AM STEREO UPDATE

Editor's note: The CHUM Report, edited by Duff Roman and published by CHUM Limited, recently reviewed the prospects of AM Stereo (AMS). Here is a summary of that report.

CURRENT STATUS OF AMS

- The Federal Communications Commission is expected to approve an AM stereo system for the United States later this year.
- AM broadcasters see stereo as their salvation, in the face of stiff competition from FM. Trial broadcasts have produced unexpectedly high quality with AM stereo, which may offer superior car reception in many markets over FM, plagued by multipath distortion.
- Many AM stations are already converting studios, transmitters and libraries to stereo; estimated cost—at least \$25,000.
 Stations may try to become the AMS station in their market, emphasizing higher quality music. FMs may respond with more news and public affairs. In large, competitive markets, AM stations will

have little choice but to go with stereo.

 Most listeners today are totally unaware of AM stereo, and manufacturers may wait until other proposed changes in the AM band (expansion above 1600 kHz, 9 kHz spacing) have been resolved before producing redesigned receivers.

Against this background, The CHUM Report discussed AM stereo with the engineering representatives of three major contemporary music radio organizations:

- Ed Buterbaugh, vice president and director of engineering, CKLW Windsor;
- H. Burrell Hadden, chief engineer of CHUM-AM and CHUM-FM Toronto;
- John Sarafin, manager of radio frequency allocations and licensing, WABC New York.

STEREO QUALITY: AM vs. FM

Buterbaugh: "AM stereo will have certain benefits that FM stereo does not have—long distance transmissions and lack of multipath distortion. As far as frequency response and distortion are concerned, the limitations will be in receiver design. That's the weak point in AM now. Most AM transmitters now are putting out at least 10,000 cycles to 15,000 cycles; most AM receivers tend to roll off around 4,000 cycles. It's hoped that radio manufacturers will improve the quality of their receivers and they have given every indication that they intend to do that. Any weak spot in an AM transmission system now, I would say, would be the antenna system. CKLW has just incorporated a whole new directional antenna feeder system and we're now transmitting flat up to 15,000 cycles."

Hadden: "Limitation in AM is more the receiver than the transmitter. At the present time, AM receivers have very poor frequency response—receivers in the 1930's and '40's were better! Manufacturers could make better receivers so that quality comparable to FM could be heard in daylight. Night reception would need a special switch position to reduce fidelity to cope with possible interference. Even if new AM stereo receivers are of better quality,

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there will be millions of AM receivers of poor quality still being used for many years.

"In spite of all the hype, it seems unlikely that the sound quality will be as good as FM stereo. The FM system will always have superior frequency response and lower distortion. However, car radio reception may be better because of the lack of multipath reception problems that degrade FM in a moving vehicle."

Sarafin: "No one has been making any claims for AM stereo quality. You've got to understand that the FM system was authorized as a full bandwidth, high quality service. You have, of course, the problem of ambient noise, whether it's man-made or natural, (and) FM is more insensitive to it. AM broadcasting should exist wherever there is AM coverage now.

"Theory has it that AM stereo won't suffer as much in the multipath as FM. I've always been told that most of our audience is drive time, and if AM stereo turns out to be superior for popular music, this is great. And the fact that AM stereo can go over the horizon means that a driver can stay tuned for greater distance, whereas if he drove and listened to FM, he'd have to change channels that much more often."

PROPOSED SYSTEMS

Hadden: "The various AM stereo systems proposed all have problems—they can all introduce very bad distortion in some circumstances. Nonetheless, some of the systems can work very well under ideal conditions. Tests at present being made should point up how serious the theoretical difficulties really are in practice."

Buterbaugh: "The Independent Side Band System or Kahn system is totally different from the other systems. The other systems involve either a type of phase modulation or frequency modulation, whereas the Kahn system actually separates the upper and lower side bands."

Sarafin: "Basically, with the Independent Side Band System, you can consider the 'left' information to be carried on the lower side, and the 'right' information on the upper side band."

WABC TESTING PROGRAM

The FCC has given WABC permission to conduct AM stereo tests, and the first took place in the early morning hours of Monday, March 12, with a skywave test planned for April 2. The approved test

period runs until May 15.

Sarafin stated the four basic concerns of WABC's test program:

- that there will be no reduction in the present aural service area;
- (2) that stereo coverage will be comparable to mono coverage;
- (3) that the system be fully compatible
- with AM receivers currently in use:
- (4) that the introduction of the AM stereo service using the Independent Side Band System will enable the public to immediately enjoy the benefits of stereo without additional expense, while awaiting the introduction of new high quality AM stereo receivers.



NRBA

ARMSTRONG AWARDS

The annual Armstrong Awards for excellence and originality in radio broadcasting have been expanded to include AM, as well as FM, stations. The awards, which honor the inventor of FM, will now have nine categories, with Technical Achievement among three new categories. The presentations will take place at the October 7-10 Washington convention of NRBA, which has joined the Armstrong Foundation in co-sponsoring and administering the awards program.

AM STEREO TESTS

The FCC continues to authorize AM stereo tests, while extending deadlines for comments. The tests, each authorized for only 90 days, have recently been conducted on the following stations and systems:

WSM Nashville—Magnavox
WGAR Cleveland—Magnavox
WJR Detroit—Belar
WFIL Philadelphia—Kahn/Hazeltine
WABC New York—Kahn/Hazeltine
WGN Chicago—Harris & Motorola
WTAQ La Grange, Ill.—Motorola

FCC STUDIES SPACING

Two studies are being undertaken by the FCC on reduced channed spacing. One is on FM and will investigate possible effects on receivers, stereo, compatibility with proposed quad systems, coverage and interference. The other, on AM, will identify the best assignment plan if 9 kHz spacing were adopted, and the costs to licensees.

UPGRADING FOR 10 w FMs

Most 10-watt educational Class D FM stations in the United States are being required to increase power to 100-watts. Failing that, they must switch to a commercial channel—where they may be subject to interference from existing stations, but must not cause interference.

The FCC recently waived its rules to accept two applications for filing by Class D stations seeking a power increase to more than 100 watts. The two proposals involve prohibited interference from as yet unoccupied Canadian channels.

9 kHz SPACING

NRBA has invited various groups to join in an all-industry study of 9 kHz spacing for AM. Participants would include the Daytime Broadcasters Association (DBA), Electronic Industries Assoc. (EIA), FCC, NAB, and other interested parties. Meanwhile, a nightime radio bill was introduced into the U.S. Congress advocating 9 kHz spacing to enable 2,300 daytime stations to operate full-time. Its sponsor, representative Paul Findley, argues that an alternative proposal to restrict 11 clear channel signals to a 750-mile radius, permitting 125 new stations, is "grossly inadequate".

Other news from NRBA:

- As of May 1, the FCC's Office of Chief Engineer became the office of Science & Technology (OST). With the retirement of Chief Engineer Raymond W. Spence, his successor, Stephen J. Lukasik, assumes the post of—would you believe—FCC Chief Scientist.
- According to a study commissioned by Television/Radio Age, revenues of FM stations in the U.S. increased by 257% from 1972-77, while AM climbed 61.7%.
- Another study, this one by Advertising Age, asked 1000 consumers which medium

had too much advertising. Results: television 60%, radio 6%, magazines 4%, newspapers 1%.

- Unlicensed broadcaster Dick Dorwart, who set up his KDOR on 830 kHz in Los Angeles, has "voluntarily" ceased operation. He says he's going to apply for a licence.
- At the end of February, over 9,600 broadcast facilities were in operation in the U.S. The breakdown:

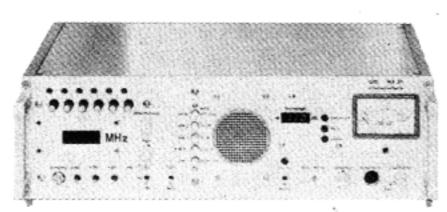
AM Radio	4,549
FM Radio	3,109
FM Educations	992
Total Radio	8,650
Television	993
Total	9,643

 And finally, this is how KPIG, a new FM station in Honolulu announced its arrival:



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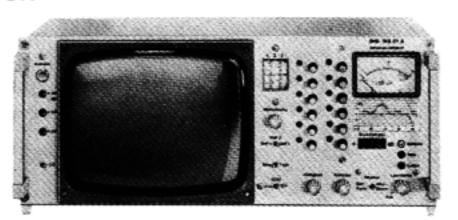


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THE PHIL STONE REPORT

MULTILINGUAL TELEVISION— WILL IT BE "MOLTO BENE"?

Look to us.

That's the slogan CFMT-TV (Canada's First Multilingual Television) has adopted for when it goes on the air, possibly in mid-September of this year.

And there will be a lot of people looking to the station, over and above the expected audience. The CRTC, the CAB, other ethnic media, and perhaps, in particular, Johnny (CHIN) Lombardi and Leon (Caravan) Kossar. Messrs. Lombardi and Kossar were the opposition to Dan Iannuzzi in applying for the third language video outlet.

The six-foot, brown-eyed, 45-year-old Iannuzzi has always been a visionary. He was only 20 when he founded Corriere Canadese to service the rapidly growing Italian community in Toronto. It grew from a weekly newspaper to a tri-weekly to a daily, and until five years ago Iannuzzi was its editor and publisher.



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He was born in Montreal, February 24, 1934, a third generation Canadian of Italian origin. Dan attended the College of Graphic Arts and Sir George Williams College in the Quebec metropolis and served in the Militia with the Canadian Grenadier Guards (thus that straight-backed stance). A man with tremendous work capacities and leadership qualities, he has been widely associated with many groups. He co-founded and is a past president of the Ontario Ethnic Press Association; past proxy of the World Italian Press Association (Rome); past director of CJRT-FM Radio; he served as director on the board of the York-Finch Hospital, and of the Council, School of Continuing Studies, University of Toronto, in addition to service on many other community associations.

However, media has always been his first love, his priority. He could be given stars on his door for achievements as publisher and TV producer—along with a strong background in broadcasting, journalism, politics and human affairs, with marketing and promotion expertise.

Starting in multilingual radio in the '60s with CKLB Oshawa and CKTB St. Catharines, Iannuzzi has had broad experience in third language broadcasting. He extended this history in 1972 when he became executive producer of Multilingual Television, which co-ordinated its production activities with Toronto's CITY-TV. Dan oversees over 30 hours of programming in 14 languages each week. Presumably he will narrow down his titles to two when CFMT comes on the air: chairman of the board of Daisons Communications, publishers of Corriere Canadese, and president of Toronto's newest video channel. These, of course, above the other titles he will likely undertake in the community, for he is steeped in the belief of service.

When Iannuzzi opens his own TV station he will be putting on the air the world's first multilingual station. Dan feels that the CRTC's approval of his application mirrors the Federal Government's multicultural policy and, he has said, "will help those ethnic groups, now with their own station offering them the opportunity to be seen and heard, to work closer to the mainstream".

The estimated cost to get CFMT-TV on the air is \$3,500,000. As we write, it would appear the station will be on UHF channel 47, broadcasting from the CN Tower at medium power. By Iannuzzi's account, it will reach 1,500,000 viewers of ethno-cultural background, providing a regional service to a coverage area ranging south to the Niagara peninsula, west to Kitchener, north to Barrie, and east to Oshawa. "We will initially be broadcasting Monday to Friday from 4 p.m. to midnight, plus 30 hours on weekends, in 24 languages. Later we will extend the broadcasting day and add more languages."

The programming schedule will offer 60 per cent of its air hours in third languages other than French or English. About seven per cent will be French and the balance (33 per cent) English. The latter will concentrate mainly on adult education, news, and community and public affairs programming designed to inform newcomers to Canada.

An example of the kind of news-public affairs programming that CFMT will provide is one that will have as co-hosts two former major politicians whose ridings were largely ethnic and who became renowned for their work with third language groups. (Names will be released in June.)

CFMT-TV chose the former Loblaw office building at the southeast corner of Bathurst and Lakeshore Boulevard in Toronto (parallel to where old Maple Leaf Stadium used to stand and not far from the Tip Top Tailors Building) for its studios. It is now Harbourfront property "and the way Harbourfront is becoming more and more involved with multiculturism," says Iannuzzi, "it made a lot of sense for us to be there. We will have the opportunity to work with Harbourfront, showcase their events, and have audience participation. We will be able to amply cover events using both our mobile unit and ENG equipment". The offices of the Francophone Association are also located nearby in Harbourfront.

Dan is very proud of the plans CFMT has for French programming. "It is not tokenism in any way, and is not really related whatsoever to what the CBC is doing in either radio or television since most of that is piped in from Montreal and is really Quebec-French programming. We—on the other hand—are out to serve those people in Toronto whose mother tongue is French, but do not necessarily come from Quebec. For example, let's say they are from Viet Nam or Morrocco, Belgium, Africa and France itself. Thus, we have a large community of over 100,000. We have been programming a half-hour for them on CITY-TV for the past year and it has been a tremendous success."

Iannuzzi says the location of Bathurst and Lakeshore was chosen because Bathurst through its full length (it runs from north of Number 7 Highway to Lake Ontario), is considered the "multicultural corridor" of Toronto. "Bathurst Street is sort of the street that divides Toronto, not necessarily Yonge Street. We are in the most strategic place possible for our purposes."

For the first year or two, Dan says, the station will not have a rep house. "Until we get the show on the road, per se, we doubt if there is any particular rep house that understands the market. We'll have to do it ourselves. Most of our advertising at first will likely be local and we have the sales staff already on hand who have the background in this area."

Equipment for CFMT will not likely come from one manufacturer. Dan told us



CFMT's Dan Iannuzzi

they will "likely have a variety. Going into a new set-up affords the opportunity to take advantage of the most recent technology, particularly the one-inch C-format. We're going to address ourselves around that. No one manufacturer's line totally fits that arrangement."

For the start-up Iannuzzi will serve as the station's president, general manager and executive producer. He will be there to see that his dream station fulfills the confidence the CRTC expressed when the license was granted . . . "Multilingual Television (Toronto) Limited has demonstrated that its proposed multilingual television station, designed primarily to provide a specific programming service to each of the various linguistic groups, is the one best suited to meet the distinct needs of these diverse cultural groups and of the broadcasting system. Further, the Commission is of the view that a potential market exists to support the type of service proposed by this applicant providing that the market is vigorously developed."

As someone who has known Iannuzzi over the years, I'd say Dan's middle name would be well suited were it Vigor. He has that, along with imagination, verve, drive, and—as I recall someone saying to me at a dinner where Dan was one of the guest speakers—"That guy, sure has class". He sure has.

YOU'D BETTER BELIEVE IT!

Have you got religion?

I mean, have you got religious programming on your station?

When I first started in radio back in 1949, most stations—like the one I worked for, CHUM—had a variety of evangelistic, fundamentalist religious broadcasting on Sunday mornings. We didn't know how big an audience it had, but we did know that we generally got paid in advance—and that could meet a lot of bills. It was also reasonable to assume that the people putting together those 30-minute transcriptions were most successful in persuading their listeners to send donations "so that we can continue to bring you The Word."

Television, particularly in the States, but certainly to some degree in Canada, has broadened the scope of religious programming even further. Much further.

Look at the proceeds for some of the best-known religious TV programmers for the last audited year, 1976:

Church of God	\$65,000,000
Christian Broadcasting	
Network	58,000,000
Billy Graham Evangelistic	
Association	38,000,000
Thomas Road Baptist Church	32,500,000
Praise the Lord (PTL) Club	25,000,000

Associations not available (!)
In the U.S., almost 25 TV stations
broadcast nothing but religion. The Christian Broadcasting Network programs are
currently carried by 130 commercial sta-

Oral Roberts Evangelistic

tions and 4000 cable systems on this continent. And how would you like a BBM cum of 62,000,000? That's the reported number of people who watch Oral Roberts around the world.

No doubt many stations carry the programs, radio or TV, for the same reasons that a lot did in the early days—to bring in guaranteed funds and to fill unsold time.

One writer observed that religious TV "is so strong that it now acts as teacher, lawgiver, social arbiter, and entertainer all at once, as the church liturgy once did."

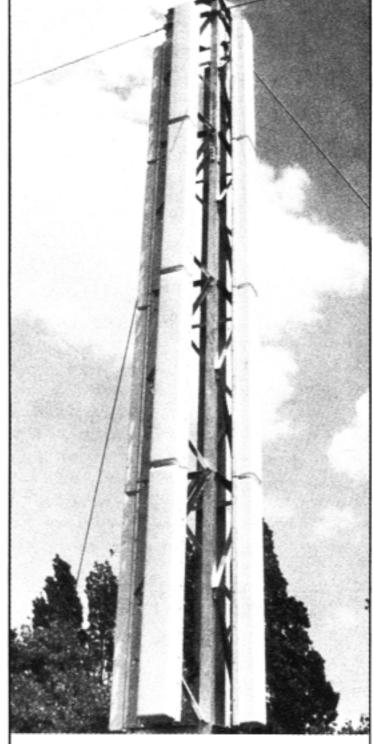
Churches not involved in what has been called "prime-time religion" or "the electronic church", however, are said to be unhappy with the slick, show-biz sell of television techniques. They fear it is taking people out of their pews, and money out of their coffers.

The evolution is there for the Oral Roberts of the world. (After all, the first book set in movable type was the Bible.) Radio was an immediate hit with evangelists; today, with its color, light, its visual action and excitement, television has become the medium with the message.

It's all big business, very big business for both the producers and the stations.

Phil Stone, well-known writer and broadcaster, is director of the Radio Broadcasting course at Humber College, Rexdale, Ontario. The Phil Stone Report is a regular feature of BROADCAST EQUIPMENT TODAY.





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BROADCAST EQUIPMENT TODAY 35

CCBA ENGINEERING NEWSLETTER—by Warren Parker

The CCBA Executive has been hard at work, so let me bring you up to date on the latest events.

1980 CCBA IN MONTREAL

You know the Royal York Hotel is the scene of the '79 Convention. But did you know the Mount Royal Hotel will host the 1980 CCBA Convention? Yes, October 18, 19 and 20, 1980, will be convention time in Montreal.

ENGINEER OF THE YEAR

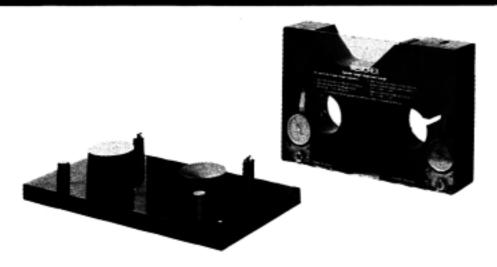
This year, CCBA Engineering plans to honor one of its own. A committee to elect the Engineer of the Year was established at the annual meeting. Ron Turnpenny of Rogers Radio, Dale Duffield of CFPL-TV and Austin Reeve of CJOH-TV make up the committee and already they have feelers out for candidates or nominees for this award. It will be nice to have an engineer honoured at the annual awards banquet.

SAFETY COMMITTEE

If you go back to last year's May/June issue of BET, editor Doug Loney included in his *Current* column a bit on safety. He mentioned that I was working with other engineers to encourage a greater awareness of safety. Many individuals and companies alike have responded since that time. Valuable information has been assembled and the support offered by companies indicates that there is definite concern within the broadcasting family.

To bring greater awareness of safety to broadcast technical people, the executive of CCBA has decided to set up a Safety Committee. Personally, I think this is a very important first step and al-

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though I want to thank and congratulate everyone who has taken time to volunteer information and help, I would like to now issue a plea to all concerned to not only contribute safety tips, but your ideas on safety standards for the broadcast industry and way of most effectively getting information to all broadcast technical people.

Perhaps most important of all are volunteers to help carry out the workload. So I'm counting on hearing from you to help in whatever way you can.

1979 CONVENTION

By the time you read this, the spring convention season will have passed—with NAB, CCTA, CAB, and WABE.

Paul Hunter is hard at work recruiting Technical Papers for the upcoming CCBA (Oct. 28-30 at the Royal York Hotel, Toronto). As we found last year, some of the best come from our members and Paul already has a couple of superb entries. Why not let us all know what you have been up to—just get in touch with Paul Hunter, CCBA Papers Chairman, c/o CHIN Radio, 637 College Street, Toronto, Ontario M6G 1B6. Your convention can be made better by your contribution.

The Ladies Day program (Monday, October 29) is also shaping up well with a day of activities and an evening of entertainment planned for the ladies. Don't forget, and be prepared to register early this year.

You are probably wondering why so much information from the CCBA and none on what's happening in our fair area of the country. Well, it appears that the late snows of winter have either chased most engineers to Florida or other warmer climates, or they are completely isolated and hibernating.

The only news is from the deep south here, where CHML and CKQC Hamilton both have their new 50 kw AM plants working.



New 50 kw Contintal transmitter at CKOC Hamilton.

Also, let's extend a warm welcome to Rob Meuser who has joined the engineering crew at CKOC.

The only other news is that Paul Firminger has some new toys a new Cetec Automatic System, which he is busy installing.

By the way, did you hear about the engineer from Ottawa who went down to Toronto to buy a new truck for a TV mobile? . . . Well, he went to MacDonalds and bought a "Big Mac". (Now that's typical from Ottawa these days isn't it?)

Keep your news coming!

Warren Parker, 610/CKTB, P.O. Box 610, St. Catharines, Ont. L2R 6X7

TELECOM '79

Some interesting data from TELECOM '79, the 3rd World Telecommunications Exhibition, being held in Geneva September 20-26: Some 600 exhibitors are expected at the show, which is held every four years under the auspices of the International Telecommunication Union (ITU). Previous shows attracted 250 exhibitors and 70,000 visitors in 1971; 350 exhibitors and 102,000 visitors in 1975. As examples of the growth of telecommunications, ITU reports that the number of radio and TV receivers in the world has tripled in the past 10 years, while the number of telephones has mushroomed from 41 million in 1945 to 400 million in 1977, and should exceed 1,000 million by the year 2000. This year's TELECOM coincides with the September 24 opening of the 10-week-long World Administrative Radio Conference (WARC), to be attended by over 1,000 delegates from 140 countries.

IBC '80 TO BRIGHTON

The channel resort town of Brighton, England, will be the site of the bienniel International Broadcasting Convention, to be held September 20-24, 1980. The location is 53 miles south of London and only 20 minutes from Gatwick airport. IBC will take place in Brighton's Metropole Conference & Exhibition Centre, a modern complex in the heart of the town's famed seven-mile sea front. The Centre includes an extensive exhibit area, multiple lecture theatres, and the 273-room Metropole Hotel, all under one roof, with a good selection of additional hotel space nearby. The 1978 IBC, held at Wembly, attracted a record 4,000 delegates from 61 countries, and 104 exhibitors.

- Newsradio has tied up the Canadian radio broadcast rights for the World Series, National and American league playoffs and annual All-Star game. The agreement between CBS Radio and Newsradio, which is affiliated with over 40 stations across Canada, covers the next three baseball seasons.
- Crossroads Christian Communications, Inc., Toronto, has purchased two new RCA TR-600 quad VTRs. Crossroads now uses four TR-600s to produce its daily 90minute program 100 Huntley Street and four weekly programs.
- In the U.S., the Christian Broadcasting Network has also purchased RCA equipment for its new production centre in Virginia Beach. The \$1.5 million order includes eight TK-47 and seven TK-760 cameras, plus a TK-28 telecine chain.
- UREI has appointed E. S. Gould Marketing Co. Ltd. in St. Laurent (Montreal), Quebec, to distribute its products in Canada.

- CKOY Ottawa has leased space in a downtown office tower for its new studios.
 Doug Trowell reports the facilities will be similar to those of its sister-station CKEY in Toronto.
- Radio Free Europe and Radio Liberty have ordered 11 shortwave transmitters from Continental Electronics, Dallas. The contract for the 250 kw units is valued at over \$6.2 million.
- Also on the international scene, Studer has just delivered equipment for two multitrack recording studios in Peking, China.

- Jim Snelling, formerly of CITY-TV Toronto, has been appointed director of engineering for the city's new multilingual station, CFMT-TV.
- AVVEX—the Audio/Visual and Video Exposition & Conference—makes its debut at the Skyline Hotel, Toronto, Oct. 31-Nov. 1. The new show is geared to business and industry; manager is Jim McGuigan, and Reg Leckie is exhibits manager, both at (416) 252-7791.
- R.F. Communications of Markham, Ont., has been appointed Canadian distributor for the Comtech Data Corporation's line of earth receiving stations.



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directions

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

CROSS-OWNERSHIP ISSUE TO BE AIRED MAY 15

The May 15 CRTC hearing in Hull, Quebec, will examine the question of crossownership and control of broadcasting.

Since the CRTC was established in 1968, regulation of ownership has been considered an essential part of its role; however no specific limitations have ever been set on the size or number of broadcast operations owned by any one person or company.

The federal government requires (1) that 80% of any broadcast operation be Canadian owned, and (2) that provinces may not own stations, except through an independent corporation to provide educational broadcasting. In the past, it has been a general rule of the Commission that television stations and cable TV systems should not be under the same ownership, and that broadcasting licenses should not be held by newspapers.

However, various changes in the past 10 years are cited by the CRTC to warrent a re-evaluation of the cross-ownership question:

 extension of second TV network service in both English & French;

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SCHEDULE OF PUBLIC HEARINGS

May 15: HULL, Quebec—L'Auberge de la Chaudière, 2 Montcalm
May 29: QUEBEC, Quebec—L'Auberge des Gouverneurs, Ste-Foy
MAY 29: SYDNEY, Nova Scotia—Holiday Inn, 480 Kings Road
JUNE 5: CAMPBELLTON, New Brunswick—Wandlyn Motor Hotel
MONTREAL, Quebec—Hôtel Méridien, Complexe Desjardins
JUNE 11: ST. JOHN'S, Newfoundland—Hotel Newfoundland, Cavendish

Square

JUNE 19: HULL, Quebec—L'Auberge de la Chaudière, 2 Montcalm
JUNE 19: VANCOUVER, B.C.—Sheraton Landmark, 1400 Robson St.

(Note: details are subject to change and anyone planning to attend hearings should verify time and date of same.)

- licensing of additional independent stations in major cities;
- licensing of numerous new AM and FM radio stations;
- extension of cable TV service to all of the most populated areas of Canada (75% of all homes have access to cable and 50% subscribe), providing access to a wide variety of programming;
- increasing complexity and sophistication in ownership;
- limited availability of new licences, resulting in more acquisitions or mergers of existing stations;
- development of new technologies which expand possibilities for new services, particularly via cable TV.

A deadline of April 30 was set for comments on the circumstances and the extent of cross-ownership to be permitted, and the criteria to be applied, (1) for television and cable television, and (2) for broadcasting and daily newspapers.

CRTC BUDGET CUT

A budget of \$16,914,000 has been set for the CRTC for the fiscal year 1979-80, a reduction of \$686,000 from last year. The cut involves a staff reduction of 30, to 462 man-years; however, people doing business with the CRTC should experience little change in their day-to-day contacts with the Commission.

DECISIONS

NEW AMs APPROVED FOR YELLOWKNIFE, PT. HARDY

Charles A. Dent, executive assistant to the mayor of Yellowknife, N.W.T., is the licensee for that city's first private commercial radio station. It will operate on 1240 kHz with a power of 1,000 watts day and night. The CRTC ruled that advertising on the local cable TV system, owned by MacKenzie Media Ltd., must cease when the new station goes on the air.

Also approved is a station at Port Hardy, B.C., on Vancouver Island. Licensed to CFCP Radio Ltd., which operates CFCP Courtenay, CFWB Campbell River and CHQB Powell River, it will operate on 1240 kHz with a power of 1,000 watts day/250 watts night.

Other AM decisions:

- A CBC rebroadcaster (ex-CBU Vancouver) has been approved at Wells/Barkerville, B.C., 40 watts on 540 kHz.
- A 5-watt French-language station on 1240 kHz has been licensed to the CBC, as agent for parks Canada, at Waterton Lakes Park, Alberta.
- The licences of three CBC rebroadcasters in British Columbia have been revoked; CBXB Burns Lake, CBUR Houston and CBRS Smithers have all been replaced by FM. Closure of the Yukon town of Clinton Creek has resulted in revocation of CBC rebroadcasters, CBDY and CBDCT (TV).
- In renewing the licences of CFRW and CKY Winnipeg for a full five-year term, the CRTC called on the stations to further develop local musical talent. Their plans are to be reviewed by the Commission within the next year.
- Community access facilities have been approved for the CBC's CBWB Wabowden, Manitoba.
- Disaffilitation from the CBC has been approved for CJIB Vernon, B.C., now served by CBYV-FM; CJCS Stratford, Ont., now served by CBCL-FM London; and CFCY Charlottetown, P.E.I.

NEW FMs LICENSED; 2 FOR VANCOUVER

CKWX Radio Ltd. and Ralph Jacobson of Calgary (representing a company to be incorporated) are the successful applicants for FM stations in Vancouver. Both will introduce formats which are distinctively new to the Canadian radio scene.

CKWX proposed an all-jazz format which would include magazine-type features, in part supplied by Selkirk News Services. It committed \$30,000 annually for local musical talent and another \$100,000 for other non-staff production.

Ralph Jacobson will provide a "familyoriented" format. The CRTC stipulated that the Promise of Performance must be changed to decrease religious content, particularly of non-Canadian syndicated material. Religious programming must include significant Canadian production and offer a balanced service for the various beliefs represented in the community. The licence marks the first time that the CRTC has approved a station with religious orientation, a format used extensively in the United States. (Two Canadian stations, VOAR and VOWR, both in St. John's, are churchowned, but both are non-commercial and were established in the 1920s, long before Newfoundland's confederation with Canada.) Jacobson filed a similar FM application for Edmonton, however it was withdrawn prior to the hearing.

Four other applications for the Vancouver area were denied: CHUM Western Ltd. (CFUN); Jim Pattison Industries (CJOR); Ernest Mykyte (CJJC Langley); and the British Columbia Institute of Technology Radio Society, represented by F. L. Sanderson.

The Commission said it was "very impressed" with CHUM's commitment to contribute \$50,000 to develop Canadian talent, but was not persuaded that any of the three commercial proposals would add significantly to the diversity of programming already available.

While there was some merit in the BCIT propsal for a station which would provide training for radio students, the application did not fully realize the potential for an educational FM station.

CKWX and Jacobson were both required to find suitable frequencies. CKWX had filed for 52 kw on 93.7 MHz, with the transmitter located on Saltspring Island; as this could compromise the future use of 94.5, Vancouver's last Class C allotment, the CRTC suggested use of a Victoria allotment as an alternative. As for Jacobson's station, the CRTC said it was of the opinion that the programming and target audience do not justify the wide coverage afforded by a Class C channel. It suggested use of Class B channel 107.9, from a mainland location, rather than 100 kw on 93.7, on Saltspring Island, as proposed by the applicant.

WINNIPEG: Armadale Communications Ltd. (CKRC) has obtained approval for a 100 kw station on 103.1 MHz. CKWG-FM will be adult oriented with a balance of news and information, entertainment and good music. An application by CanWest Broadcasting Ltd. (CKND-TV) for 100 kw on 102.3 was denied; however the CRTC said that Winnipeg can support another station and it will call for further applications after assessing the impact of CKWG on the market.

QUEBEC CITY: A licence has been granted to Michel Noël, representing a company to be incorporated, for 70.8 kw on 93.3 MHz. The proposal was described as well-balanced and realistic, providing a varied and distinct quality service. Music will be 80% French vocals, with 45% Canadian content. News will have strong local emphasis and an hour weekly will be made available to community groups. While denying applications by three other applicants (Telemedia, Pierre Lavasseur and Leopold Fournier), the CRTC said Quebec City could support another FM station and that it would call for new applications in the near future.

TROIS-RIVIERES: The application by Legerbourg Inc. for a local station, 11 kw on 102.3, is approved. The CRTC cited impressive support and the experience of the principals in favoring this application over a competing bid by Paul Lacoursière.

chicoutimi: A realistic proposal together with the applicant's extensive experience and knowledge of the area were decisive factors in the granting of Chicoutimi's new FM outlet to Paul J. Audette, representing a company to be incorporated. It will operate with 28.6 kw on 96.7 MHz. A competing application by Liliane Marcil was denied, as was an application by Jacques Sébag for 1340 kHz AM at nearby Jonquière, Que.

PRINCE GEORGE: A "country" format station has been approved in principle for CKPG. However, rather than the proposed 3.5 kw on Class C (100 kw) channel 101.3 MHz, CKPG is to investigate use of a lower class of channel.

CBC APPROVALS:

- Brandon, Man.—A rebroadcaster of CBW-FM Winnipeg, 100 kw on 92.7.
- Brockville, Ont.—A rebroadcaster of the English FM network, 3 kw on 104.9.
- St. John's, Nfld.—A French rebroadcaster of CBAF Moncton, 45.6 kw on 105.9.
- Coutts-Milk River, Alta.—A rebroadcaster of CBR Calgary, 720 watts on 90.9.

Other FM approvals:

- Low power stations at Fort Chimo, Quebec (90.1 MHz, Mark T. Gordon, Licensee), and Lake Louise, Alta. (97.5 MHz, rebroadcaster of CJAY-FM Calgary).
- Canada All-News Radio (CKO), for use of 103.5 MHz at Halifax, N.S. The CBC has advised that it no longer requires this frequency—the one originally sought for CKO-FM 9.
- Lethbridge Broadcasting (CJOC), for purchase of CHEC-FM Lethbridge from Southern Alberta Broadcasting. CHEC-FM originally served as a studio-tx link for CHEC-AM, and CJOC has undertaken substantial improvements in programming and technical operations, including a change of frequency and power increase.

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· Gilder Broadcasting, (CHAS-FM), Sault Ste. Marie, Ont., for a power increase from 3.6 to 6.76 kw.

FM application withdrawn: CBC, for a change of frequency at CBMI-FM Baie-Comeau, Que.

FM applications denied:

- Selkirk, Manitoba—Denis L. Cloutier, 7 kw on 100.7. While satisfied that Selkirk can support a modest local station, the CRTC ruled that the applicant failed to establish that the necessary financial resources were available.
- · Twin Cities Radio, for rebroadcasters, of CFFM-FM Kamloops, B.C., at Vernon, Quesnel and Salmon Arm. No local service was proposed by the applicant.

FM Renewal Problems

Recent renewal decisions indicate that numerous FM stations continue to find themselves in difficulty with CRTC policies. While granting full five-year renewals, the CRTC is requiring many licensees to report on problem areas such as Canadian content, changes in Promise of Performance and size of playlist. A number of stations were told to retain classical music in their schedules.

SEPT-ILES OPEN FOR FM

The CRTC has received an application for a commercial FM station at Sept-Iles, Quebec, and has called for similar applications from other interested parties. April 19 was the deadline for letters of intent, with the deadline for applications to be set at a later

Television

The following rebroadcasters have been licensed to the CBC:

Location	Channel	Watts	Feed
Digby, N.S.	52	6,000	CHBT
Digby, N.S.	58	6,000	CBAFT
Bay St. Lawrence, N.S.	13	8.9	CBIT
Dingwall, N.S.	12	8.9	CBIT
Ingonish, N.S.	2	8.9	CBIT
Charlottetown, P.E.I.	31	91,000	CBAFT
Sault Ste. Marie, Ont.	26	1,200	CBLFT
Wawa, Ont.	16	7,000	CBLFT
Chapleau, Ont.	13	487	CBLFT
Dubreuilville, Ont.	7	10	CBLFT
Coutts-Milk River, Alta.	4	420	CBRT
Vanderhoof, B.C.	18	10	CKPG-TV

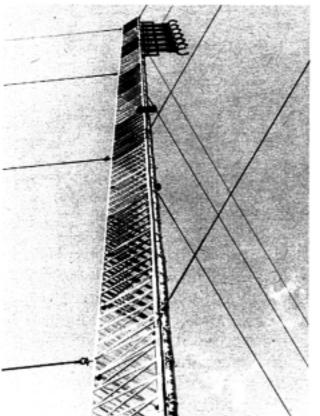
Also approved:

- A 10-watt rebroadcaster on channel 10 at Tungsten, N.W.T. (Flat River Recration Assoc.) to carry CBC service received via satellite.
- A power increase for CKX-TV-1 Foxwarren, Man., from 6,640 to 46,800 watts.



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NEW OWNERS FOR OUEBEC STATIONS

A newly-formed company, Pathonic Communications, has agreed to purchase CHLT-TV Sherbrooke and CHEM-TV Trois-Rivières from Télémedia. The major shareholders in Pathonic are Paul Vien, a brother-in-law of Philippe de Gaspé Beaubien, who heads Télémedia, and Télé-Métropole Inc., which owns CFTM-TV Montreal. Andre Mercier will continue as president. The CRTC recently renewed the licences of both stations, commending CHLT as "one of the most productive television stations in Quebec", and CHEM on the "excellent technical quality of its local programming", including dramas which have won "nation-wide acclaim".

Meanwhile, La Verendrye Management Corp. of La Sarre, Que., has agreed to purchase control of Télé-Capitale Ltée, owners of CFCM-TV and CKMI-TV Ouebec City and several other stations. After coming under heavy criticism from the CRTC recently, Télé-Capitale re-instated Jean Pouliot as an officer of the company. His application to purchase the CFCF group of stations in Montreal is now before the CRTC.

WESTERN TV STATIONS RENEWED

In renewing several Saskatchewan stations for full 5-year terms, the CRTC called for improved facilities in a number of locations:

- CBC consolidation in Regina is expected to be completed by 1981, but budget problems may delay this as much as 18 months. Coverage of Moose Jaw and other centres is to be maintained by use of mobile production facilities.
- · CKCK-TV Regina's new owner, Harvard Developments, was commended for improvements made during the past two years. The CRTC called for an increase in CKCK-TV's contribution to the CTV network.
- CKBI-TV Prince Albert is to establish a rebroadcaster at Tisdale, Sask.
- CFJB-TV Swift Current is to upgrade its rebroadcasters at Eastend and Val Marie.

On the west coast, CKVU-TV Vancouver was renewed for only 18 months and rapped for failing to meet Canadian content requirements and local production commitments, relying excessively on foreign programming and repeats of local shows, including sports. In its use of the news feed from Global TV, CKVU is to replace local Ontario news with items of interest to B.C. viewers.

In another recent decision, the CRTC renewed CBUVT Victoria for only one year and ordered it not to go to full power until it was producing at least seven hours locally. CBC budget cuts have resulted in construction of the Victoria studios being postponed indefinitely.

Cable Television

APPLICATIONS CALLED

The CRTC has received applications for cable TV systems in several communities and has called for further applications by interested parties. The locations are:

- Gagnon, Fermont and Schefferville, Quebec, and Labrador City and Wabush, Nfld.
- · Hampton, New Brunswick.
- Fort Erie, Ontario.
- · Elie, Manitoba.

The successful applicant at Elie will be expected to co-operate with DOC, MTS and CTCA, who have undertaken a field trial of fibre-optics to deliver cable services in the town.

SATELLITE SERVICE OK'd

A temporary licence was granted to the CBC to distribute proceedings from the House of Commons via satellite. The service—now pre-empted by the Canadian election campaign—is subject to the condition that any CRTC licensee may have access to it. Cable systems using the community channel for the service are permitted to carry only the Question Period.

Other cable decisions:

 Two Toronto-area systems have been denied permission to distribute the Christian Broadcast Network and foreign-language programming. The CRTC cities its policy that cable systems should not usurp the role of off-air TV stations, and suggests re-runs of multilingual CFMT-TV, once the station has commenced operations.

- Valley Cable Vision, licensee in four Manitoba communities, has been granted temporary relief from participating in ownership of the Tolstoi headend, along with permission to establish its own headend at Carman.
- CESM-TV Ltd., Thompson, Man., renewed for one year only; licensee is to negotiate with MTS immediately to reconstruct system and extend service.
- Prairie Co-Ax TV Ltd., Moose Jaw, Sask.—revised ownership approved.
 While no longer a shareholder, Cablecasting Limited will continue to provide advice and assistance.
- Cablevision Medicine Hat (Alta.)—new site for local headend approved; carriage of 6 U.S. FM stations via microwave denied.
- Cable service to Vauxhall, Alta., has been assigned to Taber Cable Television Ltd., instead of Brooks Community Television Ltd.

CABLE CHANNEL SURVEY

Copies of a 66-page report, "Cable Television—Survey of the Community Channel", are available from CRTC Information Services, (819) 997-0313. It estimates that in the first half of 1978, 20,000 individuals and 5,300 groups participated in programming on 274 cable systems.

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