

# BROADCAST TECHNOLOGY

NOVEMBER 1983



**CKSL MOVES TO LONDON CITY CENTRE COMPLEX**

## *Convention Reports*

**CCBE CAB/CCBA**

• **AAB** • **BKSTS** • **NRBA** • **OCTA** • **RTNDA**

**CJCH GOES STEREO**

On October 11, CJCH Halifax joined the growing list of Canadian AM stations broadcasting in stereo—the first in Atlantic Canada. Chief engineer Walter Labucki said CJCH chose the Kahn/Hazeltine independent sideband system after in-depth testing and research. Promotion includes giving away Sony SRF-A100 AM Stereo receivers. Even in mono, the station's sound is said to be brighter, with greater fidelity and dynamic range. (Most stations testing AM Stereo have experienced similar improvements in sound quality.)

**MORNING NEWS SHOW ON CFPL-TV**

An hour-long morning news show began on CFPL-TV London, September 19, 7:30-8:30 am. *FYI—First Edition* is hosted by newscaster Molly Connors, Jim Swan on weather and sports, and Michelle Dash, who, along with Swan, handles interviews and features. Producer is Carol Campbell, with Darrell MacInnis as associate producer, news. Dennis Kalichuk reports that 'as far as we know, CFPL-TV is the only private station in Canada doing a show of this type without network assistance'.

**CITY SEEKS FOUR MORE TXs**

CITY-TV Toronto has applied to the CRTC to expand its viewing area to western Ontario. Four transmitters would be built, as a cost of \$2.5 million, in:

- Woodstock (8,831w, channel 31)
- Brantford (4,379w, channel 34)
- St. Thomas (4,973w, channel 64), and
- Stratford (4,832w, channel 44).

A further bid for channel 60 in Ottawa was planned but has now been shelved.

General manager Dennis Fitzgerald says CITY, licensed as a distinctly local service for Toronto, has been successful in other areas, when carried on cable TV. The station wants to expand its coverage, but would not change its programming.

Engineering director Ron Reid told BT that CITY had opted for four lower-power transmitters in its application, in preference to a single high-power plant,

for reasons of economy and reliability. The plan calls for a 1 kw transmitter at Woodstock, with totally solid-state 500w translators in the other locations.

**CHSK: NEW CALL IN SASKATOON**

CJUS-FM, the University of Saskatchewan station, has changed its call letters to CHSK-FM. The station also plans to expand coverage via cable systems and to obtain CRTC permission to broadcast sponsored messages.

**ANOTHER FRENCH TV NETWORK?**

Following an announcement by the Department of Communications that \$75,000 would be spent to study the feasibility of a second private French TV network, Cogeco Corp. of Trois-Rivières said it may be interested in starting such a network. Cogeco owns the two television stations in Trois-Rivières.

**TVO TVRO USERS' GUIDEBOOK**

TVOntario has prepared a guidebook for users of TVROs (satellite-receive only dishes), entitled *Solutions to Satellite Receiving Problems*.

Director of engineering Bruce M. Read told BT that the book is based on a series of programs developed by TVO to run on a TI-59 programmable calculator. The programs are 'broadcast oriented' to the extent that they deal primarily with 12 GHz (Ku band) examples and provide guidance on the performance margins required for this band. 'The programs used to determine the precise times of Spring and Fall sun outages are, we believe, unique, in that they permit this somewhat complex computation to be performed on a desk-top machine.'

Copies are \$10 each, and may be ordered from Customer Service at TVO, Box 200, Stn. Q, Toronto, ON, M4T 2T1.

**ABC PREPARES FOR OLYMPICS**

ABC Radio reports it has shipped 'an arsenal of technical equipment' to Sara-

jevo in Yugoslavia for coverage of the 1984 Winter Olympics. Kent Coughlin, vp of engineering, says it will be 'the most demanding remote' ever tackled by ABC Radio, which will use six production areas at the broadcast center, and also take along two specially-designed studios. A technical operations center consisting of five equipment racks and interconnect frame will allow immediate access to all six remote studios and all venues, plus feeds to New York. The audio routing switcher distributes 100 separate inputs.

The Winter Olympics will be the proving ground for a new two-way communications system, also to be used for the Democratic National Convention in San Francisco, the Summer Olympics in Los Angeles, and the Republican National Convention in Dallas—all occurring within a few weeks in July and August.

**Other stations in the news:**

- Unionized employees of **Atlantic TV** voted to accept a two-year contract with increases of 10.5% in the first year and 5% in the second year.
  - The Film Council of Greater Columbus, Ohio, has presented an award for excellence to **CKND-TV Winnipeg** for its TV dramas, *Reunion* and *Hunting Season*.
  - **CJAD Montreal** has launched its own magazine, *The New Montrealer*, which it hopes to publish quarterly. Distribution of 200,000 is primarily through the *Gazette*.
  - On a more modest scale, **CHWK Chilliwack** published a 20-page tabloid which it distributed throughout its listening area to promote the station and local events.
  - **CHFI Toronto** will co-sponsor the Canadian Management Film Festival and Training Forum '84, March 27-29, at the Sheraton Centre, Toronto.
  - What's new, DAD? Digital Album Delivery—whereby newly released rock albums are broadcast via satellite in their entirety to affiliates of **ABC Radio**.
- And it's a Happy Anniversary to:
- **Access Alberta**, 10 on Oct. 17;
  - **CJRW Summerside, PEI**, 35 on Nov. 17. Manager Paul Schurman hopes for a power increase to 1 kw soon; and
  - **Jamboree**, pioneer country music show of **WWVA Wheeling, West Virginia**, which recently marked its 50th year.

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# State of the Art Studios for London's CKSL



Receptionist Bev Dutton in spacious lobby of CKSL Radio.

On August 29, 1983, CKSL moved into modern new studios at the City Centre complex in London, Ontario.

Among the most up-to-date in North America, the impressive facilities are part of a \$1.5 million investment by CKSL and City Centre (London) Ltd., who purchased the former CKSL building at 343 Richmond, where the station had been located since its inception in 1956. (The official opening ceremonies on September 13 included a symbolic 'smashing' of CKSL's old image, represented by a model of the elevator at 343—notorious for its labored performance...)

CKSL's principals, Captain Joseph Jeffrey and Vincent Regan, credit the late Roy Thomson, who made his early fortunes in Ontario broadcasting, with suggesting that London was ready for a second AM station. CKSL went on the air June 24, 1956, with a power of 5 kw on 1290 kHz, and in September, 1964, moved to 1410, increasing power to 10 kw. The first general manager was Lyman Potts, and Bob McAdorey was the first morning man. Also with CKSL from the start was director of engineering Bill Post.

Today, a staff of 40 is headed by Gord Hume, vice-president and general manager, who praises Bill Post and his assistant, John Gribbon, for a 'superlative' job in installing the new equipment on schedule, and on budget, in less than four months.

CKSL occupies 8200 square feet of space, located on the mezzanine level at City Centre, an office and shopping complex which includes Holiday Inn's 'flagship' hotel in Canada. Planning involved all departments and personnel. First, engineering developed the studio design, which includes four recording/production studios, and five 'talk' studios. Then the plan for the rest of the station was swiftly drawn in, approved by management, and turned over to the architects.

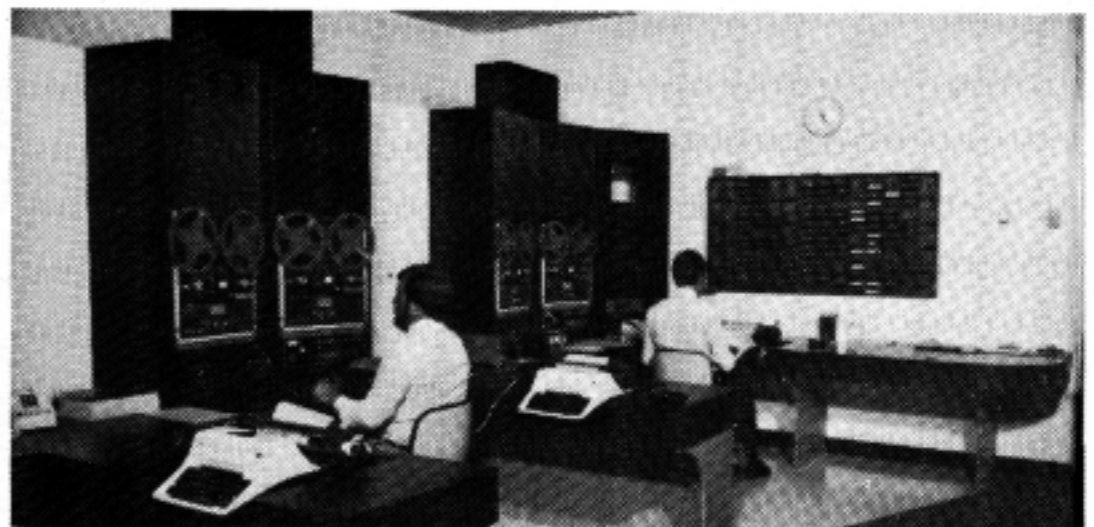
The choice of equipment was largely influenced by CKSL's experience with the original equipment from McCurdy Radio Industries—installed by then chief engineer Ron Turnpenny and Bill Post in 1956. After consideration, it became apparent that McCurdy still made the kind of contemporary, reliable and efficient equipment desired, and McCurdy sales manager Jon Young put together the appropriate package.

Hume says the move gave CKSL the opportunity to become one of the most technically-advanced radio operations in Canada. State-of-the-art facilities include:

- a sophisticated 2-way radio system that provides for paging, increased range for live news reports, and direct aircraft or marine reports;
- a UHF link for remotes, making telephone lines unnecessary;
- emergency studio-transmitter link;
- nine Studer tape recorders;
- two McCurdy consoles, providing the equivalent of 40-channel recording studio capability;
- provision for conversion to AM Stereo; and
- a totally integrated news operation.

A new 10 kw Harris transmitter was installed last year. (See Ad Lib! for photos of opening ceremonies.)

## BROADCAST TECHNOLOGY



Assistant news director George Gordon and Terry Scott at two of the five newsroom modules. News director is Al Gibson.



Music director Mitch O'Connor in state-of-the-art master control.



Production manager Steve Kelly operates in production control room.



Dick Joseph, assistant p.d., in master control room.



Program director Jerry Stevens, with Dick Joseph, Steve Jackson.

**stations  
in the  
news**

**CENTRE DE PRODUCTION  
ROLLING IN QUEBEC CITY**

Québec City's Centre de Production Télé-Capitale Ltée has been completed and with over \$1 million in orders, expects to meet an ever-increasing demand for commercial production in the eastern part of the province. Construction of the facility began June 15, 1982; initially planned for 22,000 square feet, it was expanded to 35,000. The \$4 million project was the subject of a *Broadcast Technology* cover story in September/October 1982, which provided full details of the facilities. In addition, a mobile unit is available for outside production.

**AUDIO  
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**LE PREMIER FM COUNTRY AU QUÉBEC / THE FIRST COUNTRY FM IN QUÉBEC**



Realization of local radio station CFIN-FM is cause for smiles all around. Seen holding coverage map and CRTC decision are (from left): Mayor Ernest Lafaille of Coaticook; Clément De Laat, station manager; Mayor Gérard Thibeault of East Hereford; Denis Maurais, regional industrial commissioner; and Michael Dougherty, technical director. Below is view of tower under construction.



The launching of CFIN-FM Coaticook, Québec, in October, marked the culmination of five years of determined effort by Clément De Laat, now manager of CFIN.

It was in 1978 that De Laat began his quest for a local station to serve this area of L'Estrie (the Eastern Townships), until then dominated by nearby U.S. radio stations which, naturally, lacked interest in catering to the audience in southern Quebec. It was soon discovered that the FM frequency of 104.5 MHz was reserved for Coaticook.

In 1979, another resident of the region, Michael Dougherty, teamed up with De Laat, bringing his experience in electronics and communications. This association was the starting point in applying for a licence from the Canadian Radio-television and Telecommunications Commission. Interest from the community was enthusiastic, as De Laat and Dougherty prepared their case: incorporation, studies of the market and listening habits, and a technical study based on 710 watts with Mont Tanguay as the transmitter site.

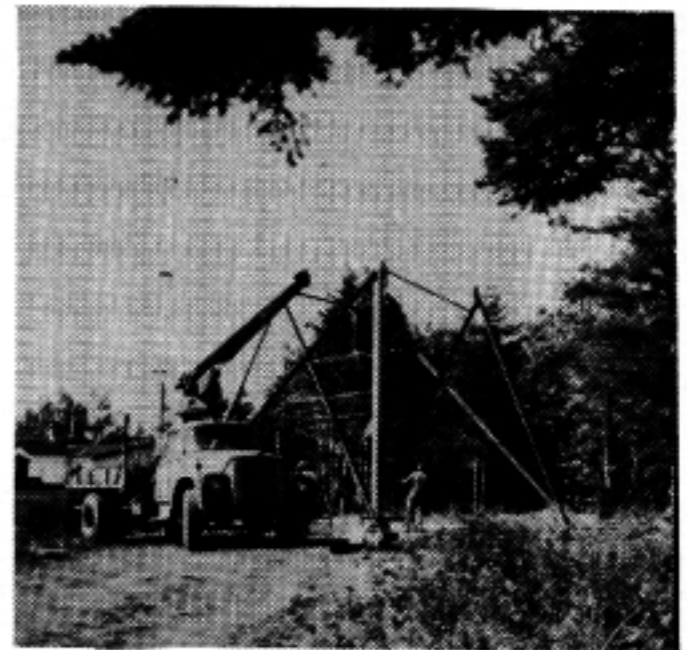
Support was also enlisted from the various levels of government and organizations in the region, and two significant agreements became part of the plan: one provided for free use of a tower

and site for 99 years from a local communications firm, in exchange for free publicity, while a second agreement with the town provided for free use of two rooms for two years.

The application was filed in the autumn of 1980 and went to a public hearing in June, 1981. A delegation of six from Coaticook FM Inc. was questioned for two hours. Four months later, the answer came: the CRTC had not been convinced that the project was realistic, and the application was denied.

Undaunted, the organizers began work on a second application. De Laat recalls: 'This time the approach would be quite different. First, the new station would have a completely new format, country & western, the first on FM in Québec. Second, the investment would be smaller and more realistic. Everything was underway for a second appearance in June, 1982. This time, it lasted longer and the questions were more complicated.'

On November 3, 1982, the CRTC approved Coaticook's radio station, and in February the call letters CFIN-FM were assigned. 'At last,' comments De Laat with well-earned satisfaction, 'the answer so long-awaited.'





by Bob Burger

## Highlights of Successful 1983 Convention

Well, with *your* fantastic support, CCBE did it!

The 1983 CCBE Convention and Trade Show turned out to be one of the most successful shows put on by your Association. We, of the Executive, are very grateful for the support of every individual and company taking part.

Since I am writing this report only one day after the Convention, I don't have any hard numbers for you, but Bruce Dingwall and Bill Onn tell me registration was up by over 30 per cent from last year. All of the exhibitors were happy with the amount of traffic generated at the Trade Show.

The papers were well attended, with Doug Allen and Marvin Crouch injecting humorous anecdotes into their comments. Ernie Mott's paper on corrosion problems with tower guy anchors and bases made many of us, with stacks over 20 years old, think about potential problems.

Richard Cupka's seminars were both hard-hitting and excellent, as usual. I think he has most of us broadcast engineers pegged, regarding our personality traits.

The Attitude Adjustment reception was well-attended, and we would like to thank all the companies who contributed to its success.

The Awards Banquet turned out to be one big party! *The Remnants*, a 5-piece Oktoberfest-type orchestra provided the entertainment, and much dancing was done by all.

Rick Turner of Hitachi Denshi was the winner of one of our two major door prizes—a complete high quality Technics stereo package, donated by CHYM and CKGL-FM Kitchener—and Kurt Arseneault of CHNS Halifax won the other prize—a color TV donated by CHIN Radio.

### Awards

• For many years, the CCBE have been working on the establishment of a Bursary. The fund's purpose is to financially support prospective broadcast engineers, through tuition grants for students attending recognized electronic engineering schools. This fund will be in place for 1984 and will have charitable tax donation status. This will allow all segments of the broadcast industry to contribute to the future development of technical staff.



One particular company stands alone for long-term support of Broadcast Engineers: McCurdy Radio Industries set new standards in the 50s, revolutionizing the broadcast console and control room. And each year at the conventions, George McCurdy has provided coffee (even tea and orange juice) for those much-needed breaks from hard seats during sessions. George has always supported the CCBE, and his quiet, consistent leadership has inspired us all. The CCBE announces the establishment of the **George McCurdy Bursary Fund**. A scroll was presented to George, who received a standing ovation when the announcement was made at the banquet by Paul Firminger, president of the CCBE.



• This year's recipient of the **Engineer of the Year Award** was Stu Clark, retired engineer of CKLW-TV Windsor, ON. He was selected by his peers for making a significant contribution to broadcast engineering. Stu started his career with John Beardall at CFCO Chatham in 1929. In 1930, he moved to CJGC London, owned by Arthur Blackburn, where he stayed for two years. He then moved on to CKTB St. Catharines, which shared a transmitter (and frequency) with CKOC Hamilton; the late Les Horton, then chief engineer

of CKOC (and 1980 recipient of this Award), realized he had a technician who like to experiment, and moved Stu to the transmitter site. There, in 1936, he designed and built a pulse-modulated 'ham' transmitter, and in 1937 built a Dougherty transmitter. Later that year he moved to CKLW, where he remained until his retirement; in 1949, he installed CKLW's 50 kw RCA AM transmitter, and moved to CKLW-TV in 1953.

Stu was presented with a sculpture in Italian marble, entitled *Northern Geese*, by the Canadian artist David Bernett.

• Mel Crosby of Pineway Electronics Ltd. was presented with this year's **Safety Award**. Mel and his company have supported our safety booth every year since its inception. (I hope you all took advantage of having your business card laminated with the now-famous *Hill Street Blues* phrase, 'Hey, let's be careful out there!')



Warren Parker of CKTB did his usual great job of setting up and operating the CCBE safety booth, and the presence of the charming hostess was especially appreciated.

The Executive would like to take this opportunity to thank Doug and Jacquie Loney of *Broadcast Technology* for their continuing support of the CCBE.





# CCBE Central Canada Broadcast Engineers

## News of the Industry

• RCA Broadcast has completely closed up shop in Canada; MSC Electronics will now be the representative for all RCA lines, including replacement parts.

• Continental Electronics have announced a non-exclusive arrangement with Pineway Electronics to promote and sell Continental equipment in Canada.

• AM Stereo seems to be plugging along, with more stations adding systems each month. There is still a lack of AMS receivers available to the public, so I think it is going to take some time before AM Stereo really makes its mark in the market place.

On September 29, Delco Electronics announced that General Motors' Buick division plans to introduce AM Stereo radios in selected 1984 models—believed to be the first such announcement by any auto manufacturer, foreign or domestic. The radios Delco will build for Buick will receive AM Stereo signals using a C-Quam decoder integrated circuit.

### Lightning Strikes—Twice

• Larry Smith reports that on July 31 at about 3 am, the STL tower at the CJOY and CKLA-FM Guelph studios was hit by lightning. The stations lost about 95% of the equipment that contained C-MOS devices, and it took three technicians over two weeks to restore things to normal operating conditions.

On the morning of August 30, CKLA's broadcast tower south of Guelph was hit by lightning, burning out the bottom bay of the 6-bay antenna, the input matching stub and about 10 metres of co-ax. An emergency antenna was rigged up with

a height of 8 feet and power of 2,000 watts. Later, the riggers moved the emergency antenna about 100 metres up the tower, and CKLA ran that way until new parts arrived three days later. Larry says that all in all, it wasn't a bad signal in the downtown area, considering normal height is 400 ft. with 50 kw power.

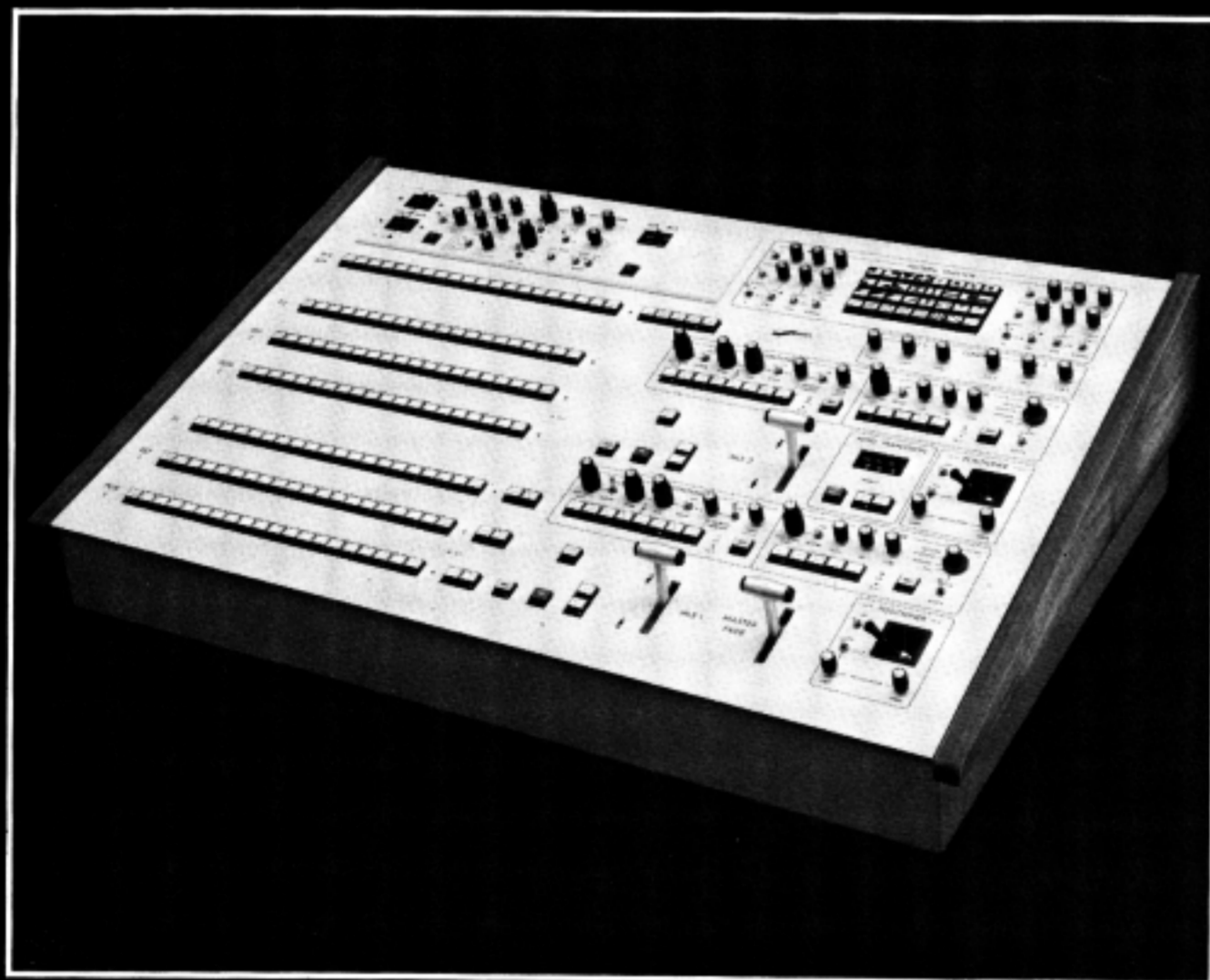
### Safety Reminder

• On September 13, Jeff Guy of CJBK London had an accident at the transmitter site, resulting in a 6,000 volt DC shock. After spending two hours in the hospital and 12 hours sleeping at home, Jeff was fine. As past president of CCBE, Jeff was a key participant in our Convention and Trade Show and it was good to see he had not suffered any ill effects from one of the ever-present dangers we all must contend with at our transmitter sites.

I hope all those who attended enjoyed this years Convention, and that you'll mark down the dates for next year: Sept. 25-27, 1984, in Toronto.

As the holiday season approaches, the Executive of the CCBE would like to wish you all a Merry Christmas and a Happy New Year!

*Bob Burger is publicity chairman for the CCBE and may be contacted c/o CHML, 848 Main Street East, Hamilton, ON, L8M 1M1, telephone (416) 549-2411.*



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# BROADCAST BEAT

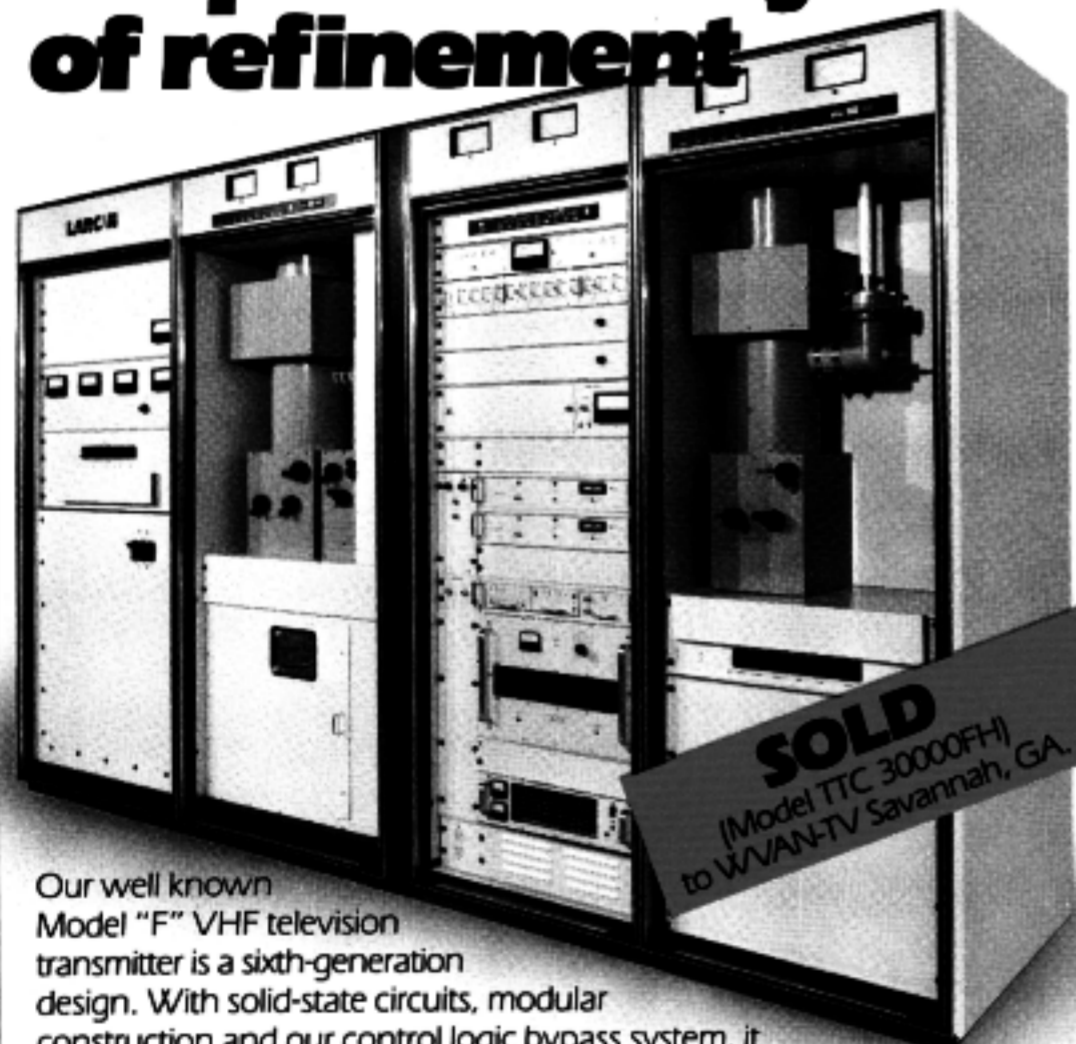
by **Phil Stone**

It is estimated that by next year, TVRO dishes could sell for as low as \$1,000. One guess is that in Canada, about 18,000 dishes are in operation...This has been a year in which many broadcasting people have passed away. We're sorry to add the names of **Bill Sheehan**, deputy chief of the CBC-TV network sports department, and **Allan Small**, who died of cancer at 53—he had worked with CKFH, CFRB, and CBC, and starred in many programs...Polaroid, now marketing its videotape cassettes overseas, expects to put them on the North American market early in 1984...**Earl Warren** wound up at CING-FM Burlington, on-air from 9 to noon...In CFTR's shake-up of its program day, **Rob Cowan** separated from the station...CHOO Ajax salesman **Cal Gardner** is a one-time NHL star who played with New York, Toronto, Chicago and Boston. Cal's two sons, Dave and Paul, are both professional hockey players...Edmonton's Macdonald Hotel is closed until the summer of 1985 for a \$40 million facelift...Our CKO human rights program *Meet Your Neighbour* was nominated by executive editor, **Howard English** for a League for Human Rights Media Award...Hard to believe, but it's 26 years since I had the pleasure of giving then 16-year-old **Paul Anka** his first radio interview in Toronto. Since then he's recorded 192 albums.

CKO moved **John Gilbert** to the 9 am shift and placed **Ian Brownlee** in the 6 to 9 a.m. slot...**Johnny Lombardi** added **Leslie Cunnian** as CHIN p.r. director...**Len Moore**, former president of TvB, is now with Folio Advertising...**Bill Sheppard**, the veteran newsman and former Humber College instructor, became p.r. director for the Variety Club in Vancouver...**Daryl Duke**, back in the 50s, produced the 5-pin TV bowling show we hosted free-lance for CBC. Today he's chairman of CKVU-TV Vancouver, recently overhauled to project a look of excitement...CFRW is now at 1445 Pembina Highway, Winnipeg R3T 5C2...Much of CTV's footage from Washington is filmed by **Allan Lawrence**, formerly with CKY...An announcer on Radio Moscow's international English-language service who implied that Soviet troops were the villains in Afghanistan was, as a result, placed in a psychiatric hospital...In October, our weekly interview program *Arts in Ontario* started its 9th year with a new theme produced by Computer Music International of Toronto. Run by **Frank Daller** and **Brad Donald**, CMI is a busy shop, supplying beds for just about everything, as computer-produced music rapidly takes hold...Ran into **Paul Ianuzzi**, executive vp of MTV, Toronto, who reminded us that we first met in 1959 when he came to Toronto from Montreal. The occasion was a press conference to which we were invited by one of the nicest, capable public relations people around, **Alan Schwartz**. The do was to introduce MTV's *Video Singles*, a new daily show which features video records by top artists. **John Major** handles announcing duties—Alan describes him not as a DJ but as a VJ: Video Jock. It's a show with a lot of pizzaz and should score well with interested viewers...At MTV, we met the most pleasant, charming and lovely **Tracy Keizer**, who handles promotion-marketing for Solid Gold Records...When the producer of the *Don Harron Show* heard our youngest son Glen, an anchorman with CKO News, doing his daily *Science File* program, he contacted him to do two segments on the program, and any father in the audience will appreciate our pride...CFRB signed **Wally Crouter** for another four years—and the *Royal Canadian Air Farce* began its 11th year on CBC Radio...*Billboard* reports a big return to Top 40 Radio in the U.S. on AM, while major league baseball has turned more to FM which continues its upswing...**Monique Coupal**, appointed a full-time member of the CRTC (seven-year term), was formerly special assistant to Health Minister **Monique Begin**...

CFTR replaced long-time morning man, **John Landecker**, who returned to his native Chicago, with **Tom Rivers**, who held the same position with CHUM...**Russ Patrick** who co-hosted CBC-AM's *Sunday Morning*, moved to *The Journal* as arts and entertainment editor...**Deborah Burgess** moved from Global to CITY-TV to take over the daily show *You're Beautiful* which had been hosted by **Micki Moore** who quit after seven years. Burgess is also doing some pieces on *Citypulse News*...CTV's *Canada AM* added a half-hour at 6:30 of news, sports and weather...The Canadian Cable Television Association will hold its 27th Annual Convention and CABLEXPO at Ottawa's Congress Centre next June 11-14...**Barry Kieff**, a one-time announcer-operator with the Northern Service, became the CBC director of audience research, succeeding **Arthur Laird** who retired...Why did **Ralph Snelgrove** sell CKBB/CKCB? Big reason was that his offspring are not interested in broadcasting; 70 next year, Ralph was born

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## BROADCAST BEAT

in Catalina, Nfld., and started in radio sales at 20...**Ted Randal** keeps busy—not only does he run CKAN Newmarket, but he has also formed Canadian Program Supplies, and is providing the *Dick Clark National Music Survey* to several radio stations...We're back teaching broadcast management at Conestoga College for **Gary Parkhill**...The passing of the great **Ted Reeve** reminded us of our early days doing sports on CHUM; the 'Moaner' gave regular space to **Hal Kelly** whom he dubbed 'Nephew Hal' and to this writer, whom he called 'Phillibus'...It was raining the day we arrived in New York to take off for our tour of England, Scotland and Wales. Standing under an awning with a friend while our wives shopped, we were joined by two men who also were seeking to escape the rain. One of them was **Doug Thomson** in town to see ABC. 'Good Lord,' he exclaimed, 'there must be 12 million people in New York and we meet like this'...CJSB became the capital's first AM stereo station—is also the only one with aerial traffic reports...Humber students doing well: **Ivar Hamilton** of CFNY-FM holds the exotic title of Import Music Director; **Paul Fisher** of CHFI is hosting Sunday night Big Bands, among other assignments...**Bill Cameron** departed from CITY-TV News and was replaced on the station's 10 pm newscast by **Gord Martineau**...CFRB's **Dave Onley** and his wife Ruth Ann are infanticipating...A new TV set capable of turning screen images into hard copy black and white pictures has been developed by Mitsubishi...**Diane Shearham** left Rogers to become chief accountant at CFRB...**Earl Dunn** is recuperating from two operations...Congratulations to CFRB's **Wayne Van Exan** on receiving Civitan's highest honor—the International Honor Key, a gold key containing 12 pearls. Only six Canadians have received the key during Civitan's long history...At CKO, newsman **Grant Forsythe** joined the staff; **J. Michael Phillips** left to manage a computer

store; **Bernie McNamee** was given a talk show; and **Lou-Anne Nicholson** is a copywriter.

Back in the 50s, I was often hired by the studios to appear as m.c. for movie stars who came to Toronto to promote their films. One time when **Richard Todd** came to promote *Dam Busters*, the studio decided to give **Richard Scott** the opportunity of introducing the star. It turned out that Scott was a good head taller than Todd, who refused to go on unless a shorter m.c. was obtained. The studio p.r. man called and begged me to bail him out. He sent a cab for me, and with Todd, we drove at top speed, preceded by a police motorcycle escort to the Eglinton Theatre. We raced up Toronto's Oriole Parkway which is crossed at one point by a railway track. It was seldom-used, but Todd didn't know this, was horrified when we raced through, and buried his head in my chest. I told the story whenever his name came up, and when he later came to appear at the Royal Alexander he told the yarn in the theatre's programme. In August, while in London, England, we noticed he was appearing in *The Business of Murder* one of the finest plays we have ever seen. I sent a note backstage and he returned it immediately with an invitation to join him in his dressing room. There he opened a bottle of wine and we spent an interesting, convivial hour chatting with him. He hopes to bring *The Business of Murder* to Canada, and if he does, be sure to see it...French immersion for even the youngest of children is now common and perhaps particularly so in Ottawa. We went there to see my son Jay who is an assistant city editor at the Ottawa Citizen, his wife Sandy, and son Ben who is five. He goes to junior kindergarten, and when my wife asked him what he was learning, he replied, 'I'm in French Emergency.' He is the same tad who says that Pierre Trudeau is Canada's 'Fried Minister'...

In the U.S., Sony's AM stereo receivers sell for \$89.95...**Andy Barrie** is now at Global TV hosting the Saturday night news with **Bob McCown** or **Jim Tatti** on sports; **Mark Arkin** is largely responsible for McCown's nightly sports program...**Jim White**, food writer for the *Toronto Star* has become a regular on CBC's *Marketplace*; he previously had a show on CJCL...Among speakers at a York University conference for Ontario's campus broadcasters: **Steve Harris**, president of SuperChannel Ontario; **Jamie Crookston** of CKFM; **John Ioannou** of CKEY News; and **Jon Young** of McCurdy Radio Industries...**Alex Frame**, previously at CBUT Vancouver, became p.d., CBLT Toronto.

*John McKay's Journal* is a new daily feature of BN Voice by its senior correspondent in Ottawa. Newsman McKay has also produced *The Trudeau Years*, three 20-minute segments designed for use when the PM bows out. And from **Howard Christensen**, executive assistant at BN, word of recent changes at the news service: **Jim Poling** to editorial director, Toronto; **Phil Adler** to business manager; **Wayne Waldroff**, who joined BN from CJSS Cornwall in 1981, to supervising editor, audio; reporter **Kate Bouey** to Ottawa, replacing **Peter Ray** who is taking a 9-month leave of absence to enter the Journalists in Europe program. Joining BN are: **Roger Ward**, ex-CJAT, CJOR, CKDA and CFTR; **Anne-Marie Tobin**, a recent journalism grad from U. of Regina; **Mary Ann O'Rourke**, ex-CHAY-FM; **David Mauchan**, a journalism MA who's been with the *Regina Leader-Post*; and **Dean Beeby**, a history MA from U of T...Gordon Hill Advertising moved to 3908 Yonge St., #4080, Toronto, 481-3421...**Barbara Sheffield** of the Ontario Arts Council became president of the Canadian Public Relations Society, Toronto branch...And **John Peters** is president of the Business/Professional Ad Association; a vp is **Charles Laws**, also of CBC...At Kingston, title of vp, operations, went to **Bill Hurding** of CKWS and **Cam Shillington** of CFMK-FM...**Ron Bruchet** left CJSN-FM Edmonton as gsm to go with rival CKXM-



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FM...**Jim Hook** is now in sales at CHEX-TV Peterboro... Buzz around TO is that **Harvey Kirck**, tired of night work, will not renew his CTV contract... Back at CITY-TV News are **Warner Troyer** (again), with daily Ottawa reports, and former world class athlete **Debbie van Kleeckebelt**. Hired also is **Dan Richler**, for the entertainment beat... Absent from CTV's west coast news reports: **Genevieve Westcott**, said to be checking out a TV job in New Zealand... CJCL Toronto switched to the *Music of Your Life* format... **David Pritchard**, formerly with CHUM, has developed a 30-hour special, *The Beatles: The Days of Their Life*... CKEY Toronto denies it planned to hire **Jim Brady** as p.d. to replace **Jim Kidd**... Radio-Canada's version of *The Journal* is called *Le Point* ('summing up')... Global TV dropped the **Johnny Carson** show when ratings didn't meet expectations... Carson has been booked to host the 1984 Oscar Awards... **Monty Hall** has a new syndicated game show, *The Joke's on Us*, with four guest comedians each week... Ad Club of Winnipeg has **David Connell** of CFRW as 2nd vp, **Roger Thenhaus** and **Faye Margolis** of CKND-TV directors... *Entertainment Today* is now on 51 Ontario radio stations, up from 13... CTV has signed a \$1 million contract with the Canadian Figure Skating Association and eight corporate sponsors to broadcast figure skating over the coming year... Nielsen says 553,000 Canadian males watched the average *Blue Jays* game this past season... Wedding bells at CFRB for **Peter Henderson**, copy chief; also for newsman **Paul Rogers**... A compact version of the audio disc player, for cars, has been developed by Philips; it uses a laser beam to read a 12 cm disc, should be on the market in 1985 with a portable version later... **Susan Marjetti**, ex-CFRB, now at CHNS News in Halifax... **Ray Sonin** celebrated 25 years on CFRB's weekly *Calling All Britons*... And **Ron Dewar** left RB for CJSB Ottawa... **Murray Johns** left CFGM sales for CFRB... **Kevin Nelson** handles the morning show at CHFM Calgary... Sinclair Research of Britain aims to start producing a flat-screen TV set by year-end at Dundee, Scotland, and to sell a million of them a year by mail-order... Those pear-shaped female tones you've heard on British Airways' TV adverts belong to none other than **Julie Andrews**... At CFGP Grande Prairie, **Sig Reuter** became p.d., **Dean Summerfield** ended a 5-year retirement to take over as breakfast host... At CKAY Duncan, **John Fischer** came from CISW to sports and sales, while **Mitch Drew** came from CHUB to work on-air and in sales...

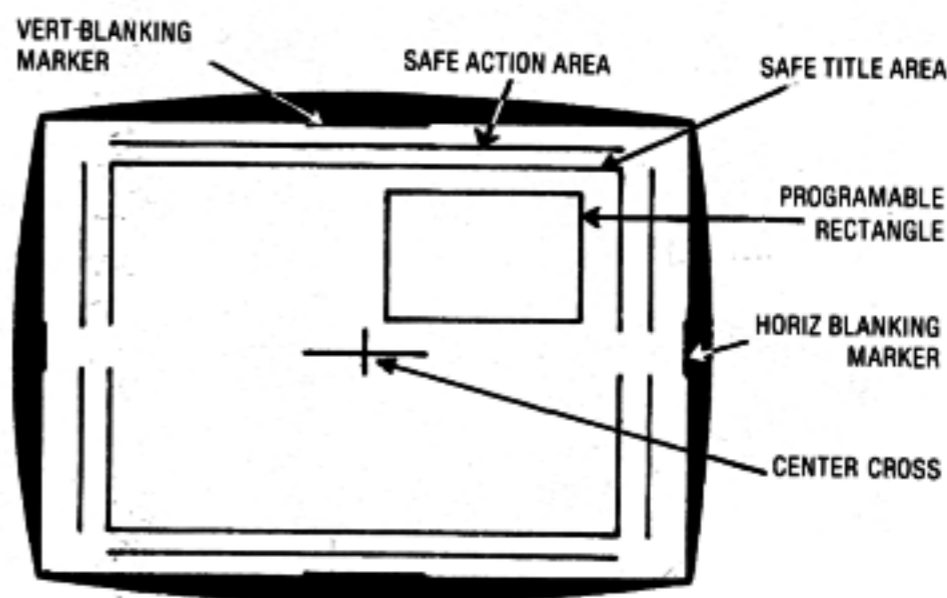
Hollywood's annual output is now about 200 movies a year. Home Box Office needs 450 a year—has purchased 60-plus Canadian features, pre-bought 22 more and co-produced over 20... Canadian TV shows are seen in some 80 countries; among the big ones—Calgary-produced *Magic Palace*, *The Littlest Hobo*, and *The Nature of Things*.

CBC-AM says it won't go with AM Stereo because, according to **Margaret Lyons**, vp, Radio, most programming is news and talk... CFGM Toronto has a team doing its morning show: **Wayne Mathews** and **Brian Barker**, with **Big Jim Marshall** moving to afternoons... The death of popular Radio-Canada host **Pierre Chouinard**, 54, came as a shock to all... New CTV sales executives are **Nancy Cunningham** on network sales, new business, and **Joe Carter** on sports properties... **Shari Ferris** became vp, retail and co-op, at TvB... New logo for the Telecaster Committee was designed by **Stephen McIntosh** of the CKVR-TV Barrie art department... **Sandra Radick** left the Radio Bureau to return to Standard Radio, this time as sales rep; previously, she had been research manager... **Rob Dilworth** is now research/marketing director at Paul Mulvihill Ltd. He was an account exec at BBM... DOC commissioned a Montreal consulting firm to study the feasibility of a third French-language TV network. One rationale: it would temper Francophone viewing of English TV... Maclean-Hunter have launched a business news ser-

vice, *The Financial Post Report*, via Newsradio. Ten 2-minute reports by **Arnis Peterson** and **Frank Touby** originate from production facilities installed at the new M-H building in Toronto and are carried weekdays by 11 stations in 9 markets... Director of sales and marketing for Attic Records is **Lindsay Gillespie**, ex-CFNY... New station in St. John's, Nfld., is CKIX-FM; it has a country format... **Earl McRae**, who was involved in some bitter wrangles with **Harold Ballard** when he was on sports with CJCL, joined CBLT sports... **H.T. 'Mac' McCurdy**, president of Standard Broadcasting since 1974, is now deputy chairman and chief executive; **Montagu Black** is chairman. **Lawrence M Nichols** became president and chief operating officer... **Bob Collies** ex-CHUM and Via Rail, is now marketing director for Park Avenue Communications... **Libby Znaimer**, senior correspondent for Global News, and sister of **Moses Znaimer**, worked in U.S. TV and was with AP in Israel... **Brian Mulrone** named **David Crombie** as communications critic; deputy is former broadcaster **Geoff Scott**... Where's **Joel Aldred** these days? He's semi-retired and living in Port Perry, northeast of Toronto... CFTO news reporter **Jacquie Perrin** continues to display the good looks that made her 'Miss Argo' in 1968... **Bill Hutton**, the top CFRB newsman who became Selkirk's Ottawa news director, is gm of CFNY-FM, now owned by Selkirk... **Bill Hewitt** is back on the air with a syndicated series, *This Date in NHL History*—to run 3-minutes, 7-days a week for 26 weeks, on some 80 stations across Canada... An actor I know just got back from the west coast. Says there's one good thing about Hollywood—you can starve without an overcoat...

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## AD LIB!

CKSL opened their beautiful new premises in London, Ontario on September 13th, with a gigantic celebration (*see article this issue*). Tours of the new premises included **Gord Hume's** super deluxe office. Love your fireplace, Gord, seems this masterpiece had been hiding under layers and layers of paint. Why do people do this to something so beautiful? Then there were the pictures, primarily of Gord with absolutely gorgeous girls. I didn't realize you were so involved with Miss London, Miss Canada and Miss Universe pageants, Gord. Miss London last year went on to win the Miss Universe contest, and yes, she really is lovely. If you want to be involved in something, what could be better for a handsome eligible bachelor than the aforementioned contests? Eat your heart out guys, these gals love Gord. Now to get on with the opening—a neat and unusual idea was the white paper lining the entrance to CKSL (about 9' x 16') autographed with signatures and good wishes from all present

in bright felt pen colors. I suppose lining the wall with paper was a good idea, one doesn't really want their new walls autographed by millions of people.

There were many familiar smiling faces, check the photos. A brief rundown from left to right: we have the beautiful Miss Universe cutting the tape, which came all the way down the hall from the studios to the ballroom where the reception was held. (*Can't you just picture someone using the wrong tape?*) Next is Gord physically destroying a mock-up of their old office elevator. Anyone who had visited their former premises will remember the elevator ride—it helped if you took along lunch. Of course engineering was well represented. **Bill Post** of CKSL, **Jim Plant** of CFPL, **Ron Turnpenny** of Rogers and **Paul Firminger** of CHYM and many, many more. A job well done, Gord. All good wishes to you and CKSL.



NRBA was held in fascinating New Orleans, Louisiana this year, October 2-5. Timing unfortunately conflicted with CCBE—I was really looking forward to a return visit to New Orleans. I love Toronto, but somehow we manage to get to Toronto far more than New Orleans! Word from our good friend **Joe Novak** of Delta Electronics indicates that NRBA was especially well attended. **Sandy**, Joe's prettier half, reports that the *Ladies Day* was especially good: a cruise on the Mississippi and visits to some of the old plantations. (I wonder how we could arrange a Ladies Day program like this for our Toronto conventions?) Joe also mentioned New Orleans' streets are in a state of chaos with the *World's Fair* being held there next year. No, he didn't mention the food. Good thing, I gain weight just hearing about their fantastic food. Thanks for the report Joe, we missed your smiling face and latest jokes up here at CCBE.

From **Joe Sunday** of Arri/Nagra: 'Hi boss! I finally got around to writing my BKSTS article for you. Please feel free to edit however you wish, because I found it somewhat difficult to change my 'business' style to something more casual and journalistic—I won't feel offended at all (but Suzanne may!) Joe covered BKSTS in England for us this year (*see Associations*). Thanks Joe—I love your 'Hi Boss'—sure gives one a feeling of importance.

**Johnny Lombardi's** latest letter starts off with: 'Hi Kids'—now I ask you, who could help but love this guy! If you're too young to relate to this, wait another 20 or so years!

# appointments

• Astral Bellevue Pathé Inc.—recent appointments in Astral Film Productions division include: **Claude Heroux**, to director of production, with **Joel Greenberg**, assistant; **Dan Redler**, previously with Glen-Warren Productions, CTV, Neilsen-Ferns and CBC, to director of program development, television; **Paul Bronfman**, to production administrator, television. In the newly-formed Video Operations division (Astral Video and Pathé Video), **Isar Klaiman** is vp and gm; and **Perry Jameson** is gm, Pathé Video. In the new joint venture with 20th Century Fox Telecommunications, EPS Entertainment Programming Services Ltd., **David Jackson**, previously a vp of CITY-TV Toronto has been named vp and gm; **Gerald Ross** is vp, French services; and **Earl Weiner** is national syndication manager.

• Attic Records—**Lindsay Gillespie**, previously with CFNY-FM, appointed director of sales and marketing.

• CBC-TV—**Mark Blandford**, executive producer, drama, CBC-TV, named 'Great Montrealer of the future' in TV field.

• CFRB Toronto—**Kenneth W. Whitelock** to general sales manager.

• Crown Int'l.—**R. David McLaughlin** appointed marketing services manager.

• Conrac Corp.—**Warren O'Buch** named president, Conrac division in Covina, CA. He was with Hewlett-Packard before joining Conrac in May 1982 as director of marketing.

• Delta-Benco-Cascade Ltd.—**Ron Lawson** named vp broadcast division; **Terry Brown** becomes director of sales; **Brian Petrovic** is manager of engineering. **Heinz Peters**, formerly sales manager, broadcast products, has now retired.

• EECO Inc.—**George Treñer** named marketing manager, video products.

• Eimac—**Chris Cane**, previously with Varian Canada, becomes product manager; **Peter Foulger** appointed Canadian area sales manager.

• Harris Corp.—**John A. Hubner** appointed corporate controller.

• Key Radio Ltd.—**Douglas C. Trowell** named president; **Michael Mangialardo** becomes vp/gm of 590/CKEY Toronto.

• Moseley Associates—**Weldon Squyres**, formerly of Ampex Corp., named manager, international sales.

• Siecor—**Thomas J. McMahon** named applications engineering manager, optical cable.

• Standard Broadcasting—named as vice-presidents are: **E.J.(Ted)Billo**, Bushnell Communications, Ottawa; **W.E.(Bill) Hall**, CFRB Toronto; **Peter E. Shurman**; and **Wm. R. Ballentine**, CKFM Toronto.

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For further information contact Studer-Revox Canada, Ltd., 14 Banigan Drive, Toronto, ON, M4H 1E9, (416) 423-2831, or circle #1 on Reader Service Card.

## new products

### NEC SPC-3 CCD COLOR CAMERA

The SPC-3 CCD color camera with universal interface to 1/2 and 3/4-inch tape format has been announced by NEC Broadcast Equipment Division. Heart of the new system is the NEC-developed 2/3-inch charge-coupled device. Three of the OCD image sensors are used, two for the green channel alone, and one for the combined red/blue channel. The dual green system, which can be realized only with a mechanically locked registration system, is reported to provide much higher resolution and sensitivity than can be obtained from a conventionally-structured RGB system. The solid-state operational characteristics provide accurate and permanent registration, free from geometric distortion and from burn-in.

The SPC-3 camera interfaces directly with 1/2-in. Beta and M tape formats, as well as with 3/4-in. U-Matic. An optional 1/2-inch VTR may be attached to the back of the camera to provide a camera-VTR ENG system. The camera measures 3.9 x 9.1 x 15 inches and weighs 7.3 lbs.

For further information: Camartron Communications Inc., 236 Yorkland Blvd., Willowdale, ON, M2J 4V6, (416) 494-6978, or circle #11 on Reader Service Card.

## LEAD ACID BATTERY SAFETY KIT



This new Safety Kit, made in Canada, is designed to provide maximum protection for anyone working with lead acid storage batteries. It contains a full length PVC lightweight apron, heavy-duty rubber gauntlets, and a clear plastic face shield. These should be worn at all times when handling, filling, charging or repairing batteries. Also included is an eyewash bottle to be used in case of acid splashes to the eyes, as a portable eye bath for immediate emergency treatment until proper medical attention is available. A plastic bucket is also provided for mixing baking soda to neutralize any acid spills, together with an initial supply of baking soda and paper towels. These safety items, along with a poster 'Procedures for Maximum Battery Safety and Long Life' are packaged in a convenient and sturdy steel carrying case.

For further information contact Gould Manufacturing of Canada—Battery Div., 275 Lewis St., Fort Erie, ON, L2A 5N6, (416) 871-5600, or circle #9 on Reader Service Card.

## HEARINGS

The following hearings have been scheduled for the remainder of 1983. Those planning to attend should verify details as it is sometimes necessary for the Commission to reschedule hearings.

<b>Nov. 14: Montreal, PQ</b>	Parc La	Regente
<b>Nov. 14: Winnipeg, MB</b>	North Star	Inn
<b>Nov. 14: Edmonton, AB</b>	Chateau	Lacombe
<b>Nov. 17: Sherbrooke, PQ</b>	Auberge des	Gouverneurs
<b>Nov. 17: Regina, SK</b>	Seven Oaks	Inn
<b>Nov. 29: Vancouver, BC</b>	Sheraton Plaza	500
<b>Dec. 13: London, ON</b>	Best Western	Lamplight Inn
<b>Dec. 13: Vancouver, BC</b>	Hyatt	Regency

## DECISIONS

### CROSS-OWNERSHIP RULINGS

In dealing with four cases of daily newspaper/broadcast cross-ownership in the same market, the CRTC has, in each instance, extended the broadcast licences. The Commission had been instructed by the federal cabinet to review the cross-ownership issue and disallow cross-ownership unless there were 'overriding public interest considerations.'

- London, ON—licences of CFPL AM-FM-TV extended for full five-year term; the CRTC concluded the market has been well-served by London Free Press Holdings.
- New Brunswick Broadcasting (CHSJ AM-TV Saint John), owned by the Irving family, who also own the Saint John daily newspapers, renewed for three years. CRTC acknowledges that licensee still needs to make some improvements.
- Cablevue Ltd, a Belleville cable company 50% owned by Thomson, who also own the Belleville daily newspaper, renewed for five years. CRTC satisfied that co-owner Manville Holdings (50%) has effective control of Cablevue.
- CFCN Communications Ltd (CFCN AM-TV, CFVP Calgary) owned by Maclean-Hunter, who also own 49.7% of Toronto Sun Publishing Corp. (Calgary Sun), licence renewed. CRTC satisfied that legal agreement between TSPC and M-H puts restraints on M-H control of the Calgary Sun.

### BROADCAST TECHNOLOGY

## AM Radio

### OCEAN PACIFIC GETS OK

Ocean Pacific Broadcasting Inc. has received a licence to operate a station in Vancouver at 50 kw day/10 kw night on 540 kHz. Ocean Pacific proposes 50% spoken word content, based on a special theme day concept which would draw upon the expertise of specialists, rather than rely on the traditional open-line format. An additional 10% will be allotted to news, 55% of it on items of local or regional interest. Music will be country-oriented. Ocean Pacific will also spend \$30,000 in its first year to develop Canadian talent.

### NEW CORNER BROOK AM

An application by Western Broadcasting Ltd. of Corner Brook, NF, has been approved on 1340 kHz 10 kw day/2,500 w night. A country music station, it will operate 24 hours a day, with emphasis on local news and sports coverage. Western said also it would hire a staff of four full-time news persons, purchase a mobile news cruiser and spend from \$3,000 to 5,000 per year to develop local talent.

### EDMONTON BIDS DENIED

The CRTC has denied all six applications for a new AM station for Edmonton. With the exception of CJIL Broadcasting Ltd., none of the

applicants provided "sufficient programming diversity." CJIL, which proposed to offer a station based on gospel and inspirational music, was turned down on the basis of a CRTC policy on the licensing of religious stations. CJIL had proposed 60% gospel music, 5% news, a number of public affairs programs and an hour per week of free access time to Edmonton churches.

Approvals include:

- CHAL Saint-Pamphile, PQ—to delete 16 hours per week of local programming and become a full-time rebroadcaster of CHGB La Pocatiere.
- CBRN North Bend, CBUO Procter, CBUA Oliver, CBUB Osoyoos, CBRF Fernie, CBYN Natal—licences surrendered by CBC, areas now served by CBC FM service.
- CKMW Brampton—transfer from Mutual Broadcasting to Patrick J. Hurley (51%) and Bill Evanov (49%). Proposal to replace English-language with multilingual programming also approved.
- Reseau Radiomutuel—French-language network renewed if licensee commits to one hour per week of public affairs programming.
- CKAN Newmarket, ON—transfer from CKAN Radio Ltd. to North County Broadcasting.
- CHWK Chilliwack, BC—no longer CBC affiliate, service provided by CBYF-FM Chilliwack.
- CJRC Ottawa, ON—relocation of studios from Ottawa to Gatineau, PQ.

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FM Radio

Approvals include:

- CKLE-FM Rimouski, PQ—change from 104.5 to 96.5 MHz.
- CITE-FM Montreal, PQ—power decrease from 100 to 44.4 kw and antenna site moved to Mount-Royal.
- CJAB-FM Chicoutimi, PQ—increase from 28.6 to 56 kw, change from 96.7 to 94.5 MHz, antenna site moved to Mont-Valin.
- CFNY-FM Brampton, ON—transfer from Mutual Broadcasting Ltd. to Selkirk Com-

munications, increase from 23.1 to 35 kw, change from directional to omnidirectional antenna.

- CFLX-FM Sherbrooke, PQ—licence issued in 1980 renewed following assurance of grants to start a French-language community service in Oct. 1983 at 250 w on 95.5 MHz.
- Saint-Gabriel-de-Brandon, MB—French-language at 396 w on 99.1 MHz with rebroadcaster at Rawdon, MB.
- CKOI-FM Verdun, PQ—licence renewed for six months, needs to improve spoken word programming.
- CFQR-FM Montreal, PQ—renewed for two years, proposed reduction of special interest

music approved, proposed reduction of French-language vocal music from 5% to 3% denied.

Television

Approvals include:

- TVO, Ontario—rebroadcasters for Fauquier on ch. 29, Harty on ch. 53, Mattice on ch. 9, Moonbeam on ch. 35, Opatatika on ch. 47, Val Rita on ch. 25.
- CFCL-TV-6 Chapleau, ON—transfer from J. Conrad Lavigne Ltd. to CBC.
- CHAU-TV Carleton, NB—licence renewed following construction of studio at Bathurst, and purchase of equipment to cover news from northeast NB.
- CBMAT-TV Matagami, PQ—licence surrendered by CBC.
- Maple Creek, SK—rebroadcaster on ch. 14 at 20 w, ex-CKMC Swift Current, SK.
- CJBN-TV Kenora, ON—transfer from Norcom Telecommunications Ltd. to CJBN Broadcasting.

Other developments:

- The CRTC will introduce a complex point system to ensure Canadian productions are just that. Beginning Jan. 3, 1984, productions must earn six out of ten points, and drama programs must earn all ten to be considered as Canadian content. Canadian directors and writers are worth two points each, and various others involved in the production are worth one.
- Canadian broadcasters will be allowed to reduce by a half-hour the home-made programs they must show in exchange for every hour of fully Canadian drama that is shown in the prime time hours of 7:30 to 10:30 p.m.
- The CRTC is implementing a simplified licensing procedure for the renewal of AM, FM, TV and cable licences. Applicants will file a new abbreviated application form. If an intervention is filed, applicants may be required to provide more detail.
- The CRTC is recommending that holders of joint AM/FM licences be allowed to increase the daily maximum of commercials to 150 minutes on their FM station, the same maximum that applies to licencees of FM stations only.

Applications Received:

- LW Broadcasting—for Wainwright, AB, 100w day/250w night on 1230 kHz, with 75% programming ex-CHLW St. Paul, 25% locally-originated.
- Radio CJLS Ltd., Yarmouth, NS, for rebroadcasters at Barrington (5.5 kw on 96.3 MHz) and New Tasket (3 kw on 93.5 MHz)
- Martin Rosenthal—to acquire CFMX-FM Cobourg, ON.
- CKLW Radio—to increase power of CKJY-FM Windsor, ON from 50 to 79.9 kw, with change of transmitter site.
- CFNY-FM Brampton, ON—to increase power at CN Tower site from 23.1 kw (directional) to 35 kw (omnidirectional).
- CKRS-TV-4 Alma, PQ—to move antenna site to Saint-Fulgence, PQ.
- CJRG-FM Gaspé, PQ—for power increase from 79 w on 103.1 MHz to 4,150 w on 93.3 MHz, with change of antenna site.

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# MSC newsletter

## CJON-TV Approves NEC VHF-TV Transmitter

In early September Jack Heaney, director of engineering for Newfoundland Broadcasting Co. Ltd., travelled to the NEC plant in Fuchu City, Tokyo. The purpose of the visit was to witness the acceptance tests to be performed in the factory on the 20 kw transmitter purchased by NTV as a replacement for their main (channel 6) transmitter at St. John's. Jack was accompanied by David La Frenais, president of MSC Electronics Ltd., exclusive Canadian distributor for NEC broadcast transmitters.

The decision to purchase the NEC transmitter was arrived at after careful comparison of all its characteristics with those of other available transmitters. High on the priority list were: technical performance, reliability, low operating cost, and after-sales service. Other items, in varying degrees of importance, were design philosophy, quality of workmanship, and the nature of the instruction manual.

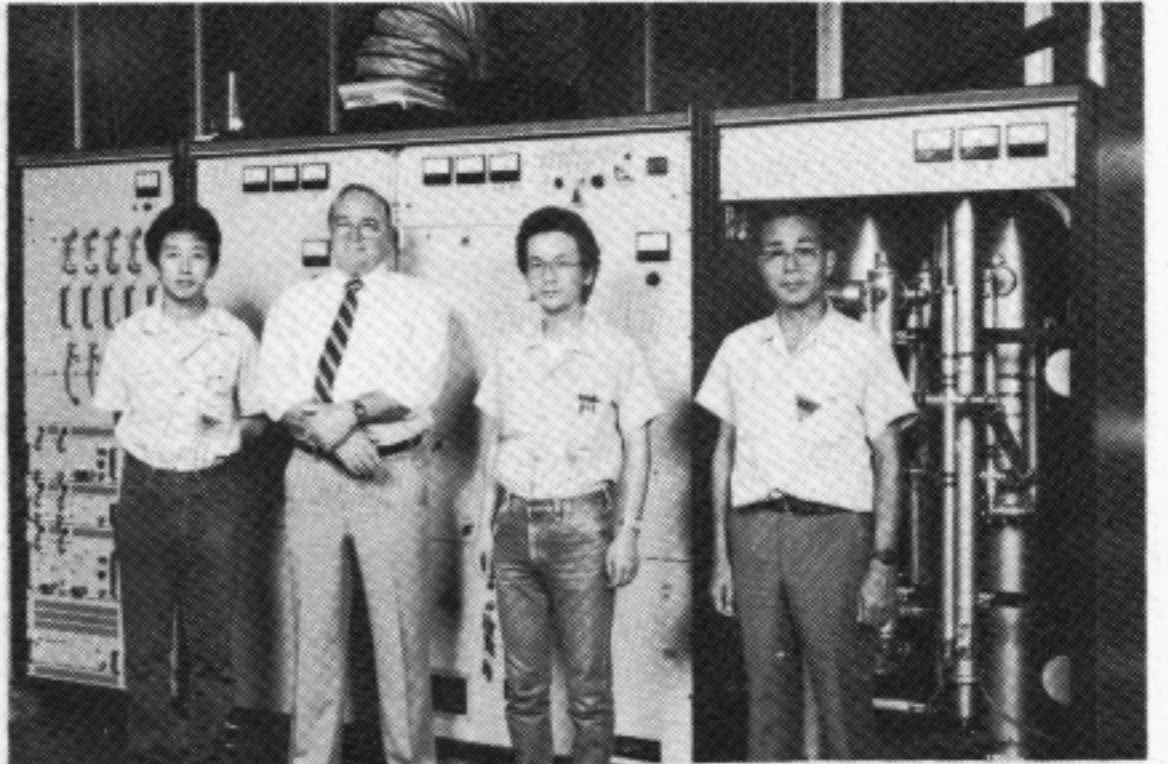
Although the dates for commencement of the tests had been scheduled four months ahead, the transmitter was ready for us on the appointed day, having just successfully completed its regular factory tests the day before.

On our arrival, all appropriate test gear was at hand for the tests. When the transmitter was switched on, it immediately made full power without any 'tweaking'. Nor was any 'tweaking' necessary throughout the regular tests which lasted fully two days. The transmitter passed on every count. In most cases the measured figures were substantially better than the DOC specification, NEC's own specification and also that required by CJON-TV.

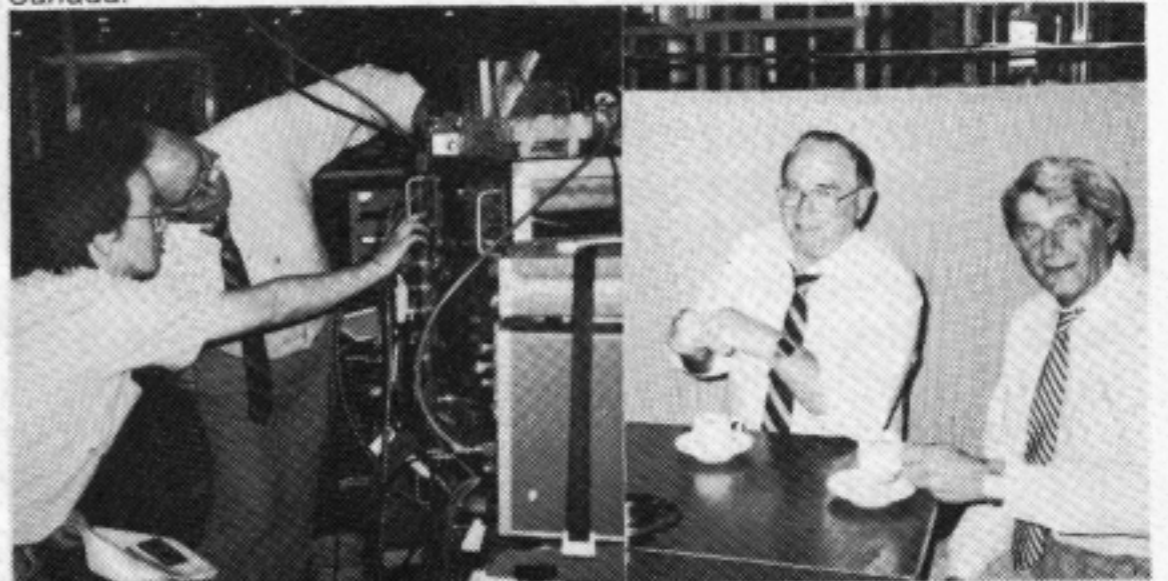
The third day was devoted to putting the transmitter through various simulated fault conditions and testing the fault diagnostic system. Finally, the NEC personnel conducted a familiarization session during which Jack was able to assess what was required to integrate the transmitter into the site.

On the final day we were taken on a tour of other sections of the plant, including the department which designs and manufactures the popular E-Flex digital video effects system. CJON-TV had recently taken possession of an E-Flex unit, so this stop on the tour was especially interesting to Jack.

As usual, the staff at NEC were most courteous and



Jack Heaney and NEC technicians with VHF transmitter, ready for shipment to Canada.



Jack takes time out from testing (left) to join David La Frenais on a 'tea and callisthenics' break.

hospitable; their competence enabled us to complete a large volume of work in the shortest possible time.

Congratulations to CJON-TV on becoming a member of the rapidly growing family of Canadian owners of NEC broadcast transmitters.

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