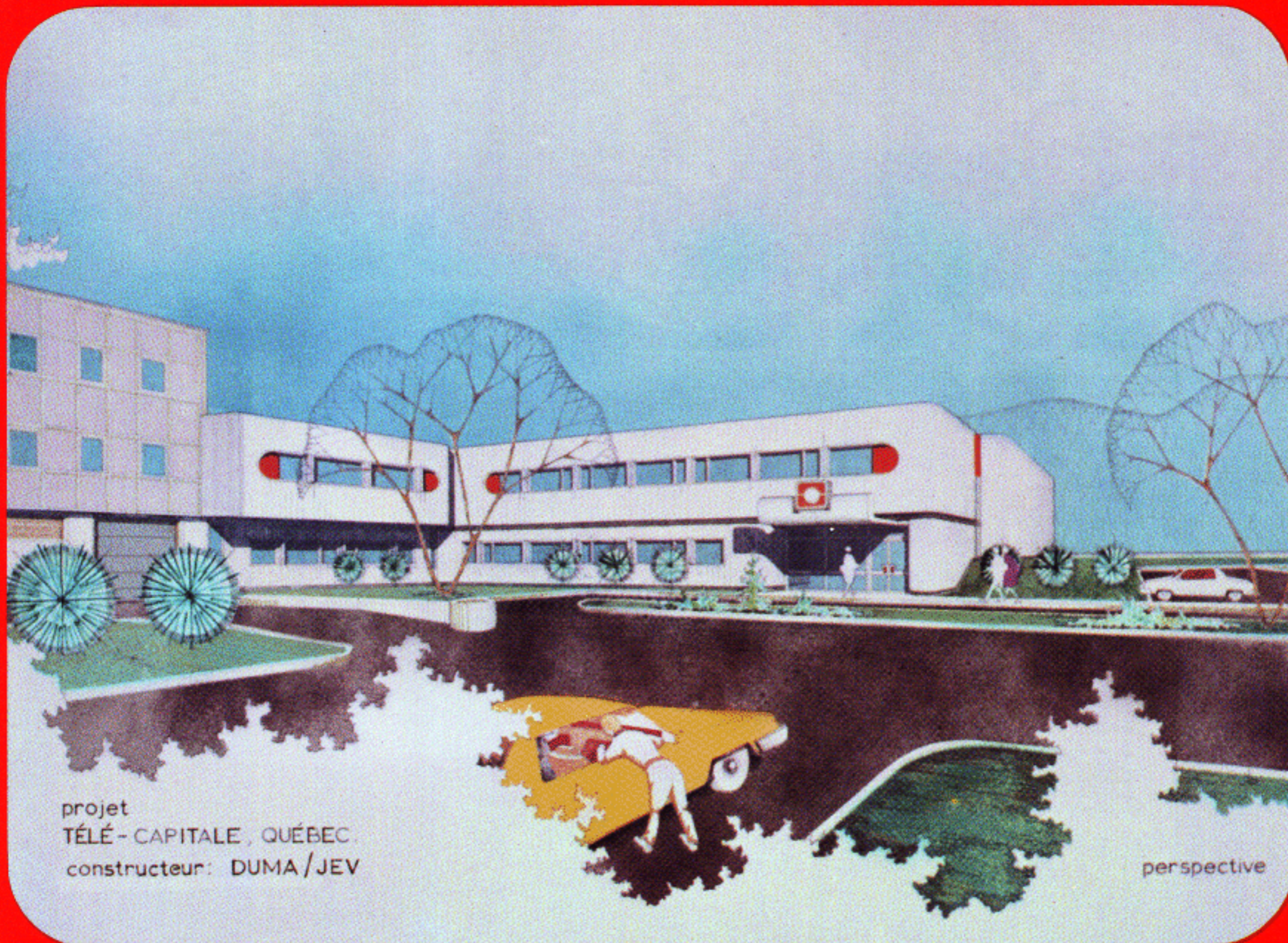


BROADCAST TECHNOLOGY

SEPTEMBER/OCTOBER 1982



NEW TV PRODUCTION CENTRE FOR QUEBEC CITY

ALSO IN THIS ISSUE:

**LIGHT SOURCE COMPARES 6K H.M.I. UNITS
TELECONFERENCING: SATELLITE VS. MICROWAVE
THE FIGHT TO CONTROL CABLE TV IN ALBERTA**



TECHNITOPICS by SANDY DAY

ONCE UPON A TIME ...

Almost twenty years ago, *Technitopics* was introduced over the summer doldrums in the TV Listings booklet included in the *Ottawa Citizen*. It was written for laymen and continued only long enough to fill space until the blurbs about the new fall shows could displace my literary efforts. Some of these old articles never reached publication. Since our program people use re-runs for their summer schedules, I make no apologies in trying the same. The following article, circa 1965, never published, was about a man who is now vice-president, engineering, of Bushnell Communications Limited, a past-president of the CCBA Engineering section, and well-known to many in the broadcasting industry.

Did you ever visit a television studio? If so, you were probably impressed by the complex array of equipment, the number of people scurrying around, the room after room where mysterious things were going on. In front of the cameras, a very few performers sat, apparently relaxed, quietly chatting about hair styles, the Sparks Street Malls, or the care of

begonias. For every face seen at home, ten additional persons at the studio were busily engaged in the complex business of producing programs.

It is hard to single out particular key persons on the TV team. During an actual studio show, the director becomes quarterback. The master control supervisor carries the program load throughout the day. Operators, writer, editors, traffic clerks, artists have all contributed their skills to the day's programs. As in any business, sales, accounting, and management have performed their vital functions. One of the many whose services are vital is the technician who keeps the equipment in shape. The man directly responsible for technical maintenance at CJOH, Austin Reeve, you shall meet today.

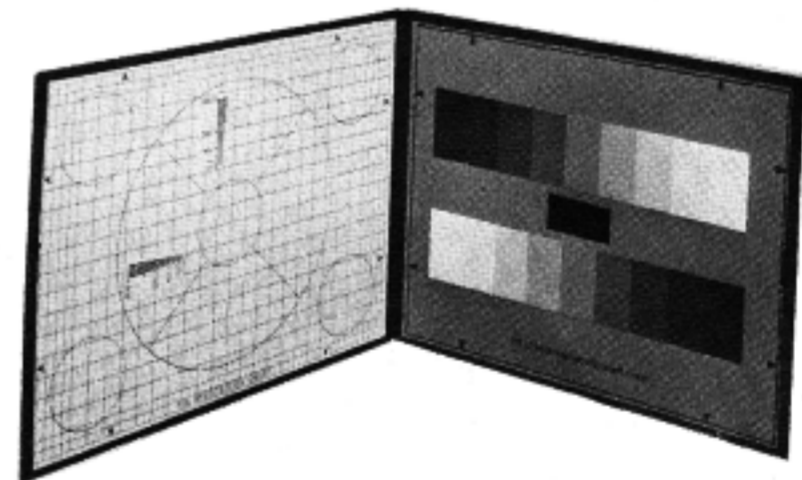
Austin Lonsdale Reeve, maintenance supervisor, a native of Newcastle-on-Tyne, emigrated to Canada some dozen years ago after service in the RAF and seven years employment with the BBC. When asked his age, he admitted: "I have reached the year when life begins, and so far haven't noticed the difference".

Those who know Austin don't expect him to ever notice the difference. I was fortunate to know him a dozen years ago when he was learning to speak "Canadian". At that time he seemed to speak with three billiard balls in his mouth. Today, some traces of North of England remain—he sounds as though

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only one billiard ball is present. Otherwise, he hasn't changed.

Austin leaves his pleasant west-end home—where war-bride Peggy ("don't call me Margaret") presides over him, the garden, son David and daughter Glennis—about 8:30 each morning. He likes to bring a few sandwiches and a thermos of tea. The first cup is consumed while he studies the technical reports left on his desk by the staff the night before. Reports of equipment problems interest him first, and his technicians are delegated to investigate and repair the faulty units.

His staff consists of six highly qualified electronic technicians. Each day, two of these work consecutive "duty" shifts, becoming the man on call if any problems occur during programming. The duty technicians perform various technical measurements after equipment is turned on, and make quality performance checks as the day progresses. The others are assigned various repair, construction, and measurement jobs, cleaning and checking equipment in use, or attending to the multitude of new projects that always seem to be waiting for attention.

By the time Austin has made the rounds, checking on progress of the various jobs, it is time for his second cup of tea at his desk. Fortunately, he prefers the tea almost cold, since a continuous parade of interruptions occurs. RINNG... "Reeve here... Yes, my son!... You say you want the studio "C" cameras in the parking lot?... An army tank is going to run over a rug!... Give me half-an-hour". RINNG... "Reeve here..."

And so it goes. Parts are ordered, commitments fulfilled, problems solved. In this business, no one really expects to accomplish the things he planned to do that day. "Since I started in this business, no two days have been exactly the same."

The end of the tea, the sandwiches, and the first of innumerable cups of coffee see him through a brief lunch hour in the studio canteen.

By the afternoon, maintenance problems have generally been solved, but operational ones take their place, meetings, discussions, phone calls, reports. Through all this, he keeps up his cheerful mien, his good natured banter. Equipped with a great sense of humor, he generally comes out of an encounter with both parties smiling. We usually know when he is close by, for most of the time he is whistling cheerfully, if aimlessly, or humming a few bars from a song.

About 5:30, he heads home for dinner, the family, and his garden. More often than not, he is back at the studio for some quiet work or for a meeting in the evening. By popular demand, he has been re-elected president of the CJOH Employees' Association. This, perhaps, best indicates the calibre of his endeavours, his popularity with the staff.

An avid bowler, he maintains a 200 average in the CJOH League, but is hardpressed to keep ahead of wife, Peggy, who gets extra practice with the ladies at Carlingwood. Together, they square dance with Ottawa's *Busy Bees*. Son David is a hard-head, self-dedicated to some day replace Bobby Simpson in the affections of *Rough Rider* fans.

Of Canada, Austin says, "A land of wonderful opportunity". The Reeves have been back to visit Britain, but definitely prefer living in Canada. Both became Canadian citizens as soon as they were able. Of retirement, he says, "I enjoy working, and will as long as possible, but I want to have the time for travel. I am going to go around the world". His greatest satisfaction, work well done; his pet hate, "inventory".

Such a man is Austin Reeve, one of those behind the scenes in television.

(Postscript 1982: The family has grown up, he has made his mark in the industry, and the last billiard ball has departed. Good luck, Austin!)

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

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11

CCBA ENGINEERING NEWSLETTER

by Bruce Dingwall

PROJECTS CONTINUE DESPITE 'RECESSION'

In order to determine just how much the economic downturn has affected the Engineering side of broadcasting, I called a number of stations to see if they were undertaking any new projects, any rebuilds, or just "keeping the place on the air". Many of the people I talked to said they were working on clearing up existing projects. However, there is some new work.

On the TV side, **Willie Christianson** of CKPR-TV in Thunder Bay told me they are putting into service two new Hitachi FP60 cameras, and a new routing switcher. However, their radio stations, CKPR and CJSB-FM, are just rolling along.

Two big projects are underway at two Southern Ontario stations. CFGM is presently preparing to take delivery of their new Continental 317C-2 50kW transmitter. When I asked **Ron Heffler** where he was going to put it in that rather cramped building, he outlined his plans to put a 14' by 16' extension on the building, and to house the emergency generator in there. Then, by moving out the old standby RCA 10kW, everything should fit (notice the operative engineering term, *should*).

I didn't realize what a busy lad Ron had been until this conversation. It turns out that in the last year he has installed a McCurdy SS8650 as the MCR console and rebuilt the SS4400 he took out, making it the Production B console. And, if that isn't enough, he did some research and development of his own and came up with a new input stage for older DAPs, and one for older UREI 527A graphic equalizers. If you are interested in improving the performance of either of these units, give Ron a call at CFGM Richmond Hill for details.

The other station with a major project is CKTB St. Catharines. **Warren Parker** informs me that he has taken delivery of an Audiotronics 200 series console, Otari MX5050B tape machines, Technics turntables and ITC 3-D cart reproducers, and is presently building a new AM master control room in a large studio, to be used while the old one is rebuilt. Warren, the gentleman who is heading up the Safety Committee for CCBAE, also tells me of some interesting ideas he has for that display this year.

In addition to all of this, Warren is backing up **Larry Garrington** who is minding the store at CHSC/CHRE-FM.

For those of you who may not have heard, **Roland Brundle**, chief soothsayer at those stations for so many years, has left the business and is now the proud proprietor of Copland's Marina on Anstruther Lake, near Apsley, Ontario (*That's north of Peterboro—ed.*). This represents an ambition of considerable years for Roland; we wish him success at it, but it sure leaves a big void in the ranks in Southern Ontario.

I had an interesting conversation with **Les Henwood** of Radio Rogers to determine what was happening at that group of stations. First, I am pleased to report that **Ron Turnpenny** is making steady progress after his surgery. I was also informed that **Tom Hoar** has moved up into the corporate offices of Rogers for long range engineering planning (actually, he's been there a while, but news travels slow in this city). The studio work for CFTR/CHFI-FM is now being handled by **Gary Galt**, assisted by **Paul**

Husiak and **Scott Miron**. Transmitters are under the care of **Rick Down**, assisted by **Ivan Pain**.

As for the rest of the Rogers chain, **Bob White** has taken over from **Ron Sibbett** in Sarnia at CKJD, with **Greg Stephany** sharing the responsibilities. They have completed installation of a new 80' tower behind the studio building for the microwave antennas for both stations. In Leamington, **Ted Cribbie** is holding his own at CHYR, pulling the loose ends together like so many of us.

John Cribbin at CKSL London filled in details of a problem **Bill Post** and he had with their RCA BTA10K. Seems like an oscillation somewhere in the low level stages got through the transmitter and took out the High Voltage chokes. After repairs were made, the problem was still there, but significantly reduced. Compensating adjustments were made to some voltage levels and the transmitter continued to function. Then, as

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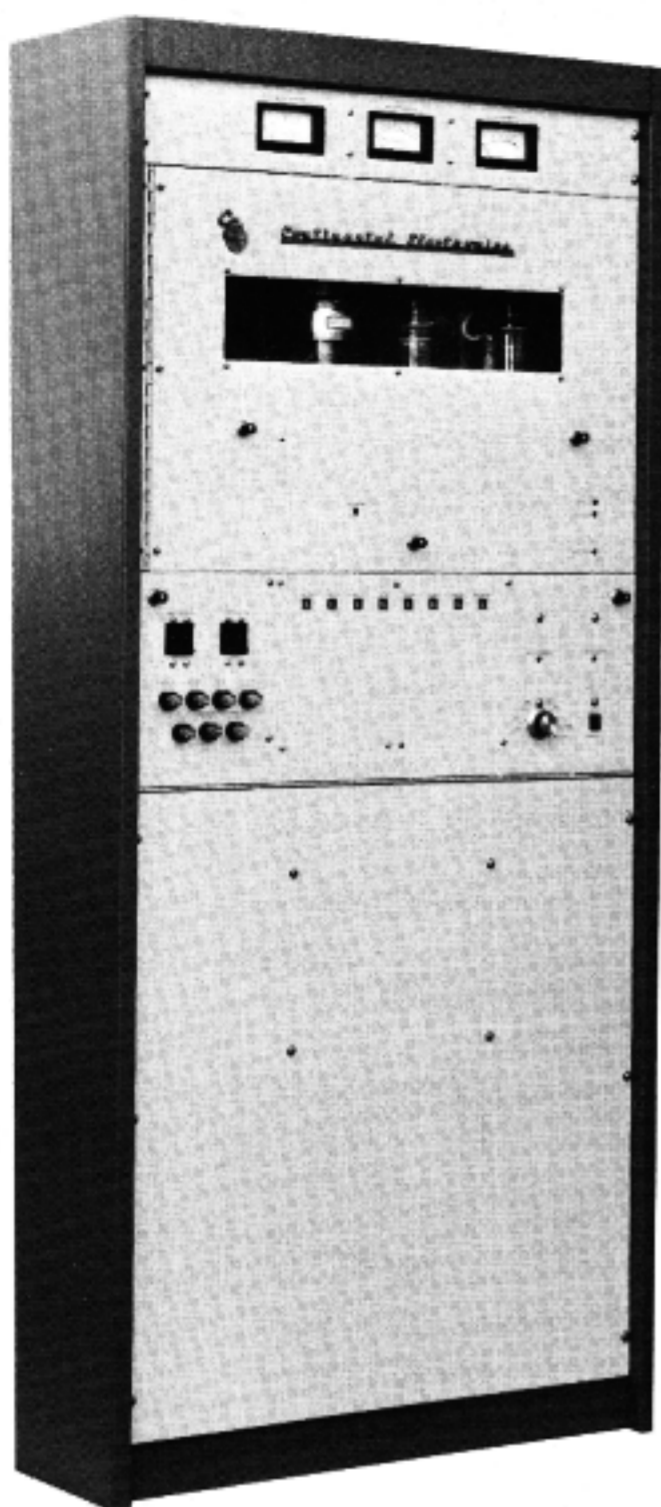


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mysteriously as it appeared, the oscillation disappeared! John puts that down to "gremlins", but I mention it here for two reasons: if anyone has had a similar problem and can offer advice for a permanent cure, please call Bill or John; on the other hand, if you have this transmitter, be aware of this potential problem.

That's one of the purposes of this column, to pass on advice to the rest of the Engineering community, and contributions in this respect are welcomed. Bill and John have also put together a promotional van for the station, and a new News cruiser.

CONVENTION IN TORONTO, NOV. 14-16

All of which brings me to the topics that **Jim Mercer** of CHCH-TV, Hamilton, has arranged for the CCBAE Technical Papers session at the Convention this November. They include:

- Telephone System Interconnects—**Wido Heck**, CFCF-TV
- AM Transmitter Plant Design—**Clive Eastwood**, CFRB
- AM Stereo—Continental Electronics, Dallas
- Closed Captions for the Hearing Impaired—**Joe Colson**, CTV
- CKCO's New Building—**Joe McIntyre**, CKCO-TV
- Progress Report on Digital Video and Audio—**Ken Davies**, SMPTE

Jim is still talking to other potential presenters about possible papers, and with the CAB Report from **Sandy Day**, the line-up looks very interesting.

A reminder about the Engineering Award nominations. The nomination form was published on page 27 of the May/June issue of *Broadcast Technology*. As well, **Jeff Guy** of CJBK has had a mailing done. Your response will ensure the on-going meaningfulness of this award. Give it some thought today, and send your nomination to Jeff.

The CCBAE Executive Committee hopes that everyone in the industry has received their Advance Registration kit and can make plans to attend. If you have the kit, you will notice that we have tried to keep the price increase for the three-day package to a minimum; you will also notice that there is a firm price for the accommodation at the Sheraton Centre. If you have not received the kit, call **Gerry Acton** at CAB in Ottawa.

Those of us on the committee are looking forward with great anticipation to a gathering that promises to be a landmark in our history. While there is no escaping the fact that financial times are tight, there will be so much to see and be part of at this year's convention, that we

Finally, a call to **Gene Hinz** at CFCO found that he was preparing for the installation of a new Mitel Super-Switch telephone system. Other stations in the Key Radio group are doing the same this year, CKEY in Toronto and CHYM in Kitchener. I asked Gene if his investigation had shown any problems with the audio from such a telephone system. (Some of the digital systems have produced poor audio because of the A-D and D-A conversions that are done in the systems.) He indicated that their evaluation has been positive, and feels there will be no degradation of the on-air telephone quality with the new system.

urge station management to do everything possible to see that at least one person from the Engineering department of your station is able to attend.

We know that better times are coming (despite what the doom and gloom people say), and when that expansion period comes, you may want to do some expanding of your own. There is no other place that Engineering staff from Central Canada are going to be able to assess the new equipment available, and talk to the manufacturers and manufacturer's representatives, than at this convention in the Fall. There is also the opportunity for discussion of common difficulties with peers which could result in positive action on a nagging problem. And when you evaluate the variety of the technical papers to be presented, it is a good *investment* to send your man to Toronto for two or all three days this Fall.

Members of the CCBAE Executive Committee (**Jeff Guy**, **Paul Firminger**, **Larry Cameron**, **Bill Onn** and **Jim Mercer**) are working closely and have had many meetings with their counterparts from CAB and CCBA to ensure that our convention will be the best possible. We sincerely hope to see you there.

If you have new, views, problems or solutions for this column, don't wait for me to call; call or write me at CFRB.

Bruce Dingwall, CET, is chief technologist, CFRB, and publicity chairman for the Central Canada Broadcasters Association Engineering section. He may be reached at CFRB, 2 St. Clair Ave. West, Toronto M4V 1L4, (416) 924-5711.

SEPTEMBER/OCTOBER 1982

CJNH RAISES FUNDS FOR LOCAL NEEDS

CJNH is located in the Village of Bancroft (population 2500), 65 miles north of Belleville. The station has a professional staff of four who originate six hours of local programming daily, supplemented by ten hours a week of community programming provided by a volunteer group, The North Hastings Community Radio Committee. The balance of the programming is provided via microwave link from CJBQ Belleville.

Located in the village and serving the North Hastings Area is Hastings Centennial Manor—a home for Senior Citizens. This facility urgently required an "ambulift" to assist in moving bed-ridden patients. Due to budget constraints, public funds were simply not available for this unit.

CJNH's Jim Clayton decided to help and devised a simple campaign to raise the necessary funds: \$3,000 was the target—and listeners simply phoned or brought in a request for a tune which was played if accompanied by a donation. In two weeks, CJNH's listeners donated \$4,259.38—a remarkable total in view of the fact that the village's major employer, Madawaska Mines, was to close at the end of June.

A local artist who made a cash donation decided he would do more and donated an original painting, challenging other local artists to do likewise. Nineteen paintings were donated and subsequently sold at an art auction.

As only \$3,000 was needed for the ambulift, the balance was presented to the Mayor's Womens Auxiliary who were raising money to supply a new van equipped with a lift for wheelchairs. CJNH's staff was delighted with the results and congratulated listeners for their keen interest in the community.



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CKO NET EXPANDS

Headquarters for CKO All-News Radio are now located at 30 Carlton Street (Mezzanine level), Toronto, Ont. M5B 2E9, telephone (416)591-1222. The new facilities include six studios and three control rooms. Other developments along the CKO network: the Vancouver transmitter is being relocated to Mount Seymour, (co-sited with CHAN-TV and CJAZ-FM); the first affiliate, CKRW Whitehorse, YT, has been added; and Halifax is ready to go on the air, pending arrangements to share the CBC tower. As part of the Cancom radio package, CKO is also being heard in a growing number of northern and remote communities across Canada.

CHUM TO BUY CJYQ

CHUM Limited has agreed to buy Radio CJYQ 930 Ltd. of St. John's, Nfld. (CJYQ St. John's, CKYQ Grand Bank), subject to CRTC approval. Colin Jamieson would continue as president.

NO SALE IN CORNWALL

Bankrupt CFIX Cornwall, Ont., is still in a "fix". The CRTC has rejected an application to purchase the French-language daytimer and its Hawkesbury rebroadcaster, CHPR—primarily for financial reasons.

NEW STATIONS

- CJCY Medicine Hat, Alta., signed on July 1 with an adult contemporary format, 10kw on 1390 kHz. Owned by five local residents, it is headed by Gordon Colledge, g.m., with Bruce Seely as news director and Brian Konrad as sports director.
- CFNO-FM Marathon, Ont., signed on July 17, 50 kw on 93.1 MHz. Owned by North of Superior Broadcasting, CFNO is managed by Spencer Bell.
- Consulting engineer Don Williamson, having regained the licence for CFMX-FM in Cobourg, Ont., expected to have it on the air by September. The CRTC refused to renew the licence a year ago, but ended up returning it to Williamson, over two other applicants (see CRTC).

TOWER OPPOSED

CING-FM Burlington, Ont., is appealing a decision which would block a new 450-foot tower at Mount Nemo, a few

miles north of the existing 250-ft. tower. The plan was accepted by the Halton Conservation Authority, which owns the site, but vetoed by the Niagara Escarpment Commission. Opposition also came from Halton Region and the Town of Burlington.

CFCF-TV WINS AWARD

Competing against stations in North America's top 25 markets, CFCF-TV Montreal has won a Broadcast Promotion Association "Gold Medallion" award for a 30-second radio jingle. Using the theme, "Taking You to the Stars", the jingle was heard on local stations CFCF/CFQR-FM (English), CKAC and CKVL (French).

CJOB LOSES JETS

The *Jets*, it seems, have taken off. Winnipeg's CJOB broadcast the hockey games since the *Jets* were formed as part of the World Hockey Association 10 years ago. Now, CJOB says, the contract has gone to CKY, with Moffat Communications acquiring a minority interest in the NHL team.

DARLENE IS CKAY DJ

At 16 years of age, Darlene Beckstead has begun a new career as a disc jockey on CKAY Duncan, B.C. Besides playing records, she'll give high school news and work other community features into her weekly 15-minute show. Blind since birth, Darlene started entertaining when she was 10, on cable TV in Brockville, Ont. Her new radio show was organized by Brian Holder, manager of CKAY, and Tom Stanko of the Cowichan School District.

ANNIVERSARIES

- CFGM Richmond Hill marked its 25th with a mammoth country music festival.
- CKFM Toronto, a pioneer in FM stereo broadcasting, was 21 on July 12.
- CITY—TV Toronto marked its 10th anniversary recently.
- CKGO Hope, B.C., celebrated its 10th anniversary with a new on-air studio and remodeled offices.

NEW TV PRODUCTION CENTRE FOR QUEBEC CITY

Construction of a new \$4 million production centre has begun in Quebec City by Tele-Capital Enterprises Ltd. (CFCM-TV/CKMI-TV division). The 22,000 square-foot building is to be completed by the end of 1982; technical equipment will then be installed, with the centre becoming fully operational in June, 1983.

The facility is designed to meet the growing production requirements of advertisers and agencies, independent producers and other clients, as well as of CFCM/CKMI. When completed, it is expected to be the largest and most advanced facility of its kind east of Montreal, and will include:

- Production studio:** 85' x 55' x 21' with the newest and most efficient features in lighting and communications systems, a cyclorama 16' high x 100' wide, extending 30' on each side, a rigid 'limbo' and three of the most advanced color cameras, on pneumatic trolleys, with lens size ranging from 15 to 1 wide angle.

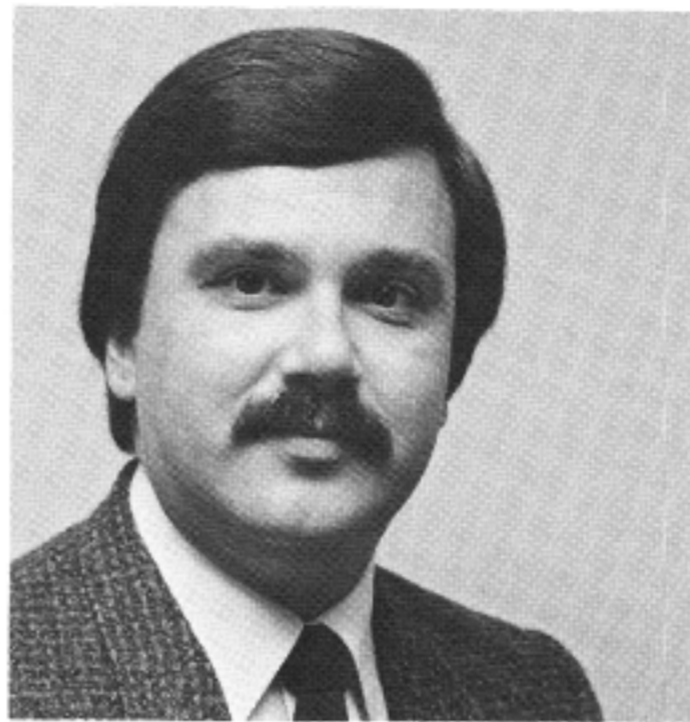
- Commercial studio:** equipment will include one color camera, with a black and white camera for graphics.

- Video control room:** CDL switcher will access three cameras, telecine, one 2" VTR, three 1" or 3/4" VTRs and a Chyron IV character generator. Monitors will be arranged in an arc for better visibility from the control desk.

- Audio control room:** console will include reverb, filtering and special sound effect capabilities. Both audio and video control rooms will be located on the same level as the studio.

- Editing suites:** A suite for on-line editing in the one-inch format will be equipped with an edit controller to operate three videotapes, audio playback, a video switcher with special effects, the Chyron IV character generator and camera sources from the commercial studio. All mechanical movements will be performed in the master control room to avoid noise and distractions in the editing suite. The audio console will allow mixing from different sources, including audio tapes synchronized with video tapes. Similar facilities will be installed for editing 3/4" tape, and there will be three small studios for off-line editing on 3/4" tape, with SMPTE time code.

- Technical quality control area:** will contain all units used as input/output sources; VTRs for duplication of 2", 1", 3/4", 1/2" and 1/4" tape; telecine; operation of character generator; verification of audio/video signals; workshop.



Pierre Roy

Director of the centre is Pierre Roy, well-known in Quebec's film and television production industry.

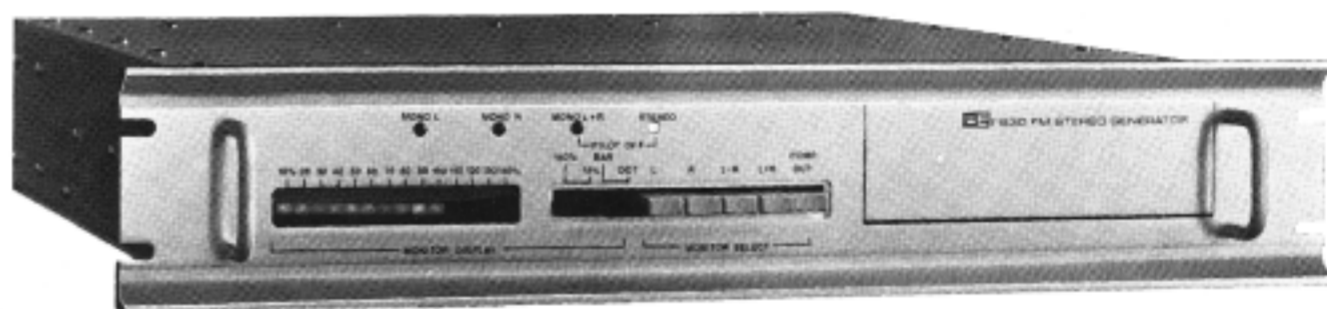
The opening of the facility in 1983 will mark 30 years of television development in the Quebec capital. The original company, Télévision de Québec, was created in 1953, and CFCM-TV, channel 4, went on the air in July of 1954 as a Radio-Canada affiliate, with a staff of 18, one

small studio, a 500-watt transmitter and a building of 11,800 sq. ft. In 1957, CKMI-TV, an English station on channel 5, went on the air, while CFCM increased power to 15 kw; the company added 22,000 sq. ft. and became the first private broadcaster in Canada to purchase a VTR.

By 1963, staff had grown to 145. With Radio-Canada preparing to launch its own station, CBVT, in 1964, CFCM added another 9,000 sq. ft. to handle increased local production, and boosted power to the maximum of 100 kw. The stations added color transmission facilities in July, 1966, and color origination capability in December, 1969. With the establishment of TVA in 1971, CFCM became an important part of the second French network. Staff now numbers over 200.

Tele-Capital describes the new production centre as the latest step in this long record of service to the area, and notes that—despite the present slow-down in the economy—it has "confidence in the future and in the world of telecommunications".

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AM STEREO ACTION STARTS; PAYNE JOINS MOTOROLA

The U.S. Federal Communications Commission has granted type-acceptance to both the Kahn and Harris AM Stereo systems, with a third application now in from Continental for the Magnavox system.

Kahn obtained approval on July 23 and two stations immediately put the system into operation, with 12 more equipped to follow soon after.

The Harris system was approved two weeks later, with WQXI Atlanta the first station to implement it on August 6; ten more stations were expected to follow by early September. Harris says it has firm orders from 128 stations—108 in the U.S., three in Canada, and 17 in other countries.

Meanwhile, Motorola Inc. has announced the appointment of Chris Payne as AM Stereo Broadcasting Manager. A well-known U.S. broadcast engineer, Payne has been with NAB for the past six years and was responsible for testing three of the systems. Based in Washington, DC, Payne's mandate is to "accurately and aggressively" present Motorola's position and "bridge the information gap between broadcasters and receiver manufacturers".

HDTV CONFERENCE IN OTTAWA, OCT. 18-26

A conference on High Definition Television, the *1982 HDTV Colloquium*, will be held October 18-21 in Ottawa. Papers dealing with both high and "enhanced" definition TV (EDTV) have been invited from Japan, Europe, and the United States, as well as Canada.

A committee of CBC and government representatives is organizing the event, with Douglas Parkhill, assistant deputy minister for research at DOC, as chairman, and Ken P. Davis of CBC Engineering HQ in Montreal as vice-chairman.

The four days of seminars and workshops will examine HDTV technology, its potential applications, and compatibility with present standards. Further information may be obtained from the HDTV secretariat at CBC-EHQ in Montreal, telephone (514) 488-2551, extension 456.

5 TELESAT LAUNCHES

Telesat Canada has contracted with NASA to launch five Canadian satellites through to 1985. The first, on August 12, was from the Kennedy Space Centre in

Florida, and cost over \$25 million (US). The Anik D1 satellite provides 24 channels in the 6/4 GHz band.

The remaining launches will employ the NASA space shuttle, and are scheduled as follows:

- Nov. 11, 1982—Anik C3 (16 channels, 14/12 GHz)
- Apr. 20, 1983—Anik C
- April 18, 1984—Anik C
- October 10, 1985—Anik D

Cost of the five launches is about \$75 million (US); the five satellites are worth about \$160 million (Cdn).

BBC TO BUILD NEW RADIO CENTRE

The British Broadcasting Corporation plans to put a New Radio Broadcasting Centre into operation by 1990. It will be located in Langham Place, London, across from the existing Broadcasting House, which will be retained for training purposes.

From designs submitted by architects around the world, the BBC is now considering 10 and will announce its final decision in December. Six of the contenders are from Britain, two are from Canada and two from the U.S.A. Construction would begin in 1985.

The BBC is currently engaged in a 100 million pound program of capital spending. Projects include a new Hong Kong transmitter and relay station in east Africa, and the Corporation notes that during the past 25 years, radios in use around the world have increased five-fold to 1.25 billion.

New Training Method

Meanwhile, the BBC's Engineering Training department has produced what it claims is a revolutionary method of training students in the fundamentals of TV engineering. A learning "package"—consisting of two main racks of equipment, four books and a video tape—takes the student through basic equipment (2 days), colorimetry (about one day), then coding and decoding, with demonstration equipment (but not monitors and oscilloscopes) included. The BBC plans to make the PAL package available to other organizations in the near future.

ALLEN GETS 2 YEARS

The former head of CHIC/CFNY-FM Brampton, Ont., Leslie Allen, received a sentence of two years less a day after being convicted on fraud charges. He is being allowed to serve the sentence in the evenings and continue working during the day. While president of several com-

panies, including All-Can Holdings, Allen negotiated a \$1.5 million loan on the basis of overstated revenues; he also manipulated the price of All-Can on the stock market, announcing a takeover while selling his own shares. The ensuing bankruptcy forced the sale of the stations (now CKMW/CFNY) as well as Allen's home and \$210,000 art collection.

U.S. News

NEW NAB PRESIDENT

Edward O. Fritts, previously chairman of the joint board (radio & TV) of the National Association of Broadcasters, has been named president of the Association. He replaces Vince Wasilewski, president since 1965, who plans to practice communications law in Washington when he retires from NAB. Fritts is president of Fritts Broadcasting, Indianola, Mississippi, which operates 10 southern radio stations.

CUBAN INTERFERENCE

An all-industry task force has been formed to deal with the problem of Cuban interference on the AM band. It includes representatives from NAB, NRBA, Florida broadcasters and the Clear Channel Broadcasting Service.

The U.S. House of Representatives has approved a bill which authorizes spending \$7.5 million for "Radio Marti"—a 50 kw station to be beamed to Cuba from the Florida Keys, probably on 1040 kHz. This plan—yet to be approved by the Senate—is generally opposed by U.S. broadcasters, who fear it will escalate the power war. Cuba is believed to be using up to 150 kw to broadcast Soviet propaganda into the U.S. on various frequencies (including, at times, 550, 600, 790 and 1160 kHz), and is expected to jam "Radio Marti" with up to 500 kw.

Obituaries:

• **Vladimir K. Zworykin**—a leading scientist in the development of television, Zworykin came to the U.S.A. from Russia after World War I. He was with Westinghouse from 1920 to 1929, when he joined David Sarnoff, who became head of RCA. Holder of over 120 patents, Zworykin was 92 years of age.

• **Paul L'Anglais**—a co-founder and former chairman of Tele-Metropole (CFTM-TV Montreal), L'Anglais was prominent in Quebec production, arts and advertising circles. He also was founder and president of the Paul L'Anglais firm of station representatives.

CANADA

- **Adcom Electronics**—have opened a new office in Boston, Mass.
- **Allarco**—has purchased Video Pack. Edmonton production firm will expand post-production facilities, including Bosch equipment for film-to-tape transfers.
- **Canada Wire**—new Winnipeg plant of 42,000 square feet, costing \$3.8 million, will provide manufacturing and research facilities for fiber optic cable.
- **Corvis Communications**—has supplied Commander II editing system to André Desroches at Canadian Filmtronics, Toronto.
- **DOC**—updated following the 1979 WARC, the poster *Spectrum Allocations in Canada*, catalog #Co22-33/1982, is available at \$2.50 a copy from authorized bookstores or Canadian Government Publishing Centre, Supply & Services Canada, Ottawa, Ont. K1A 0S9.
- **Hitachi-Denshi**—selected to supply audio and video equipment for Mt. Everest climb sponsored by Air Canada. Production staff will use SK-91 and FP-10 cameras, HR-100 and HR-200 VTRs; the

4-lb. VK-C1000 camera, along with mini-VTRs, will be back-packed by some of the 15 climbers to record on-the-spot action.

- **Larcan Communications Equipment Inc.**—new address in Montreal is 8150 Trans-Canada Highway, St-Laurent, PQ H4S 1M5, telephone (514)332-3322, telex 05-824919. Recent transmitter sales by Larcan include a 5 kw VHF for CBC Grande Prairie, a 250-watter for CBC Whitehorse, and five 30 kw units in the U.S.A.

- **Lumitrol Ltd.**—appointed Canadian stocking distributor for Colortran Inc. repair parts for studio lights. Address: 5 Walker Ave., Toronto, Ont. M4V 1G3, (416)921-6060.

- **Microsat Communications**—Pickering, Ont., firm has been acquired by Anixter-Pruzan Canada.

- **Mitel Corp.**—Ottawa firm has agreed with Scientific-Atlanta, Inc. to design and produce new satellite systems combining satellite and telephone/data switching technologies for business communications. Marketing begins immediately under trade name *Skyswitch*.

- **MTV**—Toronto multicultural TV station anticipates loss of \$1 million for year ending August 31, with revenues of \$7.2 million. It's the third year of deficits for MTV, which expects to turn a profit by 1984.

- **Noracom Consultants Inc.**—six companies have joined forces to offer a wide range of broadcast and communications services. They are: Turnelle Corp. (equipment, A/V production); Pierre Labarre & Associates (engineering consultants); Noracom Services Inc. (installation and maintenance); Nordicity Group (industrial consultants); Agora Productions (film production) and JFB Productions (financing). Principals include Jacques de Courville Nicol, president of Turnelle, Pierre Labarre, P. Eng., Yves Picard, P. Eng., and Lisette Pelletier. Head office is in Montreal, with branches in Ottawa and Toronto.

- **Octopus Audio**—equipment supplied to CHAM (formerly CJD) Hamilton includes two model 184 stereo pre-amps, designed and built by Octopus, and the newest version of the Aphex II broadcast aural exciter. Other users of the Aphex II include CITV-TV and CJA Edmonton, CFAX Victoria.

- **Panasonic Canada**—has formed Industrial Audio/Video Department, with John Howells as manager; activities will include sales/service of Ramsa professional audio products. (See also *Appointments*.)

- **Telecommunications Terminal Systems**—new telephone interconnect firm, jointly owned by CN and CP, reports brisk sales at its locations in five major cities.

- **VTR Productions**—new duplication centre in Don Mills will have 300 VHS and 150 BETA machines to dub movies for home video market.

- **Westech Broadcast Services**—new name of PC Workshop Engineering of Red Deer, Alberta. Neil Evans is president, with founder Peter Calvert, now of SED Systems in Saskatoon, remaining as v.p.

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- 2 UNIQUE BLEND OF ABS PLASTIC OR ALUMINIZED MAHOGANY PLYWOOD WITH INSIDE FINISH OF YOUR CHOICE.
- 3 CUSTOM EXTRUDED ALUMINUM DOUBLE EDGE CORNER MOULDING OFFERING SUPERIOR STRUCTURAL STRENGTH.
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PIXEL TELEVISION TO REP NEC



Pixel Television Ltd. has been formed by Derek Henry, Ken Snowden and Ray Tattershall, to market complete systems for two-way color video communication, teleconferencing, and digital links. A 5-year agreement, reached at NAB in Dallas, gives Pixel exclusive Canadian distribution of video teleconferencing and digital video transmission systems from NEC's Broadcast Equipment Division. In photo are (left to right) Ken Snowden and Derek Henry of Pixel, Dennis Fraser, vp/gm, and Bob Curwin, sales manager, NEC America. Address for Pixel is: Television House, 236 Yorkland Blvd., Toronto, Ont. M2J 1R5; (416) 494-6989, telex 06-986766.

CKSH-TV SHERBROOKE UPDATES



CKSH-TV Sherbrooke, Quebec, has discovered that its updated technical facilities, completed early this year, are resulting in some unexpected benefits. Previously, local production was on film, using limited, overcrowded facilities. Now, with more professional equipment and surroundings, CKSH finds it is winning larger audiences, as well as contracts for the production of commercials for national accounts. The renovations—planned and designed by Costa Babalis, Montreal studio systems consultant, Alain Plante, CKSH production director, and André Ste-Marie, formerly of CBC/Radio-Canada—were completed without any disruption of regular programming. A similar project is now underway at CKSH-TV's sister station CKTM-TV Trois-Rivières.

AFFORDABLE PRECISION IMPULSE CLOCKS

Designed for use with
TORPEY CLK 2 OR CLK 5 MASTER CLOCK SYSTEMS



EXTRA

- Low power consumption
- Super quiet movement
- Jump second hand
- Resetable without removing from wall
- Pulling adjustment stem resets second hand to 12
- Economically priced
- 12" diameter (nominal)
- Designed for operation on standard 12 V pulse systems
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appointments

• Access—**Larry Shorter**, founding president of the Alberta Educational Communications Corp., has resigned as of August 31 to establish his own firm specializing in communications technology.

• Acrodyne Industries—**Raymond W. Doreian** to director of engineering; **Edward F. Lombard** to manager, mechanical engineering.

• CFNY-FM Brampton, Ont.—**James Fonger** to retail sales manager.

• CJCL Toronto—**Dave Patrick** named morning man; **Scott Walker** takes over evening shift.

• CKMW Brampton—**Jim A. Morrow** to general sales manager.

• Gellman, Hayward & Partners Ltd.—**Anthony B. Clark** and **Donald Shaw** appointed senior consultants, Automated Systems group.

• HUCHM Productions—**John Krug** named general manager.

• M/A-Com Land Mobile—**John E. Leonard, Jr.**, formerly of Moseley Associates and Gates Radio, appointed president; **Clif Fraser** becomes v.p., marketing.

• Moseley Associates—**Fred Zimmerman** promoted to president; **Kinsley Jones**, formerly of McMartin Industries, is manager, U.S. sales; and **Harry Wareham**, most recently with Cetec Broadcast, is operations manager.

• Panasonic Canada—recent appointments include **Roger Rickard**, technical support engineer, and **Tom McBride**, quality control technician, Video Systems department; **John Howells** takes on additional duties as manager of the new Industrial Audio/Video department, with **Ted Nakamura** as manager for audio; **Robert Quaille** is national sales manager, Video Systems, and **Fred Nanos** is sales rep, professional video.

• RCA—**Jack E. Banister** promoted to v.p., broadcast marketing for Europe, Africa and the Middle East, based in U.K. At Commercial Communications Systems in Camden, **W. Arnold Taylor**, previously with Ampex, Sony and Compact Video Systems, has been

BROADCAST TECHNOLOGY

named division v.p., marketing, and **Keith G. Johnson** has been promoted to director, international product planning.

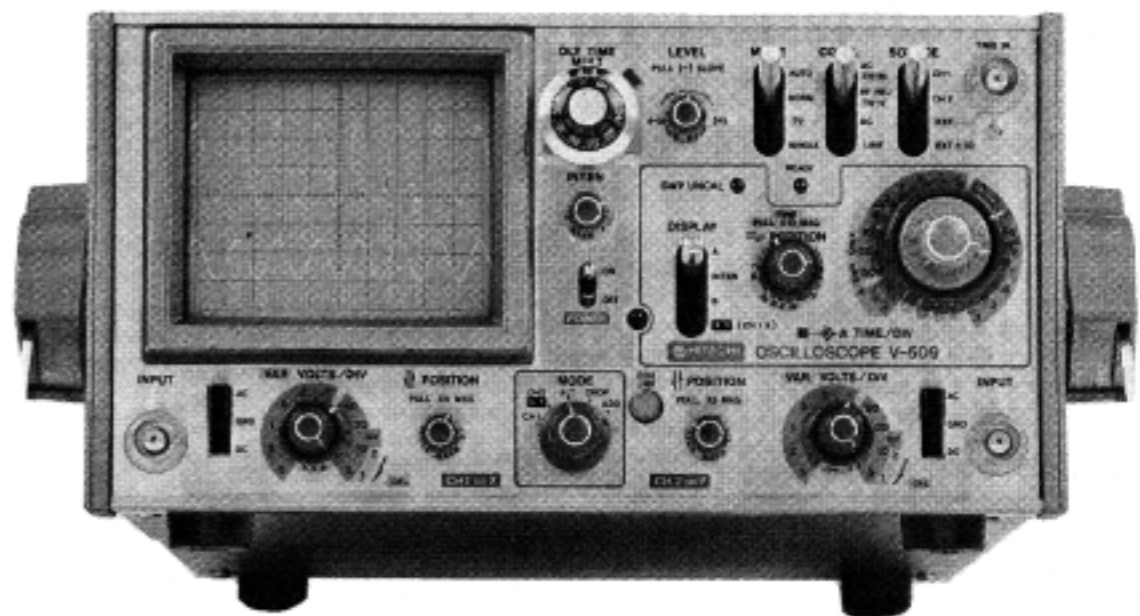
• Scientific-Atlanta Inc.—**Paul G. Hansil**, formerly of Ampex, named sales manager, satellite communications division; **Michael Kelly** promoted to marketing manager for satellite digital

audio products, selected by ABC, CBS and NBC radio networks.

• Sunwapta Broadcasting—recent appointments include **Bruce Alloway** to v.p. and g.m., **Graham McLean** to secretary-treasurer, **George Kidd** to manager of CFRN-TV and **David Nevett** to manager of CKXM-FM Edmonton.

HITACHI Mini Portable Dual-Trace V-509 OSCILLOSCOPE DC-50 MHz with Delayed Sweep

*The Portable Superlab—
Easy-to-operate and economical*



The Hitachi model V-509 is designed to put a high-sensitivity, high-performance scope within the reach of the field service technician. To do that, ease-of-use has been built into the instrument in the form of a human-engineered front panel that includes all essential controls. The result is a mini-portable scope design that is making Hitachi a leader in mini-portable service oscilloscopes.

- A dynamic range of 8 full divisions usable to 50 MHz
- Sensitivity to 1 mV/div (10 MHz) and sweep times to 10 ns/div.
- Built-in TV sync separation circuit
- 3-source power supply—you can take Hitachi mini-portables anywhere
- Auto focus circuit
- Single sweep for reliable measurement of one-time events
- Variable holdoff circuit
- Trace rotation function
- Delayed sweep jitter held to below 1/20,000



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Circle #121 on Reader Service Card

by Phil Stone

Over the summer **Barbara Laskin**, the talented and so attractive CITY-TV news reporter moved to ABC-TV news ... If you are one of the many Canadians who watch *Wall Street Week* on PBS, then you are one of seven-to-eight million North American viewers of the 12-year-old business program ... **Peter Swain's** Media Buying Services was named agency of record for the T. Eaton Co. with total billings yearly of \$5.6 million ... **Rick Gallop**, former Cockfield, Brown president, opened a new firm, Qualified Sales Leads, Inc., which sells a monthly list of names, phone numbers and addresses of potential customers for its clients ... It cost Procter & Gamble \$30 million to produce the *Marco Polo* TV series plus \$4 million to have it shown. P&G figures this the best way to ensure high quality programming to showcase its commercials (it got 70 minutes in the four-part *Marco Polo* series) ... *Suggestion to parents: If your children are still young, now is the time to give them advice. Later on they'll know you don't know what you're talking about ...*

The CRTC announced that henceforth all complaints about the CRTC renewing a given licence will be placed in the public examination file along with the licensee's application for renewal ... **Bob Smylie**, with whom we were associated during our active years with the Canadian Public Relations Society and who was with MacLaren for many years, joined Marshall Fenn as a senior consultant ... **Mark Wicken**, who spent time with McDonald's, IBM, the CNE and Distiller's Co., joined Caledon Advertising as account group supervisor ... **Jean-Marie Heimrath**, who handles promotion for Metro 1430-CJCL, joined the Variety Club ... Found that A&M Records was named after composer and recording artist **Herb Alpert** and **Jerry Moss** ... And that **Lawrence Welk's** licence plates read A1ANA2 ... One of our earliest students in the Humber Radio course was **Stan Genno: Don Luzzi** appointed him promotion manager at Radio ML Limited (CHML/CKDS-FM Hamilton), while **Bob Burger** was named chief engineer ... **John Felton** of *The Diamonds* was killed in an air crash, bringing back memories of when in the 50s we spun *Little Darling* ...

Baker Lovick president **Allan Yeates** became chairman of the board of the Canadian Advertising Foundation ... **Rick Richardson** appointed **John MacKey** v.p. and g.m. of CJBK London—as most likely know, he was previously g.m. at CKGM/CHOM Montreal ... *Heard that a program director said to one of his announcers: "This is just a suggestion—you don't have to follow it unless you want to keep your job."* ... As you read this, Standard's new Ottawa station, CJSB, should be on the air, at a reported cost of \$4 million ... CCTA people still glowing over the applause that greeted their 25th anniversary conference ... **Susan Kastner** of the multi-talented family (Peter, John) joined Ronalds-Reynolds as an associate creative director ... CKO News dropped its rep, Tele-Capital Unicom, to rep itself ... And we hear **Chuck Camroux** is leaving CKLW Windsor to go back to operating his own business—he did just that when he left CFTR ...

Terry D. Shepard was made executive director of the Cable Telecommunications Research Institute, after much time with DOC ... *A fellow at university told me there was indeed freedom of speech in Russia; maybe so, but that's not what*

worries me: it's the freedom after the speech is made ... **Geof Jenkins** moved up to chairman at Ted Bates Advertising, and **Ed Nodwell** became president ... Condolences go out to **Bob Loney** whose wife passed away. With Ronalds-Reynolds for many years, Bob is now a consultant and has recently been associated with this magazine ... A book worth looking at is *You Can't Show Kids in Underwear (And Other Little-Known Facts About Television)* by **Barbara Seuling**. It's published by Doubleday. We learn from it that RCA's first TV sets, put on sale in 1939, were priced from \$199.50 to \$600, and the largest had a 10" screen; RCA's first color sets were marketed in 1954 ... Studies by the Canadian Teachers' Federation on *What Students Watch on Television* indicate that young people watch TV to be entertained and are not particularly interested in documentaries or in-depth explorations. Types of programs most favored are comedies, police and detective series, TV movies and cartoons. Boys also prefer sports; girls, soap operas. The report costs \$4 from CTF, 110 Argyle Avenue, Ottawa, Ont. K2P 1B4 ... We enjoyed reading *A Thousand Sundays*, the story of the Ed Sullivan show, written by **Jerry Bowles** and published by Putnam. Although American, Bowles didn't overlook **Wayne & Shuster's** contribution to the Sullivan saga and devoted a chapter to John and Frank. Discussing the fact that he and Shuster never moved to the U.S., Wayne said: "I remember an agent came up to see us once, and he said, 'You guys have just got to move down. You're hot and I can get you a lot of work.' We said we were born and grew up in Canada, liked it here and were happy. I'll never forget what the poor guy's answer was: he looked me straight in the eye and said, 'Yeah, but happiness isn't everything.'" ...

The evil that men do lives after them. Especially on re-runs ... When **Lou Tameanko** left the Radio Bureau of Canada to join the Radio Advertising Bureau in New York as senior v.p., he was succeeded by **Brian Minton**, former v.p., sales, of the Newspaper Marketing Bureau ... 1982 marks the 50th anniversary of public broadcasting in Canada; also the 25th anniversary of the day CHUM helped change the face of private radio when it inaugurated its Top 40 hit parade format ... Interesting piece in *Report on Business* by **Dan Westell** covering RCA's status. Story is that the giant will move heavily into pay-TV in the States, participating with the Rockefeller interests in *The Entertainment Channel*, which, over and above the expected movies, will offer Broadway plays and musicals, its own productions, and to top that off, has exclusive rights to the BBC's production of 6,000 hours a year of programming. Presently going through a reorganization which has brought about the sale of some subsidiaries, RCA, with sales of \$8 billion a year, is apparently shoring up for the future in an ever-changing electronic market ... **Rob Heighington** left Cockfield, Brown to join Caledon Advertising as executive on the Carling/O'Keefe account ... It took nearly 30 years for it to happen, but British Columbia lifted the broadcast ban on beer and wine advertising ... **Herb Skelton**, the top creative man, left Cockfield, Brown to go to McCann-Erickson ... It's September 22nd at the Inn on the Park for the return of the Canadian advertising industry's national radio awards, after a 10-year hiatus. The Radio Bureau and the Canadian Association of Representatives are the sponsors ... **Ernie Steele**, president of the CAB had his contract renewed for a further three years. He's headed the national organization

BROADCAST BEAT

since 1978 ... **David Grossman**, whom we knew at Humber College where he was director of college relations, became media director with the Ontario Ministry of Community and Social Services ... Interesting to learn that a TV set uses the same amount of energy as an ordinary light bulb ...

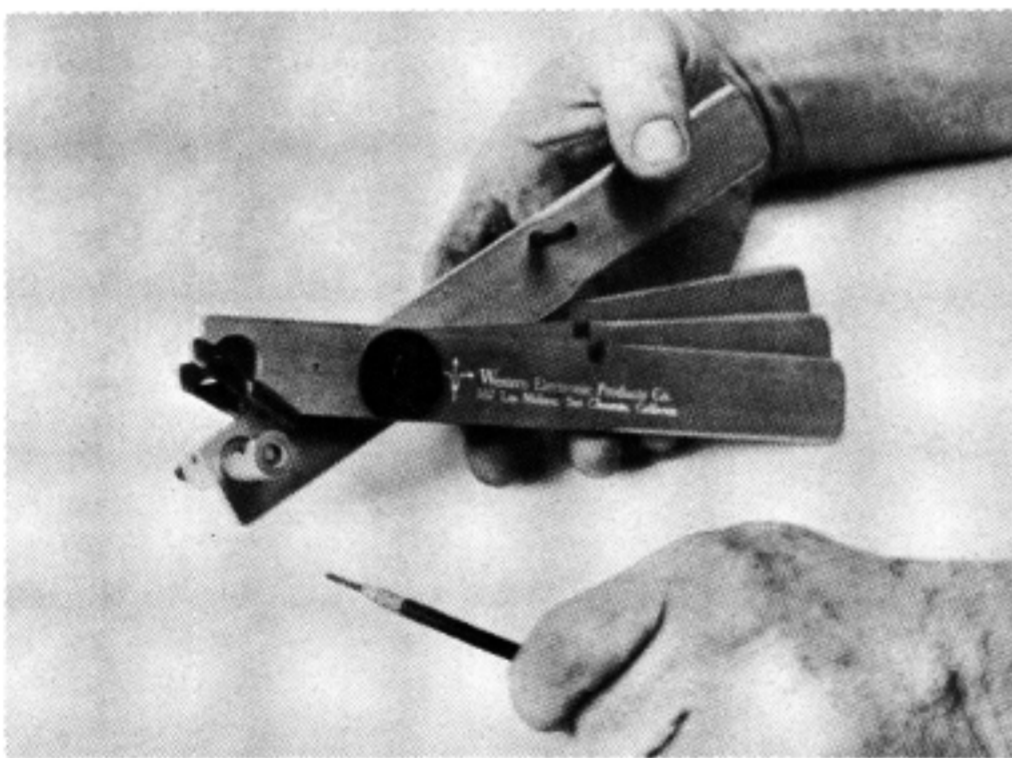
At **Howard English's** invitation, we toured CKO's elaborate and so very functional new quarters in the Carlton Inn, adjacent to Maple Leaf Gardens. We were impressed by the facilities for the tape editors, the barrage of news wires, including Dow-Jones (Howard thinks it's the only one in Toronto), the terminals on virtually every desk, and by the overall impression of professionalism. Certainly president **Taylor (Hap) Parnaby** has surrounded himself with top-rank people; Howard is executive editor, programming, **Jim Frolich** v.p., sales and marketing, **Gary Greenway**, national sales, **Frank Gardner**, Toronto sales, **Dave Lafave**, operations, and old friend **Ian Brownlee** is Toronto news director ... **Keith Morrison** of CTV moved to the CBC's *The Journal* as the voice on national affairs in Ottawa, where he and his wife, **Suzanne Perry**, have their home ... Sorry to have missed the cable convention because of a heavy cold. And thanks to **Susan Cornell** of CCTA for the kind note ... **Jim Brady** and **CJCL** parted company; also out of **CJCL** are **Nancy Bull**, now with news at **CHEZ-FM** Ottawa, and **Glen Stone**, now an anchorman at **CKO** ... **CKFM** promotion for Esso has a mobile cruiser that travels Toronto's main roads to assist motorists needing help ... **Barry Moore** of Rogers Cable became education v.p. for the Ad & Sales Club of Toronto ... At the Children's Broadcast Institute, CTV's **Jack Ruttle** became first v.p. ... **Gerald Kennedy** was appointed g.m. of Eastern Broadcasting by **Jack Schoone**. A chartered accountant, he joined Eastern eight years ago as secretary-treasurer ... Oh to

be a news director: this year's International RTNDA convention (Sept. 20-Oct. 2) is at the luxurious Caesar's Palace in Las Vegas ... October 19 & 20 are the dates for the Ontario Cable convention. It will be at the Sheraton Triumph hotel, with **Arnold Stinson** looking after arrangements ...

CBC's Radio's Ontario region is now under the direction of **Kel Lack**, a long-time veteran of CBC News ... When **Anne Murray's** first 5-year contract with the Canadian Imperial Bank of Commerce expired this summer, the bank extended the pact ... Look for a new AM station in Vancouver's area ... Salutes to **CHUM**, the only Canadian winner in the International Radio Festival of New York, and to **CFCF-TV**, which captured the large market category for radio announcements other than news at the Broadcast Promotion Association international awards ... Baseball buffs will remember **Jack Brickhouse** as one of the first radio play-by-play men. Brickhouse, who retired after 37 years of calling hits, runs and errors, broadcast over 5,000 games of the *Chicago Cubs* and *White Sox* since 1945 ... **John Gilbert**, the open-line man, has split from **CKEY** and is mulling over future plans ... A good read is *The Right Place at the Right Time* by **Robert McNeil**, the former **CJCH** Halifax disc jockey, now a major figure in U.S. television as half of the *McNeil/Lehrer Report* ... **TVOntario** added two Toronto *Star* men as contributors to its programming: political writer **Richard Gwyn** and culture expert **Robert Fulford** ... Former CBC president **Al Johnston** is spending a year at Queens University contemplating and writing ... **CKSL** London named **Jerry Stevens** as program director ... And at **CFCF** Montreal, **Ted Blackman** took over as p.d. when **Bob Linney** went to **CJSB** Ottawa ... *Playing golf with Doug & Jacquie Loney this summer, we discovered that Jacquie's game is improving: she is now missing the ball much closer than she used to ...*

As you read this, Broadcast News should have its Infovision Telidon-enhanced news service for cable companies in operation ... **Helen Murphy**, a veteran of CRTC information services, moved to the Canada Council's communications department as director ... *Every station manager needs a program director because he just can't blame everything on the CRTC ...* Canada lost one of its most talented and best-liked musicians with the passing of **Lou Snider**. A star of many national radio and TV shows, Lou helped many other performers to stardom ... **FACTOR** is the Foundation to Assist Canadian Talent on Record; it's supported by the **CHUM** group, **Moffat**, **Rogers Radio**, the **Canadian Independent Record Production Association** and the **Canadian Music Publishers Association** ... **CJCA** Edmonton is 60 years old this year, as is **CFUN** Vancouver (which changed call letters along the way), **CKLW** is 30, **CHOW** Welland, 25; **CKFM** Toronto is 21, and relative youngsters **CKBY-FM** Ottawa and **CITY-TV** Toronto are just 10. First announcer on **CITY** was **Dan Ackroyd** ... The in-house sales staff at **CJCL** Toronto moved into **Opex Communications** as its new retail division ... **Frank Hennigar** became known in Halifax as a financial consultant who appeared with advice on CBC radio and TV. He got three years in jail and two on probation for bilking five clients who reportedly invested \$150,000 ... Fredericton will get a new FM station: licence was awarded to **CIHI** Radio One ... **Terry Rapoch**, big in computers and systems for broadcasting, became a v.p. of **Seltab Computer Services**, a subsidiary of **Selkirk Communications** ... **Norman Simon** joined the CBC as director of communications, English Services Division; he was once info director for the City of Toronto ... *Christmas is no longer that far away, and if you've been saving for a rainy day, well, Christmas is the monsoon season ...*

Daniel Richler—he's **Mordecai's** son—has left **CJCL** ... For a new media dictionary with over 500 terms used in all fields of communications, contact **Margaret Slaney** at Baker-Lovick. Cost is just \$2 ... **Cockfield**, **Brown Inc.** bought **McConnell**



MODEL CX-1 COAXIAL CABLE STRIPPER

- Prepares cable in ten seconds
- Developed and used by NASA
- Adjustable for most cables and connectors
- Eliminates nicked conductors



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Circle # 130 on Reader Service Card

Advertising ... Tele-Capital Unicom became the rep for CIEL-FM Montreal ... Don't miss the CAB/CCBA joint convention in November; as always, it's preceded by the annual meeting of the Broadcast Education Association of Canada ... This writer back again to teach station management to broadcast students at Conestoga College in Kitchener ... They're still talking about CKFM's 21st birthday party, a real class affair ...

The average half-hour U.S. TV show costs \$250,000 to produce. Another reason why re-runs are so vital to the networks ... When you see **Victoria Principal** on those TV commercials you are looking at a woman who is not only an actress but a stock car racer and a trained chiropractor ... Would you believe that **Liberace's** TV show was cancelled over a commercial he refused to read? It began with the words: "Girls, do you have briar patch legs?" Now that's creative ... Two fellows whom we first met in the early 50s were in the news this summer: **John Bradshaw**, CFRB gardening expert for 32 years, departed in June to become involved in writing a book and other interests. **Art Drysdale** succeeded him. The other was **Larry Solway**, then an announcer at CKLB Oshawa, who wanted to get into CHUM. He eventually did, as a copywriter, then gained fame as host of *Speak Your Mind*, one of the first open-line shows. Later he was to become a CBC celebrity, actor, and columnist for the *Toronto Star*. The *Star* dropped his column, and Larry has returned to where he began: he and **Nuala Fitzgerald**, his co-star in theatrical performances, are co-hosts of the *On the Line* talk show on the Oshawa station, now CKAR under **George Grant** ... The CBC and the Canadian Wire Service Guild have come to terms on a one-year extension of their contract: effective in December, it calls for an 11.5% pay increase, creating a salary range from \$13,151 for a copy clerk to \$38,896 for a senior editor ...

Bill Greenwell became v.p., client services, at F.H. Hayhurst; he was v.p. and g.m. at Cockfield, Brown ... **Alain Gourd**, big

in Quebec broadcasting circles as chief of Radio Nord TV and more recently president of Radio Mutuel, replaced **Jean Fournier** as senior assistant deputy minister at DOC ... **Joel Aldred** (remember him?), now largely involved with his farm northeast of Toronto, is rumored to be setting his cap for the presidency of the Progressive Conservative party ... **Kay Lehman**, who left McConnell as media director, joined Grey Advertising as head of a new media buying group ... Movies are not the biggest thing in TV: a recent study shows that ahead of films in viewer favor are situation comedies, police/detective, family drama, and variety/music ... *If you're having trouble with your eyesight, try this tip: use stronger glasses and weaker drinks ... Before I got contacts, when I misplaced my glasses I couldn't look for them until I found them ...*

That was **Keith Hampshire** you heard singing the Toronto *Blue Jays* jingle ... **Robert Beauchamp** of Telecable Laurentian, Hull, became chairman of CCTA, succeeding **Jack E. Davis** of Calgary ... Enterprise Advertising is now marketing CKO All-News Radio ... CKIQ Kelowna was a big winner at the CLIO awards, capturing top honors in the public service category. CKLW Windsor was another Canadian to take home a prize, this for the best conceived and produced spot ... **Jacques de la Chevrotière** was appointed to a 5-year term as part-time member of the CRTC. He is chairman of the health insurance co-op, Services de Santé du Québec ... For **Gordon Sinclair's** 82nd birthday, Ogilvy & Mather put together a special commercial written by **Judy Sampson** and **Michele Scarff**. Michele was one of the brightest students we had in our Humber radio course days ... **D. Neil Aitchison** was appointed g.s.m. at CAP Communications (CKKW/CFCA-FM) Kitchener ... Does Multicultural broadcasting preserve cultural identity? If you care, DOC has a study on multicultural broadcasting conducted in five Canadian cities ... *Most people would be willing to earn their money honestly if it didn't take so long ...*



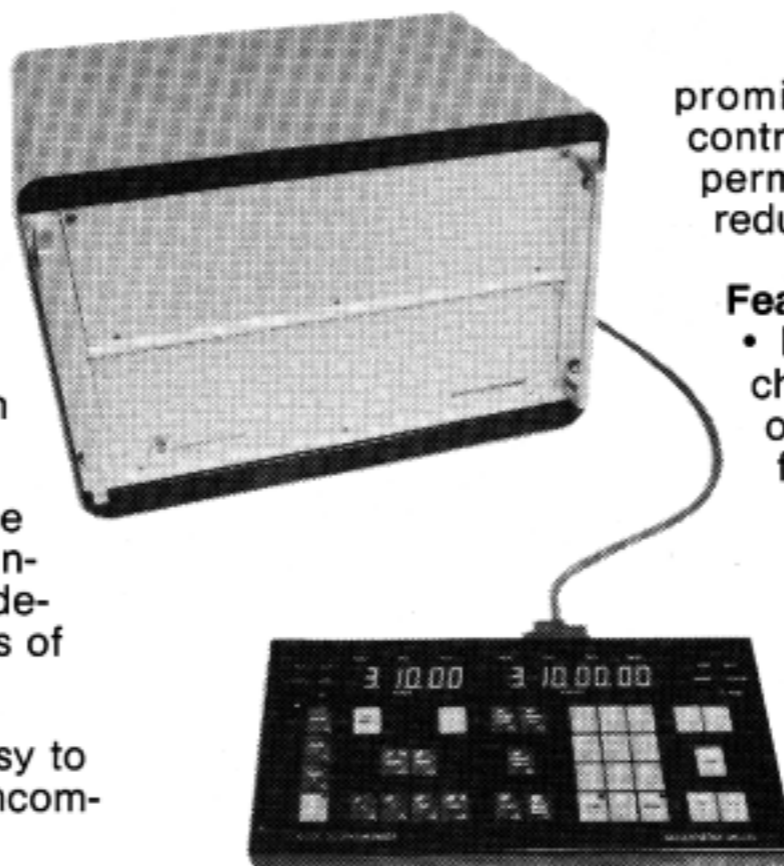
Q-LOCK AUDIO-VIDEO SYNCHRONISERS

Q-LOCK is the required component for the serious production facility.

Years of experience with video and audio multi-machine synchronisation has resulted in a list of international clients comprised of the most prestigious video, audio, broadcast and film organizations in the world.

Q-LOCK is the only multi-standard tape machine controller/synchroniser with integral time code generators/readers designed for the advanced requirements of video and film post production audio.

Optimized software interfaces and easy to understand controller functions give uncom-



promised performance and full hands-off control of all repetitive mixing functions, permitting full creative potential and the reduction of mixing time.

Features

- Full 2 or 3 machine control and synchronisation capability includes unique offset manipulation and calculation facilities.
- Built in SMPTE/EBU time code generators/readers will sync simultaneous mixed codes.
- Full external events control including machine record and rehearse functions, automatic pre-roll, instant replay and replay-cycle.

Call or write for further information or a demonstration.

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HEARINGS SCHEDULED

The following public hearings (re: broadcast matters) have been scheduled. Those planning to attend hearings should confirm the date and location, as changes may be required.

Sept. 29: **Halifax** (Nova Scotian)
 Oct. 1: **St. John's** (Newfoundland)
 Oct. 4: **Hull** (Conference Centre)

Oct. 5: **Montreal** (Bonaventure)
 Oct. 19: **Edmonton** (Lacombe)
 Oct. 19: **Vancouver**
 (Sheraton Plaza 500)
 Nov. 2: **Toronto**
 (Ramada Inn Downtown)
 Nov. 23: **Hull** (Conference Centre)
 Dec. 7: **Montreal**
 (Queen Elizabeth)
 Dec. 14: **Vancouver**
 (Hyatt Regency)

DECISIONS

AM Radio

CORNWALL DENIALS

A second application by Centrex Broadcasting Ltd. for an AM radio station in Cornwall, Ont., has been denied. The CRTC stated that it again reviewed the economic situation in Cornwall and found "a marked decline" and a significant drop in population. It also noted that music policy was not well-defined. Centrex applied for 2.5 kw on 1600 kHz.

Also denied was the bid by Idea Akashwani Communications Ltd. to acquire CFIX Cornwall and CHPR Hawkesbury, in bankruptcy since August, 1981. The commission says it still considers a local French radio service in the area highly desirable, but that the applicant did not allocate the necessary funds for a viable operation, proposing insufficient staff and over-optimistic revenues.

AM Applications Approved:

- Transfer of control of CJLS Yarmouth, N.S., to Michael L. Trask (73%), with Bruce D. Raymond retaining 27%.
- Acquisition of CFAR Flin Flon, CJAR The Pas and CHTM Thompson, Man., by Doug O'Brien (company to be incorporated).
- Acquisition of CKOM Saskatoon by Arctic Radio Corp.
- Transfer of control of CJXX Grande Prairie, Alta., to Central Alberta Broadcasting Co. (53%).
- Transfer of control of N.L. Broadcasting (CHNL Kamloops, B.C.) to Fraser Valley Broadcasters.
- An automated Travellers Information Service to be operated by the CBC, in cooperation with the B.C. Ministry of Transportation & Highways, on 1490 kHz at McKenzie Hart Highway Interchange, Allison Pass and Chetwynd, B.C.
- A carrier current operation (20 w on 650 kHz), licensed to the Simon Fraser Campus Radio Society.
- A change in frequency from 660 to 550 kHz for CFSM Halifax (St. Mary's University).

FM Radio

FM OKAYED FOR CIHI; COME-BACK FOR CFMX

- CIHI Fredericton, N.B., has won its bid for a country music station, 45 kw on 93.1 MHz. The licensee, Radio One Ltd., plans to operate 24 hours a day in stereo, and will develop local talent through sponsorship of musical talent contests and hour-long drama each week. It will be Fredericton's first private FM station.
- At Cobourg, Ontario classical music station CFMX-FM will resume its faltering existence, over the objections of a minority of CRTC commissioners. First licensed in September, 1976, CFMX had been on the air only intermittently during an 18-month period, due to a

EVENTIDE BD955 BROADCAST DIGITAL DELAY LINE



J-Mar Electronics announces a price decrease on the Eventide BD955 Broadcast Digital Delay Line.

The BD955 is the ultimate in broadcast delay lines, featuring Eventide's patented "catch-up" mode, which allows the program to continue in real time while objectionable program material is being cancelled. No dead air time, no necessity for filling the delay time with an announcement.

Call us for a demonstration.

CONFIGURATION	OLD PRICE	NEW PRICE
7.5 KHz Frequency response —		
3.2 second maximum delay	\$ 5,427.00	\$4,374.00
6.4 second maximum delay	6,966.00	5,427.00
15 KHz Frequency response —		
3.2 second maximum delay	6,966.00	5,427.00
6.4 second maximum delay	10,854.00	6,966.00



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crtc

series of technical problems, and the CRTC refused to renew the licence after September, 1981, opening up the frequency to other applicants. Two bids, both for country music formats, were made by Harold F. Abernethy and William Spenceley. However, consulting engineer Don Williamson, who also owns CHUC (AM) Cobourg, won the licence back, with the support of a vocal group of fanatics known as "The Friends of CFMX Citizens Committee". The CRTC stipulated that

Williamson must surrender the licence rather than make any change in CFMX's classical format.

Also approved was the use of SCMO (subsidiary communications multiplex operations) for specialized audio services to be supplied by Datamark of Toronto, and digital informational services to be picked up by cable TV systems in the Cobourg area.

Other FM decisions:

- SCMO approved for CHAY Barrie, Ont., also to include Datamark audio services.

- French-language CBC rebroadcasters approved at Digby, N.S. (980 w, 104.7 MHz, ex-CBAF), and St-Michel-des-Saints, Que. (466 w, 90.9 MHz, ex-CBF).

- Two French rebroadcasters approved at Champion, Que., 143 w, ex-CKAC and CITE-FM Montreal, licensed to Club Social du Nord-Est.

- Community station licensed at Pelly Crossing, YT, 1 w on 88.9 MHz, to broadcast in native/English languages.

- CHOZ-FM St. John's Nfld., denied use of second frequency (88.5 w on 95.7) to improve downtown coverage.

- CBC channel changes approved for CBX-FM Edmonton (from 93.3 to 90.9), CBOK-FM Kapuskasing, Ont. (89.7 to 105.1) and CBCC-FM Hearst, Ont. (91.7 to 91.9).

- CHIK-FM Quebec City granted change from 100 kw on 103.3 to 41 kw on 98.9.

- CJAZ-FM Vancouver granted change from 52 kw on 92.1 to 46,850 w on 96.9, with relocation from Saltspring Is. to Seymour Mtn., contingent on agreement with CBC to change frequency of rebroadcaster at Harrison Hot Springs.

- Legerbourg Inc. (CIGB-FM) Trois-Rivières, Que., granted transfer of 49% to Radio Mutuel, licensee of CJTR (AM), with Mutuel to provide technical and national sales support, plus some programming from CKMF Montreal and CHIK Quebec. Local ownership of remaining 51% interest is to be maintained.

Television

The following TV applications have been approved:

- CBC, for a French rebroadcaster at Fredericton, N.B., 4.2 kw on channel 19, ex-CBAFT Moncton.

- CBC, for use of vertical blanking interval closed captioning on the French TV network.

- CBC, for changes at CBEFT Windsor, Ont., from 78.7 kw on ch. 78 to 60.2 kw on ch. 54.

- CBC, for 10-watt rebroadcasters at Latour, Que. (ex-CJBR-TV), Two Hills, Alta. (ex-CBXT), and Blue River, B.C. (ex-Northern Service).

- CFCN-TV Calgary, for changes at Cranbrook, B.C. to 116 w on ch. 5.

- Kootenay Lake TV Society for 10-watt rebroadcasters at Crawford Bay and Willow Point, B.C., ex-CHKL-TV Kelowna.

- CanWest Broadcasting Ltd. (CKND-TV Winnipeg), for share transactions resulting in I.H. Asper and C.W. Schwartz holding equal control. (Control was previously held by Paul Morton.)

Cable Television

PAY-TV ADVANCING

A CRTC hearing scheduled for October 5 in Montreal will consider two applications for a regional French-language pay-TV service to cover Eastern Canada. Other regions yet to get a regional licence are British Columbia/Yukon and Manitoba/Saskatchewan/NWT.

A History of Innovation

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

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

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

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

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

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

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...Using technology for innovative information programming

Applications to distribute pay-TV services will take up much of the CRTC hearings during the coming months. Delivery may be on existing cable TV systems or over the air—Subscription TV (STV) stations using scrambled signals have become commonplace in many larger U.S. centres. Among the first STV bids to be heard in Canada are for Canning, N.S. (Cross Country TV) and several locations in Newfoundland (Bernard W. Hickey), where 100-watt stations would carry *Star Channel*, the licensee for the Atlantic region.

Cable systems usually apply to carry all available pay-TV services.

Both *C-Channel* (the national "lively arts" channel) and *Superchannel* (the regional services in Alberta and Ontario) have been aggressively signing agreements with local distributors. The major pay-TV network, *First Choice*, which holds the national mass-appeal licence, was slower to get off the mark and did not start signing distribution contracts until the latter part of August. It is expected that subscribers will be charged about \$15 a month for one service, \$25 for two, or \$35 for three; the wholesale rate paid by distributors is as low as \$7.50 a month.

At a recent meeting in Toronto, Steve Harris, president of the Ontario *Superchannel* service, predicted that within two years of the launch of pay-TV on February 1st, 25 to 35 per cent of homes with cable TV will subscribe.

NEW SYSTEMS LICENSED

The following new cable TV systems have been approved:

- Shellbird Cable, for Pasadena-Midland-S. Brook, Nfld.
- Fundy Cablevision, for St. Andrews; Grand Manan Is.; Bath-Bristol-Centreville-Florenceville; and Rogersville-Collette, N.B.
- E. Legresley for Nequac, N.B.
- Cablevision du Nord, for the Temiscamingue, Que., area.
- TV Giroux & Belair Inc., for Lac-Nominique/Bellerive-sur-lac, Que.
- Clear Crest Cable TV, for Cobalt, Ont.
- Trillium Cable, for Bancroft, Barry's Bay, Lakefield, Millbrook and Whitney, Ont.
- Timothy Rashotte, for Tweed, Ont.
- Pickering Cable TV, for extension to all of Pickering, Ont., including Seaton, a projected community of 75,000.
- Yahk-Kingsgate (B.C.) Community Assoc.

CAPTIONED PROGRAMS

A proposal by Canadian Cablesystems (Ontario) to discontinue open-captioned programming has been approved. Instead, the company will support the efforts of the newly-formed Canadian Caption Centre to develop closed-captioned programming and to make the necessary decoders available to hearing-impaired viewers.

CANCOM SUMMARY

As of June 30, the CRTC reported the status of Cancom licences stood as follows;

Total applications—	1,428
Withdrawn—	398
Decisions—	913
To be processed—	117

The commission invited applications for a further 202 communities (112 in Alberta, 68 in Saskatchewan, 16 in Newfoundland, 5 in Manitoba and one in Quebec).

Earlier data obtained by *Broadcast Technology* showed that of 794 decisions, 332 were approvals and 462 denials. The denials were mostly for locations where a competing application was approved, with some denied for financial or technical reasons, or because they were not for a remote/underserved area. An application by QCTV for 105 Alberta locations was denied when the CRTC ruled that the local organizations who would own the low power transmitters must also hold the licences.

A random survey of 80 approvals by BT indicated that most (49) were for low power transmitters, the balance (31) for distribution by cable. Monthly rates range from \$10-\$25.

Meanwhile, Cancom has applied to distribute the four U.S. TV networks, in addition to the authorized Canadian TV and radio signals. A public hearing is to be scheduled on this and similar applications shortly.

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msc newsletter

Remotes made easier



From Telfax, manufacturers of the most widely-used miniature phone remote units in North America, comes a revolutionary new unit for the professional broadcaster. TFX-131 features include:

- pushbutton dialing with memory re-dial
- LCD/Clock/stopwatch timer
- 4 microphone inputs, 2 auxiliary inputs
- tone oscillator
- closed circuit spotter channel
- instant compatibility with Low Frequency Extenders and other external audio processors
- custom engraved call-

letter nameplate

Even with all these new features, the TFX-131 control panel is uncluttered, with seldom-used controls hidden behind the easily-removed access/nameplate cover.

Telfax defies *Murphy's Law* with rugged electronics and cabinetry—plus built-in 100% back-up capability. An Ultra 80 miniature electronic telephone is included as an integral part of the TFX-131—it can be easily removed and used for emergency back-up, *totally independent of the rest of the unit!*

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Kahn AM Stereo on air

Radio stations KTSA San Antonio, Texas, and KDKA Pittsburgh, Penn., made history Friday, July 23rd, as the first AM stations in the world to broadcast in stereo—just hours after the Kahn AM Stereo transmitter received type-acceptance from the FCC. Twelve other AM stations equipped with Kahn equipment are ex-

pected to follow. When asked about the lack of AM Stereo radios to hear the new medium, Leonard Kahn, president of Kahn Communications said he expects a personal AM Stereo receiver to be marketed shortly. —NRBA release

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NEC FM Transmitters

NEC's design engineers know what broadcasters expect from an FM transmitter:

- Superb sound
- Exceptional reliability
- Competitive pricing
- Low maintenance cost

These objectives are achieved by incorporating the following features into all NEC transmitters:

- Fully transistorized up to 1 kW
- Only one vacuum tube used in 1 kW to 20 kW
- Broad band transistor power amplifier
- Highly stable cavity and mechanical interlock
- Harmonic filter is accommodated in cabinet

- All solid-state control unit
- Full electrical protection
- Low installation cost
- Easy maintenance
- Built-in remote control, including output power control and telemetry facilities

Canadian installations include VOXM-FM St. John's, Nfld., and CFNO-FM Marathon, Ont. At VOXM, Reg McCausland reports that in 2500 hours of operation to date, the NEC transmitter has been off the air only two minutes—to allow Hydro to replace a watt-hour meter.

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