

**CBC-FM, NOW 24 HOURS, GOES ON SATELLITE**

The CBC's English and French FM Stereo networks are now broadcasting 24 hours a day and, effective April 1, will be available to all cable operators via satellite. If all cable systems pick up the services, English FM will be available to 86% of all Canadians (up 17%), and French FM to 83% (up 58%). The CBC

stresses that satellite delivery does not replace its plan to extend coverage using conventional transmitters.

**INCREASED INDEPENDENT PRODUCTION FOR CBC**

Starting with the 1984 fall season, CBC-TV will increase prime time Canadian content by one hour a week on the English network and two hours a week on the

French network, (increasing percentages to 75 and 77, respectively). To meet this target, the CBC is committing up to \$23 million to finance film production in association with independent producers; with support from the Canadian Broadcast Program Development Fund, this could represent a potential investment of \$69 million in independent production.

**CKND-TV ADDS NEWSCAST; WINS MORE DRAMA AWARDS**

• A 30-minute news package at 6:00 pm has been added to the schedule of CKND-TV Winnipeg, with anchorman Linden Soles and sports director Brian Swain. The program is known as *CKND News—6:00 Report*. The existing late newscast, *Manitoba Tonight*, has been renamed *CKND News—10:30 Report*, with Jim Farrell and Marjorie Salki continuing as co-anchors, Joe Pascucci taking over sports, and Stan Kubicek handling the weather.

• Two CKND productions, *Hunting Season* and *Reunion*, have won gold and silver medals respectively at the New York 26th International Film and TV Festival. A third, *In the Fall* has three nominations for ACTRA's National awards in April, and is also nominated for NATPE's Iris award. Production on the series is continuing with *The Prodigal*, and a sixth drama—to be completed this summer.

**NEW CALGARY AM ON-AIR**

CFFR, Calgary's first new AM station in 20 years, has begun operations in stereo on 660 kHz with 50,000 watts. Known as 66-CFR (Calgary Family Radio), its format is contemporary hit music, with emphasis on the 50s and 60s, and strong local news and information. Owned and operated by Ralco Communications (CJME/CIZL-FM Regina, CKOM Saskatoon), CFFR has Gord Rawlinson as gm, Don Armstrong as assistant manager, Vince Cownden as pd and Steve Brown as news director.

**TVO EXPANSION**

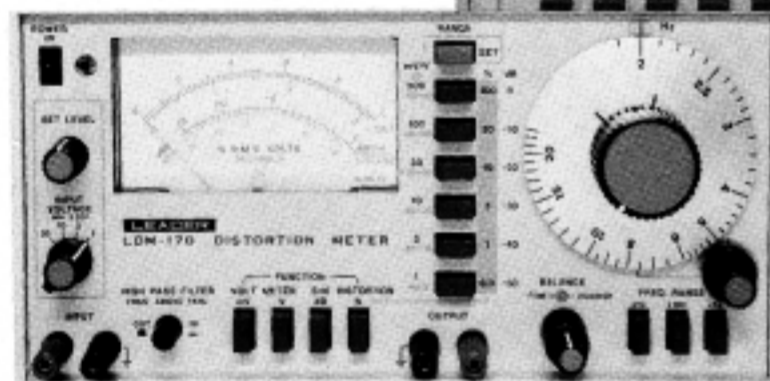
Some 56 northern Ontario communities are now equipped with low power rebroadcasters to receive a full off-air signal from TVOntario. The educational network's signal, beamed from Toronto via Anik C3, is received by a TVRO connected to the LPTV at each site. Northern communities of over 100 population may apply for a local transmitter through the provincial Ministry of Northern Affairs. Under the \$3.3 million program, as many as 170 communities could be equipped with LPTVs by 1985.

**More station news: pages 6, 40, 48**



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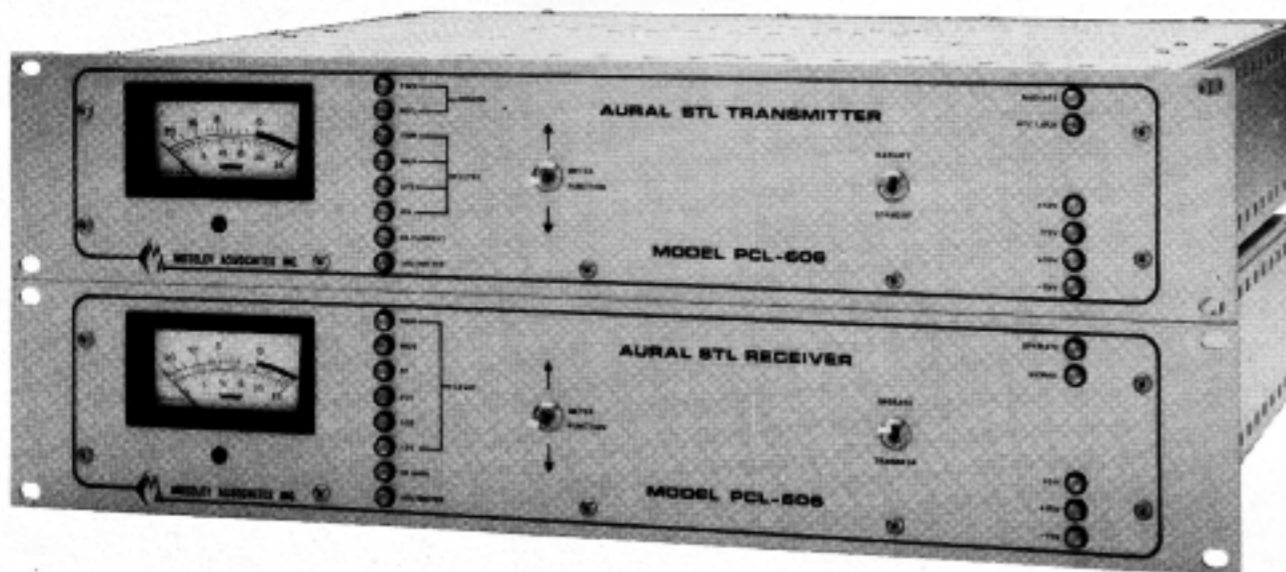
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## stations

### SOUNDCRAFT SAFETY AWARDS

Winners of Soundcraft/Canada Safety Council awards are:

- **CFTI-FM Timmins**—small markets
- **CJYQ St. John's**—medium markets
- **CJOB Winnipeg**—major markets

All included some aspect of children's safety. Soundcraft is a Radio Bureau of Canada project to encourage creativity in commercials; entries dealing with safety are sent on to the Canadian Safety Council for further judging.

### CJBQ's MURRAY RETIRES

Frank C. Murray has retired as general manager of Quinte Broadcasting (CJBQ, CIGL-FM Belleville, CJTN Trenton and CJNH Bancroft, ON). Associated with Quinte for 35 years, Frank Murray is a past president of the Central Canada Broadcasters Association and the Radio Bureau of Canada, and a former director of CAB. Active in many local organizations, he was recently honored in Lahr, West Germany, for his work promoting the 'twinning' of Lahr with Belleville. He continues as a consultant with Quinte Broadcasting and a director of Cablevue (Quinte) Ltd.

### Other stations in the news:

- Steve Bolton and Paul Bradbury of **CJYQ/CKIX-FM St. John's** hosted the Miss Teen Newfoundland pageant—it selected Kirsten Grabke to compete in the Miss Teen Canada pageant on CTV.
- Nick Frost, manager of **CHIM-FM Kelowna** for the past 8 years, has resigned to apply for a second FM station there—format would be 'beautiful music.'
- Non-commercial **CJRT-FM Toronto** met its objective of \$140,000—pledged by some 3,300 listeners—during a recent 9-day fund-raising drive. CJRT receives 60% of its financing from the Ontario government.
- **WQXR**, *The New York Times'* classical music station, is reducing commercials an average of 15%—as much as 40% in some time periods; a policy of going to music, no spots, after news, is also in effect.
- Quebec communications minister Jean-Francois Bertrand has proposed that Radio Quebec increase private sponsorship to four times its present \$800,000 level. Total budget for the province's educational TV network is \$54 million.
- **CISL Richmond** has won CRTC approval to move from 940 to 650 kHz, with a power increase to 10 kw day/7.5 kw night. The transmitter site will move from Lulu Island to Delta.
- **CKCY Sault Ste. Marie** has been given until April 30 to complete its change of frequency from 920 to 540 kHz, with 15 kw day/2.5 kw night.





# Clear Channels Yield 155 AM Assignments for Canada

### Canada-USA Bilateral Agreement Signed

With signing of the bilateral agreement on January 17th, 24 Canadian operating stations on U.S. and Canadian NARBA clear channels are confirmed, along with 131 assignments for proposed stations on these channels. The total of Canadian entries on the list attached to the new agreement is 163, but this includes six duplicate entries for the same channel at given locations, being options for operating parameters for a single station or mutually-exclusive options for competing stations. Also included is a dummy entry for Ottawa on 750 kHz, required for interference calculation only, and 1540 kHz in Toronto, which will permit CHIN to commence night operations (1540 is a Bahamas 1-A channel under NARBA, not one of the 32 on which Canada or USA had priority).

The agreement provides procedures for additions or changes to, or deletions from the list, but few future changes can be expected, since the negotiators have virtually saturated the possibilities on these channels.

The U.S. entries on these channels far outnumber the Canadian. The U.S. practice of retaining much lower power limits permits more frequent repetition of assignments; also, many U.S. entries are mutually exclusive, or for daytime-only operations.

The list provides not only basic parameters, but full detail of directional array designs, plus information on top-loading and on augmented patterns.

### Aftermath of Rio Agreement

Negotiations of the bilateral agreement was a necessary rationalization of the agreement resulting from the regional conference which concluded at Rio de Janeiro in December, 1981. The Plan from that conference listed many stations which were incompatible, and post-conference procedures were developed to sort out what would or would not be possible in assignments. The original Plan contained two lists, 'A' and 'B'—the former containing stations for which interference values to and from were acceptable; the latter, stations which faced or caused unaccepted interference conditions. (*A report on the conference and the original Canadian station list appeared in Technitopics in BT, March/April 1982.*)

Canada has now completed negotiations with all countries involved in our list 'B' assignments, and with signing of the U.S./Canada bilateral treaty, all surviving Canadian entries can be moved into List 'A' and the balance deleted. The original Rio listings provided 172 Canadian entries on the U.S. and Canadian NARBA clear channels. Of these, 27 were not retained, others were provided alternative frequencies, and in addition, ten further assignments were found possible. Canadian broadcasters should be thankful for the results achieved by our negotiators, in particular René Guindon and Doug Forde of DOC's Broadcasting Regulation Branch.

### Agreement Covers New Ground

The new agreement supersedes all previous agreements between the two countries including those provisions of NARBA relating to mutual undertakings, and any provisions of the Rio agreement with which it is inconsistent as regards mutual relations between Canada and the U.S.

Much of the agreement is a repetition of the details thrashed out at Rio, but a few new wrinkles have been added. The articles of the agreement cover the following subjects:

I—Definitions

II—Adoption of the Plan in Annex I or modifications resulting from Article III

III—Procedures for modification

IV—Format of notifications per Annex 1

V—Technical Criteria per Annex 2

VI—Groundwave measurement procedures and resolution of complaints.

VII—**Extended Hours of Operation**—being night-time hours which occur between 6 am and two hours after sunset local time, may be used with protection to other stations calculated using diurnal curves contained in Appendix 7 of Annex 2.

VIII—**Critical Hours of Operation**—Class B or C stations must protect Class A station in the other country, which originally had NARBA Class 1-A status, from local sunrise at the Class B or C site until 1 1/2 hours after sunrise at the path mid-point and also from 1 1/2 hours before sunset at mid-point until sunset at the Class B or C site. Protection values, obtained from a curve in Appendix 8 of Annex 2, are not particularly difficult to meet unless the protected station is not very distant from the Class B or C site.

IX—**Termination of Previous Agreements**—this agreement now represents the only Canada/U.S. agreement governing AM broadcasting.

X—Periodic Review is now provided for on a five-year cycle.

XI—Amendment of the Annexes—except for station changes to the list in Annex 1, made in accordance with Article 3, amendments to the Annexes may be made by an exchange of letters.

XII—Entry into Force: January 17, 1984.

Annex 1—Contains instructions and forms for notifications, lists of former NARBA Class 1-A stations to be protected during critical hours, and 1-B stations, and the Plan. However, two important qualifications are attached to the Plan annexed to this agreement. First, the list is incomplete, in that it contains stations on only the 32 channels which originally were NARBA Canadian or US clear channels, plus the night operation for CHIN Toronto on 1540. However, the full Plan includes all assignments coordinated under previous agreements. Secondly, the assignments in the Plan on the former NARBA local channels 1230, 1240, 1340, 1400, 1450 and 1490 kHz are on the basis of agreement that night power may be increased to one kw or in some individual cases, to other powers, the effective dates to be established by an exchange of letters. Furthermore, daytime powers of stations on these channels may be increased provided satisfactory protection is maintained.

Annex 2—**Technical Criteria**—largely based upon the criteria accepted at Rio, contained in Annex 2 of the regional agreement. There are a few additions plus deletion of some superfluous information, such as criteria related to the tropical noise zone. Added is a new 10% skywave curve, Fig. 4-A to replace the 8 db differential from the 50% curve used at Rio. The values for diurnal factor used in calculation of extended hours are given in Figures and Tables 5A and 5B. Criteria and guidelines for reduced design tolerance (reduced Q) are provided in Attachments B and C. Calculations for extended hours of operation are in Appendix 7 and for critical hours of operation in Appendix 8.

*Sandy Day is vice-president of Engineering Services, Canadian Association of Broadcasters. Readers' comments or questions may be addressed c/o CAB, Box 627, Station B, Ottawa, ON, K1P 5S2*



# COMPLETE LIST OF FUTURE AM CHANNELS ASSIGNED TO CANADA

## LIST OF STATIONS—U.S./CANADA AGREEMENT

Basic antenna data only is given below, DA = directional, DA-1 = one pattern only, DA-2 = different day and night patterns, ND = non-directional.

City	kHz	Call	Power Day	(kw) Night	D/ND
<b>YUKON</b>					
Whitehorse	740	new	1	1	ND
<b>NORTHWEST TERRITORIES</b>					
Inuvik	860	CHAK	1	1	ND
Inuvik	1100	new	10	1.5	ND
<b>BRITISH COLUMBIA</b>					
Abbotsford	760	new	10	10	DA-N
Ashcroft	740	new	10	2.5	DA-N
Castlegar	760	new	20	5	DA-N
Chilliwack	880	new	10	10	DA-N
Clearwater	1210	new	10	1	ND
Fort St. John	1120	new	10	0.25	ND
Hazelton	830	new	10	10	DA-N

Hope	1100	new	10	0.5	ND
Kamloops	660	new	10	1	DA-N
Kamloops	700	new	10	10	DA-N
Kelowna	720	new	10	10	DA-N
Kitimat	1100	new	10	1	ND
Nelson	640	new	10	4	DA-N
Nelson	860	new	1	1	DA-1
Penticton	780	CKOK	20	10	DA-2
Port Alice	840	new	10	0.5	ND
Prince George	870	new	10	10	DA-N
Prince George	1030	new	10	10	DA-N
Prince Rupert	720	new	10	5	DA-N
Prince Rupert	860	CFPR(A)	10	10	DA-1
Prince Rupert	990	new	10	10	DA-N
Trail	890	new(B/C)	1	1	DA-N
Terrace	1020	new	10	1	ND
Vancouver	540	new	50	10	DA-2
Vancouver	650	CISL	10	7.5	DA-2
Vancouver	690	CBU	50	50	DA-1
Vancouver	1040	new	50	25	DA-2
Victoria	830	new	10	10	DA-1
Victoria	1200	new	50	50	DA-1
Williams Lake	890	new	10	10	DA-N

## ALBERTA

Calgary	660	new	50	50	DA-2
Calgary	700	new	50	50	DA-2
Calgary	770	new	50	50	DA-N
Calgary	1010	CBR(A)	50	50	DA-2
Edmonton	740	CBX	50	50	DA-2
Edmonton	880	new	50	50	DA-N
Edmonton	1200	new	50	50	DA-N
Edmonton	1580	new	50	50	DA-N
Edson	1030	new	10	0.3	ND
Grande Prairie	840	new	10	10	DA-N
Medicine Hat	720	new	10	5	DA-2
Red Deer	700	CKGY	50	50	DA-2
Vegreville	1160	new	10	2.5	DA-N

## SASKATCHEWAN

Gravelbourg	690	CBKF-1	5	5	DA-N
North Battleford	830	new	10	1	DA-N
Regina	760	new	10	5	DA-N
Regina	1210	new	10	10	DA-N
Saskatoon	650	new	10	10	DA-2
Saskatoon	750	new	10	10	DA-2
Saskatoon	820	new	10	10	DA-2
Saskatoon	860	CBKF-2	10	10	DA-2
Saskatoon	1120	new	10	5	DA-2
Shaunavon	1100	new	10	10	DA-N
Swift Current	890	new	10	2.5	DA-N
Watrous	540	CBK(A)	50	50	ND
Weyburn	840	new	10	2.5	DA-N
Yorkton	1020	—	10	7.5	DA-2

## MANITOBA

Brandon	880	new	10	10	DA-2
Thompson	1210	new	10	10	DA-N
Virde	1180	new	10	1	DA-N
Winnipeg	990	CBW(A)	50	50	ND
Winnipeg	1100	new	10	2.5	DA-N
Winnipeg	1580	new	10	5	DA-2



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# AM Channels

## ONTARIO

Brockville	830	new	5	1	DA-N
Cornwall	640	new	-	5	DA
Dryden	820	new	1	1	DA-N
Fort Frances	640	CFOB	1	1	DA-N
Fort Frances	880	new	10	2.5	DA-N
Hamilton	820	-	50	10	DA-2
Kenora	660	new	1	0.5	DA-N
Kenora	1020	new	10	1	DA-N
North Bay	840	new	10	1	DA-N
Ottawa	540	CJSB	50	10	DA-2
Ottawa	750	new	-	0.5	DA
(included for reference only, see Rimouski)					
Ottawa	1200	new	50	50	DA-2
Pembroke	870	new	10	5	DA-2
Sault Ste. Marie	540	CKCY	20	3	DA-2
Sault Ste. Marie	870	new	10	3	DA-2
Sault Ste. Marie	1200	new	10	10	DA-N
Thunder Bay	870	new	10	4	DA-N
Thunder Bay	1010	new	10	5	DA-N
Thunder Bay	1160	new	10	4	DA-N
Tilsonburg	1200	new	-	10	DA-N
Timmins	750	new	10	5	DA-2
Timmins	1040	new	10	2	DA-N
Timmins	1120	new	10	2.5	DA-N
Toronto	640	new	20	25	DA-2
Toronto	740	CBL(A)	50	50	ND
Toronto	860	CJBC(A)	50	50	ND
Toronto	1010	CFRB(A)	50	50	DA-2
Toronto	1540	CHIN	-	15	DA-N
Windsor	540	CBEF	2.5	5	DA-1

## QUEBEC

Alma	700	new	10	1	DA-N
Baie Comeau	670	new	10	2.5	DA-N
Baie Comeau	1160	new	10	2.5	DA-N
Chicoutimi	540	CHIC	10	10	DA-N
Chicoutimi	1580	CBJ(A)	50	50	DA-1
Dolbeau	1040	new	10	5	DA-N
Drummondville	820	new	5	5	DA-N
Montreal	650	new	10	2.5	DA-N
Montreal	690	CBF(A)	50	50	ND
Montreal	990	new	50	50	DA-2
Montreal	990	new	-	50	DA
Montreal	990	new	-	25	DA
Montreal	1040	new	10	2.5	DA-2
Montreal	1200	new	50	50	DA-N
New Carlisle	540	CBGA-1	10	10	DA-2
Percé	1180	new	10	1	DA-N
Quebec	870	new	10	10	DA-N
Répentigny	1200	new	5	5	DA-1
Rivière du Loup	720	new	10	2.5	DA-N
Rimouski	750	new	10	5	DA-N
Rouyn/Noranda	650	-	10	1	DA-N
Sept-Iles	650	new	10	5	DA-N
Sherbrooke	1120	new	10	2.5	DA-N

## NEW BRUNSWICK

Bathurst	870	new	10	10	DA-N
Edmunston	890	new	5	2.5	DA-N
Fredericton	650	new	10	2.5	DA-N
Grand Falls	1040	new	10	5	DA-N
Moncton	1030	new	50	1	DA-N
Saint John	700	new	10	1	DA-N

## NOVA SCOTIA

Amherst	840	new	10	5	DA-N
Halifax	540	new	10	10	DA-N
Halifax	820	new	50	50	DA-N
Halifax	860	CBH	10	10	DA-N
Halifax	1120	new	50	50	DA-N
Halifax	1200	new	10	10	DA-N
New Glasgow	1020	new	10	1	DA-N
Sydney	820	new	10	10	DA-N
Truro	760	new	10	1	DA-N
Yarmouth	780	new	10	2.5	DA-N

## NEWFOUNDLAND

Bonavista Bay	750	CBGY(A)	10	10	DA-2
Corner Brook	700	new	10	10	DA-N
Corner Brook	780	new	10	10	DA-N
Corner Brook	990	CBY(A)	10	10	ND
Corner Brook	1100	new	10	5	DA-N
Gander	650	new	10	5	DA-N
Gander	1010	-	5	5	ND
Goose Bay	740	new	10	1	DA-N
Grand Falls	540	CBT(A)	10	10	ND
Grand Falls	1040	new	10	5	DA-N
Marystown	740	CBNM	10	10	DA-N
Musgravetown	670	CHYQ(A)	10	10	DA-2
St. John's	640	CBN(A)	10	10	ND
St. John's	690	new	10	2.5	DA-2
St. John's	1030	new	10	10	DA-N
St. John's	1180	new	10	10	DA-N
St. John's	1210	new	10	10	DA-N
Stephenville	870	new	0.5	0.5	ND


## PRINCE EDWARD ISLAND

Charlottetown	720	new	10	5	DA-N
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## NEW FACILITIES FOR CJOR— THE TALK OF VANCOUVER!

For 60 years, one of Canada's pioneer radio stations, CJOR, has been part of the history of Vancouver and the west coast.

Today, CJOR 600 is entering a new era—marked by its move to a modern spacious facility at 1401 West 8th Avenue. There are also new management and direction, and a new programming policy, *News Talk Radio—Vancouver*. In an added note of optimism, 3,000 square feet of the 11,000 total in the new layout have been set aside for FM studios, in the expectation of acquiring an FM licence.

The move ended CJOR's long-term residency, 54 years, in the lower level of the Grosvenor Hotel.

As to the beginnings of CJOR, the official version is that it began in 1924 in the rear of New Westminster battery shop, as CFXC. In 1926, it became CJOR, and for many years was owned by the late George C. Chandler, recently inducted into the Canadian Association of Broadcasters' Hall of Fame.

Today, the station is owned by Jim Pattison Industries Ltd., and management personnel includes L. Harvey Gold, president, who joined CJOR last year from CKOY Ottawa; David Bremner, general sales manager; Rudy Herman, chief engineer; and Eleanor Jorge, accounting manager.

### Programming built on Talk Show Hosts

Major on-air talent at the station includes:

- Frank Callaghan—anchorman for *Vancouver AM*, a news and information program, from 5:30-8:30 am. Frank also functions as program director.
- Rafe Mair—ex-B.C. cabinet minister, who does a talk show from 8:30 am to noon, assisted by Fanny Kiefer, producer and on-air personality.
- Doug Collins—war hero and longstanding B.C. journalist, 12:30-3:00 pm.



Main reception area is centred between the broadcast and administrative sides of the new facility.



Office of president and general manager L. Harvey Gold.



CJOR master control is equipped with Auditratics Series 200 mixing board, ITC cart machines, Otari 5050B tape machines, Technics SP-15 turntables and EV Sentry 100 monitors. Studio equipment includes an Aristocart telephone talk-show system in Studio A, BE 4M50 mixer in news booth.



Production control room is equipped with an Auditratics 110A production board, Otari 5050 MK III 4-track tape machine, Otari 5050B-II 2-track and full track, ITC cart machines, Technics SP-15 turntables and EV Sentry 100 monitors.

continued on page 42



## Cover Story: CJOR Vancouver

- Art Finley—former star of KGO San Francisco, 3:00-6:00 pm.
- Pat Burns—the original 'hotliner' who has been on CJOR for the past 20 years (with the exception of a short stint on CKGM Montreal in the '60s), 6:30-10:00 pm.
- David Berner—actor, writer, producer and former TV enter-



Newsroom has four work stations, each with a DTL switcher, Revox PR-99 tape machine, ITC cart machine and a Technics M280 cassette machine.

tainment reviewer, hosts *A Little Berner in the Night*, a talk show on entertainment and sports, broadcast live weeknights from the lobby of the Westin Bayshore Hotel, 10:00 pm to 1:00 am.

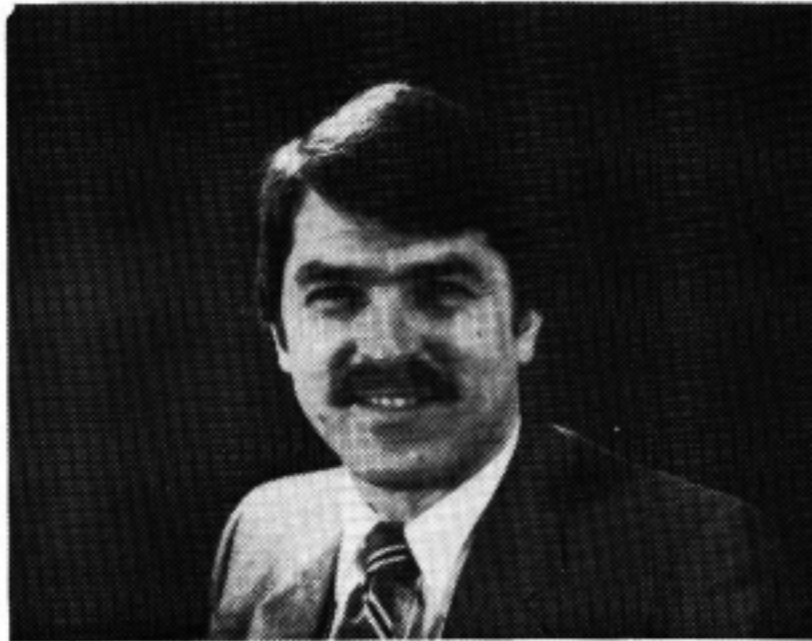
With *News Talk Radio—Vancouver*, CJOR plays no music whatsoever during its daytime programming.



Board room is equipped for every form of presentation; has an adjoining kitchen/projection room Audio equipment, concealed in walls beside chalkboard, slides out on roller tracks.

## CJOR: Part of the History of Canadian Broadcasting

### McCURDY RADIO INDUSTRIES APPOINTMENT



**E.G. (Ernie) Moldowan**  
Manager—Western Region

McCurdy Radio Industries Ltd. is pleased to announce that E.G. (Ernie) Moldowan has joined our staff as Manager—Western Region. Ernie previously was Broadcast and Communications Division Manager for Westronic Engineering Sales Ltd.

As part of the international marketing of our expanded product line, Ernie will be directing the sales and factory liaison with our customers throughout Western Canada and the Western U.S.A.

Westronic Engineering Sales Ltd. will continue to represent McCurdy Radio Industries Ltd. to its British Columbia customers through their Vancouver office.

CJOR started in 1922 as CKFX. It was owned by the Westminster Trust Company and became CJOR in 1926. George Chandler bought it for \$600—half in cash, and twenty-five a month. The studio was in an apartment. He slept in the bedroom. The kitchen was the engineer's office. And they broadcast from the living room. Then they moved to space over the Alexandra Ballroom. Mart Kenney says he owes his success to CJOR. He was playing the Alexandra and the CPR was trying out bands in Calgary to go to Banff for the summer. Kenney wanted to audition, but he couldn't afford to go to Calgary. So we arranged things. After we went off the air at twelve o'clock, we'd come back on the air at one, especially for Mart Kenney. He played a one-hour programme of music and because we were on a good frequency and all the stations were off, they could pick us up in Calgary. The manager of the Palliser Hotel heard Mart, liked what he heard, and hired him. That's how he got his career started.

We also had a group at CJOR putting on live drama. We did historic dramatizations of all the big companies in this area—the CPR, the Powell River Company, MacMillan-Bloedel, for example. It made CJOR's name well known. We did the first Canadian Golf Championship carrying heavy remote equipment around on a stretcher. Nobody had any money but we'd work our guts out to do something because it was fun. We started 'Town Meeting in Canada,' a sort of public forum. We did 'Treasure Trail,' a giveaway show. We gave away fifty silver dollars each week, and people had to send in their gum wrappers. We got 35,000 thousand letters in one week. —Don Laws.

...I did a great many productions at CJOR in Vancouver. That's where I first worked with Alan Young. It was in a comedy show directed by Andrew Allan; Fletcher Markle was in it, and Bernie Braden. We all worked on each other's shows and we were all ready to descend on Toronto which, eventually, we all did. —John Drainie

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by Phil Stone

As they are wont to say on many a newscast: *Here's what has been happening...* Two radio personalities in Milwaukee, as a gag, told their audience that a B-19 bomber was going to drop a load of the popular Cabbage Patch Kids dolls on a parking lot. Listeners were told to bring their catcher's mitts and American Express cards and that they should hold the cards up to the sky permitting an aerial photo to be taken of the charge number. Over 20 people showed up!...

According to CP, there are more than 422,600 ham operators in North America... Broadcaster-writer **Larry Zolf** doing a book on the Canadian Senate with the working title of *The Survival of the Fattest*... RCA is introducing a new generation of picture tubes, said to reduce the cost of color TVs while improving performance and reliability... One day when I was running the radio course at Humber, a good-looking black man came into my office and asked to speak to me. Turned out he was studying music at the college, but decided he preferred radio. When I heard his beautiful, deep voice, I accepted him readily. He eventually went to CKNX Wingham, and after a time on-air, moved into sales. Now we hear that **McDaniel Phillips** has gone to the south Pacific as a missionary... Perhaps sometimes 'those who can't, teach'—but you can't say it about **Gary Parkhill**, head of Conestoga College's broadcasting course. He not only has a regular radio show in Kitchener, but also two TV shows... The CRTC gave CFMX-FM Cobourg a 3-year licence. Recently in receivership, CFMX is being up-dated by new owner **Martin Rosenthal**, who also owns Electro Sonic Inc...

AT CBC/RADIO-CANADA, **Paul Rousseau** became director, TV sales, **Jacques Bazinet** assistant director, and **Fernand Lachance** manager of network sales... **Diane Filer** is now heading CBC-TV's office in London, England... And **Doug Caldwell**, formerly program co-ordinator for CBC in the U.K., is executive producer of *As It Happens*, which now features **Chris Thomas** and **Barbara Smith** as regular hosts... **Andrew Simon**, who taught at Humber College for a while, became head of CBC's current affairs department... **Stan Colbert**, whose wife Nancy is a top literary agent, completed his three-year term as head of TV entertainment...

**Al Primo**, the man credited with coining *Eyewitness News*, says about 100 U.S. stations use that signature; other popular news titles: *News Centre*, *NewsHour*, *News Beat*, *Action News*, *NewsRoom*, *NightScene*, *Nightside* and *Nightbeat*. Primo is a news consultant—his fee: \$50,000 and up... **Jim Kidd**, p.d. at CKQT-FM Oshawa, called to say he has also obtained franchises for Video Station ('the MacDonal'd's of video') in Whitby and Oshawa... The late **Spence Caldwell**, killed in a December auto accident, used to tell me when I was at Humber that he was going to drop in 'and see what you're up to in that radio course'. He never made it, and I'm sorry... A 30-second spot on this year's Super Bowl reportedly cost \$450,000; regular Sunday games get \$120,000, Monday nights, \$185,000...

The retirement of **Don Hartford** from Standard Radio removes from active broadcasting a fine gentleman for whom we have always had the greatest respect and admiration. We wish him and his wife, Jean, many happy days—and Don, may the hunting and fishing be the best ever. Don was recently inducted into the Canadian Music Industry Hall of Fame, a well-deserved salute to his strong involvement in the Canadian Talent Library... Now with a total of 280 stations, Selkirk is the second largest radio sales rep firm in the U.S. It bought Torbet Radio (150 sta-

tions), adding it to Selcom's 130 stations. Recently appointed president of Selcom, **Barbara Crooks** is the first woman to be president of a major U.S. rep firm... **Ann Rohmer**, co-host of Global's *That's Life* and daughter of **Richard Rohmer**, is scheduled to marry skier **Steve Podborski** on May 12... **Lynn Gordon** dropped her consumer reports on CKO to become entertainment editor... **Paul Kellogg** who broadcast on CFRB and CKEY is out of radio and planning a chain of no-frill stores... **Gordon Sinclair** dropped his Monday broadcasts—is still heard Tuesday thru Friday. He's 84 this year... Condolences to **Bill Walker**, also of CFRB, whose mother passed away... **Brenda Burns** became p.r. director for CKFM... **Dom Tersigni** won accolades for his work as a court reporter at CKTB/CJQR St. Catharines... The Russian announcer we wrote about—put into a psychiatric clinic for praising Afghan guerillas who fought against 'Soviet invaders' (his words)—has been released. 'He was ill but now he has been cured,' said a spokesman. Who ever said broadcasting wasn't fun and games?...

The CBC is extending its English and French FM services from 19 to 24 hours a day—reportedly with rock and pop music between midnight and 6 a.m. In April, the services will be available to all cable companies via satellite, and long-range plans call for more FM stereo transmitters to fill in the gaps...

**Ced Haynes**, a former Radio Bureau president, is living in Cobourg, Ontario, where he heads the restoration effort to preserve Victoria Hall, an 1860 landmark. He is reported to have received support from many radio broadcasters in Ontario... **Marilyn Stitt** of Q-107 has been succeeded by **Sherland Forde** of Canadian Media Corp. as president of the Broadcast Research Council... At CKEY Toronto: the nightly 2-hour *Sports Talk* with **Mark Hebscher** has been cancelled, **Rich Hallson** from CJCL became p.d., **Gene Stevens** is the new p.r. man, and **Chris Mayberry**, previously in London and Ottawa, is now doing sports... The Canadian Broadcast Development Fund has earmarked \$12 million, a third of its 83-84 budget, for 38 projects (variety, drama, childrens)—22 English, 16 French... Word is that **Fred Davis** plans to re-marry; prospective bride is novelist **Joy Carroll**... **Wade Rowlan**, chief news writer at CTV, is working on a biography of **Harvey Kirck**... **Honore F. Chevrier**, who was with CBC, then v.p. of Keeble Cable, passed away. He was a member of the Boxing Hall of Fame...

CABLE TV NEWS: **Michael Hind-Smith**, with CCTA since 1975, was re-appointed president and c.e.o. of the cable association for another two years from March 1/84... New executive of Canadian Women in Cable includes **Beverley Briggs**, president; **Leah Myer**, v.p.; **Heather Gordon**, treasurer; **Ann Mollen**, secretary; **Elaine LaChappelle**, **Myrna Pilgraim** and **Martha Collins**.

First Choice Pay-TV, which at last report had close to 350,000 subscribers, signed with the U.S. Entertainment and Sports network for up to 14 hours a week of ESPN programming. Because of the rights factor, it's doubtful any of these sports shows will be of Canadian origin... At 60% (4.9 million homes), Canada ranks #5 among all countries in cable TV penetration... And a reminder that CCTA's Convention & Cablexpo goes June 11-14 in Ottawa; if you require housing call **Gail McHarday** at (613) 237-5150...

**Jonathan Winters** has signed as a regular on the *Hee Haw* show... **Robert De La Durantaye** became v.p., marketing, of Tele-Capital... **Suzanne Marshall** moved to All-Canada Radio as marketing research co-ordinator, replacing **Donna Crawford**, who became a sales rep... According to UPI, Christian Models—



USA will be a 'wholesome modelling service' providing some 100 modestly-clothed models... Word is that the Blackburn holdings (which include the CFPL London and CKNX Wingham group) will remain with the family, following the death of **Walter Blackburn**... An added inroad into the ad dollar: *The Globe & Mail* plans an afternoon edition... The Radio Bureau will produce a 'radio product measurement' study to be released about the end of the year; based on two 1984 BBM surveys, it will use the return-to-sample technique successfully tested in Ontario last year... CFMT-TV Toronto dropped **Gerald Pratley**—attempt to build him as their movie personality apparently didn't work.

The BBC and Britain's Electricity Council are developing 'radio teleswitching' to control electricity consumption. A coded signal, transmitted along with normal radio programs and decoded by special receivers in the home, can switch on and off such appliances as water heaters... Canada's golfing hope, **Sandra Post**, is playing less and less, would rather be doing TV sports... **John Gilbert's** CKO Toronto talk show has been expanded to Ottawa, London and Montreal... *A former executive, now retired, told me that what kills him is taking three-hour lunches on his own time...* **Vic Phillips**, long one of Canada's best police reporters, resigned from CFTO-TV to write novels and free-lance. Vic has already published one book, *Clowns Wear Guns—The Heroin Merchants* is due in September... **Koo Stark** has a TV show in England interviewing rock stars... *Agents are people who will always be around as long as someone else has talent...* NEW TVB EXECUTIVE: chairman is **Ted Delaney** of CFTO Toronto; vice-chairmen are **Bruce Cowie** of CKTV Regina and **Gilles Loslier** of Paul L'Anglais; secretary-treasurer is **Fred Sherratt** of ATV; directors are **Ted Billo**, CJOH Ottawa, **Terry Coles**, CFCN Calgary, **Bill McGregor**, CKCO Kitchener, and **Donald Smith**, BCTV Vancouver...

**Henry Kowalski** left CBLT to be producer of CTV's National News, to be revamped when **Harvey Kirck** leaves...

**John Majhor**, who left CHUM to go to CFMT-TV as host of a video rock show, has returned to the CHUM organization in that he is now with CITY-TV as host of a late night weekend rock video show...



Majhor

The influential Canadian Judicial Council is opposing TV cameras in Ontario courts.

...The new *Encyclopedia of Rock & Roll* (General Publishing, \$16.95) could be useful to many stations... CHFI did a big job raising funds for Canada's ski team...

CBLT is said to be launching a morning information show to compete with CTV's *Canada AM*... **Gord Singleton**, in his time one of Canada's top cyclists, will do color commentary for CBC-TV at the L.A. Olympics... Global TV, now 10 years old, plans to have **Peter Trueman** do 30 minutes of evening news from Ottawa; **Jan Tennant** will anchor 60 minutes from Toronto. Global is gambling that a 'national' touch will improve ratings... Also at CIII-TV, **Andy Barrie** gave up his anchordesk to prepare special news features—**John Dawe** is filling in; and **Martha Howlett**, host of the syndicated exercise show, is doing the new weatherboard for Global...

'Most everyone knew **Harold Moon**, one of the nicest people one could ever hope to know. In the music business since 1927 as a songwriter, orchestra manager, booking agent, producer and administrator, he was chairman of PRO (formerly BMI Canada). He died January 5 at his winter home in Yuma, Arizona, aged 75, leaving his wife Vera and brother Clyde...

**Phyllis Kerr**, wife of actor-singer **Charles Kerr** and a founder of the Ottawa local of ACTRA, passed away at age 59 of cancer... Sportscaster **Ernie Calcutt**, 51, died of a massive stroke. With CFRA since 1961, Ernie was voice of the Ottawa Roughriders and a past president of the football reporters... In my early days as a sportscaster with CHUM, among the wrestlers I interviewed was **Lord Athol Layton**. I was greatly saddened when a heart attack took his life. Independently of our connection, my youngest son, Glen, and Athol's youngest son, Chris, became good friends when both worked for CJCL Toronto...

In Israel, TV's *Wonder Woman* is still so popular it was moved to a later time on Saturday night so that religious Jews could watch it after the Sabbath sundown... **Tom Clark**, who co-hosted CFTO's weekly *Hourolong* with **Isobel Bassett**, was named CTV Peking correspondent—at 31, the youngest ever so appointed. He replaces **Robert Hurst**, now with the CTV Ottawa bureau, and **Del Archer**, from the Atlantic bureau, takes over on *Hourolong*... **Jill Moffatt**, traffic manager for CKTB St. Catharines, and husband newscaster **Murray Moffatt** are expecting their first child this summer... **Jerry Good** reports that **Lisa Harrison** is CKFM's 'sesquicentennial expert' covering Toronto's 150th birthday celebrations during 1984... Also at CKFM, **Julianne Burgess** became traffic reporter... **Ron Wilson** of CBC Radio was chosen broadcaster of the year and winner of the Gilbert award (named in memory of the Edmonton sports writer killed by a car while covering the Pan American games in 1979)... CFRB vp **John Spragge**, always in demand as a public speaker, travelled to Bombay, India, to speak to a Rotary conference. That's international repute!... While **Sid Margles** of CJSB Ottawa is off on another assignment for Standard, **Linda Benoit** is both acting manager and sales manager... After 18 years at CJRN Niagara, **John Michael**, the popular open-line host, and his producer, **Darryl Whitehead**, moved to CKTB... Montreal ski reporter **Carey O'Donnell** (CKGM/CHOM-FM, *Ski Canada, Gazette*) was named marketing director for Ski Morin Heights...

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Baton Broadcasting reports improved TV time sales, however radio dropped, mainly because of ongoing problems at CKLW/CKJY Windsor... **James Garner's** 6-year contract with Polaroid has expired, so he's formed a production company with **Peter Duchow** to develop movies and TV series... **Doug Henderson**, formerly in radio sales at the now-defunct Telecapital Unicom rep house, is with Creative Broadcast Reps... **Jim Deeks** has taken over as head of Media Techniques, MacLaren Advertising's executive training subsidiary, after **Agota Gabor** resigned, expectedly to devote more time to her own company, which offers broadcast training... Pathonic closed its Toronto office, and in Montreal, **Gilles Leduc** took over from **Pierre Paul Bourdon** as sales vp... 'If you pay peanuts,' said the consultant to the station owner, 'you'll get monkeys'...

The world's first 'Masters Games' will be held in Toronto in the summer of 1985 by 'Masterminds'—a large group of people whose aim is health, fitness and pleasure through participation and competition. Members include **Guido Basso, Wally Crouter, Johnny Lombardi, Maureen MacTeer, Jan and Susan Rubes, Jan Tennant, Debbie Van Kiekebelt** and **Peter Worthington**.

In Britain, where the media have always been plagued with a resistance by personnel to new technology, 15 BBC-TV journalists campaigned against replacement of typewriters with computer terminals... **Alan Thicke**, who has been doing some acting (*Loveboat, ABC Movie of the Week*) has his TV talk show renewed for 100 shows... In Canada, there are 117 daily newspapers (paid circulation 5.23 million) and 14 Sunday papers (circulation 2 million)... CHCH-TV is putting together a series of half-hour shows to feature major musical figures including **Rosanne Cash, Glenn Campbell** and **Ronnie Hawkins**. CJCJ Sydney,

founded Feb. 14, 1929, marked its 55th birthday by going to AM Stereo... **Corinne Cote-Levesque**, wife of the Quebec premier, is trying out her interviewing skills on CKVL Montreal...

A *Ladies Home Journal* survey says women under 35 would rather make love than do anything else; women over 45 would rather watch TV... **John Donabie** joined CFGM Toronto at music director, and **Jim Marshall** has returned to hosting the CKGM morning show... **David & Ruth Onley** (his programs on space and technology are a CKO highlight) are celebrating the birth of their first, Jonathan... Producer **Brigitte Berman** (*Take Thirty*) who did a much-lauded piece on jazz trumpeter **Bix Beiderbecke**, is now preparing a 12-hour documentary on bandleader **Artie Shaw**, now 73... I ran into former CBC personality **Bruce Smith**—retired, he keeps busy in other endeavors and looks absolutely great... If predictions are right, Canadian FM stations which are jointly-owned with AMs are soon expected to be allowed an extra 30 min. of commercials per day.

...**Samantha Taylor** of Q-107 is the new host of MTV's *Video Singles*... We're grateful to **Gillian Jacobs** of TvB for providing material for our broadcast management course at Conestoga ... At the college's recent Awards Dinner, **Ted Rogers** gave an outstanding ad-lib address, and another Rogers executive, **Don McAlpine** was also very effective. One of the lines used that night was pulled on me once: I was standing with a group of broadcasting biggies and one said, 'Phil, we hear you on radio all the time, how come we don't see you on TV?' 'Because,' shot back one of the TV guys, 'Phil has a perfect face for radio'...

You don't have to see Phil face to face to get your news into *Broadcast Beat*. Just mail it along to: **Phil Stone, 2350 Bridletowne Circle, #1601, Scarborough, Ontario M1W 3E6.**

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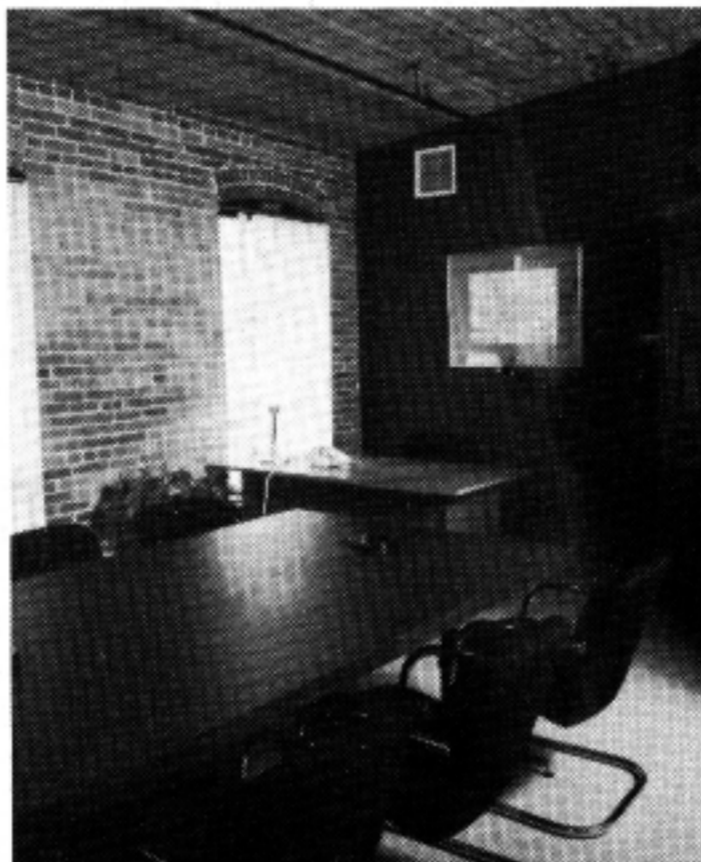
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# New CIHI, CKHJ-FM Facilities in

CIHI first went on the air August 19, 1977. From that date on, a formidable audience has grown, backing our efforts to the point that major additions and changes were contemplated as early as 12 months after our on-air date. The idea of Country FM was formulated and set on the drawing board—CKHJ-FM went on the air July 15, 1983—and a complete revamp of CIHI-AM was included.

The first thing, obviously, on the agenda of building a radio station is a location. Plans for new buildings or the acquisition of existing buildings were being contemplated when our owner Jim Ross, who is also a real estate developer, acquired a property at 364 Argyle Street in Fredericton. This three-storey building in the older section of the city had been a turn-of-the-century boot and shoe factory, and was saved from the demolition crews by Mr. Ross. It now has been completely renovated, preserving remarkably well the architecture of that era. (Ross Ventures Ltd. earned an award from the Heritage Trust Association for this project.)



*Radio One Ltd. Boardroom*

CIHI and CKHJ-FM are located on the third floor, east wing of the building. The floor plan utilizes almost every square inch of space, yet provides a pleasant working environment. Important considerations were:

- (1) new studios and talk booths were to be large enough (not 'sardine cans') but with no wasted space;
- (2) minimal changes in existing sprinkler systems, wiring and plumbing;
- (3) visual proximity of talk booths assignable to other studios;
- (4) proximity of studios and talk booths to central rack control area;
- (5) all broadcast functions to revolve around a central area.

These and a hundred other requirements were taken into consideration before deciding on the design.

All studios, talk booths, newsroom edit positions, and the rack room are interconnected with 4-inch and 6-inch PVC pipe firmly secured to the ceiling underneath. This exercise, which took a day to complete, has saved hours of work—not to mention the advantages of neat wiring routing. (Somehow, no matter how well-planned the facility, or how many extra pairs of wires left behind the console, you always have to run one more to the studio that can't be accessed without a jack hammer or jig saw.)

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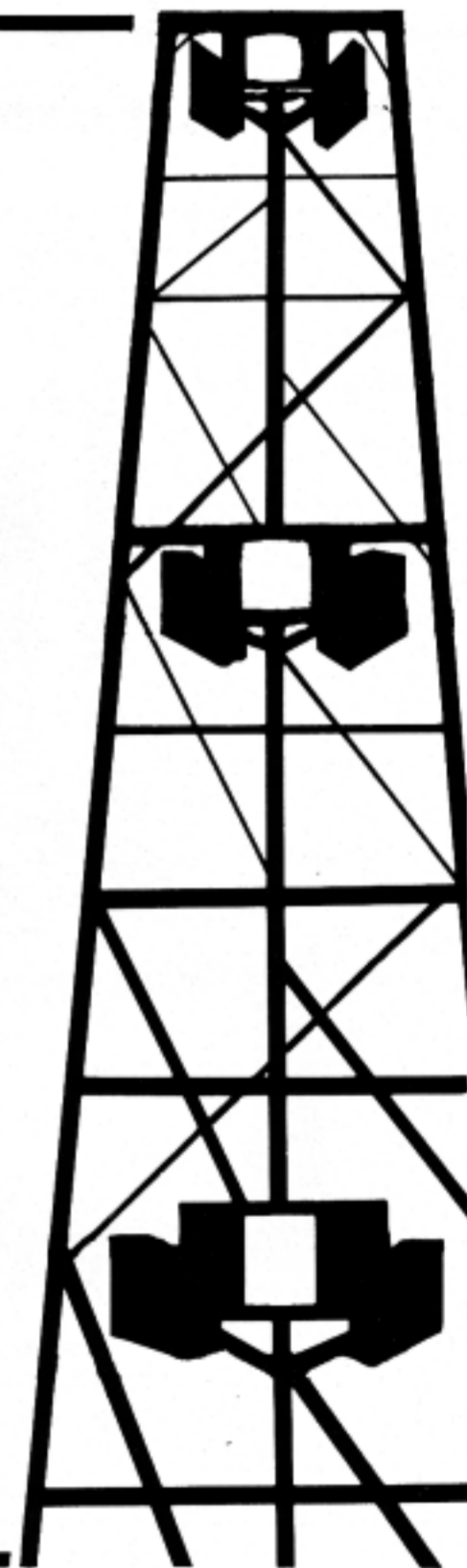
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MARCH/APRIL 1984



# Fredericton Heritage Building

by Dick Cleveland

Our next consideration was sound-proofing and isolation of studio islands.

The original floor in the building consisted of 2x8s, laminated on their edge, supported by 12x12 wooden beams. The reason for such a sturdy floor, I suppose, was the heavy machinery once housed here. This floor caused some concern, as air conditioning units and heat pumps are fastened to the ceiling underneath. When turned on, vibration was conducted up through the flooring into the studios. To overcome this problem, a sub-floor was built, consisting of 2x6s with a layer of rubber both above and below to provide isolation.

Incidentally, the walls of the studios are actually two walls, with a sound blanket woven between them, covered on both outside braces with two layers of 5/8" gyproc. All floors are covered with an antistatic carpet and rooms are humidity-controlled as there have been past problems with phono pre-amps being blown by static charges. The windows in the studios are triple glazed, also rubber mounted, with the center pane at 90° to the sill and the two outside panes angled out at the top. Our doors and frames are of a special type manufactured by Ambico Ottawa.



Newsroom

## Newsroom Re-Designed

Our newsroom came under the 'axe' as well, and everything was removed from the area and a new design set in place. With the addition of more news people for the FM station, the space had to be utilized more efficiently, while retaining some privacy for those working in an area that is pretty hectic at the slowest of times. Our final design became three semi-isolated work stations, each equipped with typewriter, ITC RP cart deck, Technics RS M263 cassette deck, Crown SX800 reel to

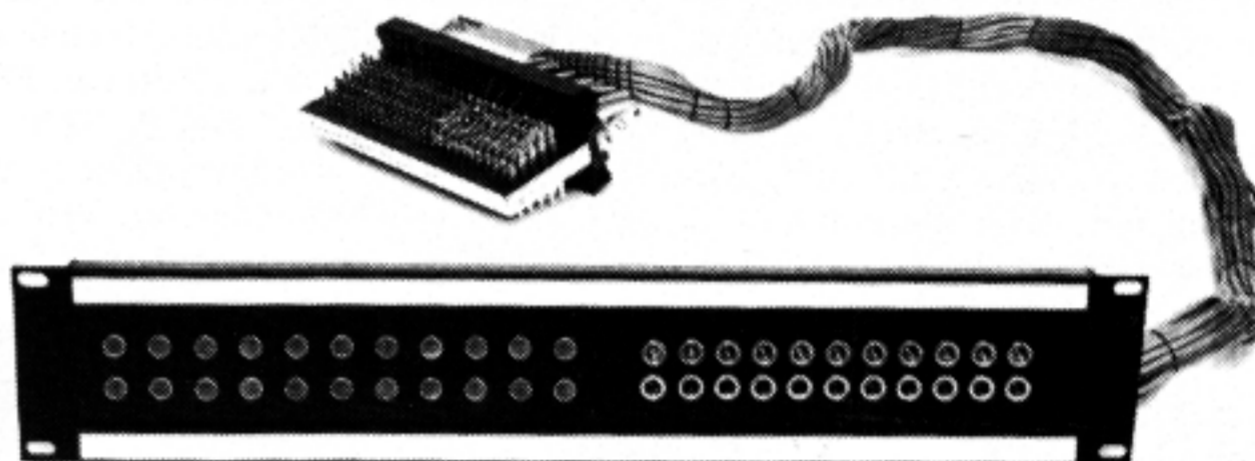
reels (from our previous studios), and consoles (two Microtrac and one LPB, inherited from another small studio). Also centralized across from the work stations are the teletypes, BN voice recorder (Revox A77), scanner, AM-FM monitor receiver, monitor cassette deck and VHF radio, all wall and desk-mounted together. All the functions in this area were also

routed to each work station and could be remote controlled from each individual station.

The decisions on consoles, how many and how to load them took several weeks to finalize. I had looked at various makes and types, but ultimately we couldn't ignore the excellent relationship shared with McCurdy Radio over the past six

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- Each panel will hold 22 circuits of either audio or video jacks.



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*Master Control Room*



*Production Control Room*

years—including several occasions when McCurdy people raced to the airport to get critical components to us. Jon Young came to Fredericton and after a couple of all-night work sessions, we came up with a complete custom package. It was decided to replace the AM consoles as well, and went entirely with the 8800 series consoles throughout, with the purchase of three 8816s and two 8808s.

**Master Control Rooms**

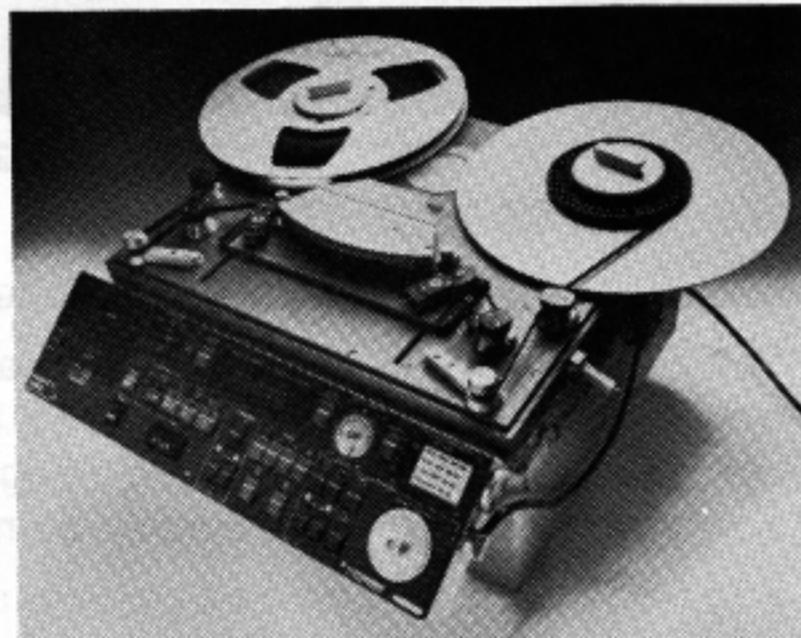
Our AM master control (MCR) consists of the McCurdy woodwork and pedestal package with 8816 console, Technics SB6 speakers, ITC 3C cart, 2 Revox PR99s, SP10 MKII turntables with S220 tone arms, RS-M263 Technics cassette deck, Heathkit weather computer, VHF radio and AKG C414EB microphone. The FM

MCR is identical both in layout and equipment. Cart storage is handled by Russ Lang rotating pedestals.

**Production Control Rooms**

The AM and FM production control rooms are equipped with 8808 consoles, McCurdy pedestals and woodwork, SP10 MKII turntables and S220 tone arms, RS M263

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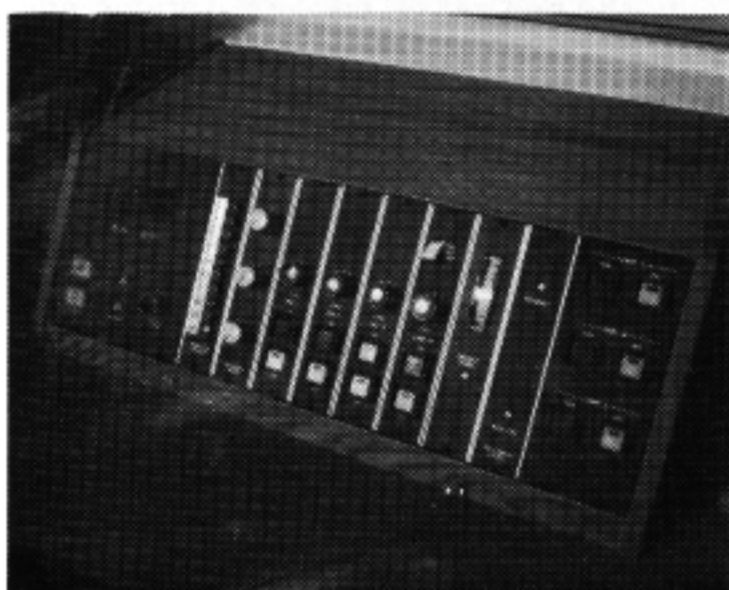
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Technics cassettes, SB6 Technics speakers, PR99 Revox reel to reels, and ITC Pr and P cart units (mono in AM, stereo in FM). Both of these studios are used for foreground and special production work, leaving the last studio to be described exclusively for commercial production.

The master AM-FM PCR is equipped with a McCurdy 8816 console, with pedestal and all oak woodwork. All stereo recording and playback machines are located on one side of the console, including one stereo RP ITC cart deck, one stereo play-only ITC cart deck, RS-M263 cassette deck and two B-67 MKII Studer reel-to-reels. On the other side are the SP10 MKII turntables with the SS3159C McCurdy turntable packages, one mono RP ITC cart deck, one mono play-only cart deck, and an ITC splice-finder/eraser.

The board is equipped with 12 input modules and two output modules (PGM1/Sum o/p & PGM2/Aux o/p) with PPM metering for PGM1, PGM2 and sum. Two 3-band EQ modules, 2 compressors with its own metering, varispeed controls for Studers with 5 button remote control are wired directly into board. We also installed a 12-station alternate action simul-start preselect, wired via master start/stop switch to selected machines, and a count-up timer to control on/off functions simultaneously.



Compact turret provides simplified controls in each of four talk booths.

### Rack Room

The central control area, or the rack room, as we call it, is located to the rear of the studio area. As mentioned, PVC ducts bring all studio and talk booth wiring to three 19" rack panels in this room.

### RACK #1

- McCurdy DA504 audio distribution for off-air feeds, PGM 1 and 2 o/ps from AM consoles, BN Voice, news console outputs, etc.
- Mosely TRC 15A remote control system sending via PCL 101 and return via telephone line.
- TFT753/755/AM preselectable modula-

tion monitor, which also provides our off-air feed, plus an alarm interface for modulation or carrier loss.

- Revox B77 logger machine using Ampex 706 logger tape (7200 ft. per reel); logs AM left side, FM right side.
- Audimax 4440 directly limits AM MCR pgm, 1 or 2 output to STL and Telco back-up program line.

### RACK #2

Houses all power supplies for every studio and talk booth, relay switches for talkback system, distribution amps for some consoles and phantom power supplies for

microphones.

### RACK #3

- Harris MXP-95 FM Audio CPU handles all the limiting and processing required for FM MCR.
- Two PCL505s with TDT-2 switches for auto transfer, in case of failure in 950 MHz STL link to FM site. The reason for the backup 505 was a \$2000/month line charge by NBTel for program lines. (It's interesting to note that when I requested NBTel to quote a monthly charge on the system we now have, they still wanted around \$2000 per month.)



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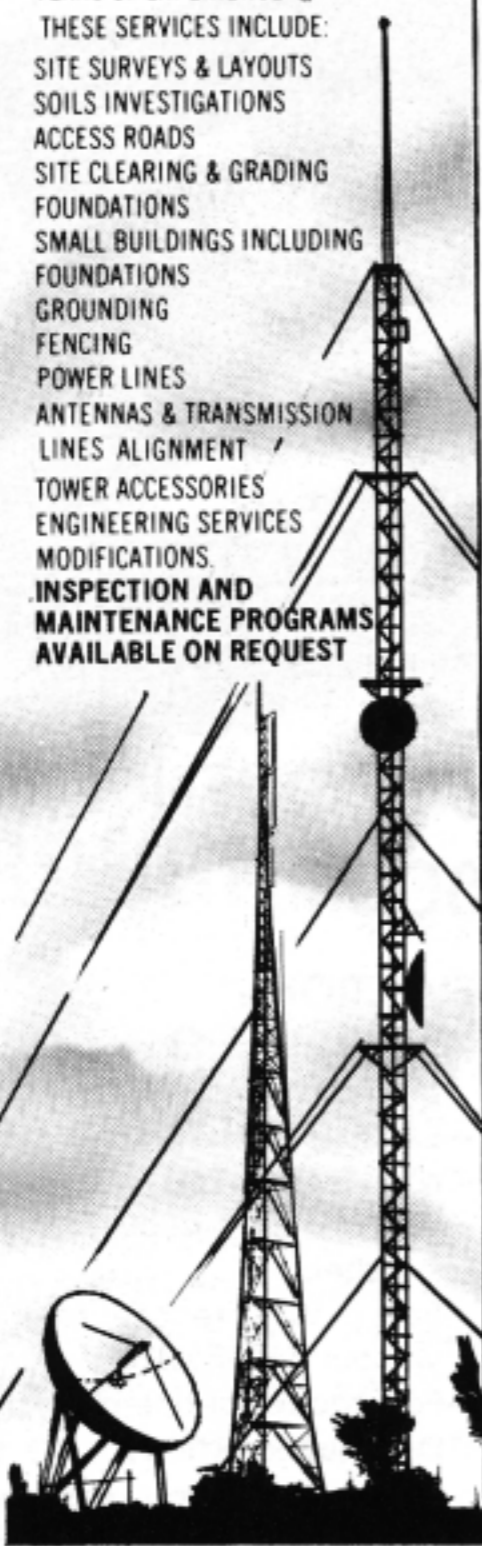
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## CIHI/CKHJ-FM

- DA507 handles all stereo feed distribution through out the various studios and talk booths.
  - Amcron FM-1 handles our FM off-air receiver needs.
  - Moseley TRC15AW looks after FM remote control functions, sending on the PCL505 and return via the SCMO channel.
- All the rack equipment is cooled by sealed Rotron rack fans.

### AM Transmitter Site

Our AM transmitter is located approximately 5 miles north of the city and is a direct line of site for the STL link. (As long as the saw mill next to the towers keep its saw dust pile down.) The site is located on a piece of interval land bordered by the Nashwaaksis stream, and during rainy periods and the spring break-up, the only access is by canoe. The site has held other surprises over the years—including a helpful farmer who decided one spring to plow the field he had sold to us. We had understood he was going to pasture the ground; he had other intentions, which led to an expensive and time-consuming repair of the radial system.

The AM station operates DA-N, 10,000 watts day and night. Our transmitters are CCA, with a 10 kw main unit and a 1 kw backup. Other associated gear includes a Nems-Clarke phase monitor, Moseley TRC15AW remote control, Moseley PCL 101 receiver, and audio processing by Mike Durrough's DAP. We also built a unit which automatically switches audio feeds into the 10 kw tx if either the PCL 101 or Telco lines fail. Also incorporated into this unit is an auto switcher from 10 kw to 1 kw tx in case of RF failure.

One of the biggest headaches at this site is AC power—to quote one N.B. Power official, "it's one of the worst power grids in the province."—line voltage here varies from 80 to 130 volts, with even greater sags and surges—that's if the power is on at all! Surge protection and a Kelk stedi-volt, and a generator capable of handling the 1 kw tx were installed, eliminating most outages. Power problems are 95% of the outages at our site.

### FM Transmitter Site

The FM site is also located north of Fredericton, 16 miles from the studios and 11 miles beyond the AM site. And yes, it's on the same AC power sources as the AM tx, which presents the age-old problem of trying to be in two places at once. One would think that the remote control system would handle this, but generally what happens is the voltage will drop considerably for a few minutes before going off all together, causing excessive current draw—which in turn fires off circuit

breakers everywhere! (Incidentally, does anyone have information on a type of panel breaker that can be reset remotely?)

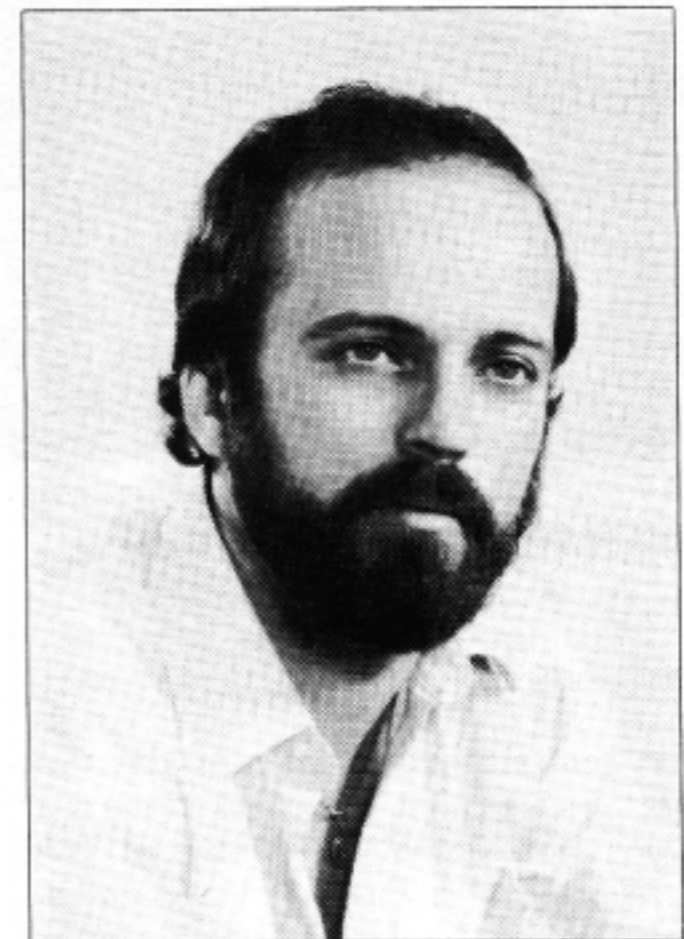
Equipment at the FM site consists of two Harris transmitters—a 20 kw main unit, with a 1 k back-up. These units, through a series of rigid inside transmission lines, connect through a Dielectric A-5000 coaxial switch to a 6-bay Dielectric antenna (DCVS series) and an Electro impulse dummy load. The two PCL505s linked by an auto switcher and fed by an Anixter-Mark dish, supply audio and remote control functions to the transmitters.

Other associated equipment includes an LEA surge protector, Kelk voltage regulator, and generator capable of handling the 1 kw transmitter.

The aperture of the antenna is approximately 1000 ft. above sea level, providing excellent coverage to over half the province of New Brunswick.

I could ramble on for hours about our operations, but better still, when you're in the area, drop in—I'd be pleased to show you around New Brunswick's newest radio stations.

Thanks to Jon Young of McCurdy, Bob Norton of Applied, Bill De Cormier and Sharon Dickenson of Dielectric, Mel Crosby of Pineway, Dwayne Weese of LeBlanc & Royle, Peter Cahn of P. Cahn and Associates, and all their colleagues who helped make our renovations and new construction such a great success.



*Richard Cleveland is director of engineering at CIHI/CKHJ-FM Fredericton. Special thanks to Dick for his perseverance in preparing this article, despite the ravages of the severe storms which hit New Brunswick during the past winter. BT welcomes similar articles on new installations at broadcast or production facilities throughout Canada.*

Circle #178 on Reader Service Card.

MARCH/APRIL 1984



Also retiring, **Phil Wharton**, after 14 years with George Kelk Ltd. Phil's immediate plans consist of catching up on many, many projects, letting the dust settle and then deciding future activities. Phil will continue with his hobby of collecting envelopes with radio/TV station logos, so if you'd like your station included in this unusual collection, send it to Phil at: Box 183, Waterford, Ont. N0E 1Y0. Phil says the fishing is especially good there and invites anyone passing by to drop in. I always picture these invitations resulting in several hundred people 'just dropping in'. Oh well, you might just be handed a fishing rod and told to catch your dinner. Not a bad idea! Phil also tells me **Gordon Elder** is building his own plane—and then plans to go fishing with Phil. All good wishes Phil, and keep us informed.

**John Visser** is wearing two hats these days—he's now on the engineering staff of Skeena Broadcasters (his first winter in Terrace, BC), and is still very active with J.V. Electronics. We wish you continued success in both undertakings, John.

**George Mandeville** of EG&G won the company tennis trophy. Congratulations, George. Not too many tennis trophies being won at this time of the year. By the way, could we change that challenge match to maybe being partners in mixed doubles—I'd rather have you on my side!

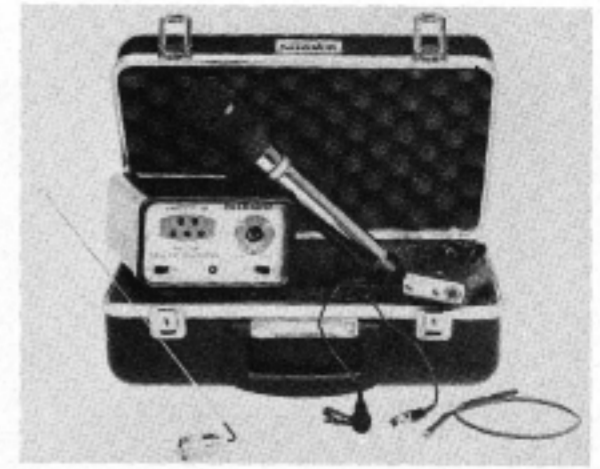
This April, **Roger Archambault** of Norbec Video moves to a new location at 2277 Guenett, Unit C6, St. Laurent, P.Q. Roger is very happy to welcome his new staff member, **Michel Jobin**, well-known in the Montreal area. All good wishes in your new home, Roger.

In our 'family' of advertisers, we are happy to welcome **Gary Hooper** and **Jim Profit** of HP Electronics. HP specialize in servicing electronic equipment and have a standing invitation to drop in to 34 Finch Ave. E., Willowdale, Ont. (416) 223-3662. We hear Jim makes very good coffee! Every success, Gary & Jim.

Congratulations to **Neil Evans** of PC Workshop and Avril on the birth of a beautiful daughter, Alexandra Elizabeth... I'm not going to tell you about **Joe Novak's** latest trip to Hawaii. Sadly, in the midst of this cold, cold winter Joe may have to make the supreme sacrifice and return to Hawaii. Come on, Joe, how do you always arrange these business trips in January?... Delta's AM Stereo system has been approved and needless to say they are all especially happy about same... **Steve Cook** of Arri/Nagra finds he's getting taller with age: 'my chest is further from my chin'. It's okay, Steve, we understand... We hope **David & Liz Codling** are enjoying their 'new arrival'...

**NAB:** Applied Electronics (organizers of the ever-popular annual *Canadian Suite*) are asked regularly by equipment suppliers how they can participate in the NAB Canadian Suite. It's all very easy: just contact Maureen White at Applied, 299 Evans Ave., Toronto, Ont. M9Z 1K1, who will give you all the information.

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• Arri/Nagra Inc.—**Andrzej Markiewicz** appointed western representative, at 1421 Burnaby St., Apt. 202, Vancouver, BC, V6E 1R6, (604) 689-8629.

• Baton Broadcasting—**G. Blair Nelson**, president of Russwood subsidiary (CFQC, CKLW), named a director of Baton.

• Broadcast News—additions to Toronto include **Kirk Dickson**, former nd at CHYM Kitchener, to the BN editorial staff, **Stephanie MacKendrick** to cable TV product manager, and **John Rea**, former nd at CJBK London, to marketing manager.

• CBC—**Donald MacPherson**, previously president of First Choice Pay-TV, returns to CBC as head of TV Sports; he had been vp/gm of the English network before joining Global TV in 1979. Regional directors for the CBC's new Saskatchewan region are **Bill White** (English services) and **Raymond Marcotte** (French services).

• CFCN Calgary—recent appointments include **Brian Bolli** to general sales

manager, **Kathy Iverson** to promotion manager, and **Mac Lindsay** to sales promotion director.

• CFGO Ottawa—**Paul Nuttall** to vp/gm.

• CKLW/CKJY-FM Windsor, ON—recent appointments include **Tom Bell** to vp, news; **Robert Dent** to vp, finance; **Pat Holiday** to vp, programming; and **Gary Mercer** to senior vp.

• CKNW New Westminster—**John Plul** promoted to vp, marketing.

• Caelum Technologies—**Kenneth A. Hamid** named account exec for Alberta and B.C., based in new Edmonton office.

• First Choice—**Fred Klinkhammer** to president and c.e.o. He was formerly president of Cablenet, operator of cable systems in Canada and U.S.A.

• Harris Corp.—**John F. Delissio** to vp, systems and service operation, Broadcast

• Mid-Canada Communications—**Alan Orme**, previously operations manager at

North Bay, named promotion director; **Bill Callender**, from CFCF Montreal, named program director.

• Paco Electronics Ltd.—**Perry Cohen** appointed marketing manager for the newly-established satellite communications division, based in Toronto.

• RCA Broadcast Systems Div.—**Joseph C. Volpe** to vp/gm, succeeding **Joseph B. Howe**, named vp, chief engineer.

• Sharp Electronics—**Peter Gloeggler**, previously a development engineer with CBS, Hitachi, and Philips, appointed product manager, professional products (US).

• Times Fiber Communications Inc.—**Colin J. O'Brien** named executive vp, assistant to chairman; he was previously with General Instrument, serving as gm of Jerrold in Canada and president of the entire Jerrold Division.

• White Radio Ltd.—**William Short** to technical services manager, **William Raycraft** from Ontario to national sales manager, communications group.

## The Basics

by Bruce Dingwall

RETURNS IN THE MAY/JUNE ISSUE

Readers are requested to note the following correction regarding the formulas which appeared in the Jan/feb BASICS on the subject of Pads:

### CORRECTION

O-H O-H...? An error occurred in the formulas for THE O PAD and THE H PAD in The Basics, Jan/feb. Wherever  $K^2$  appears, read  $K \cdot K$ . The correct formulas are:

THE O PAD

$$R1 = ((SQR(Z1 \cdot Z0)/4) \cdot ((K \cdot K - 1)/K))$$

$$R2 = Z1 \cdot ((K \cdot K - 1)/(K \cdot K - (2 \cdot S \cdot K) + 1))$$

$$R3 = Z0 \cdot ((K \cdot K - 1)/(K \cdot K - (K/S) + 1))$$

where  $S = SQR(Z1/Z0)$

THE H PAD

$$R1 = ((Z1/2) \cdot ((K \cdot K + 1)/(K \cdot K - 1)))$$

$$- (SQR(Z1 \cdot Z0) \cdot (K/(K \cdot K - 1)))$$

$$R2 = ((Z0/2) \cdot ((K \cdot K + 1)/(K \cdot K - 1)))$$

$$- (SQR(Z1 \cdot Z0) \cdot (K/(K \cdot K - 1)))$$

$$R3 = ((2 \cdot SQR(Z1 \cdot Z0)) \cdot (K/(K \cdot K - 1)))$$

Also, in Figures 3 and 4 (RELAYS), the diodes (CR) were shown backwards (inverted).

### LEITCH VIDEO APPOINTMENT



**Robert A. Lehtonen**

Leitch Video Limited has announced the appointment of Robert A. Lehtonen as president of the company. Lehtonen succeeds James A. Leitch, who has retired but will remain Chairman of the Board. As president, Lehtonen is responsible for all operations of Leitch Video Limited and its U.S. subsidiary.

### APPLIED ELECTRONICS LTD.



**Patricia Duchesnay**

As part of a continuing program to increase support and service to Broadcast Product users, Mike Stechly, President, is pleased to announce the appointment of Patricia Duchesnay as Manager, Customer Services. In this new capacity, which became effective February 13th, 1984, Pat will assure the prompt and reliable flow of products, services and information to all Broadcast Customers of Applied Electronics Limited. It is hoped that her many friends and business associates will welcome Ms. Duchesnay to her new responsibilities.



## DECISIONS

### AM Radio

#### WINDSOR STATIONS RECEIVE SPECIAL HEARING

The CRTC will hold a hearing later this year to review problems faced by Windsor, Ontario broadcasters. Stations in that area say their market is special because of problems posed by competition from Detroit broadcasters. The commission has had difficulty in getting Windsor broadcasters to meet Canadian content requirements.

#### Approvals include:

- CISL Richmond, BC—licence renewed to Mar. 31/84; application for use of 650 kHz to be decided on completion of negotiations with the FCC.
- CFTR Toronto, ON—to change the day-time radiation pattern.
- CKTL Plessisville, CJLP Disraéli, PQ—locally-originated programs discontinued at Disraéli, decreased at Plessisville.
- CBTD Kispiox, BC—change from 1450 to 990 kHz to avoid nighttime interference with 1410 CFUN Vancouver.
- CBXP Tahsis, BC—change from 1350 to 1240 kHz to avoid interference with 1350 CKEG Nanaimo.
- LW Broadcasting Ltd.—new station at Wainwright, AB, 1 kw day/250 w night on 1230 kHz; programming 25% locally produced, 75% ex-CHLW St. Paul.
- Columbia Kootenay Broadcasting Co. Ltd.—new station at Sparwood, BC, 1 kw/250 w night, on 1400 kHz, to rebroadcast CFEK Fernie.
- CJSA Ste-Agathe-des-Monts, CKSJ St-Jovite, PQ—share transfer (50%) from André Senez and Michel Lasonde to 124318 Canada Ltée. (Yvon Senecal).
- CHRS Longueuil, PQ—ownership transfer from Radio Rive-Sud Ltée to Michel Mathieu Broadcasting Inc.
- CJBQ Belleville, ON, CJLS Yarmouth, NS—to disaffiliate from CBC.
- NW Radio Ltd.—34 station network for broadcast of Vancouver Canuck NHL games approved through 1987-88 season.

#### Application received:

- CKCY Sault Ste. Marie, ON—to extend deadline from Apr. 26/83 to Apr. 30/84 for implementing change from 920 to 540 kHz, 15 kw day/2.5 kw night.

### FM Radio

#### Approvals include:

- Telemedia Communications Ltée—for low-power FM at Sherbrooke, PQ, frequency change from 96.1 to 94.5 MHz to protect new community station on 95.5.
- Cariboo Broadcasters Ltd.—frequency change for low-power FMs at 100 Mile House (100.5 to 95.9 MHz) and Williams Lake, BC (103.9 to

98.5 MHz).


- CFRQ-FM Dartmouth, NS—to decrease power from 100 to 50 kw; original plan to share CBC FM antenna no longer feasible, as CKO-FM is implementing previously approved authority to do so.
- CJET, CKUE-FM Smith Falls, ON—ownership transferred to CHEZ-FM (Ottawa) Ltd.; CKUE-FM to increase power from 47.3 to 100 kw, with change of transmitter site.
- Native-language stations (0.6 w) approved at Whitehorse and Haines Junction, YK.

#### Applications received:

- CFBB-FM Norris Point, NF (Humber Valley Broadcasting) to extend construction deadline from Aug. 19/82 to Aug. 19/84.
- CBAF-24-FM Sydney, NS—to decrease power from 100 kw to 61.7 kw.
- CBI-FM Sydney, NS—to decrease power from 100 kw to 61.7 kw, with frequency change from 105.9 to 105.1 MHz.
- CKHJ-FM Fredericton, NB—for use of SCMO sub-carrier to transmit telemetry data from tx to studio for unattended operation.

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## HEARINGS

The following hearings are scheduled:

April 10—Hull  
 April 30—Hull  
 May 14—Halifax  
 May 15—Toronto  
 May 17—St. John's, NF  
 June 4—Regina  
 June 7—Victoria  
 June 19—Hull

## Television

### PROGRAM DEFINITION DATE MOVED BACK

Since the commission has not yet completed its consultation with industry representatives, the proposed implementation date for the new definition of a Canadian program has been moved back from Jan. 3 to Apr. 1.

### Approvals include:

- Canwest Broadcasting Ltd., Global Communications Ltd.—transfer of controlling interest, by share redemption in Canwest, from I. Asper and G. Schwartz, to I. Asper.

- CBNAT-TV-7 Carmanville, NF—to increase from 135 w to 2 kw, and to relocate antenna site.
- Access Alberta—new station in Calgary 1.8 kw on ch. 13.
- TVA Inc.—CHAU-TV Carleton, PQ, and its rebroadcasters added to network.
- Stewart (BC) Community Club—10 w rebroadcaster of CBC northern service.

## Cable

### Approvals include:

- Sudbury Cable Services-Timmins-Northshore (ON)—to carry interactive health, education and consumer information service on an experimental basis to Dec. 31/84.
- Dalhousie (NS) Cable TV Ltd.—to combine French and English community programming on one channel.
- Burrin Peninsula Cablevision Ltd. (NF)—to transfer 50% of shares from Avalon Cablevision to the six other shareholders.

### Short-term renewals:

- George Edward Young, Chapleau, ON—licensee to submit affidavit every six months stating it is no longer distributing unauthorized services.
- Banff (AB) Community Antenna Ltd.—licensee to cease distribution of unauthorized signals.

### Applications called:

- Quebec City areas not yet licensed, deadline March 19.
- Cancom: for numerous communities where licences previously granted have not been implemented.

### LPTV licences approved:

- Stewart (BC) Community Club—4 txs.
- Fort Norman (NWT) Community Radio Society—1 tx.
- Earl Ellis, Nass Camp, BC—2 txs.

### Application heard:

- Canasat Ltd.—on Feb. 14 in Vancouver for an extension of the time limit for construction of LPTV facilities in 14 BC communities.

### LPTV licences revoked:

- Community Television Ltd. (NF)—4 locations.
- Int'l STV Corp. (Rainy River, ON, area)—3 txs.
- RB Barnard, Lions Head-Tobermory, ON, area—4 txs.
- Dryden (ON) Community TV Ltd.—2 txs.

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