Minutes*, and it makes for some interesting reading. There's an anecdote about **Fred Friendly**, who became famous for his work with the late **Ed Murrow**, but who was apparently in many ways very naive. Reasoner tells the story of a woman in L.A. who wanted an abortion, but her doctor refused to do it and eventually sent her to Mexico to have it performed. When it was over, the doctor packed in the surgical area and told her to go to a doctor in L.A., whose name he gave her. Back home, she decided she'd rather go to her own doctor to have the packing removed. When the medico took it off, he discovered it contained eight ounces of heroin. The story came to Reasoner's ears and he told Friendly it was a good yarn. Friendly, missing the point of a clever attempt at drug smuggling, observed: "I didn't know heroin was good for abortion." The book is titled *Before The Colors Fade*...

CFNY-FM Brampton is installing a new \$1 million antenna, scheduled to be in operation in March from downtown Toronto...**Mel Lazarenko** who was sales manager for Yellowhead Broadcasting (CJYR Edson, Alta.) became g.m....**Frank**

Gardiner left CKEY as sales rep to become senior v.p. at the Ayliffe and Elias Advertising agency...The retirement of **Lyman Potts** deprives the industry of a man who has made glorious contributions to its growth and progress...**Dick Hallbed**, with the CBC for some 35 years until he retired in 1976, has written a book *Radio—The Remote Years*, primarily covering the CBC from 1941 to 1967...You have to be 59 to believe that a person is at their best at 60...

Broadcasters who dealt with O'Keefe Centre over the years will remember the affable and talented **Hazel Forbes**. She died recently of cancer at age 67...Another effect of high-tech is that many more U.S. radio stations will come in by satellite into Canadian markets—an estimated 26 by next year...A single Nielsen point now is worth \$35 million in revenues to a U.S. TV network—which means that a programmer has to know how to work the squares of scheduling and promotion as well as devising new programs...If you catch **Percy Saltzman** catching the chalk in a gloved hand on his Global TV weathercasts, it's because, says the rumor, he is now allergic to the very substance that made him a major TV figure...When we were in Palm Springs last year and did a story on KWCY for BT, the owner told us that one of the old-timers who often dropped in to do a show was the veteran actor and character comedian, **Harry Von Zell**. Cancer took him recently at the age of 75. Remembered for his work in the *George Burns and Gracie Allen Show* in the '50s, Von Zell was perhaps better recalled for his monumental gaffe on the air when he introduced President Herbert Hoover as "Hoobert Hever"...

A lot of people figure honesty is the best policy—if they can make some money out of it...**Jane Ready**, long-time senior copy-writer at Eaton's, is now senior account executive at John McNally and Associates...According to **David Black**, president of the BC and Yukon Community Newspaper Association, the community newspaper will survive the era of cable electronics; it is dailies that are threatened, especially those with many pages of classified. These can be easily fed into a cable system, and, constantly updated, be sent out to a home audience. Black said with cable there is no waiting for a paper to be published...The Ol' Phil-Ossifer says: the world is full of men making good livings, but poor lives...

By the time you read this we hope **Bob Reinhart** will have recovered from his illness. He has always been a staunch and loyal friend...**Don Daynard** of CKFM is also hosting *Rough Cuts* Saturday nights for TVO...Watch for an album on the Canadian Talent Library label starring the Orford String Quartet and featuring **Moe Koffman** on flute...Remember **Jack Dawson** at CFRB? His son **Gerry** is now at Tele-Capital Unicom, Toronto as a salesman...**Brian Holloway**, who saw sales work at CHFI and CFTR, is now sales manager at Metro 1430 AM, Telemedia's Toronto station...Electrohome figures that by 1985 at least 60% of sales will be industrial products such as components for video games, video display terminals, data projection systems and studio television monitors. In 1980, industrial products made up 48% of sales...**Barry Shortt** has joined Green Huckvale Advertising as director of marketing...**Daniel Rabinowicz** became group account director at J. Walter Thompson, Montreal...Senior copywriter at Scali, McCabe, Sloves ad agency is **Peter Lanyon**...There is now a steering committee to organize the first Canadian Chapter of Women in Cable. In the U.S., where it started two years ago, Women in Cable has 16 chapters and over a thousand members...**Al Slaight** promoted **Elizabeth Hannan** who had been treasurer for Radio IWC to v.p., finance...**Mac Lindsay** of CFCN was elected a regional director of the Canadian Ad & Sales Association...The combination of the DOC and CAB was effective in convincing 26 other countries not to change AM spacing to 9 kHz. The change would have cost this country's 350 AM stations \$30 to \$40 million dollars.

in the news

CBC's GROVER RETIRES

After 36 years of service with the Canadian Broadcasting Corporation, Norman R. Grover, vice-president of engineering, retired December 31, 1981.

Born at Fort Qu'appelle, Sask., in 1921, Grover was educated at Campion College in Regina. After service in World War II, he joined the CBC in Halifax in 1945, moving to the International Service in Montreal in 1947 and EHQ in 1949. He continued his education at Sir George Williams and McGill Universities, qualifying as a professional engineer in 1954. During his 32 years at EHQ, he was involved in virtually every major development of CBC facilities.

At the request of CBC president A.W. Johnson, Grover will continue his work with the special engineering committee preparing for the June, 1982 meetings in Toronto of the Commonwealth Broadcasting Association.

Named to succeed Grover is Guy Gougeon, 43, who has been with the CBC since 1962. Gougeon was responsible for all technical installations at Maison Radio-Canada and was appointed director of engineering for the French Services Division in 1974.

REPLAY: CDN CONTENT

Some 34 submissions were heard during the CRTC hearing on Canadian content requirements for television broadcasting.

Generally, private broadcasters called for little or no change in the rules until the impact of new technologies can be evaluated. Some of the views expressed:

- Global TV suggested a reduction in quantity would permit them to spend more on quality;
- Bill McGregor of CKCO-TV Kitchener noted that revenues from U.S. shows help to pay for Canadian production, and that Canadian programs outside of prime

time sometimes win larger audiences than those in the more competitive prime time hours;

- Bob Elsdon of CFPL-TV London said that the CBC's 33 affiliates should be paid for non-commercial network time—now as much as 80% of prime time.

- CBC president Al Johnson wanted prime time redefined as 7:00-11:00 pm, with a 5-year plan to nearly double Canadian content during those hours. The CBC plans to revive its proposal for a second TV service, now dubbed *Project Phoenix*, to be fed via satellite to cable systems during prime time.

- Ted Rogers urged that cable systems be allowed to become full-fledged producers of TV programs, financed by the sale of commercials, and that cable also be allowed to carry any and all U.S. satellite signals. Individual ownership of TVROs he termed a "crazy" idea.

Present content regulations, imposed in 1970, require TV stations to carry

Designed by
professionals for
professionals



Audio

ARRI/NAGRA INC.

6467 Northam Drive, Mississauga, Ontario L4V 1J2
Phone (416) 677-4033

Telex: 06-983694

ADO 45 PICO PLUS SPECIFICATIONS

MAXIMUM OVERALL GAIN	84dB
INPUT GAIN	
To give maximum gains of	-84, -74, -64, -20dB
MAXIMUM INPUT LEVEL	
(at relevant sensitivity)	-30, -20, -10, +20dBm
INPUT IMPEDANCE	1K MIC LEVEL 10K LINE LEVEL
MAXIMUM OUTPUT LEVEL	12v rms into 600R
OUTPUT IMPEDANCE	150R
OVERALL FREQUENCY RESPONSE	30Hz - 20KHz
+0 - 2dB	
(with no EQ or all controls in 'mid' position)	
HARMONIC DISTORTION	
	≤ 0.05% @ 1KHz 0dBm output
	≤ 0.14% @ 1KHz +15dBm output
EQUALISATION CHARACTERISTIC	
	HF ± 12dB @ 10KHz (Variable Slope)
	MF ± 14dB @ 2K4Hz (Peak and Dip)
	LF ± 10dB @ 100Hz (Variable Turnover)
OVERLOAD INDICATOR	
	LED illuminate when P.F.L. level exceeds +15dB
OVERALL NOISE	Better than -125dB (Referred to input)
HI PASS FILTER	Cut off 100Hz
MONITORING	
	Post Office type 'B' Jack Socket suitable for driving 600 ohm headphones.
	BBC type Peak Programme meter, VU meter, or N10 Nordic Scale meter
DIMENSIONS	Size: 336 x 260 x 114 mm (excluding handle)
WEIGHT	6 Kgms

Canadian programs at least 60% of the time between 6:00 am and midnight, and least 50% of the time between 6:00 pm and midnight.

And a TKO for CRTC...

Technically, Canadian TV stations didn't have to follow the Canadian content rules at all, after a Sudbury judge threw out the CRTC's case against CICI-TV. The judge pointed out that the Broadcast Act defines a station as the holder of a licence under the Radio Act—but the Radio Act was replaced by the Broadcast Act in 1967.

Red-faced CRTC lawyers were expected to drop similar charges against CJON-TV St. John's and CKWS-TV Kingston—while seeking "immediate changes" in the wording of the Act.

TO AREA TV RAPPED

The CRTC has issued short-term renewals to television stations in the Toronto area, again complaining that the stations have failed to develop quality Canadian programs, particularly drama, musicals and children's shows. CBLT, CFTO-TV, CITY-TV, CHCH-TV Hamilton and CKVR-TV Barrie were renewed for 2 years and 9 months; Global TV for only one year.

TV ONTARIO EXPANDS

The CRTC has approved rebroadcasters of TV Ontario at North Bay (channel 6) and Owen Sound (channel 12). Cost of the installations will be in excess of \$2 million.

Meanwhile, satellite coverage by TVO will be extended to 170 northern communities in a three-year plan funded by the province's Ministry of Northern Affairs. The program, which will take advantage of the wider coverage provided by the Anik C satellite when it is launched in 1983, follows direct broadcast satellite (DBS) trials using Anik B. Low power rebroadcast transmitters, maintained and operated by TVO, will be provided to communities of 300 or more population. The community will be expected to provide a secure, heated location for the transmitter, power, and a suitable antenna site.

PUBLIC TV MEET IN TO

Canada will host the 1982 meeting of INPUT—the organization for public tele-

vision in Europe and North America—which takes place in Toronto March 28-April 3 at the Park Plaza hotel.

Over 300 are expected to attend the conference, which coincides with the 50th anniversary of public broadcasting

in Canada and the 30th anniversary of CBC-TV. Canadian board members are Leslie Lawrence of CBC Toronto (vice-president of INPUT) and Kees Vanderheyden of Radio-Québec, Montreal.



CROWN

CROWN PZM

PRESSURE ZONE MICROPHONE




The Crown PZM, or pressure zone microphone, works on a new principle of sound detection, utilizing the pressure zone at an acoustic boundary to eliminate distortion problems common to other microphones.

The active element in a PZMicrophone is a pressure calibrated electret capsule, mounted so it faces the boundary and lies within the pressure zone. All incoming sound is received indirectly, free of distortion caused by phase interference.

The sound pickup pattern of the PZM is hemispheric, and sound sources moving on the surface of a sphere surrounding the PZM will cause no alteration in the quality of the sound. Should a cardioid pattern be desired, a foam template can be placed behind the transducer to limit very effectively the sensitivity from one direction.



6 BANIGAN DRIVE TORONTO ONTARIO M4H 1E9 PHONE 421-9080

Circle #71 on Reader Service Card.

RECONDITIONED DIGITAL TBC's

Why purchase a new timebase corrector when you can buy a reconditioned unit?

Yes, we have reconditioned CVS 504B NTSC universal digital video signal correctors.

Thousands of these units were sold in North America.

Window of correction $\pm 1.5h$, 57 dB signal to noise ratio.

Completely reconditioned in Toronto and carrying an unconditional 90 day warranty.

Price \$7950.00

Note: Some may have velocity compensator for slightly more.



ADCOM ELECTRONICS LIMITED

29-16 Connell Court,
Toronto, Ont. M8Z 5T7
(416) 251-3355

Circle #231 on Reader Service Card.

IN THE NEWS

NEW FMs ON AIR

Two new FM stations commenced operations in November. They are:

- CFQX-FM Selkirk, north of Winnipeg, on the air Nov. 9 with an easy listening format. Manager is Denis Cloutier and staff numbers 10 full-time, 5 part-time.
- CISQ-FM Squamish, north of Vancouver, on the air Nov. 30, with rebroadcasters at Whistler and Pemberton to be added in the spring. Louis Potvin is president, Jeff Vidler manager/p.d., and Jim Johnston news director.

ROGERS BUYS ALL-VIEW

All-View Interface Systems Inc., a manufacturer of master antenna (MATV) systems for apartment buildings, has been bought out by Rogers Cablesystems, which now acquires the rights to service 14,000 apartment units in Rogers' franchise areas.

Long a thorn in the side of cable operators, All-View was 51% owned by Baton Broadcasting. The purchase did not require CRTC approval, and other cable operators are expected to take similar action to acquire All-View subscribers.

ACCESS VIA SATELLITE

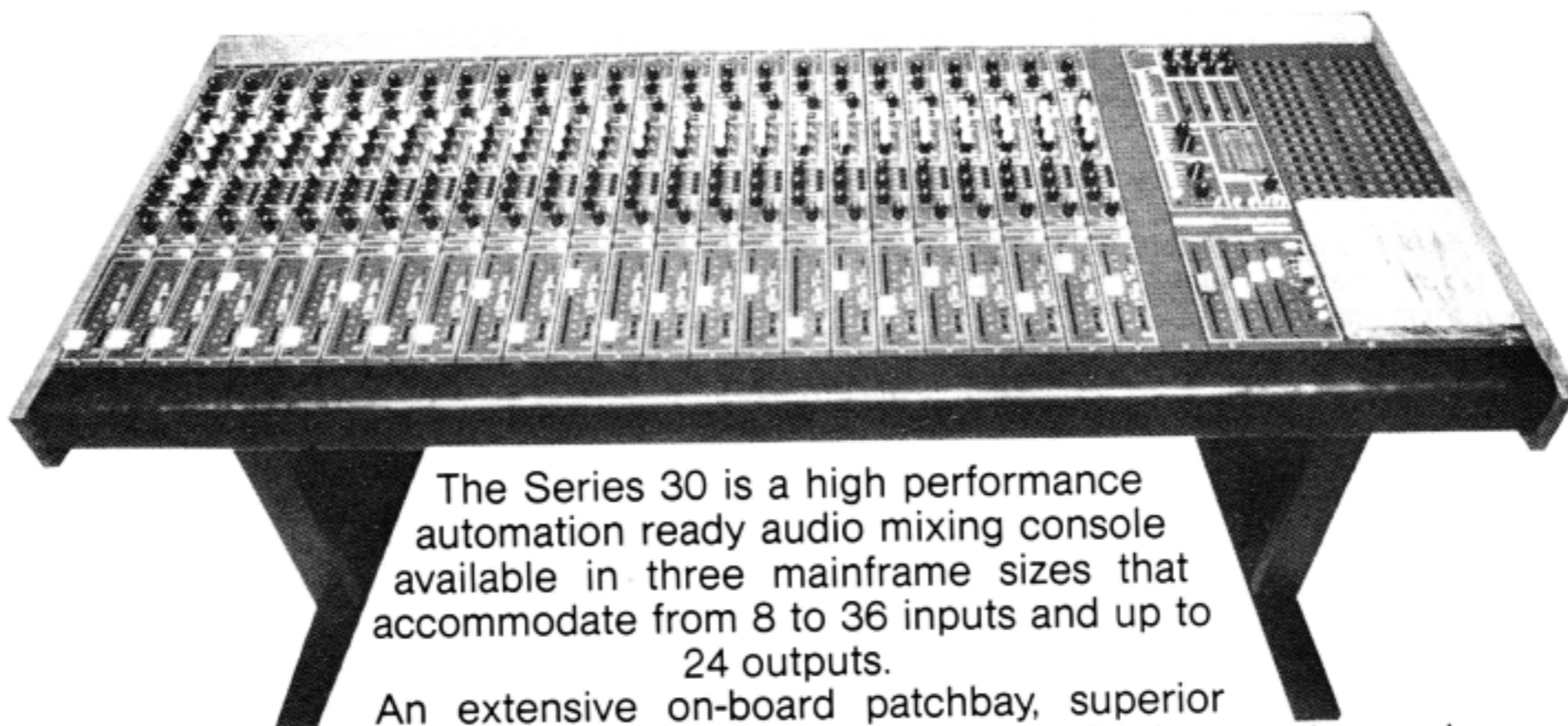
A 6-month experiment to transmit instructional programs by satellite has been launched by the Alberta Education Communications Corp. (ACCESS). Residents in seven locations will participate in *Project Outreach*, a two-way program similar to that of B.C.'s *Knowledge Network*, described in the May/June 1981 issue of *Broadcast Technology*.

B.C. AIRS ROAD REPORTS

The British Columbia highways ministry has established road reports for a treacherous section of highway 99 between Horseshoe Bay and Squamish. Two low power transmitters will operate on 1490 kHz. As provincial governments cannot hold broadcast licences, it is expected that the CBC will be the licensee.

Obituary: Stanley Louis Rantin, 48, an instructor in broadcast journalism at Ryerson Polytechnical Institute in Toronto for the past 13 years, died of a heart attack on December 7, 1981.

The Sound Workshop Series 30 Recording Console



The Series 30 is a high performance automation ready audio mixing console available in three mainframe sizes that accommodate from 8 to 36 inputs and up to 24 outputs.

An extensive on-board patchbay, superior service access and the ability to add options such as VCA input subgrouping and integrated meterbridge allow the Series 30 to be used in applications other than multi-track recording such as remote recording, broadcast, video and film post production.

The Series 30 offers in a concise modular format the sonic excellence, reliability and flexibility of operation needed by the production studio with current budget or space restrictions.

Prices range from \$12,000 to \$50,000. Call or write for the Series 30 colour brochure.

GERR ELECTRO ACOUSTICS 363 Adelaide St. East, Toronto, Ontario. (416) 361-1667

Circle #234 on Reader Service Card

JANUARY/FEBRUARY 1982



From **Michael Caine** of CHWO Oakville: "On November 17th, CHWO/1250 Halton Radio, celebrated its 25th Anniversary of broadcasting. It was an exciting and nostalgic day for all of us at CHWO as about 450 dignitaries filled the Grand Ballroom of the Oakville Holiday Inn to enjoy champagne, caviar and a two hour 'live' broadcast that featured the music of Edward Harding and McLean; highlights of the last 25 years of community service by CHWO; and congratulatory messages from many VIP's. The occasion also marked the involvement of the Caine family in broadcasting for a quarter

of a century. The first words heard on CHWO back in 1956 were those of the station's founder, the late Howard Caine; they were replayed at the same time, 12:50 pm, during the Silver Anniversary celebrations. Also heard were my mother, Jean Caine, president and general manager of CHWO; my sister, Pamela Stokes, who presented our Howard C. Caine Community Service award; myself—and I introduced a third generation broadcaster, my son Matthew, age 7 (the age I was, when my parents began CHWO), who did a station break at the conclusion of the program."

crtc

1982 HEARINGS

The CRTC has scheduled the following hearings re: broadcast during the first half of 1982. (Details are subject to change, and those planning to attend hearings should verify the exact time and place.)

January 25	St. John's, NF. Hotel Newfoundland
February 1	Regina Sheraton Centre
February 9	Toronto Sheraton Centre
March 9	Hull, Que. Conference Centre
March 23	Hull, Que. Conference Centre
April 20	Vancouver Hyatt Regency
April 27	Moncton, NB. Howard Johnson's

May 4	Halifax Lord Nelson Hotel
May 11	Winnipeg North Star Inn
May 31	St. John's, NF. Hotel Newfoundland
June 8	Edmonton Château Lacombe
June 15	Hull, Que. Conference Centre

presented their cases for a third Halifax television station at a November hearing in that city.

- New Brunswick Broadcasting, which operates CHSJ AM-TV in Saint John and is owned by the Irving interests, applied for channel 20, 192,000 watts ERP. It proposed 15 hours of religious programs weekly and a weekly show featuring local musical talent. Ralph Costello, president, said the proposed station could combine with CHSJ-TV to improve regional news and purchase better programming, especially when CHSJ-TV loses its CBC affiliation, possibly as early as 1984.

- A local group, headed by Arnie Patterson of CFDR and Charles Keating of Dartmouth Cable TV, proposed a \$3 million installation for channel 20, 27,500 watts. Keating said it would carry extensive local programming, a policy already demonstrated on the cable system's community channel.

APPLICATIONS

Recent hearings have been largely concerned with applications to carry Cancom signals, received via satellite. The CRTC now estimates the number of applications at close to 1,400, and anticipates that decisions will begin to be announced during January.

HALIFAX TV BIDS HEARD

Three major Maritime broadcast operators

From **telcom research**

THE NEW TCR 660 TIME CODE READER



- Time or User data selected from front panel
- Remote and front panel Run/Hold
- Operates on and indicates 4 standards
- Indicates color framed time code

PLUS: • **LOW COST** • **LARGE, BRIGHT DISPLAY** • **SMALL SIZE, LOW POWER CONSUMPTION**

Distributed by:



(1977) LIMITED

160 DUNCAN MILL ROAD
DON MILLS, ONTARIO, CANADA M3B 1Z5
(416) 444-8497 TELEX 06-986741

THE NEW TCG 550 TIME CODE GENERATOR



- Generates standard SMPTE or EBU time code
- Operates on 4 standards
- Color framing
- Auto-preset to 23:58:30:00

• CHUM Ltd's Atlantic Television System, which already operates the Halifax CTV affiliate, CJCH-TV, proposed a station on channel 20, with 90,000 watts. It would carry ATV-2, a new programming service to be transmitted via satellite to Newfoundland and Labrador. Fred Sherratt, president, argued that Halifax-Dartmouth could not support another local station, but that there is scope for this new regional service

DECISIONS

AM Radio

NEW AM STATIONS FOR CALGARY, MEDICINE HAT

Medicine Hat Broadcasting Ltd. has been awarded a licence to operate on 1390 kHz, 10 kw, with a contemporary MOR format.

A competing application by Sun West Holdings Ltd. was denied, as was an application by Monarch Broadcasting (CHAT) for FM. Monarch had told the CRTC that the city could not support more than one new station at this time and that it would not want an FM licence if a new AM station were approved.

Gordon Colledge will be general manager and a 20% shareholder of the new AM, which will allocate \$20,000 a year to encourage local musical talent.

Calgary Family Radio Ltd. is the CRTC's choice for a new AM station in that city, where two new FM's were also licensed recently. As the frequency requested, 1380, has been pre-empted by the approval of 1390 for Medicine Hat, the applicant is to determine a suitable frequency in consultation with DOC.

Gordon Rawlinson, president of CJME Regina, will be the principal shareholder and will move to Calgary to manage the station. The format, described by the CRTC as "innovative and well researched", will offer input from 110 community associations to provide guidance on social issues and personal problems. An annual budget of \$200,000 will be allocated to develop local talent.

Denied were applications by CKCA Communications, R.E. Redmond, CHQT Calgary and CHAT Medicine Hat; J. Allan Slaight withdrew at the June hearing.

NEW AM FOR NORTH BAY

An application for a second AM station in North Bay, Ontario, has been approved by the CRTC. It will operate with 10 kw ERP on 1110 kHz.

The licensee, Gateway City Broadcasters, is owned by Sid Tompkins, Ed Vitunski, Sergio Perut and Jack Ralph, all of North Bay. Tompkins has been in broadcasting since 1955, having joined CKGN-TV when it went on the air, and in recent years has directed the broadcasting course at Canadore College. He has also served as school trustee, alderman and hydro commissioner.

The station's format will be traditional MOR with emphasis on community programming. A half-hour news magazine will be aired three times a day, and special interest shows will include educational and ethnic programs, and a history of broadcasting produced by Canadore students. Local musical talent will be aired on a live half-hour show, 26 weeks a year, with the station producing at least two single recordings a year by the best performers.

Over objections by the city's existing stations, the CRTC noted it was satisfied North Bay could support another station. On-air target date is September 1, 1982.

APPLICATIONS CALLED FOR EDMONTON AM

The CRTC has set a deadline of January 31 for applications for a new AM station in Edmonton, where the class 1-A clear channel of 1580 kHz is available.

The call follows denial of applications by Radio QR Ltd. for a country format and Robt. E. Redmond for a contemporary MOR format. (A third application by Allan Slaight was withdrawn.) The area now receives some 13 AM signals, and the CRTC ruled that neither proposal would contribute significantly to the diversity of AM services.

Other AM decisions:

• CKCY Sault Ste. Marie, Ont. - change in facilities approved from 10 kw day/5 kw night on 920, to 15 kw day/2.5 kw night on

1. TO INSTALL THE ONE-PIECE CONNECTOR, JUST TRIM THE CABLE...

ELAPSED TIME (SECONDS)
:20

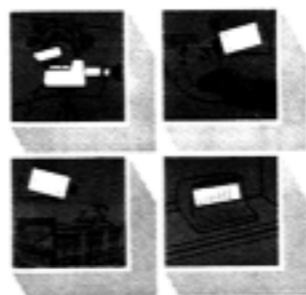
- Completely re-usable
- Available in BNC/TNC, UHF, and N types
- No special tools needed
- One piece design
- Also available in standard crimp versions

Send for free catalogue



B&L Coaxial Connections Ltd.,
25 Howden Rd.,
Scarborough, Ontario
M1R 3E8
(416) 751-5002

RF Coaxial Connectors featuring Twist-On BNC/UHF Types



Here's a new twist-on coaxial connection that's seconds to done.

2. INSERT THE CENTER CONDUCTOR INTO THE REAR OF THE CONDUCTOR BODY...

ELAPSED TIME (SECONDS)
:30

40 SECONDS.

That's all the time it takes to terminate coaxial cables with these unique new Twist-On series of connectors from B&L.

3. AND TWIST THE CONNECTOR ONTO THE CABLE.

ELAPSED TIME (SECONDS)
:40

It's the quick and easy way to slash conventional connection time and costs.

540 kHz, with change of antenna site.

• CJSB Ottawa, Ont. – new station licensed to Standard Broadcasting, 50 kw day/10 kw night on 540 kHz. The technical parameters approved for CKCY will slightly reduce CJSB's expected night-time coverage; also CJSB and CFGO Ottawa (1440 kHz) are to "accept whatever technical compromises are necessary" to avoid a "lock in" of CFGO in the future. (CFGO had intervened to request that CJSB be obliged to remedy any image interference problems experienced by listeners in the vicinity of the CFGO transmitter site.) In its application, CJSB said the headquarters of Standard Broadcast News (SBN) would be moved to Ottawa and staff increased from three to eight, in addition to station news staff of 16. A budget of \$65,000 a year is to be allocated to develop Canadian talent.

FM Radio

TWO OK'd FOR QUEBEC CITY

Two new FM stations have been licensed for Quebec City. Joint operations, they will be owned by Telemedia's CKCV and Civitas' CJRP – both turned down on previous bids for FM.

CJRP applied for 100 kw on 103.3, but has been advised to select another frequency because of possible interference problems. Its FM format will be "easy listening".

CKCV will operate on 107.5 MHz, with 39.8 kw. Its MOR format will emphasize in-depth news, with a plan to develop an FM news network. A budget of \$30,000 is allocated to broadcast cultural events, and production facilities will be available to local musicians free of charge.

Other FM decisions:

• CJAB-FM Inc. has been licensed to operate a rebroadcaster of CJAB-FM Chicoutimi at Chambord, Quebec, 3,240 watts on 95.5 MHz. Denied were three other applications for FM in the Lac St-Jean area – by CKRS Jonquière, Robt. Laforest for Dolbeau, and Benoit Lévesque for Roberval – on the basis that a new commercial station could be detrimental to existing services. CJAB-FM is to provide coverage of events in the Lac St-Jean area.

• CITE-FM-1 Sherbrooke, Que. – power increase approved from 62 to 98.9 kw.

• Coaticook, Que. – French FM, 710 watts on 104.5 MHz, denied. The CRTC questioned the economic viability of a commercial operation, suggesting a revised application for a community station.

• St-Georges de Beauce, Que. – Application by Radio Beauce Inc. for French FM, 100 kw on 99.7 MHz, denied.

• CHMM-FM Winnipeg – change in format from country to adult contemporary MOR approved. Two AM stations in the area have C&W formats.

Television

• St. John's Nfld. – CBC French TV rebroadcaster (ex-CBFT Montreal) approved, 75 watts on channel 4.

• Fermont, Que. – French TV station licensed to community co-operative, 5 watts on ch. 4. Initially, it will rebroadcast Radio-Québec programs on a delayed basis, later adding some regional and local features.

• CKRS-TV Jonquière, Que. – will implement plan approved by CRTC in 1976, to increase power at new antenna site (Mt-Valin) and discontinue use of rebroadcasters, now operated at Port Alfred, Chicoutimi, Roberval and Alma. The plan was blocked by difficulty in reaching an agreement for the Mt-Valin site. A revised application, heard in 1979, is now withdrawn.

Licences revoked: Crowder Communications Ltd., FM at Kitselas, B.C., not implemented; Club Social La Grande, two FM and three TV stations closed on completion of James Bay hydro projects at Camp Goellette, Eastmain and Petite Opinaca, Que.

Cable TV

RULES RELAXED

The CRTC has relaxed some requirements for smaller systems in the areas of simultaneous program substitution and carriage of FM signals on the community channel.

• Systems with less than 6,000 subscribers are now exempt from the requirement to replace U.S. signals with Canadian signals when the same program is being broadcast. Previously, only systems with less than 3,000 subscribers were exempt.

• Systems with under 3,000 subscribers are now permitted to carry FM radio signals on the community channel when community programming is not being shown.

A History of Innovation

1954 Private broadcasters establish Broadcast News as their national news agency with French and English printer services.

1960 BN Voice becomes world's first national audio service.

1970 BN establishes first national Cable television news services—still the only one in Canada.

1973 BN turns up first fully computerized news agency operation—in both languages.

1975 BN launches first French-language audio service and cable news service.

TODAY BN is leading efforts to obtain access on reasonable terms to satellite facilities for all private broadcasters.

BN Broadcast News LIMITED

36 KING STREET EAST, TORONTO, ONTARIO M5C 2L9 (416)364-3172

...Using technology for innovative information programming