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THE



CANADIAN

AMATEUR

VOLUME ONE

DECEMBER, 1973

NUMBER TEN

*Season's
Greetings*



The Canadian Amateur

Official Journal of the Canadian Amateur Radio Federation Inc., Published Monthly

Managing Editor: Steve Campbell
News Bulletin Editor: Doug. Burrill, VE3CDC

Volume 1 DECEMBER, 1973 Number 10

The Canadian Amateur, published monthly on a national basis is the official Journal of the Canadian Amateur Radio Federation Inc. It is available on a subscription basis at a cost of \$4.00 yearly membership.

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All correspondence is welcomed and should be addressed to the Editor, The Canadian Amateur, Canadian Amateur Radio Federation, Inc. P. O. Box 356, Kingston, Ontario.

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FROM THE FRONT OFFICE VE3 AHU

Some correspondence has been received regarding publication of The Canadian Amateur, information given on the address labels and dating of membership certificates. Here are the answers.

(a) The Canadian Amateur is published monthly except during July and August (10 issues annually). The present omission of these two months gives a summer break to our hard-working volunteer staff; comes at a period when there is normally a lack of copy available; and reduces cost.

However, it is our intention to go to full monthly publication when circulation, staff and contributing sources make it possible. Our resources are now hard at work in improving the publication—more content, more advertising, better printing, technical content, provincial news, etc.—and this has priority.

(b) The address label ends in a code such as "A-123-OCT-74". The "A" gives geographical location—in this case Newfoundland; "123" is the computer code number; "OCT-74" denotes the last issue that will be received on current membership. Please note that the "old" labels only indicated the last item and that, if your label states "DEC 73", your membership requires renewal prior to 1 Feb 1974 to receive all copies of The Canadian Amateur.

(c) The date shown in the membership certificate is normally the first of the month following the month shown on the address label. If the label shows "OCT 74", then date on certificate should be 1 Nov 1973.

When inquiring about membership, receipt of The Canadian Amateur, etc., please give the full coded reference shown on your address label to aid in our search of records, etc. The records of the Federation are kept on standard computer cards (four cards per member) and arranged to facilitate circulation not for ready reference by name or call. Our membership team will bless you when you include the code with your request for change of address, call, etc.!

Associate membership in the national Federation has been materially aided by the publicity given by two Canadian firms that handle Amateur equipment K W Electronics and Glenwood Trading. Our sincere thanks go to the Presidents of these companies for their support and assistance.

Advertising management for The Canadian Amateur is handled by Young Media Sales, 212 King Street West, Toronto 1, Ontario (tel. 416-364-2543), and prospective advertisers are requested to send inquiries on advertising rates, copy, etc., to this address. Our rate structure is excellent when it is considered that The Canadian Amateur is circulated to approximately 1,000 of Canada's most active Amateurs—the type that does buy equipment and components.

The Federation is checking on the use of a combined membership renewal and membership card (wallet size) for continuing membership. If plans mature, this will be mailed to Associate members a month before current membership runs out.

IT SEEMS TO US

Much importance is attached these days to so-called LIBERATION! Many words are uttered, much newsprint is utilized, TV appearances are made — all in the cause of "LIBERATION".

We hear continually about "Women's Lib" life, liberty and 'The Land of the Free'. But notice that very little is said about the responsibility inherent in the freedoms we have, or those we desire.

Many newcomers to the Western Countries are amazed at the freedom they find here. Unfortunately, it sometimes takes them a while to recognize that this freedom they so much admire is due to respect for the day which provides it, and that it is only as great as the obligations accepted.

If we expect to enjoy Amateur Radio without imposition or disturbance from other Amateurs, we are obliged to consider their rights and desires. If we want or need specific benefits from our RTTY Group it might be up to us to create, or help to create, such benefits.

Some Amateurs contend that they do not owe anyone anything, and thus they prove they have thought very little, or in an immature way. We owe to our fellow Amateur as much, or more, consideration as we ask or expect to receive from him.

There can be only ONE kind of LIBERATION—Individual Liberation. In Amateur Radio, as in every day life, we cannot impose on anyone's freedom without accepting the load of responsibility that goes with that freedom. We can be liberated only to the extent of the liberation we recognize for others and the obligations we assume with our own.

Doesn't all this go back to the old adage—"Do unto others as you would have them do unto you"? Respect their freedoms as you would have them respect yours. They say there is nothing new under the sun, and surely this "new liberation" idea boils down to "Live and Let Live". There is a cost to everything, and the cost of the "New Liberation" is responsibility for the privileges we enjoy.

Think About That One !!

(Credit RTTY News)

DOC LIAISON

As stated by the Objectives of our Federal Charter, the Canadian Amateur Radio Federation Inc. is the official liaison organization between the Amateurs of Canada, through the provincial Amateur organizations, to the Department of Communications.

It is strongly recommended that the Amateurs forward queries on regulatory matters, especially those with a general, national or international connotation, to the national Federation either through the provincial bodies or directly to Box 356, KINGSTON, Ont. K7L 4W2. The Federation has established direct and personal liaison with DOC headquarters to discuss, and hopefully to resolve, Amateur problems.

Recent developments have indicated that the DOC is most anxious for Canadian Amateurs to regulate and solve their own operational problems through the Federation with the least necessary reference to the Department.

The Federation is in a position, and ready, to assist and resolve your regulatory problems provided we are fully informed before an approach is made to the Department.

A SMALL CITY, LOCAL COVERAGE REPEATER

This account, hopefully continued in future issues, will detail the construction, installation, modification and maintenance problems encountered by the Kingston ARC in getting, and keeping, the auto-repeater station VE3KER, on the air as a 24 hour, open repeater serving the city and environs.

Background

Back in the early 60s there were several groups of 2 meter enthusiasts active in the Kingston, Belleville and Clayton, N.Y., areas and communications were effected using the Heathkit 'Lunch-boxes', Pye Commanders, SCR 522s and home-brew equipments. Several VHF mobiles were in operation (known locally as the "eight block sets") and much valuable knowledge was gained on propagation conditions, antenna construction, receiver front ends, etc., in this period.

Interest in the FM mode was sparked by Jim McCullough, VE3CSO—one of the Canadian pioneers in this mode—when his employment brought him to Kingston for a short period of time and several "taxi-surplus" sets were procured and modified for 2M use, all using 94/94. Several of these sets are still happily in operation as base and mobile stations and one was used to construct the original repeater used.

As interest mounted in M FM, the need for a repeater station became evident. With the valuable aid of the Bell Pioneer ARC in Ottawa, the Kingston and Quinte (Belleville) ARCs formed a repeater association. VE3KBR was installed at Roblin, Ottawa, in a former Bell Canada repeater location using the existing 300 foot tower and building. The station is still in operation—input 146.46, output 147.06—but was found to have one defect—it does not cover the Kingston city area or the areas east of the city.

The KARC, in 1970, decided that a local repeater was required for mobile communications in the area, to provide communications in emergencies for CEMO and for public service communications. The club withdrew from the KBR repeater association and formed the Kingston repeater association as part of the club, and commenced the procurement of equipment and design and construction of the basic requirements of the system. Armand Braida, VE3 CJA and Bernie Burdsall, VE3 NB, looked after the receiver, transmitter and power supply, Bob White, VE3 AHJ, the antennas and transmission lines, Leon Brown, VE3MW, the cavities and audio interconnections, and Art Blick VE3 AHU, the control system and code identifier; the station call, VE3 KER, was requested and obtained from the DOC.

Several sites were investigated while construction proceeded but all were turned down due to a variety of reasons—high rental, difficulty of access to site, restrictions imposed on equipment, etc. An offer to locate the station in the location used by VE3RCS in Vimy Barracks was finally taken up and the complete station, housed in a six foot cabinet, was installed with the receive antenna 60 feet above ground, the transmit antenna, 45 feet above ground on an available mast.

As could be expected, many problems arose. Poor audio quality, receiver desensitization, malfunctioning control circuits, severe maintenance problems with the 'ancient' Motorola 80-D equipment used and loss of the

transmission lines and antennas during the first winter, occurred—and were overcome. Many long evening and week end hours were spent by practically all members of the club in aligning, re-building, modifying and maintaining the station in the 18 months it was "on-the-air" from the School of Signals.

Coverage area of the station was limited due to the location of the site and the low height of the antenna system. Due to the good offices of Tony Van Wuow, VE7 CCI/3, an officer cadet at the Royal Military College and President of the KARC at that time, permission was granted to locate the station in Elrond College, a student residence for Queens University, located on high ground and 17 stories high.

At the same time the club came into possession of an ex-Bell Canada manual repeater station, a recent vintage Motorola 140-D type, and this basic station was overhauled. A completely new control and audio system, state-of-the-art, using I.C.s and other solid state devices was designed and fabricated. In addition, Colin Edge, VE3 CPK, constructed two 4.5 dB gain antennas and Tony, VE7 CCI, an elaborate, triple tuned, receiver pre-amplifier.

Virtually the only things salvaged from the original station were the transmission lines and the code identifier.

The 'new' VE3 KER was installed in the Spring of 1973 and has functioned since that time. The frequencies were 146.34 input, and 147.06 output (VE3 KBR then used 46/94). A decision was made in November of that year to put both repeaters on National channels with VE3 KBR on 46/06 and VE3 KER on 34/94.

At the same time as the frequencies were exchanged, an extensive overhaul was made of the system and a slight desensitization problem was discovered. This is now being checked and hopefully the next instalment will have details on how this is corrected.

A-5 PROGRESS

The Friday night round table has been established on 3785 KHz. Check-ins have been small but that is the way of all beginnings. Tom, VE3CDM and George, VE3BBW transmit pictures during the entire round table on 439.25 MHz with test patterns and audio announcements on 147.06 and 439.25 MHz.

Both control stations for VE3XTV are improving antennae and receiving equipment for better coverage and it is hoped wider participation. A pool of ATV equipment has been established by VE3CDM and VE3BBW, so prospective ATV'ers can become operational. Just call either station or write through RSO, listing your requirements and we'll be at your side immediately. If you have 75M capability, the ATV net meets at 2030 hrs EST. The Toronto Repeater is also monitored on 147.06 during the entire net session. At present, VE3/FON, CDM, BBW, FOV and FMB are active. Plans are underway for a TV repeater so even we can have the coverage unthought of. As I pointed out months ago, you don't have to hold shares in a commercial TV enterprise to be seen as well as heard. We would like to hear from A-5 boys across Lake Ontario.

(Credit George Davis VE3BBW)

WHEELCHAIR ROUNDUP

(By Rick Hedges VE3GJI)

On October 9 the VE3WCN call was first used by our President Richard Wood VE3ERW. We have had great response regarding the call from members and other amateurs and we are very pleased with it.

Len Sumner, VE3DOR has told me that we have three candidates in training. We'll be hearing them on the air soon.

We have sent over 300 certificates to Amateurs who have checked into our net. Any Amateur that checks into the Wheel Chair Roundup net twice will receive a friendship certificate from the W.C.R.U.

Cleason Snyder, VE3CUX has changed his QTH from the nursing home in Elmira to his home QTH, R.R. 2, Ayton, Ont. He is quite happy to be back in the family circle again and is trying to get used to signing his call without the portable 3.

An interesting little tidbit is that two fathers of W.C.R.U. members have become amateurs. They are Glen Walmsley VE3HAX and Tom Hedges VE3GZV. We are quite happy that they became interested in amateur radio through the W.C.R.U.

PRESIDENT'S REMARKS

(By Richard Wood, VE3ERW)

This is a new portion of the Wheelchair Roundup's column to the Canadian Amateur. Hopefully it will appear in every issue.

I'm very pleased with the increase of check-ins to the Round-up in the past months. I like keeping my Net Controllers busy, so any time you hear VE3WCN on the air come on in and say hello—everyone is welcome.

I would like to take this opportunity to wish all the OM's, YL's and XYL's across Canada a very Merry Christmas and a Happy New Year from the Executive and members of the Wheelchair Roundup Amateur Radio Club.

NEW ANTI-SPARK QRM REGULATIONS HELD UP

Enactment of proposed new regulations aimed at curbing interference with radio reception from spark ignition systems in cars, snowmobiles, lawnmowers and similar machines has been postponed, according to a statement from DOC H.Q.

The regulations, proposed in the Canada Gazette last March, called for a February 1, 1974 implementation date. DOC explained that some industries would have been hard-pressed to complete the re-design, testing and ordering of new or changed components by that date.

DOC will consider the possibility of a phased introduction of the standards on an industry-by-industry basis. The basis of the draft government regulations are standards set by the industries involved.

The regulations would prohibit the sale of machines with spark-ignited engines which radiate radio RF noise in excess of prescribed limits after the effective date of this proposed amendment of the Radio Frequency Noise Limits Order.

All of these efforts should be received with joy by any Amateur who has tried to work mobile from a snowmobile or an outboard motorboat.

CANADIAN CAPSULE COMMENT

This feature column of The Canadian Amateur gives news and information about the activities of national Amateur groups, provincial Amateur societies and the Department of Communications and other items of general interest.

The Editor needs copy to fill this column with **topical** information, especially from the provincial societies.

Contests and awards, conventions and Ham-fests, public service items, Amateur communications, etc., plus **photographs** will be extremely welcome.

Virtually our only source at the moment is the pages of the various bulletins and other publications made by organizations, but, by the time this information is received and items copied, the news is not topical and frequently out-of-date.

NEWS FROM DOC

R. D. (Bud) Hoodspith, former director of the DOC Ontario Regional Office, has been appointed Director-General of Telecommunications Services at DOC head office in Ottawa. In his new position he is responsible for the management of the radio frequency spectrum in Canada. This entails the administration and enforcement of the Radio Act, including the Amateur regulations.

Bud is a VE5 native from Carnduff, Saskatchewan and has had a long communications career in the military, from 1935 to 1957. Some amateurs might remember him as OC of the radar and communications school at Clinton, Ontario, which he held for five years. Before joining DOC as Regional Director in 1971, his business experience included positions with the National Research Council, the Defence Research Board and MIT's research agency and as general manager and vice-president of marketing for ITT. in Canada.

W. J. (Bill) Wilson, VE3NR, has left as Director General of the Telecommunications Services Branch to establish a unit of the DOC National Telecommunications Branch which will develop policy for spectrum management.

Bill, who is well-known to Canadian amateurs involved with amateur organizations, began his engineering career with Northern Electric in Montreal, but has been in federal government communications work since 1947, when he joined the Marine Radio Service of the Department of Transport. Bill's experience in representing Canada at many international radio conferences and shaping Canadian policy in the International Telecommunications Union will serve him in good stead in his new position. When the Department of Communications was established in 1969 he became Director of the Telecommunications Regulations Branch (now the Telecommunications Services Branch), where his co-operation and interest in Amateur matters were much appreciated by the fraternity.

ONTARIO NEWS

On October 8, an emergency exercise was held in Kitchener Ontario. The "emergency" centred around the crash of a plane that made a bum approach to Toronto International Airport and squatted down in the Morgn-Pepperwood-Greendale Crescent section of Kitchener. The Hams supplied communications re damage, injuries, etc. and the EMO Rescue Teams substituted for police, fire and ambulance services.

Bert Camp, EMO Co-ordinator, seemed to feel that as far as the Amateur end went, it was the most successful exercise to date. However, there is room for more active participation from the Amateur crowd. True, it seems a little strange to be transmitting "play" messages but it can be fun and you never really know when it might come in handy, so let's have a few more out next time.

Area FMers were very much active in Hallowe'en patrols at the end of October. At Stratford, 12 club members and 12 CBers took to the road and did their thing to prevent the sometimes expensive damage that goblins have been known to do. The over-all effect was excellent but there were some foul-ups and after talking it over with senior police officials, it was decided that the job could be done just as well with fewer units, so it seems likely the FMers will be doing it by themselves next year.

(Credit KWARC Bulletin)

B.C. PROVINCIAL CIVIL DEFENCE AMATEUR RADIO NET

Report on the exercise held on Sunday morning, Sept. 23 (by Owen Evans, VE7 QT)

I decided that we should try the exercise without any prior warning or, to be more accurate, only warning those I felt had to be told. These were the Broadcasting Stations, Canadian Press, Broadcast News and the Zone Amateur radio net co-ordinators.

At 0930 hrs., Mike Considine, Provincial CD Communicator, phoned in the message which was relayed to all TV and Radio stations in the province. It would seem that practically 100% of them transmitted the message asking the Amateurs in the CD net to go on the air.

By about 1030 all nets had reported in to the Provincial net controllers, with the exception of Prince Rupert Zone. It was one of those days... we could not raise them on either 75 or 40. However, we got their results in the evening on the net. It looks as though we will have to give some more thought to frequencies.

After sorting out duplications, I arrived at the following approximate percentages of net members on the air (by Zone):

VIZ 51%	PGZ 30%	VAZ 54%
PRZ 33%	NEZ 42%	KAZ 55.5%

It was a pleasant surprise to note these percentages check-ins.

Credit "Zero Beat"

A.R.L. OF ALBERTA NEWS

Stella Broughton, VE6 VE, has been appointed as a bulletin station to pass on A.R.L.A. and C.A.R.F. information on the Alberta Public Service net.

The Charter Certificate from C.A.R.F. was displayed at a recent meeting of the A.R.L. executive and it was agreed that the charter should be framed and kept in the custody of each President of the League.

The A.R.L.A. Executive discussed distribution of The Canadian Amateur. It was agreed that A.R.L.A. should subscribe to four additional copies of The Canadian Amateur with these copies forwarded to the Presidents of the Calgary, Northern Alberta, Southern Alberta and Grande Prairie Amateur Radio clubs.

The A.R.L.A. VHF Repeater Advisory committee shall constitute an EMO Liaison committee to be prepared for the implementation of the CEMO Working Group proposals regarding Amateur emergency communications.

A loan of \$500.00 has been made to the Glacier-Waterton Hamfest committee as working capital for the

SASKATCHEWAN

The Saskatchewan Amateur Radio League will become a member of the national Federation on 1st January 1974.

The Directors of SARL have ratified the result of the referendum held on CARF membership and their application has been approved by the Board of Federation.

The Officers, Directors and members of CARF welcome the Saskatchewan ARL to the family and look forward to support and guidance of our activities on the national level.

NEW BRUNSWICK

BUSY . . . BUSY . . . BUSY . . . is what the club operators who set up and operated the 16th Boy Scout Radio Jamboree station were on Sunday, October 21 at the former Lancaster City Hall building. Dave, VE1 AP, was busy, busy, busy on the phone; Bruce, VE1 ANH, Dick, VE1 ATG, and Lorne, VE1 IN in the operating room.

Thanks are due to Tom, VE1 SI, and his room arrangements and also to the countless others who helped in several ways.

The Scouts requested five hours of operation on Sunday and they had a ball. Each of the youngsters who talked on the radio received a small memento of the occasion from the club.

—Credit Loyalist City ARC Bulletin

In memory of the late Harley Richardson, one of the best-known amateurs in Eastern Canada and across the Atlantic, the St. Croix Radio Club is applying for Harley's call, VE1IE as the club call, according to Burns Getchell, VE1CL, St. Stephen, N.B.

ATTENTION ALL PROVINCIAL AMATEUR ORGANIZATIONS

The Federation has noted that, included on the Newfoundland road maps (published by the Newfoundland government) is information regarding Amateur net frequencies. This information "Amateur radio, mobile and net frequency 3785 kcs"—forms part of a block giving information about Radio Broadcast stations.

The Federation feels that all provincial organizations should make up a brief listing of the major net and repeater frequencies in their province and explore the possibility of having this information included on the provincial maps.

THE QSL MANAGER

A QSL Manager is a person who takes care of forwarding QSL cards to Amateurs who have requested them after they have worked the station(s) he represents.

The reasons for the use of a QSL Manager are many, such as:

1. Poor mail service in the country of location
2. Cost of mail service too high.
3. Station is at a distant point with consequent long delay in mail service.
4. Station is on a DX-pedition.
5. Station does not have the time to QSL himself.

Here are some points which make a QSL Managers job much easier:

1. QSL information should all be on one side of the call, **INCLUDING YOUR CALL**.
2. All times should be in GMT and date must be QMT date, not local time date.
3. Ninety percent of DX stations do not see or want the QSL cards received by their QSL Manager, so do not write notes, etc. on cards.
4. Send a stamped, self-addressed envelope for return of QSL. If you do not have stamps for the location of the QSL Manager, use International Reply Coupons (obtainable from your local Post Office).
5. If sending for cards for more than one station represented by the QSL Manager, forward separate S.A.S.E.'s for each card requested. DX station logs do not come to the Manager all at the same time and Managers are loathe to store and segregate cards and S.A.S.E.'s.
6. Allow time for the Manager to receive log information and check entries. Any delay occurring is usually because of delay in receiving logs.
7. Please put the call of the DX station worked plus the date worked on the front of the envelope sent to the Manager.
8. Last, but not least, thank the Manager for the service he supplies. He volunteers his time and sometimes his money.

—Credit Armond Michaud, VE6AYU
KEY KLIX, Calgary ARA

C.A.R.T.G. NEWS

The October issue of RTTY NEWS published monthly by C.A.R.T.G., lists the name, call and address of members. In checking back to October 1971 we find the growth is very gratifying with an overall increase of 50 members in the past year (approx.). In 1971 number was 118; in 1972 was 138; and 1973 gives 187 members.

It is particularly good to see how many calls are listed as being members from CARTG's inception and to ALL members may we say THANKS for the support.

C.A.R.T.G. membership is still \$2.00 per year. Send cheque or money order to CARTG at 85 Fifeshire Road, Willowdale, Ontario, M2L 2G9.

(Editorial Note: RTTY NEWS is crammed full of interesting articles on Amateur RTTY operation and a subscription is included in membership in C.A.R.T.G.)

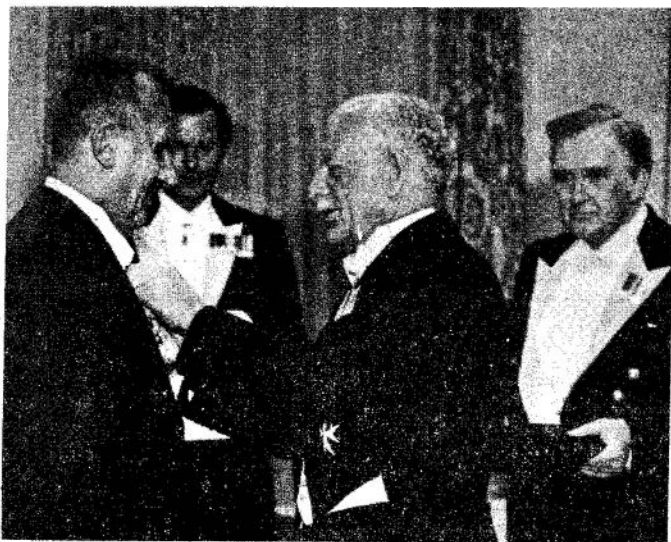
GOVERNOR-GENERAL AND AL McQUOID

Photo: John Evans Photography, Ottawa

CANADA ORDER AWARDED TO MARITIME AMATEUR

"For the example he has given to others as a sightless person and for his contribution to the community of St. Andrew's, N.B., as a musician, a mechanic and radio operator", read the Governor-General's citation for Al McQuoid, VE1FR, who was made a Member of the Order of Canada at Government House in Ottawa, on October 24.

The many Amateurs and friends who know Al will "Amen" to that citation. Al is a native of St. Andrew's and attended the Halifax School for the Blind from 1932 to 1940. He got his first licence in 1937 and was one of the first blind Amateurs in the Maritimes to do so.

Al is an accomplished organist and, believe it or not, a first-rate auto mechanic. Before the button-pushing age descended on the Amateur world, he built all of his own rigs.

Well done, Al, and a hearty 73 from all your air friends—especially from the old-timers like your reporter.

VE3CDC (ex-VE1FV)

MARITIME AMATEUR HEADS ATLANTIC REGION DOC OFFICE

Maritime province amateurs will be pleased to find that Ray Wilson, VEIWL, has been appointed Acting Director of the DOC Atlantic Region Office in Moncton, relieving Gilles Chaisson, who has been transferred temporarily to DOC HQ in Ottawa.

Before joining DOC as Manager of Atlantic Operations in 1972, Ray was with the Maritime Telephone and Telegraph Company in Nova Scotia.

ALBERTA REPEATER NEWS

A new repeater is to be set up in the Cypress Hills Provincial Park near Elkwater Lake with the rig mounted on a 100 foot tower. This repeater will help to fill in the Calgary - Regina gap.

The Lethbridge repeater now has 70 foot of tower up. Wiring is complete and the repeater should be on-the-air in near future.

—Credit "Veg" of ARLA

CANADIAN QSL CARDS ARE AVAILABLE FROM CARF

This service is open to all Amateurs.

CARF members may have the emblem added at no extra cost.

Good variety of distinctly Canadian designs and color schemes.

Can be printed in lots from 200 up.

For package of samples, send 25 cents in stamps to: C.A.R.F. QSL CARD DEPT. P.O. Box 356, Kingston, Ont. K7L4W2.

PLAN 'WAY AHEAD

Mix a lot of pleasure with your fun. Combine a vacation in Canada's beautiful Rocky Mountains with your 1975 Ham Convention plans.

The Calgary Amateur Radio Association will host an international meeting on Friday, Saturday and Sunday, August 1, 2, and 3, 1975—Calgary's Centennial Year.

It will include a Canadian Division ARRL meeting, a CLARA meeting, and other groups not yet confirmed. In addition to the technical meetings, Sur-Prizes, exhibits and banquet, there will be several on-the-air contests. For the family there will be a full two days program for the ladies and for all children (three age groups).

Watch for additional information in this column, or write: 75 Conven., Box 592, Calgary, Alberta.

D.O.C. NEWS

The DOC has informed the Federation, that, effective immediately (15 November 1973) a reciprocal Amateur operating agreement between Canada and Costa Rica has been concluded under which radio Amateurs of the respective countries may be permitted to operate their Amateur stations while temporarily in the other country. (File 6202-5-1 (DOS-P)).

MIDDLE EAST STATION

As of November 30, Amateur radio station VE3AII/SU with the UN force in the Middle East is on the air from UN base in Cairo. Schedules are being kept between 1200 and 1800 hours GMT on or about 14.150-14.175 MHz.

VE NEWS

by Rowland C. E. Beardow. VE3AML.

May I divert and tell you that my wife and I had a most delightful vacation in Spain. I can't say I am glad to be back, but the fact of being home again, makes me appreciate all I have in Canada.

The big news which is a secret no longer of course, is the C.A.R.F. and A.R.R.L. co-operation, this has been a long time coming, but is nonetheless sweeter in its fulfillment. I may shock some people by saying that it can produce nothing but progress in its accomplishment.

AMATEUR RADIO CANADIANA

NEWFOUNDLAND

The '73 Ham-en-any was a great success, some 95 people attended from all parts of the province . . . St. John's, Conception Bay area, Central Nfld., Corner Brook, Port aux Basques, Labrador; you name the place. The Canadian movie "Fine Business" was shown to a packed house.

ONTARIO

Ron Gann of Willowdale, a long standing friend of mine dating back to 1938, took me to the Nortown Club meeting recently. I was amazed at the big turnout of members, and as is the trend today, the meeting centered around 2 metre F.M. I was given the opportunity of explaining the Provincial representation method of CARF, which seemed to be well received.

Ottawa Groundway's Carey VE3ARS bemoans the lack of consideration being given on the 2 metre repeater. Recent weeks have seen an abundance of LID's and other lost souls mucking up the repeater. Unidentified carriers and Kerchunkers are found in embarrassing numbers. Valid contacts are continually being made impossible by misguided souls testing their rigs on the CE2CRA input frequency.

The editor of the LARC Bulletin comments on his recent trip to Ottawa along the 401 and indicates that the KSR boys are among the friendliest on 2FM, but passing through Toronto he asked three chaps for a little info and they would not so much as acknowledge his presence. Shades of 80 yesterday, people is people.

Eric Rush VE3XL, another friend of the amateurs has retired from the D.O.C. His domicile was Waterloo. Recently he was given a testimonial dinner in Waterloo. Over 100 people attended with many distinguished guests and a large number of Amateurs and their XYL's. Among the speakers were Mr. Worsnop, Kitchener D.O.C. and J. Gervais former chief inspector of the Kitchener office. He was presented with a Certificate of Merit from Ottawa, signed by Prime Minister Pierre Trudeau.

QUEBEC

R.A.Q.I. under the guidance of Jean-Guy Renaud, VE2AIK, is really making itself felt in Amateur Radio. The Journal is a well produced professional publication.

Sid Gould, VE2AXQ, writing in Marcogram, has done an analysis of what is known as Field Day.

He writes: "The effect of thousands of hams calling and answering CQ's without any prepared plan during a state of emergency would be sheer chaos, and worse still, the massive QRM would simply cause havoc with the civil defence communication networks."

He continues; "We would also ask what possible value there can be in the 'hello, goodbye and good luck' type of QSO, together with the inevitable 'Twenty over Nine' report? The sheer number of stations worked during a given period is no criterion at all of operating skill." "Now, we are all for the idea of hams spending a day in the outdoors once a year, but for heaven's sake let us not pretend that we are practicing emergency operation."

Sid calls his article, "THE GREAT CON GAME" and finalises: "If a national emergency should ever arrive with ham flocking to the countryside to operate under existing Field Day conditions the effect on organized civil defence would not only prove catastrophic, but might well prove the death blow to amateur radio as we now know it."

NEW BRUNSWICK

The Loyalist City Amateur Radio Club (1937) never misses a trick, attached to every one of their bulletins is a renewal slip about the size of a cheque. This contains the address of the treasurer and club, the amount required and the period renewed for, including slogans: "Buckle up for safety", "Cheque for surity" and "Be a real hot member".

NOVA SCOTIA

VE1XW, Barry Hyndman, Past President of the Halifax club is now located in Holland.

Want a pen pal in Japan? JRITSH says there is a girl who is interested in corresponding with some pen pals in Canada, boys or girls who are interested in Amateur Radio, in the 17-20 age bracket. Her name is Yumi Thukahara, TDXC P.O. 108 Shitaya, Tokyo, Japan.

BRITISH COLUMBIA

"SPLATTER" Reports on Sunday 23 Sept. the Civil Defence Amateur Radio Emergency Net held an unscheduled exercise.

The alert was given over broadcast stations throughout the province, and exactly one hundred hams responded by checking into their respective zone nets within half an hour. Kamloops Zone check-ins, on assigned frequency of 3760 mHz covered the territory from 100 Mile House to Penticton. This alert was sprung without warning.

MANITOBA

As a result of an official complaint being lodged with the Cuban Government regarding a RTTY Station on 14 mHz that was chewing up the band, the station disappeared. The moral here is — don't beef to each other; complain through your ARLM-CARF-ARRL representative.

SASKATCHEWAN

The Saskatoon Club reports a profit of \$1,137.68 after their very successful 1973 Hamfest. Percy Crostwaite VE5RP reports that he will be travelling around the province this fall visiting Prince Albert, Moose Jaw and Regina. He wants to pass on information as to what the ARRL is doing for the amateur, to inform the club what the other clubs are doing, and to promote a better communications system for Saskatchewan.

ALBERTA

In the new look VE6, Basil VE6BB, Editor, reports that VE6 will not go out to non-members of the Amateur Radio League of Alberta. The dues are only \$4.00 and for this you receive the magazine, also membership representation in the Canadian Amateur Radio Federation. And as Basil says CARF has already done a heck of a lot for Canadian amateurs. Basil you might know, came from down under.

PROPAGATION PREDICTIONS

Conditions on the hf bands are at their best now. As we are at present in the declining path of the sunspot cycle, this maximum will be considerably lower than that of 1972. Conditions will therefore be worse on 28 and 21mHz than in the autumn of last year. Conditions will improve on the hf bands compared with those of the summer.

There will be little change compared with the previous month in dx conditions on 14 mHz. No change is expected on 7 and 3.5 mHz compared with last month.

The provisional sunspot number from the Swiss Federal Observatory for August 1973 was 25.6. This period 12 to 20 August was almost completely devoid of sunspot activity.

The predicted smoothed sunspot numbers for December, January and February 1974 are 24, 22 and 20 respectively.

VE NEWS BOOKSHOP

GENERAL DELIVERY. COURTRIGHT.
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Radio Communication Handbook ...	\$10.00 p.p.
Ham Handbook for the Beginner ...	\$ 4.95
Ham Handbook for the Advanced ...	\$ 4.95
Amateur Radio Techniques	\$ 3.45
UHF/VHF Manual	\$ 3.50
Ham's Interpreter - 10 languages ...	\$ 2.25
Morse Code for the Beginner60
Television Interference by G3JGO ..	\$ 2.25
Amateur Radio Awards of the World	\$ 3.50

CYPRUS

Amateur radio licencing has now been restored in the Republic of Cyprus and an increasing number of 5B4 stations have been licenced and may now be heard on the Amateur bands. The addresses are: Secretary—PO Box 1267, Limassol and, QSL Bureau—PO Box 216, Famagusta.

(Credit IARU Region I News)

DOC PLEASE NOTE

This is the text of a bill introduced into the U.S. Congress. Known as the Teague Bill, it has not yet made it into the statute books and has had a rough ride so far.

"Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled. That section 303(s) of the Communications Act of 1934 is amended by adding the following: (2) Have authority to require that apparatus designed to receive broadcasts comply with standards of the Commission under this paragraph (2), when such apparatus is shipped in interstate commerce, or is imported from any foreign country into the United States, for sale or resale to the public. Standards under this paragraph shall be prescribed by rule for the purpose of requiring the filtering out of interference. Such standards shall include a requirement that all interference from any amateur station, and any citizen's radio service station, operating on its assigned frequency, be filtered out."

The Canadian Radio Technical Planning Board, an association of manufacturers and government which acts as an advisor to DOC and other interested government departments has been asked by DOC to look into the matter of standards or legislation to ensure adequate filtering design in home entertainment equipment.

That's a start!

(Editorial Note: The CRTPB meets in Ottawa on December 6. A large number of the members are Amateurs, including Noel Eaton, VE3CJ, Director of the Canadian Division ARRL. We may have a report on progress in this field in a later issue of TCA.)

VE3CDC

CQ OLD TIME BRASS POUNDERS:

The Society of Wireless Pioneers, an organization of professional wireless and radio men is seeking to establish a chapter in Eastern Canada.

The Society publishes an excellent year book and directory for its members in order to preserve the history of an era which bring out great changes in the lives of people and the economies of nations.

Founded about four years ago, the Society is open to those who made their lives at one time or another as a "brass-pounder" on CW circuits. The Society has more than 1,100 members world-wide.

More information and application forms can be obtained from Art Stark, VE3ZS, 22 Lyall St., Ottawa, K2E 5G8, Ontario. The dues are \$5.00 per year, plus a \$2.50 initiation fee.

ATLANTIC PROVINCES NET (APN)

The APN is the A.R.R.L. National Traffic System (NTS) Net for the Atlantic provinces. It operates daily at 2000 hours local time (2039 hrs Newfoundland) on the frequency of 3654 kHz on C.W. using speeds between 15 and 20 words per minute.

The APN has been operating since 18 March 1966 and was started by Bill Currie (then VE1HI, now VE7 MZ). The current net manager is Janet, VE1ARB of P.E.I. The net is open for all for participation either to call in for possible traffic or with traffic for all parts of Canada and the United States.

(Credit NBARA)

FREQUENCY INCREASE FOR SLOW SCAN TV PROPOSED

The national Federation has been requested by Mr. Noel Eaton, VE3CJ, Director Canadian Division A.R.R.L., to obtain opinion on a proposal to increase the frequency allotment now given for the use of Slow Scan television.

The frequencies now authorized for Canada are: 3725-3750; 7150-7175; 14,175-14,350; 21,100-21,450; 28,100-29,700 kHz.

It is proposed to permit SSTV transmission on any portion of the HF bands above 3500 kHz that are authorized for phone operation as is done in the United States. All other conditions for SSTV operation would continue to apply—Advanced certification, special permission from DOC, etc.

The reasoning behind this proposal is, "With the increasing adoption of transceivers, it becomes almost mandatory for two stations working one another to work on the same frequency and thus it is virtually impossible (for Canadians) to work into the United States on our present allocation (on 75 and 40 meters). In addition these frequencies are more than subject to interference from Novice C.W. which is more difficult to deal with than telephony."

This request has been forwarded to the Presidents of the provincial Amateur societies and to A/Directors A.R.R.L.

If you, the reader, have any comment to make on this proposal, please forward same to the provincial society in your area or to the area A/Director A.R.R.L.

This will enable CARF and ARRL to assess the situation and lead to either a joint proposal to the DOC or the negation of the proposal.

INTERNATIONAL CALLING CHANNEL FOR 2-METER SIMPLEX

With the adoption of 34/94 and 16/76 as standard repeater channels, the two 'old' simplex, calling, rag-chew, channels—146.94 and 146.76 MHz—are no longer available in many areas and the need for an international simplex channel has become necessary.

By general agreement, the frequency 146.52 MHz has been adopted for this use and CARF advises all 2-meter FM enthusiasts to use this frequency for simplex operation. Note that many of the 2M FM sets now sold come with .52 transmit and receive crystals installed instead of the .94/94 pair.

While on simplex operation there have been adverse comments about base stations using repeaters to rag-chew, etc., with other base stations. As the DOC puts it Auto repeaters have been authorized to increase the range of mobile stations.

Let us all make it standard practice to clear off the repeater channels when working base-to-base.

Also, the current practice of tripping the COR ON and OFF by a quick release and press of the mike button to carry on a long-winded QSO is frowned on by authorities.

We do have almost minimum restrictions on our repeater operations, keep it that way by using the repeaters in the approved manner.

NEWS FROM AUSTRALIA

(The author of this article, Basil Barnes, VE6BB, is the former VK7BL, and spent this summer "down under")

My old call, VK7BL, was re-activated (mainly on 2 meters) and the excellent weather, imagine, only 4 days of rain, all contributed to a very enjoyable trip. Tasmania was still as fascinating as it was when I left and meeting old friends was a highlight of the trip.

The repeater that they have on top of Mount Barrow has an outstanding range and is used regularly from a distance of 120 miles by base stations and mobiles reliably work into it from 80 miles away. That one repeater virtually covers 80 percent of the island's population.

As you know, Australia is not allowed third-party traffic privileges, so there are no traffic nets as such. However on Sunday mornings there is a state-wide broadcast sponsored by the Wireless Institute of Australia and this broadcast passes along to all Amateurs news of people, coming and past events, and ham-type gossip.

The interesting thing about this broadcast is that it is initiated on 75 meters and is automatically re-broadcast on 40, 6, 2 simplex and 2 repeater (and at one time on 3-4 meters). It really is a marvel of timing and participation by all the patching stations and it works very efficiently. Following the re-broadcasts there is a call-back on each of the particular frequencies with the patching station acting as net control.

Sunday mornings in VK7 are social mornings.

(Credit "VE6")

SOME ATV INFORMATION SOURCES

A5 Magazine: Devoted exclusively to amateur television; published by Ron Cohen, K3ZKO six times a year for \$2.50 U.S. Box 6312, Philadelphia, Penn. 19139

ATV Anthology: A collection of articles on ATV from the now defunct ATV Experimentor, available at \$3.00 U.S. from 73 Magazine, Peterborough, New Hampshire 03458.

73 Magazine: Oct./Nov. 1966 K3ADS Amateur Television: Let's Get Started; April 1967, W6ORG FM Sub-carrier generator for Ham TV; June 1967, W6ORG ATV Video Modulator; August 1970, WA6BJV Getting a Better ATV Picture; Feb. 1971, K2OJL ATV is Easy; April 1972, KOMOC Motorola T44 Base Station Conversion; April 1973, W6BIH RCA CMU 15 450 Mhz Transceiver; July 1973, WBOFQF Basic Amateur TV System.

QST, Nov. 1947, 420 is Fun; May 1949, Simple Gear for 420 Beginner; Sept. 1971, WA1FSZ Motorola series TU110 450 Mhz Transmitter; Dec. 1972, WOM ZL/9ATV with Motorola T44; Feb. 1973, ditto; Oct. 1973, KIZJH A Tuner for ATV. ARRL VHF Manual—A bibliography of QST articles on ATV is available from ARRL HQ, Newington, Conn., 06111 on receipt of a business size stamped addressed envelope.

W6ORG: Tom O'Hara, W6ORG, has designed two excellent video modulators for ATV as well as a 420 Mhz pre-amplifier and EM Sub-carrier generator. He has circuit boards or complete units, wired and tested, for sale. Write 2522 South Paxon Lane, Arcadia, Calif. 91006.

ATV Research: Write for catalogue to ATV Research, Dakota City, Nebraska. It contains details of camera kits, lenses, vidicon tubes, etc., as well as ATV construction information that is available.

(Compiled by Tom Atkins VE3CDM)

ARRL COUNTRIES ADDITIONS

Announcement is made of one deletion and two additions to the ARRL Countries List. The deletion is the present listing of Germany, the additions are the Federal Republic of Germany and the German Democratic Republic, effective September 18, 1973. Contacts before that date will be credited to Germany. West Berlin will be credited toward the Federal Republic of Germany listing and East Berlin toward the German Democratic Republic. DXCC credit submissions for the two new listings may be made starting December 1, 1974. Submissions received for these two new listings prior to that date will be returned without credit.

CANADIAN RADIO REGULATIONS HANDBOOK

The national Federation publishes the Canadian Amateur Radio Regulations Handbook, containing the 'official' interpretation of the Radio Regulations affecting Amateur Radio and much more valuable information on station licencing and operation. This Handbook is a "must" for any Amateur operating in Canada and can be obtained by sending \$2.55 by cheque or money order to C.A.R.F., Box 356, Kingston, Ont., K7L 4W2.

AUTHORITY TO OPERATE IN THE U.S.A.

The national Federation has copies of the F.C.C. Form 410. This Form, properly filled out and stamped, is necessary for Canadian Amateurs to operate their equipment while in the United States. Send a self-addressed, stamped address envelope (marked U.S. FORM) to C.A.R.F., Box 356, Kingston, Ont., K7L 4W2.

BANNED COUNTRIES LIST

Cyprus*, Gabon, Irac, Pakistan, Turkey, Libya, Khmer Republic** Viet-Nam**, Yemen.

*—Amateur operations suspended except for operation on special occasions when call sign 5B4—will be used and communication with other countries is permitted.

**—Station XV5AC in Viet-Nam and XU1AA in Khmer Republic have been granted permission to communicate with stations in other countries.

THIRD PARTY TRAFFIC AGREEMENTS

Bolivia, Chile, Costa Rica, Dominican Republic, Honduras, El Salvador, Israel, Mexico, Peru, Venezuela, U.S.A. (Territories and Possessions) Trinidad and Tobago.

RECIPROCAL LICENCING AGREEMENTS

Belgium, Brazil, Dominica, Dominican Republic, Ecuador, France, Federal Republic of Germany, Guatemala, Israel, Peru, Luxembourg, Mexico, Netherlands, Norway, Nicaragua, Portugal, Republic of Panama, Senegal, Sweden, Switzerland, U.S.A., Uruguay, Venezuela, and Denmark.

NOTE: All Commonwealth countries are eligible for reciprocal Amateur operating privileges unless evidence that a country does not grant reciprocal operating privileges to Canadian Amateurs.

MONITORING STATIONS

If you hear serious infractions of the regulations and wish to assist in tracking them down immediately, then phone your nearest DOC monitoring station, furnishing as much information as possible as to type of infraction, mode of transmission, frequency and time of observation and if possible, tape and record it.

Here are the numbers:

	A.C.	TEL. NO.
British Columbia		
Ladner (near Vancouver)	(604)	946-2715
Alberta		
Watakiwin (near Edmonton)	(403)	352-5625
Saskatchewan		
Melville (near Yorkton)	(306)	728-5997
Ontario		
Acton (near Guelph)	(519)	853-2840
Thunder Bay	(807)	935-2561
Almonte (near Ottawa)	(613)	257-3552
Quebec		
Senneterre (near Val D'Or)	(819)	737-4431
St. Lambert-De-Levis (near Quebec)	(418)	889-2552
P.E.I.		
Montaque (near Charlottetown)	(902)	838-2451
N.W.T.		
Fort Smith	(operator assist call)	872-3541

THE CANADIAN AMATEUR

The official journal of the Canadian Amateur Radio Federation offers you news and information on the Amateur scene to aid in the fullest enjoyment of your hobby.

It relays events, proposals and decisions from major organizations across the country.

Each issue features an updated listing of banned countries, traffic and licensing agreements.....items that concern you as an amateur radio operator.

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 Radio Federation
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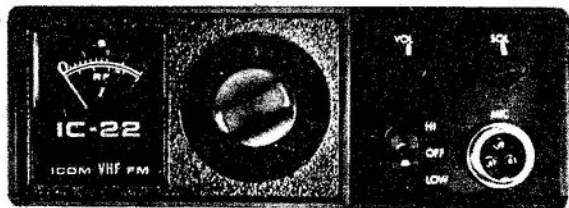
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In all of our experience in amateur radio we have never experienced so much interest and popularity in a new transceiver. We have already received our initial stock and the many hams across Canada that are using the 700 CX report they now have "power to spare" for Q5 contacts. Uses a pair of rugged GE 8950 tubes for reliable long lasting transceiver enjoyment. Also has the additional special features - sidetone osc. for C.W., AALC, shifted carrier C.W., stable solid state VFO, single conversion high I.F. system, 25/100KC calibrator and A.G.C. With these features & Swan's reliability, you will be working Q5 with the big signal 700W P.E.P. 700 CX.

700CX	\$699.00	Model 508-Ext VFO	\$199.00
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VX-2 VOX access.	44.06	NB-500 Noise Blanker.....	105.95
SS-16B - 16 pole filter.....	93.95		



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