

# happenings

- Attendance of 1500 is expected at this year's National Association of FM Broadcasters. It's being held at the Marriott Hotel in Atlanta, Georgia, from September 17 to 20. The Theme: how some of the leading FM stations in the U.S. are turning a healthy profit. A growing feature of the annual meeting is the equipment display: organizers say that this year nearly every important supplier and manufacturer will be represented.

- From September 28 to October 3, the Society of Motion Picture and Television Engineers will be holding forth at the Century Plaza Hotel in Los Angeles, California. Details of SMPTE, now held on an annual basis, are given in an advertisement elsewhere in this issue of *BROADCAST EQUIPMENT TODAY*.

- The third annual Midwest Seminar on Videotape & Film takes place in Chicago, October 17-18 at the Holiday Inn near O'Hare airport. It's aimed at the use of film/tape in business, education, medicine

and other fields. Reservations are \$45, if made before October 1, and further information can be obtained from P.O. Box 11376, Chicago, Ill. 60611.

- *October 26-28 is the date for the Central Canada Broadcasters Association at the Royal York in Toronto. The list of exhibitors appears in this issue of BET and Engineering Section chairman Dale Duffield reports that there will be a panel on electronic journalism with participants from the U.S. networks. Dale couldn't reveal all the details at press time, but indications are the CCBA will really "take off" this year!*

- Effective September 1st, Willi Studer Canada Limited of Toronto and Revox Canada Ltd. of Montreal have been consolidated under the name Studer-Revox Canada Limited.

A wholly-owned subsidiary of Studer International AG, of Switzerland, Studer has specialized in professional tape recorders. Revox recorders were designed by Studer,

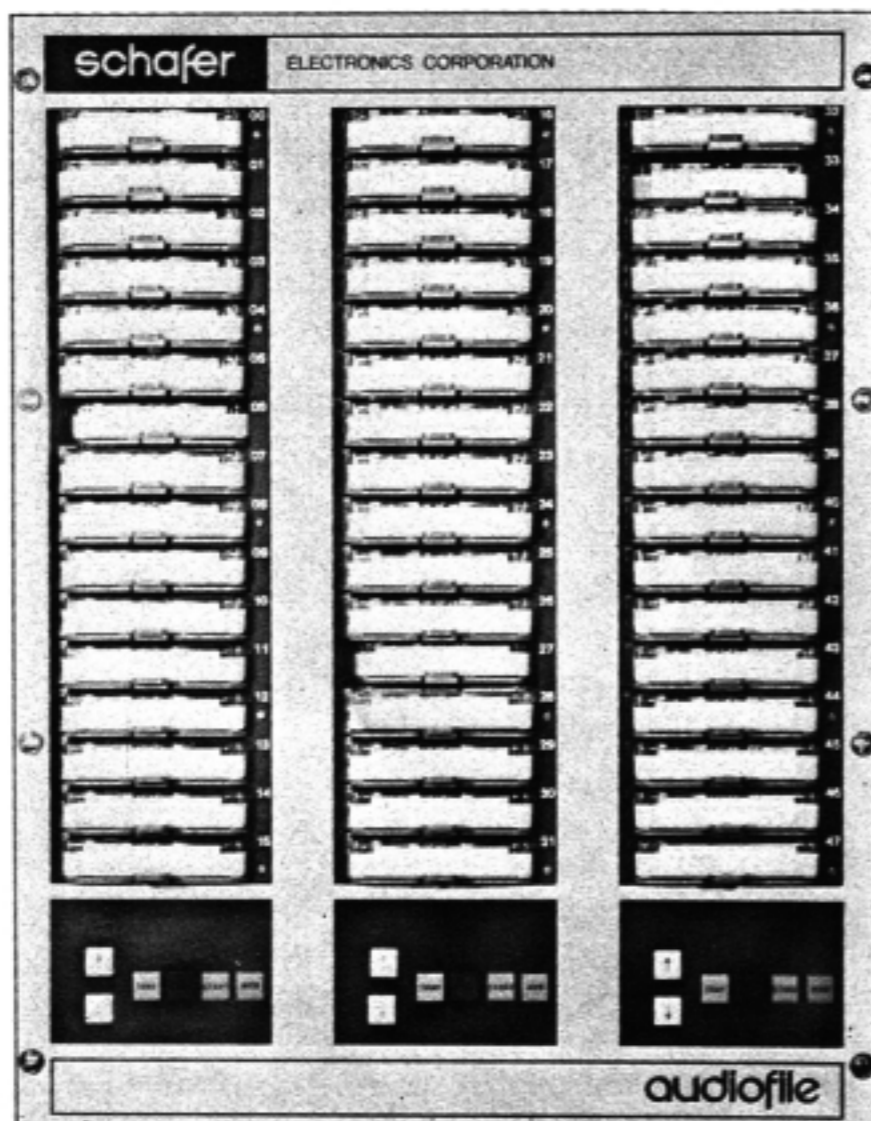
primarily for the home entertainment market. The Revox company in Canada was previously owned by Colin Hammond of London, England.

According to Studer spokesman Bruno Hochstrasser, offices in Toronto and Montreal will now service both lines of products, with John Brynildsen moving to Toronto as Revox sales coordinator.

The existing distribution network for Revox will be maintained, with Audio-Versity as representatives in Quebec and the Maritimes, Thorvin Electronics Inc. in Ontario, and James Nelson and Associates in Western Canada.

- *One of the business world's most remarkable comebacks appears to be well under way at Memorex Corporation. The company experienced severe setbacks in 1973, with losses of \$119 millions. In April of 1974, Robert C. Wilson was appointed chairman of the board and chief executive officer. Wilson, who is credited with turning around Collins Radio for Rockwell International, discussed his approach during*

## ASSISTING THE



Improve the performance of your programmers, announcers and your station with the new remote random access or sequential AUDIOFILE. Schafer's products have been helping engineers, announcers, and radio stations satisfy their needs for 22 years. Now, in just over one year, the new AUDIOFILE is being used in more than one hundred installations throughout North America.

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# audiofile

a visit to Canada this summer. He cited three priorities: 1. Attitude—An essential ingredient of any organization, positive attitudes must prevail in everything surrounding a company, including those who do business with it. 2. Cash—The life blood of a business. Memorex was out of it, but in 1974, supposedly a year of recession, the company boosted sales by 23% or \$40 million. 3. Profit—With the first and second quarters of 1975, Memorex is now solidly into the black.

The company is suing IBM, whose price-cutting Memorex blames for its 1973 losses.

Looking to the future, Wilson believes there is a growing market for "memory"—the storage and retrieval of information—especially in video entertainment. The potential in developing countries is almost unlimited, and Memorex already does 40% of its volume outside the U.S., 12% of it in Canada.

When at Rockwell, Wilson recommended investment in Collins Radio, and was

subsequently given the task of making it profitable—microwave proving to be one of its successful areas.

Among Wilson's words of wisdom:—Decide what business you want to be in: the technology follows. He says its a mistake to define a business in terms of technology, and cites the railroads failure to adapt as the classic example!—Anything that improves productivity and lowers cost becomes even more attractive in recession.—"I feel very good about '76."

- Meritron Ltd. is the new name for Nortec East Broadcast Equipment Ltd. D'Alton B. Jolly, who set up Nortec East a year ago, remains president.

- Watch for a major Canadian Broadcasting conglomerate to move into the equipment distribution field by the end of 75. The company, which has international interests plans to carry a wide range of products.

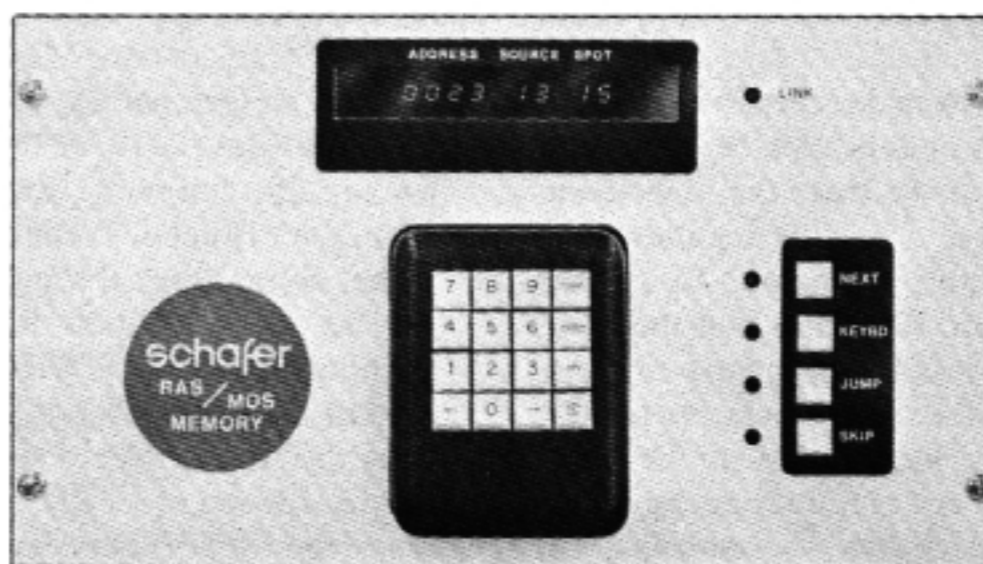
- John Forrest of Tele-Tech—a man who keeps a sharp eye on fires—reports that CKKW Kitchener suffered one recently at its transmitter site near Ayr, Ont. It burnt out the new Continental tx, installed last March 5th when 'KW boosted power to 10 kw and moved to 1090 kHz. Fire hazard has been high in the Kitchener area lately: last November an \$80,000 fire burned out the transmitter of CFCA-FM, sister station of CKKW.

- This item from John Forrest's "They said it couldn't be done" department. Reg McCausland of VOXM St. John's, Nfld. has found that using a helicopter is an efficient way of running radials, especially in rugged terrain. The 'copter cuts time by days, even weeks.

- Send your "happenings" for this column to BROADCAST EQUIPMENT TODAY, Box 423, Station J, Toronto, Ont. M4J 4Y8.

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# CALGARY'S

# CBRT

by Marie Rawling

The CBC first came to Calgary on Dominion Day 1958 when a Television Delay Centre was opened in the old Alberta Government Telephone Building in downtown Calgary.

The plant received a flow of programs via a microwave closed circuit network, committed them to videotape and released them to each time zone from the Lakehead to the Pacific coast in accordance with the national schedule's timetable.

A year and a half later the facility moved to its present premises, a single storey building on Westmount Boulevard in west Calgary on the north bank of the Bow River and, in October 1964, the delay centre operation was joined by a 50,000 watt AM radio operation, CBR.

This year, the centennial birthday of the city of Calgary, still more changes are occurring at the CBC plant. Two years ago, when the satellite ANIK was launched, the television delay pattern was drastically changed and the million-dollar-plus delay centre's equipment was relocated at CBC television plants throughout the nation since the old delay pattern no longer served a purpose.

Meanwhile, an association of 20 years' standing with the privately-owned CFAC-TV was drawing to a close. Channel 2 had carried a hefty portion of CBC shows but Calgarians still had not been serviced with the full CBC-TV network schedule.

September 1st, 1975 was slated as the inaugural date of a full CBC network service on CBRT, Channel 9 (cable 6); October 1st has been earmarked as the start date of CBR-FM radio at 102.1.

The staff force has ebbed and flowed with these changes and a program and support services staff of about 30 marked the low point when CBR AM radio alone occupied the dun brick building on West-

mount Boulevard. Now the work force is swelling, the main building is being renovated, the staff has been scattered during alterations. The CBRT facilities so far have been installed in what used to be the delay centre section of the building. Very shortly that building will become a core, for the new premises will 'sprout' all around—front, back, ends, and above!

CBRT's beginning is a modest one with two daily weekday local periods focussed upon local community news, sports and weather. This enables CBRT to assume the long-awaited role of a telecaster of the entire CBC television service. Then, as the new premises become available out and around 'the broom closet' as TV Director Don Carroll calls it with a grin, CBRT's staff will polish its skills, then take its place in a new and functional array of studios, workshops, offices and labs. The station's role as a new sight and sound of the greater Calgary community broadens and matures.

For the past three months the sales staff has been pitching the new services to advertisers in the greater Calgary area and have found the CBC to be received with enthusiasm in the commercial sector of the community. In fact such is the demand for advertising time that CBRT is having to take great care that some time is left for the station to advertise its own programs and radio shows. The arrival of the station was also awaited with interest by the local press, who have followed its development carefully and seem to be keen to find out what programming the full CBC service will provide.

Naturally, not all the preparation and planning has gone without a hitch, but fortunately CBRT and its director Don Carroll have all that behind them and can now concentrate on providing first-class television for Calgarians.

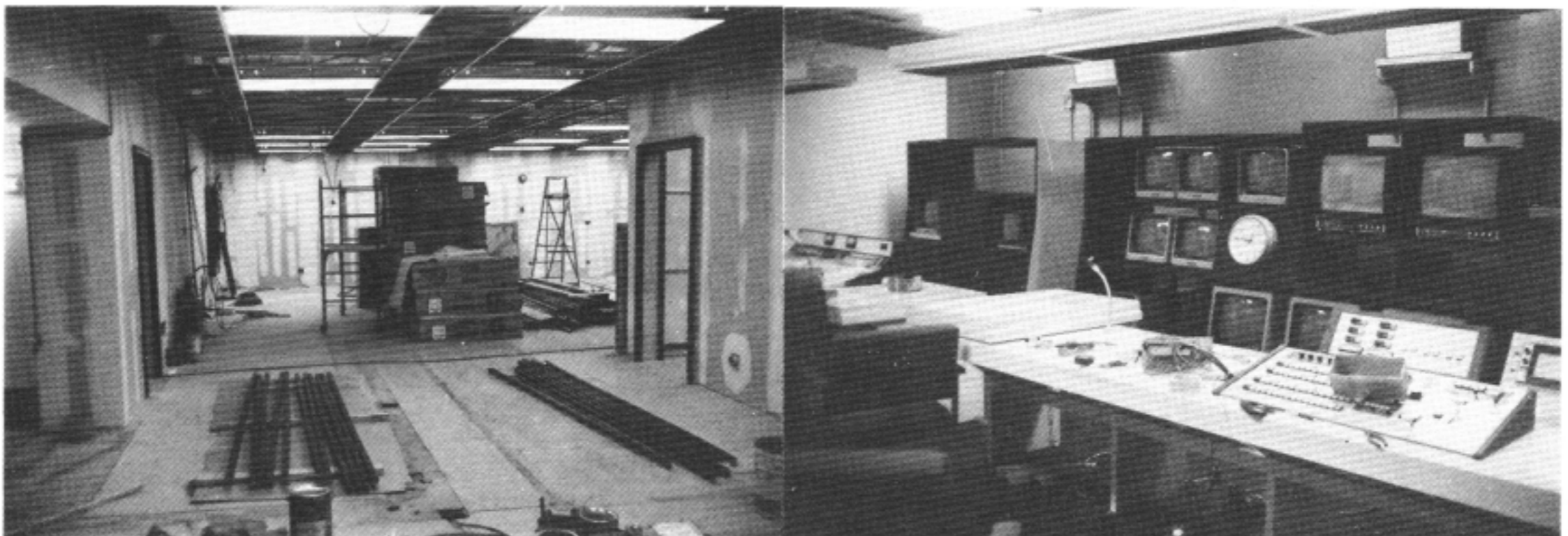
## Canadian Content a Priority

In equipping its new Calgary television station, the CBC has placed emphasis on buying Canadian and, where possible, on buying locally. Detail is given below on many of the components, and BROADCAST EQUIPMENT TODAY wishes to thank, among others, Peter Crawshaw and Hugh Potter of CBC Engineering Headquarters, Jack Peach and Marie Rawling of CBC Public Relations in Calgary, and Canadian General Electric for their cooperation in preparing this information.

- The transmitter and directional 8-slot antenna have been supplied by Canadian General Electric. ERP is 325 kw, the maximum power for VHF stations. GE estimates its input to be 85 to 90 per cent Canadian. The \$300,000 transmitter installation suffered a serious setback when a large section of the tower fell while under construction, causing a two or three-week delay. However, work was back on schedule by mid-August.
- The transmitter site, three miles west of Calgary, has an elevation of 4,050 feet above sea level. The tower is 820 feet high, 877 feet with antenna, and the radiation centre is at 845 feet. The tower will ultimately include French TV and FM antennas, as well as those for CBRT and CBR-FM, and is also capable of handling additional FM antennas.
- CBR-FM Stereo, to be operational October 1st, will use the same tower, with both horizontal and vertical polarization. The FM tx is a Gates 20 kw with 100 kw ERP. CBR-FM is Calgary's second FM station.
- Andrews heliax transmission lines have been used—4-inch for TV, 3-inch for FM.
- Microwave facilities for the studio-transmitter link were supplied by Farinon Electric of Canada, Ltd., Montreal.
- Phase One of the building program provides for only one studio of 720 square feet for news and information programming.
- Phase Two, scheduled to be constructed starting in November, calls for a 3,500 sq. ft. studio for variety programming, a small single-camera news studio, and a second-storey addition for administrative offices.
- Cameras include three German-made Fernseh KCU-40 studio cameras, and Fernseh's KCN-40 electronic news-gathering system. A portable, back-pack system, the KCN-40 has its own power supply. The station has also acquired an Ampex VR-3000.
- Lighting is by Control Lighting of Calgary.
- Richmond Hill Laboratories provided the automated multibuss multiple system which is programmed to automatically connect and start the various program sources. The system was built to CBC specifications. (The CBC has pioneered automated broadcast systems, CBXT Edmonton being one of the earliest stations in North America to use this technology when it went on the air in 1961.)
- There are two RCA TK-28 telecine chains, each consisting of color camera, two 16mm RCA TP-66 projectors and a slide projector.
- VTR facilities include two Ampex AVR-2 units, and the Ampex ACR-25, virtually a "cassette computer system".
- The production switcher (or vision mixer) was supplied by Ross Broadcast Products.
- CBRT boasts a large, well-equipped editing department, and anticipates heavy

film production. Editing equipment is by Steenbeck, and processing will be done by a Calgary film lab.

- Ward-Beck Systems Ltd. designed and installed the 12-track audio console.
- Cartridge machines include ITC and the Schafer multi-cart Audiofile.
- Intercom equipment and portions of the audio equipment for the automatic programmer are by McCurdy Radio Industries.
- The sync system which provides central control for the timing and phasing of in-plant and external feeds is by Leitch Video.
- Monitors have been supplied by Conrac and Barco.
- Sony cassette video recorders are used for off-line editing and general production purposes such as private monitoring by producers.
- Measuring and testing equipment is by Techtronix, Amalgamated and Hewlett-Packard.
- Equipment racks and control consoles are by Premier Metal of Montreal.
- CBRT will acquire one of four large mobile units now being built for coverage of the Olympic Games in Montreal next summer. After the games, the unit will provide Calgary with the latest in remote facilities, including slow motion capability, and also serve as a second control booth when installed at the studio location.
- CBC Calgary will be the delay centre for network FM in the Mountain Time zone. An Ampex automatic sequencer, using a series of reel-to-reel tape recorders, will automatically record and replay programming from the national stereo network.



*The transformation of CBRT's Master Control is shown, from un-walled area where air-conditioning is being in-*

*stalled, to near-completion with monitors and control panel in place. (Photos courtesy of D. Mittag.)*

# FM's FORWARD MARCH

## CRTC finalizes policy and schedules hearings for long-awaited development of FM

The publication of the Canadian Radio-Television Commission's policy on Frequency Modulation broadcasting opens the way for the long-awaited development of FM in this country.

Only 106 channel assignments had been made as of June 15, 1975, and these include more than a dozen rebroadcasters. The Department of Communications Allotment Plan, published elsewhere in this issue of BROADCAST EQUIPMENT TODAY, provides for close to 400 additional stations.

In releasing the finalized FM policy, the CRTC announced the dates for a series of public hearings to deal with the licensing of new stations and the re-licensing of existing FM stations. Except under special circumstances, no more than one new commercial station will be licensed in any one market. Applications for CBC FM on Special FM licenses will be treated separately and may be granted in addition to a licence for a private commercial FM station.

The following hearings have been scheduled:

Quebec City—Dec. 9

### 1976

Toronto—Jan. 13  
Vancouver—Feb. 3  
Regina—Feb. 9  
Edmonton—Feb. 16  
Winnipeg—Feb. 16  
Ottawa—Mar. 9  
Montreal—Mar. 30  
Moncton—Apr. 12  
Halifax—Apr. 12  
Windsor—May 4

To provide sufficient time for the hearings and consideration of all applications, the CRTC has issued six-month renewals for a lengthy list of stations, both AM and FM, most of which were due to expire on March 31, 1976.

The CRTC policy document, originally issued on January 20, 1975, and entitled *FM Radio in Canada*, has been amended as follows:

### 1. Effective Date

The new regulations will come into force September 6, 1976, instead of September 1, 1975.

### 2. Classes of Licence

Three classes of licence had been previously proposed.

- The most common class is "joint FM licences" for licensees operating both AM and FM stations in the same language and in the same market.

- Licensees having FM only are designated "independent". At present there are only two such commercial FM stations in Canada, CFGL-FM Laval and CFMC-FM Saskatoon.

- "First local FM" has been clarified and is now designated "first radio service FM licences".

Two additional classes are now added:

- *CBC FM licences*.
- *Special FM licences*, for educational, community and institutional stations.

(Publicly-owned stations were excluded in the CRTC's *Proposal for an FM Policy in the Private Sector*, issued April 19, 1973, but are now brought under the FM Policy.)

Commercial regulations in the policy do not apply to the latter three classes of station: CBC radio outlets are now generally

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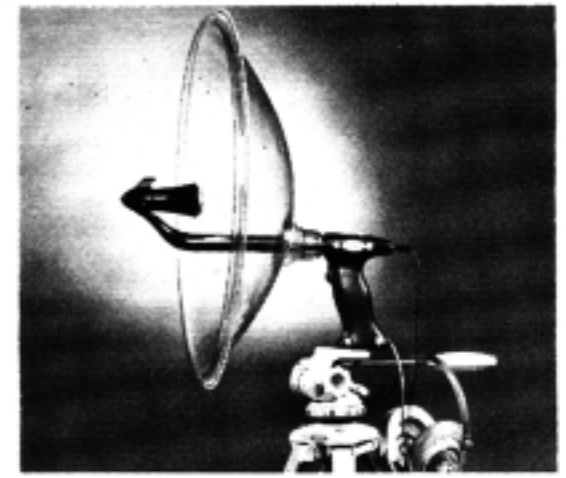
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- Lightweight, see-through design
- Can be used with any tape recorder
- Built in remote control on handle to operate recorder

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Dan Gibson Nature Recordings are Available in Records and Cassettes.

non-commercial; special and first radio service licences will be considered on a case-by-case basis.

First radio service and special FM licensees will not be required to meet "foreground format" quotas, but will be required to indicate such programming in their logs.

Rebroadcasting stations are not subject to the regulations, as the "parent" station is fully regulated.

### 3. Commercial limits

The limit of 40 minutes for joint FM stations and 50 minutes for independents during each of the 6-hour periods from 6:00 a.m. to midnight remains unchanged. However, both classes of station will now be permitted up to 10 minutes of commercials in any clock hour. There is no limit on the number of units, within these limitations.

The requirement that the first 10 minutes of newscasts may not be interrupted by commercials now makes it clear that such newscasts may be immediately followed by commercial messages.

### 4. Simulcasting

Prohibited in the January statement, simulcasting is now allowed between midnight and 6:00 a.m. and in a public emergency. It may also be permitted if specified in the station's licence, and applicants are cautioned to include all possible simulcasting in filing their application with the commission.

### 5. Foreground Format

The required percentage of "foreground format" between 6:00 a.m. and midnight has been reduced to 20% for joint FM and CBC FM stations, and 12% for independent FM stations. The minimum length of "foreground" programs remains 15 minutes, including commercials. Foreground programming must be related to a theme or subject (the previous option of "personality" has been dropped); it requires listening, but need not be mostly verbal; and has a clear beginning and end. Sports actualities and city council meetings are examples which would qualify.

*continued on page 22*

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# Allotment Plan for Commercial Channels

## AVAILABLE FM CHANNELS

### NORTHWEST TERRITORIES

Yellowknife 221

### YUKON TERRITORY

Dawson City 221  
Whitehorse 223

### BRITISH COLUMBIA

Castlegar 274, 298  
Chilliwack 298A\*  
Courtenay 268, 281B\*  
Cranbrook 263\*, 267  
Dawson Creek 221, 269  
Fernie 284, 288  
Hope 236A, 286B\*  
Kamloops 239, 243  
Kelowna 245B, 256B  
Kimberley 243, 255\*  
Merritt 296  
Nanaimo 237  
Nelson 233, 238B  
North Vancouver 241  
Oliver 259B, 269B  
Penticton 223B\*, 227B  
Port Alberni 285A, 298A  
Powell River 261A, 276A  
Princeton 261B, 276  
Prince George 263, 267  
Prince Rupert 222, 260  
Revelstoke 278, 282B  
Rossland 249\*  
Salmon Arm 221B  
Vancouver 229, 223, 300B\*  
Vernon 265B, 288  
Victoria 221\*, 245\*, 262\*,  
270B\*, 297B\*

### ALBERTA

Banff 286, 292  
Bellevue/  
Pincher Creek 237B  
Blairmore/  
Coleman 231B  
Brooks 227B, 235B  
Calgary 221, 225, 229, 223  
245, 271, 276, 280  
Cardston 273, 278  
Drumheller 296  
Edmonton 223, 227, 231, 235  
243, 247, 290  
Ford MacLeod 223B  
Fort McMurray 299A  
Grande Prairie 225, 255  
Hanna 263B  
High River 253A  
Lacombe/  
Stettler 273B, 282B  
Lethbridge 257, 261, 299  
Medicine Hat 247, 254, 269  
Peace River 230A  
Provost 286  
Red Deer 266  
Taber 294

### SASKATCHEWAN

Assiniboia 266  
Biggar 239  
Broadview 268  
Estevan 235, 286  
Eston 250  
Gravelbourg 278  
Herbert 241

Indian Head 282  
Kindersley 221  
La Ronge 286A  
Lloydminster 278, 294  
Maple Creek 290, 297  
Melville 264  
Moose Jaw 237, 254, 270, 274  
Moosomin 272  
North Battleford 256, 261  
Oxbow 276  
Prince Albert 265, 269, 273  
Regina 225, 229, 233, 245  
249  
Rosetown 235  
Saskatoon 284, 288, 292, 296  
Shaunavon 282, 286  
Swift Current 227, 231  
Watrous 258  
Weyburn 292, 297  
Wilkie 225  
Wynyard 300  
Yorkton 256, 260

### MANITOBA

Boissevain 290  
Brandon 224, 250, 296  
Carberry 262B  
Dauphin 227, 246  
Emerson 240B\*  
Flin Flon 221, 225  
Gimli 298  
Melita 254\*  
Morden/Winkler 300  
Neepawa 266B  
Portage la Prairie 280, 284  
Russel 278  
Selkirk 264  
Steinbach 292  
The Pas 230  
Transcona 226B, 236  
Virden 258  
Winnipeg 244, 256, 260, 268B,  
272, 276, 288

### ONTARIO

Barrie 226C1, 239B, 266A  
Belleville 227B, 232A, 238C1,  
272B\*  
Brockville 262C1, 271A  
Chatham 232B\*, 236B\*, 272A\*  
Cobourg 224A\*, 276C1\*5/  
Cornwall 221A, 238A, 251A,  
299A  
Fort Frances 223, 250  
Guelph 278B\*  
Hamilton 275B\*, 200B\*  
Huntsville 221B, 294  
Kapusking 227, 245  
Kenora 228, 270, 286  
Kingston 258A\*, 298C1\*  
Kirkland Lake 256, 268  
Leamington 276A\*  
London-St. Thomas 228C1\*, 248B\*, 257B\*  
276A, 295A  
New Liskeard 290  
Niagara Falls 262A\*, 298A\*  
North Bay 236, 241, 281, 300  
Orillia 245A, 262A, 290B  
Oshawa 222A, 240A\*  
Ottawa-Hull 226B, 256A, 291C1,  
295C1, 300A  
Owen Sound 234B, 254C1, 274C1\*  
285B, 298C1\*  
Parry Sound 232B, 248B, 258

Pembroke 223B, 244C1\*, 250B,  
260C1, 264B, 285B  
Peterborough 280B\*, 286B, 292B\*  
Port Colborne 285B\*  
Sarnia 252A\*, 260B\*2/, 268A\*,  
280A, 292B\*  
Sault Ste. Marie 242  
Stratford 248B, 281A\*  
Sturgeon Falls 270, 277  
Sudbury 246, 251, 287, 296  
Thunder Bay 224, 236, 243, 274,  
282  
Timmins 221, 272  
Toronto 242A\*1/, 247B,  
256C1\*6/, 296C1\*1/  
266A\*  
Welland 210C1\*4/, 300A\*  
Windsor 230A, 265B, 269B\*  
Woodstock 263A

### QUEBEC

Alma 248  
Amos 247  
Baie St. Paul 280  
Chambord 294B  
Donnacona 241B\*  
Drummondville 243A  
Granby 278A\*  
Joliette-Sorel 276B\*  
Jonquiere 229B, 239, 290  
Lachute 271A  
La Tuque 224B  
Matane 264  
Megantic 229B  
Mont Joli 236  
Montmagny 271B  
Montreal 228C1, 253C1\*1/, 268B,  
293C1 1/, 297C1  
New Carlisle 226  
Port Alfred 286  
Quebec City 222B, 227C1, 233C1,  
246C1, 263B, 284C1,  
288C1, 292B, 298C1  
Riviere du Loup 296  
Roberval 258  
Rouyn 243  
Ste Anne de  
Beaupre 267B  
Ste Agathe Des  
Mons 258A  
St. Jean 285B  
St. Jerome 280B  
Shawinigan Falls 272B\*  
Sherbrooke 221B 1/, 259B\*, 266C1\*  
270B\*, 291B\*  
Thetford Mines 256C1\*  
Three Rivers 230B, 261C1\*, 295B  
Val d'Or 254

### NEW BRUNSWICK

Bathurst 261\*  
Campbellton 231, 243  
Chatham 270, 274  
Dalhousie 289, 294  
Edmundston 223, 228, 254  
Fredericton 251, 277, 300  
Grand Manan 279A  
Moncton 235, 239, 280  
Newcastle 248B, 257, 266  
Sackville 229  
Saint John 259, 263, 268, 272,  
295  
St. Stephen 243, 288  
Sussex 285  
Woodstock 233, 282

**NOVA SCOTIA**

Amherst	244
Antigonish	256
Bridgewater	227
Dartmouth	237, 241
Dominion	247
Glace Bay	254, 258
Halifax	222, 261, 278, 289
Liverpool	231
New Glasgow	252
New Waterford	230
North Sydney	222
Pictou	283
Shelburne	281
Springhill	283
Stellarton	300
Sydney	226, 290, 298
Sydney Mines	274
Westville	233
Yarmouth	247

**PRINCE EDWARD ISLAND**

Charlottetown	287
Summerside	224, 297

**NEWFOUNDLAND**

Corner Brook	222, 226
Gander	231
Grand Falls	240
St. John's	229, 270, 295
Stephenville	232
Wabana	234
Windsor	236

**Legend of Classes and Maximum Permissible Parameters**

- Channels with no designator are Class C: ERP 100Kw and EHAAT 2000 feet.
- Channels designated with a "C1": ERP 100Kw and EHAAT 1000 feet.
- Channels designated with a "B": ERP 50Kw and EHAAT 500 feet.
- Channels designated with an "A": ERP 3Kw and EHAAT 300 feet.

**Notes:**

- 1/ Frequency separation of 10.6 or 10.8 MHz with another allotment in area. Potential IF interference problem.
- 2/ Limited to 20Kw-500 ft. or the equivalent, in direction of related U.S. stations.
- 3/ Limited to 100Kw-1851 ft. or the equivalent.
- 4/ Educational Channels to be used as commercial.
- 5/ Limited to 117Kw-646 ft. or the equivalent.
- 6/ Limited to 50Kw-500 ft. or the equivalent, in direction of related U.S. stations.

\* Allotments short-spaced with respect to U.S. assignments and accepted after special negotiations with the Federal Communications Commission. (Allotments which are short-spaced with respect to other Canadian allotments or assignments are not designated.) ("Equivalent" in Notes above requires that the 1mV/m contour remain at the same location as determined by the F(50, 50) propagation curves.)

SOURCE: Department of Communications. Revised to June 15, 1975.

CRTC note: "This list should not be considered as covering all complexities related to FM frequency allocations."

**Frequency/Channel Key**

Frequency (MHz):	Channel No.		
88.1	201	99.9	260
88.3	202	100.1	261
88.5	203	100.3	262
88.7	204	100.5	263
88.9	205	100.7	264
89.1	206	100.9	265
89.3	207	101.1	266
89.5	208	101.3	267
89.7	209	101.5	268
89.9	210	101.7	269
90.1	211	101.9	270
90.3	212	102.1	271
90.5	213	102.3	272
90.7	214	102.5	273
90.9	215	102.7	274
91.1	216	102.9	275
91.3	217	103.1	276
91.5	218	103.3	277
91.7	219	103.5	278
91.9	220	103.7	279
92.1	221	103.9	280
92.3	222	104.1	281
92.5	223	104.3	282
92.7	224	104.5	283
92.9	225	104.7	284
93.1	226	104.9	285
93.3	227	105.1	286
93.5	228	105.3	287
93.7	229	105.5	288
93.9	230	105.7	289
94.1	231	105.9	290
94.3	232	106.1	291
94.5	233	106.3	292
94.7	234	106.5	293
94.9	235	106.7	294
95.1	236	106.9	295
95.3	237	107.1	296
95.5	238	107.3	297
95.7	239	107.5	298
95.9	240	107.7	299
96.1	241	107.9	300
96.3	242		
96.5	243		
96.7	244		
96.9	245		
97.1	246		
97.3	247		
97.5	248		
97.7	249		
97.9	250		
98.1	251		
98.3	252		
98.5	253		
98.7	254		
98.9	255		
99.1	256		
99.3	257		
99.5	258		
99.7	259		

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## FM'S FORWARD MARCH

continued from page 19



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Model SIA-2 220 V. Single phase **\$635.00**

Model SIA-3 220 V. Three phase **\$795.00**

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### 6. Syndicated Programs

Short syndicated material of less than 15 minutes, while not meeting the "foreground" requirements, is encouraged and may be used to qualify programming as "mosaic format". The CRTC considers this a highly desirable form of programming for both AM and FM, and has added a specific question to the Promise of Performance where applicants may indicate the amount of time each week to be devoted to syndicated radio packages.

The new regulations prohibit stations from contracting with outside firms or consultants for gramophone or rolling format material. (The January policy statement ruled out the use of pre-recorded music and semi-automated disc jockey services on FM.) The CRTC makes it clear that there is no intention to exclude Canadian music such as that provided by the CBC and the Canadian Talent Library.

### 7. The Promise of Performance

With some re-wording, the FM application form and the Promise of Performance—which constitutes the second part of the application form—are substantially the same as issued in January.

However, stations will now be permitted to create their own working for the weekly announcement which is to inform listeners of the existence of the Promise of Performance and the location where the station's licence may be examined.

### 8. Schedule of Implementation

Phase 1 of the implementation of the FM Policy continues to March 31, 1978. During this time, applications will be considered for new FM stations and the amendment and renewal of existing FM licences. (See schedule of hearings above.) All licences granted during this phase will expire March 31, 1978.

Phase 2 will be the two-year period from April 1, 1978 to March 31, 1980. Applications will continue to be heard for unallocated channels, stations will be expected to fully implement the FM Policy, and normal terms of licensing will be resumed.

### Amendments to AM Regulations

Regulations which relate solely to the use of the new content categories for logs of both AM and FM stations also go into effect Sept. 6, 1976. Logs need indicate only the 11 program categories—the subcategories being intended solely for use in station analysis. When a program consists of several categories, only the two most prevalent categories need be identified.

\* \* \*

The FM Policy has been both clarified and softened by the CRTC, in a reasoned response to industry representations.

At regional meetings across the country, CRTC spokesmen emphasized that the policy will continue to evolve and that the commission is looking for "good faith" on the part of broadcasters. The intention to enrich programming is primary.

Broadcasters were urged to follow the policy carefully as they prepared their applications. It was noted that repetition of "foreground" programs is not discouraged (particularly useful in "shift" towns), and that making time available for community programming fulfills the obligation, even if no one makes use of it.

Quotable quotes from CRTC officials as they earnestly attempted to re-assure broadcasters:

- "It's always safest to under-commit but over-perform".
- "The commission is aware that you are unclear, and in some cases is in doubt itself."
- "We want you to get credit for what you do, even if you don't know what you're doing."

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# FM STATIONS IN CANADA

## Assigned Frequencies

Province	Station	MHz	Watts
<b>NWT</b>			
Baker Lake	CKQN-FM	99.3	60
<b>BRITISH COLUMBIA</b>			
Bonnington	CBUD-FM	92.3	40 R
Chilliwack	CBUF-FM-1	102.1	81 R
Clearwater	CFFM-FM-2	92.7	2 R
Clinton	CFFM-FM-4	106.5	12 R
Dawson Creek	CBKQ-FM	93.7	70 R
Invermere	CFWL-FM	107.1	1 R
Kamloops	CFFM-FM	98.3	4,000
Kelowna	CJOV-FM	104.7	3,800
Kitimat	CBUK-FM	101.1	65 R
Merritt	CFFM-FM-3	103.9	12 R
Mt. Timothy	CFFM-FM-5	99.7	80 R
New Westminster	CFMI-FM	101.1	100,000
Penticton	CKOK-FM	97.1	1,800
Savona	CFFM-FM	101.9	8 R
Trail	CJAT-FM	106.7	12,600
Vancouver	CBU -FM	105.7	100,000
Vancouver	CBUF-FM	97.7	50,000
Vancouver	CFRO-FM	102.7	3,717
Vancouver	CHQM-FM	103.5	100,000
Vancouver	CKLG-FM	99.3	100,000
Victoria	CFMS-FM	98.5	19,000
<b>ALBERTA</b>			
Calgary	CHFM-FM	95.9	11,600
Edmonton	CFRN-FM	100.3	100,000
Edmonton	CJCA-FM	97.3	100,000
Edmonton	CKUA-FM	94.9	100,000
Lethbridge	CHEC-FM	100.9	250
Peace River	CBXG-FM	93.9	44 R
Red Deer	CKRD-FM	98.9	1,460
<b>SASKATCHEWAN</b>			
Regina	CBKF-FM	97.7	8,500 R
Regina	CFMQ-FM	92.1	6,200
Saskatoon	CFMC-FM	103.9	6,020
Saskatoon	CJUS-FM	98.7	3,800
<b>MANITOBA</b>			
Brandon	CKX -FM	96.1	58,000
Thompson	CBTF-FM	99.9	86 R
Winnipeg	CBW -FM	98.3	354,000
Winnipeg	CFRW-FM	94.3	6,500
Winnipeg	CJOB-FM	97.5	310,000
Winnipeg	CKY -FM	92.1	360,000
<b>ONTARIO</b>			
Belleville	CJBQ-FM	97.1	17,400
Big Trout Lake	CFTL-FM	100.3	60
Brampton	CHIC-FM	102.1	857
Brantford	CKPC-FM	92.1	50,000
Cornwall	CJSS-FM	104.5	850
Guelph	CJOY-FM	106.1	50,000
Hamilton	CKDS-FM	95.3	200,000
Kingston	CFRC-FM	91.9	1,270
Kingston	CKCL-FM	98.3	50,000
Kingston	CKWS-FM	96.3	5,400
Kitchener	CFCA-FM	105.3	100,000
Kitchener	CHYM-FM	96.7	50,000
Kitchener	CKWR-FM	98.7	202
London	CFPL-FM	95.9	179,000
North Bay	CKAT-FM	93.7	5,860
Oshawa	CKQS-FM	94.9	100,000
Ottawa	CBO -FM	103.3	70,000
Ottawa	CBOF-FM	102.5	70,000
Ottawa	CFMO-FM	93.9	196,000
Ottawa	CKBY-FM	105.3	148,000
Peterborough	CHEX-FM	101.5	31,400
St. Catharines	CHSC-FM	105.7	100,000
St. Catharines	CKTB-FM	97.7	250
Sault Ste. Marie	CJIC-FM	100.5	3,600
Sault Ste. Marie	CKCY-FM	104.3	6,760
Smith's Falls	CJET-FM	101.1	47,600
Sudbury	CKSO-FM	92.7	100,000
Thunder Bay	CKPR-FM	94.3	95,000
Tillsonburg	CKOT-FM	101.3	50,000
Timmins	CKGB-FM	94.5	425

Toronto	CBL -FM	94.1	55,700
Toronto	CHFI-FM	98.1	420,000
Toronto	CHIN-FM	100.7	50,000
Toronto	CHUM-FM	104.5	100,000
Toronto	CJRT-FM	91.1	50,000
Toronto	CKFM-FM	99.9	100,000
Windsor	CJOM-FM	88.7	160,000
Windsor	CKLW-FM	93.9	50,000
<b>QUEBEC</b>			
Chicoutimi	CBJ -FM	100.9	98,000
Chicoutimi	CBJE-FM	107.9	98,000
Chicoutimi	CHUT-FM	96.7	25,600
Drummondville	CFDM-FM	104.3	100,000
Hull	CKCH-FM	94.9	74,000
La Pocatiere	CHGB-FM	102.9	1,000
Laval	CFGL-FM	105.7	100,000
Magdalen Is.	CBIM-FM	93.5	4,500 R
Maniwaki	CBFL-FM	98.9	58 R
Montreal	CBF -FM	100.7	100,000
Montreal	CBM -FM	95.1	24,600
Montreal	CFQR-FM	92.5	41,400
Montreal	CHOM-FM	97.7	42,000
Montreal	CINQ-FM	99.3	7
Montreal	CJFM-FM	95.9	41,200
Montreal	CKMF-FM	94.3	41,400

Quebec City	CBV -FM	95.3	100,000
Quebec City	CHRC-FM	98.1	81,000
Quebec City	CKRL-FM	89.1	1,400
Radiisson	CBFR-FM	100.1	199 R
Rimouski	CJBR-FM	101.5	20,000
Sherbrooke	CHLT-FM	102.7	62,000
Verdun	CKVL-FM	96.9	307,000
<b>NEW BRUNSWICK</b>			
Richibucto	CBHM-FM	98.5	58 R
Saint John	CFBC-FM	98.9	5,600
<b>NOVA SCOTIA</b>			
Halifax	CBH -FM	102.7	100,000
Halifax	CHFX-FM	101.9	100,000
Kentville	CKWM-FM	97.7	18,000
Sydney	CJCB-FM	94.9	675
Truro	CKCL-FM	100.9	11,500
<b>PRINCE EDWARD ISLAND</b>			
Charlottetown	CBC -FM	103.1	59 R
<b>NEWFOUNDLAND</b>			
Churchill Falls	CFLC-FM	97.9	8 R
Deer Lake	CFDL-FM	97.9	16 R
St. Andrews	CFCV-FM	97.7	73 R
St. Anthony	CFNN-FM	97.9	126 R

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# directions

A review of recent announcements, decisions and policies of the Canadian Radio-Television Commission.

## LOCAL TV FOR VANCOUVER

Western Approaches Ltd. is the successful application for a third Vancouver tv station. Several years of controversy and two CRTC hearings preceded the decision, which still leaves open the use of channel 10, the last remaining vhf channel in the area, for either the CBC or educational tv.

The CRTC opted for Western Approaches' alternative bid for channel 26. But here, too, the CBC may have the last word: it wants 26 for a French station, and has offered to pay the expenses involved in switching Western Approaches to another uhf channel. The CRTC says it expects the two parties to work out a satisfactory solution.

The commission describes the Western Approaches bid as "the most realistic"—meeting local needs in an "innovative and flexible" way without undermining existing licensees. The company has widespread ownership, chiefly in the Vancouver area, and is controlled by experienced broadcasters, including Bill Bellman, ex-president of CHQM, Daryl Duke, ex-CBC producer, and John Nichol, Liberal ex-senator.

\* \* \*

### CRTC Office for B.C.

Frank Foster, a former official of the commission and more recently an Ottawa broadcast consultant, is the first director of a new CRTC office in Victoria. Foster, who joined DOT in 1938, headed regulation and licensing from 1953 to 1965.

The CRTC says its first regional office will be "a point of contact" for individuals, provincial government departments, municipal governments, industry and community groups.

Controversy over the third Vancouver station had provided a focal point for complaints about the remoteness of Ottawa and demands by the provincial NDP government for greater control over communications in the province.

\* \* \*

### CFOM Quebec Folds

Following the denial by the CRTC of a change in ownership, CFOM Quebec City announced it would go off the air effective August 8th.

Crux of the issue: the commission insists

that CFOM, as the city's only English radio station, be all things to all Anglophones. It says there's room for only one English station, so has discouraged the CBC from applying for its own outlet, and has required CFOM to be the CBC affiliate. The owners claim the station can survive only as a contemporary station.

Behind all this, the language issue rears its ugly head. The Quebec English radio station, bearing the burden of CBC affiliation, has never prospered. Logical solution: let the CBC put in a rebroadcaster. But that would double service to the English minority, antagonizing Quebec's government right in its own backyard.

CFOM's demise leaves the field open to the CBC—and Quebec's youth are spared contamination by the Top Forty.

\* \* \*

### Microwave Documentation

The difficulties encountered in working out microwave agreements—notably for the Maritime provinces' Chamcook head-end—have prompted the CRTC to require filing of more explicit plans for the use of microwave by cable systems.

Applications must detail the site of the distant head-end, the proposed microwave route, all costs and cost-sharing, and the monthly subscriber fee including microwave costs.

This documentation must be added to applications already filed before they will be scheduled for a public hearing.

\* \* \*

### Production of Commercials

The CRTC has made some revisions in its regulations on Canadian content in commercials.

For radio, effective October 1, 1976, all of the "performance components" must be produced and recorded in Canada, with only two exceptions:

- messages promoting films and artistic performances such as musicals;
- messages uniquely related to products in such a way that they cannot authentically be produced in Canada.

Musical ID's must be produced and recorded in Canada effective October 1, 1977. Stations, however, may continue to use foreign musical "beds" for commercials—as long as they're aired only on the one station's facilities.

For television, minimum Canadian content levels will be 70% for 1976, 75% in 1977, and 80% in 1978. During 1978, the

objectives for subsequent years will be set.

A CRTC registration number will be assigned to all commercials, except those produced by a station for use only on its own facilities. Advertisers and ad agencies have the responsibility to obtain a registration number prior to supplying commercials to stations. They are then obliged to supply production details in quarterly reports to the CRTC.

In tv, Canadian content is already at healthy levels. Major concern in the industry is that the regulated quotas may prompt U.S. producers—perhaps under pressure from U.S. unions—to retaliate by withdrawing work from Canadian studios.

And CKLW Radio in Windsor, Ont., faces the task of persuading its audience and advertisers—both overwhelmingly American—to accept Canadianized ads. But our bet is that the Bassett-owned station is aggressive enough to succeed—and probably turn the handicap into a profitable production sideline.

\* \* \*

### Ottawa Hearing Held

Among the applications recently heard in Ottawa by the commission:

- Transfer of ownership of CKLC AM-FM Kingston, Ont., to a company to be incorporated represented by James Allan Waters. Waters is the son of CHUM Ltd. president Allan F.
- Power increases for CHED Edmonton, to 50 kw; CKSW Swift Current, Sask., to 10 kw on 570 kHz; and CBC's CFYK-TV Yellowknife, NWT, to 2.4 kw—the latter two both with a change of antenna site.
- Television rebroadcasters for the CBC, under the Accelerated Coverage Plan, at Rae/Edzo and Tuktoyaktuk, NWT, and Pelican Narrows, Sask.; two for the Avola TV Association, Avola, B.C.; and for Manitoba Hydro camps at Jenpeg, Long Spruce and Limestone.
- A 50-watt FM station at Alert, NWT, for Canadian Forces.
- FM rebroadcasters for the CBC French AM network, at Lac au Saumon and Causapscal, Que.
- Extension of the Global Television Network to include CKND-TV Winnipeg, Man., for news.

\* \* \*

### St. John's, Nfld., Next

A public hearing will be held at the Hotel Newfoundland beginning September 22, 1975, at 9:30 a.m. Applications include

renewals for most of the island's radio and tv stations. Also, Newfoundland Broadcasting is requesting an AM station at St. Anthony on 560 kHz, 1000 watts day, 250 night; while the CBC seeks rebroadcasters at Nain, Nfld., for both AM and tv, and 52-watt FM rebroadcasters for the French radio network at Cheticamp and Margaree, N.S.

\* \* \*

#### Policy on Student FM

Licences have been granted for student FM stations in Winnipeg (Jim Rogers, representing a company to be incorporated) and Ottawa (Carleton University Students' Association Inc.).

Reviewing its policy on student stations, the CRTC said that where such stations serve the general public, use of allotted channels, as listed in the official DOC FM Allotment Plan, will be permitted. Those which are of interest to students only will be expected to make use of low power drop-in channels.

Only one student station will be licensed in any community; its facilities are to be shared if there is more than one college. However, if frequencies are available, both English and French stations may be licensed in the same locality.

The stations are allowed up to four minutes per hour of commercials, with no more than six interruptions per hour. The

CRTC is placing a temporary "freeze" on further commercial student stations, until it has evaluated the effects of restricted commercial activity by these two stations.

Also undergoing evaluation will be other community and co-operative stations such as CKWR-FM Kitchener, CFRO-FM Vancouver, CINQ-FM Montreal and CHUT-FM Chicoutimi.

\* \* \*

#### Other CRTC Decisions:

- Local tv studios have been approved for the CBC's CBSET Labrador City, Nfld., and for CKYD-TV Dauphin, Man. CKYD is operated by Relay Communications Ltd., jointly owned by MTV Ltd. and Western Manitoba Broadcasters.

- Shortwave frequencies 9510 and 11875 kHz have been approved for Radio Canada International at Sackville, N.B.

- The Students' Union of Acadia University, Wolfville, N.S., has been licensed to operate a 50-watt carrier current station on 700 kHz, with up to four minutes per hour of advertising.

- The Alberta Educational Communications Corp. (ACCESS) has won approval for a 100 kw FM station on 97.3 MHz at Medicine Hat, Alta. It's part of a plan to cover the province with an educational FM network to rebroadcast CKUA-FM Edmonton. Previously licensed: Calgary and Lethbridge. To come: Red

Deer, Grande Prairie, Peace River, and at least seven "fill-in" stations.

- The CBC has been licensed for a 10 kw AM station at Rimouski, Que., on 1110 kHz, to rebroadcast CBGA Matane. It will be on-air in September, 1976. A timetable is to be submitted by the CBC for the establishment of a radio-tv production centre at Rimouski, and a tv application is expected by the end of the year.

- The CBC's CFLA-TV Goose Bay, Labrador, will be increasing power from 4.8 to 6.4 kw, with a change of antenna site.

- CHLT-TV Sherbrooke, Que., has been given a three-year renewal. A condition of the licence is that 20 hours of local programming be carried weekly, and CHLT is to report annually on its activities. The CRTC said it would act on complaints by the station, which joined the TVA network a year ago, that cable systems were not complying with its requests for program substitution in cases of simultaneous release. Regarding the indebtedness of Telemedia to Power Corp., the commission warned that Power Corp. not exercise control over CHLT or any other Telemedia station, either directly or indirectly.

- A 30-watt FM station has been licensed for Makkovik, Labrador, to broadcast 48 hours in English and 8 hours in Inuit weekly. Licensee is T. H. Andersen, representing an organization to be incorporated.

continued on page 28

# new products

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Closing date for the November/December issue is October 1st.

## directions

continued

- Grand River Cable TV Limited has applied to replace its existing head-ends with one at Plattsville, Ont., adding microwave relays to nine receiving stations for distribution of signals. The system covers a large area around Kitchener and Stratford, Ont. The CRTC has called for public comment to determine if a hearing is necessary. Most of the comment will probably centre on Grand River's re-allocation of some channels, particularly the removal of the Buffalo educational station from its basic service in favor of ABC station WKBW-TV.

- Skeena Broadcasters Ltd., in northern B.C., have won approval for an unusual application. They're decreasing the monthly fee for cable from \$8.50 to \$6.50 . . . plus microwave costs.

- A cable system has been licensed for Stayner and Wasaga, Ont., to Stanley Nixon, P. Stephens, D. Stephens, J. Heslip (each 16.6%) and R. Ciupa (33%). Slightly higher fees than normal were approved to compensate for the area's low density, the frequent disconnects which prevail in tourist areas, and higher set-up costs. Limited to three Buffalo signals, the system opts to omit WGR-TV (NBC). Car-

riage of all Toronto FM stations, except CBC, was deferred. Permitted: a local channel to include NFB feature films.

- It should be apparent by now that community access is one of the CRTC's priorities for cable tv. Giving a short-term renewal to Urban Cablevision Ltd. of Langford and Sooke, B.C., the commission requires "active steps to provide a studio and sufficient equipment" for local programming, independently of Victoria Cablevision Ltd.

- Approval has been given for a CBC FM outlet in Kingston, Ont., 100 kw on 107.5 MHz, to carry the English AM network.

- Also approved: two CBC FM stations in Sudbury, Ont., 50 kw on 97.1 and 98.1, to carry the English and French AM networks. Affiliation by CKSO and CFBR will continue until FM penetration increases. The commission warns the CBC not to relegate its AM network to the FM band, and to use AM frequencies, where they are still available, to reach the largest possible audience. It wants this done in Sudbury, with the FM stations eventually used to carry the CBC FM network.

- The application by J. Conrad Lavigne for an English AM station in Sudbury was de-

nied. It proposed changing the frequency of his CFCL Timmins to 850 kHz, clearing 620 for Sudbury.

- Denying the application of Bluewater TV Cable Ltd. of Goderich, Ont., for a rate increase, the CRTC called for "significant technical improvements" to be made.

- BROADCAST EQUIPMENT TODAY congratulates another "BET" making its debut this month. The CBC took over CKLW-TV in Windsor, Ont., on September 1, changing the call letters to CBET.

### French Stations Sought

Several applications for French-language broadcasting in eastern Ontario came before the recent Ottawa hearing. They included:

- A daytime station on 1110 kHz with 1 kw at Hawkesbury, Ont., by CFML Radio (Cornwall) Ltd.

- CBC-TV rebroadcasters at Peterborough (48.6 kw on channel 44), Kingston (48 kw on channel 32) and Belleville (180 kw on channel 15).

- CBC Radio rebroadcasters at Kingston (3 kw on 99.5 MHz) and Belleville (25 kw on 95.5 MHz).

### Cable for Newfoundland

The St. John's hearing to take place in the latter part of September will pave the way for cable tv in a dozen centres in the province. All applicants propose to bring in two commercial U.S. stations from Bangor, Maine, via the Atlantic provinces' microwave network, and most would also import the PBS station from Calais, Maine. The applicants are:

- **Atlantic Cablevision Ltd.** of St. John's (for St. John's, Mount Pearl, Gander, Grand Falls, Windsor, Deer Lake, Corner Brook, Stephenville and Port-Aux-Basques).

- **Chain Rock Telecommunications Corp. Ltd., Patrick J. Debourke**, representing a company to be incorporated, and **Metro Vision Ltd.**, all of St. John's (for St. John's and Mount Pearl).

- **G. J. Kazma** (for St. John's, Grand Falls and Windsor) and **Eleanor O'Hara** (for Mount Pearl), both of Dartmouth, N.S., and each representing companies to be incorporated.

- **Leonard A. Martin** of Corner Brook, representing a company to be incorporated (for Gander, Grand Falls, Windsor, Bish-

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## EQUIPMENT EXHIBITORS MAKE PLANS FOR CCBA

Among the exhibitors expected to participate in this year's annual meeting of the Central Canada Broadcasters Association at the Royal York Hotel in Toronto, October 26 to 28:

Ampex of Canada Ltd.  
Applied Electronics Ltd.  
Broadcast Video Systems  
Caldwell A/V Equipment Co. Ltd.  
Clark, Alex, L., Limited  
Comad Communications Ltd.  
Decca Austin Insulators  
Editel Communications Limited  
Electro & Optical Systems Ltd.  
English Electric Valve Limited  
Glentronix Ltd.  
Hitachi Denshi Ltd.  
Kingsway Film Equipment Ltd.

LeBlanc & Royle Communications  
Towers Limited  
Leitch Video Limited  
McCurdy Radio Industries Ltd.  
Memorex Canada Ltd.  
Meritron  
Neve, Rupert, of Canada Ltd.  
Noresco Manufacturing Co. Ltd.  
Panasonic  
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Tele-Tech Electronics Ltd.  
Westronic Engineering Sales Ltd.

op's Falls, Stephenville and Port-Aux-Basques).

● **Dr. Noel F. Murphy** of Corner Brook, representing a company to be incorporated (for Grand Falls, Deer Lake, Corner Brook, Stephenville, and Port-Aux-Basques). Dr. Murphy is president of Humber Valley Broadcasting, operators of a chain of radio stations in Newfoundland and Labrador.

● **Daniel E. Williams**, representing a company to be incorporated (for St. John's and Mount Pearl), **Central Cable Systems Ltd.** (for Grand Falls and Windsor), and **Western Cablevision Ltd.** (for Corner Brook and Stephenville), all of Box 999, Bedford, N.S.

● **Jean Fowlow** of Stephenville, representing a company to be incorporated (for Stephenville and area).

#### October 31 Deadline

The CRTC has set October 31, 1971 as the deadline for cable television applications to serve specified areas in the four western provinces. The areas are:

- **Manitoba:** Portage la Prairie, Brandon and Selkirk.
- **Saskatchewan:** Regina, Saskatoon, Moose Jaw and North Battleford.
- **Alberta:** Brooks, Wetaskawin and Camrose.
- **British Columbia:** Grand Forks, Agassiz, Harison Hot Springs, Rosedale, Hope, Midway, Sunset Beach, Lions Bay and Brunswick.

The commission emphasizes that applicants must provide full documentation on the use of microwave (see above) and that it will not consider applications predicated on videotaping of signals "unless all of the necessary authorizations have been received in writing and filed with the commission". It reminds applicants that CRTC policy is for cable licensees to hold effective ownership and control of local head-ends, amplifiers and drops, and restates its concern regarding the viability of "off air" service.

Manitoba and Saskatchewan applicants are expected to participate in the Tolstoi, Man. head-end.

Public hearing dates are to be announced later. When they come, much of the interest will be centred on Saskatchewan, where private enterprise will be bucking the provincial N.D.P. government's support of local co-operatives in seeking the coveted cable tv licences.

#### More Recent Decisions:

● Approval of the re-organization of Radio Acadie Ltee of Caraquet, N.B., to enable it to get on the air with a French station licensed over two years ago.

● CBC tv rebroadcasters are licensed for St-Fabien-de-Panet and two other Quebec communities, and six locations in Saskatchewan, while CBC Radio FM rebroadcasters are licensed for Sept-Iles and three other locations in Quebec, and four communities in Saskatchewan.

● In approving fee increases for ten Maritime cable licensees, to cover microwave costs, the commission ordered them to commence construction immediately and report back to October 15th.

● The Ontario Educational Communications Authority has won channel 9 for Thunder Bay, Ont., the commission ruling that the area has sufficient VHF channels to meet its needs.

● Applications by Calgary's two cable tv systems to add NBC have been deferred until CFAC-TV has had time to make its transition from CBC affiliate to independent status.

● CJEN St. Jerome will not be allowed to become a rebroadcaster of CJLA Lachute.

● CKCQ Quesnel, B.C. may increase power to 10 kw, switching frequencies with CKWL Williams Lake, and CKBX 100 Mile House may increase daytime power to 1kw. All three are owned by Caribou Broadcasters Ltd.

● Radio Nord Inc. has been granted two new rebroadcasters and a power increase, to improve its tv service to northwestern Quebec.

● The commission hopes it is on the way to solving the thorny reception problems in parts of New Brunswick. It has licensed New Brunswick Broadcasting (CHSJ-TV Saint John) for rebroadcasters at Campbellton (32.5 kw on channel 4) and Newcastle/Chatham (11 kw on channel 6) to provide CBC service. Moncton Broadcasting's rebroadcasters in the same areas on channels 7 and 12 are renewed, but are to disaffiliate from CBC and provide CTV service. Both companies are to improve their coverage\* in the Miramichi Valley area. The CRTC, however thinks that "some reception problems occur because viewers are using inadequate or faulty antenna equipment" and proposes that the stations have an educational campaign on the proper use of antennas.

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