



the canadian amateur

CARF proposals to beat TVI problems

Proposals to set standards for the susceptibility of electronic equipment to radio frequency transmissions have been presented by CARF to the Canadian Radio Technical Planning Board's committee on electro-magnetic interference, of which the Federation is a member.

The committee meeting, held early in June, discussed the many briefs presented by users of the radio spectrum. It found the chief interference problem relates to power line interference to radio, TV and cable TV receivers.

The item of most interest to Amateurs was the discussion on the susceptibility of electronic home entertainment equipment to radio interference and the interference to Amateurs generally by some TV sets.

While the problem of interference to non-radio devices, such as hi-fi systems, tape recorders, electronic organs, etc., has pretty well been resolved in the Amateur's favour by virtue of statements made by the Minister of Communication last May, what about the radio or TV, which because of poor design receives unwanted signals from an Amateur transmitter, even if the latter is "clean" as far as spurious radiation is concerned?

This temporary committee was primarily designed to collect information on electromagnetic interference (EMI), with the objective of assisting in the formulation of standards to limit the extent of susceptibility of electronic equipment to EMI. CARF, after detailing the problems encountered by Amateurs, took the opportunity to present suggested susceptibility standards.

The brief and suggested standards were compiled by

Amateur spearheads ITU team

Bert Blevis VE3IJ, has been appointed as Director of International Arrangements for DOC. He will be responsible for Canada's participation in a broad range of international telecommunications activities, including the effective management and use of the frequency spectrum, the protection of Canadian interests and the fulfillment of international obligations.

Graduating from the University of Toronto in 1956 with a doctorate in physics, Bert was formerly Director of Space Systems at the DOC Communications Research Centre in Ottawa, where he was responsible for the program management for the Communications Technology Satellite Program, due for launching this year. Bert, who was able to obtain his father's call-sign, is replacing Gerry Perrin, (who is now on the ITU staff in Geneva and is chairing the DOC preparatory committee for the ITU frequency conference in 1979.

interested Amateurs as a result of a request by CARF for input on this problem. The ultimate objective of developing, legislating and enforcing standards of unwanted RF rejection would mean that if an amateur transmitter is "clean" and the receiving equipment meets the standards then the interference problem should not exist. If the receiving equipment does not meet those standards, then the amateur could not be held responsible.

The committee is composed of CRTPB members representing various user associations such as the cable TV association, utility and railway associations and a representative of the electronic manufacturing industry. Amateur interests are well watched over on the committee--of the dozen members at the meeting, in addition to your CARF representative, there were four other Amateurs.

CARF joins CSA

As a result of the Federation's participation in the CRTPB interference committee and at the suggestion of a DOC official, the Federation contacted the Canadian Standards Association and was voted in as a member of the latter's committee dealing with the radio frequency interference problem.

The CARF representative, VE3ZS, Art Stark, named as an alternate to VE3CDC, Doug Burrill, attended the July meeting of the CSA committee and submitted the same material to this CSA committee as had been presented to the CRTPB group.

continued on Page 2

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- Amateur Radio League of Alberta
- Amateur Radio League of Manitoba
- Saskatchewan Amateur Radio League
- British Columbia Amateur Radio Association

From the Front Office

We wish to sincerely thank the dozens of Amateurs who wrote notes and letters about your national Federation and our purpose when forwarding their membership applications. They gave our hard-working volunteer staff a lift during the hot, muggy days of summer when dealing with the tremendous upsurge in membership that, at times, seemed to reach mountainous proportions.

Such comments included the following excerpts:

'All power to you for past efforts and your new moves for the future - VE7ARJ', 'You are all doing a fine job and I'm behind you 100 per cent - VE1PZ', 'Thank you for forwarding the 30 DX QSLs. Considering I was not a member of CARF, it was doubly appreciated - VE6BCX', 'Looking forward to the beginning of the Canadian RTTY Net - VE7CCJ', 'Yours is an excellent publication and I hope to be able to contribute to it in the future - L. Smith, VE7--', 'The new QSL Bureau is tops - VE3HIY', 'Find the sample copy of TCA very interesting and look forward to the June issue - VE2QK', 'Wish you every success; it is nice to see we have an organization now in Canada going strong to Canadian hams - VE3QV', 'I'm entirely with you and feel that a wholly Canadian Federation can represent us better with the Canadian government and in international conferences - VE3GYT', 'Congratulations on your move to individual membership. You can no longer cast a shadow of "Yank go home" politics that seemed to be the basis of your origins - VE7AXJ', 'Thank you for publishing the repeater directory in the May issue. It sure is a big help - VE2BSH', 'I've been hoping for something like CARF for a long time. Thanks for all the work you're doing for us - VE2DEH', 'Enjoy TCA and am proud to be a member of CARF - VE4TP', 'Sure nice to have a Canadian national organization although I wouldn't want to be out of ARRL - VE7DT', 'Certainly feel this is the great chance for all Amateurs in Canada to have a strong, united voice where it counts - Jack (Burlington)', 'Count on my continued support - VO1GW', 'Pleased to see a strong national organization emerge - VE1YN'.

CARF proposals continued from Page 1

With representatives of some of the various organizations concerned, including your Federation, now sitting on both committees, there will be a more effective liaison between both committees and the DOC.

The job of determining RF interferences rejection standards and enforcing them poses a challenge which all concerned will have to accept as the RF "pollution" becomes greater.

Some progress has been made but the problem of funding research and development is a stumbling block and it looks as though the DOC or the Department of Consumer and Corporate Affairs will have to produce the dollars needed.

THE A's HAVE IT

Seems that "Ham Radio" and "HR Report" have climbed aboard the CARF "Canadian Amateur" bandwagon and are from now on going to use the capital "A" for "Amateur"!

SHORT-CIRCUITS




"BY GOLLY, WE HAVE OLYMPICS MATERIAL HERE! HE DID A HUNDRED YARDS IN LESS THAN EIGHT SECONDS!"

CARF ON ITU COMMITTEE

At the request of the Co-ordinator of the ITU International Radio Consultative Committee (CCIR), the Canadian Amateur Radio Federation has joined the Committee's Study Group 2 in order to provide input to it, including the views of Canadian Amateurs.

Chaired by the National Research Council, Study Group 2 is now engaged in preliminary planning for forthcoming International Telecommunications Union conferences. The 1979 frequency conference is of interest to Amateurs.

Study Group 2 is concerned with both the Space Research and Radio Astronomy Services. Its terms of reference include the study of problems relating to communications for spacecraft used for scientific purposes and earth exploration and interference problems concerning radio and radar astronomy. Recently, the study of questions relating to the Amateur Service using satellites has been added to the terms of reference.

VE3ZS, Art Stark, CARF's alternate representative and a veteran of international frequency conferences, attended a Study Group Two meeting in late July in Ottawa and outlined to the scientists in the group the concerns and desires of Canadian Amateurs.

Bud Punched, VE3LLD, is the Federation's prime representative to the ITU Study Group. Bud, a past president of the Canadian Radio Technical Planning Board, also has background in conference work and recently retired as a vice-president at Northern Electric Co.

DOC NEWS

Canada has established reciprocal Amateur operating agreements with the following countries:

Iceland

Finland

Voting rights in Federation

Persons residing in Canada, or temporarily residing outside of Canada, who hold a Certificate of Proficiency in Radio of at least Amateur class issued by the Department of Communications, are now classed as FULL MEMBERS of the Federation. Such members shall be entitled to attend and to vote at meetings of members, to nominate and vote for the appropriate Regional Director, and to hold any office in the Federation.

All members are requested to check their address label. If your Amateur station call sign is included, you will automatically be granted FULL membership. If the call does not appear and you do hold a station call or a Certificate of Proficiency in Radio of at least Amateur class, please advise CARF headquarters of your call or Certificate class and Number so our records may be amended.

Your membership number will be found in the first line of your address label. For example, if your label reads 'G - 998 - May 76', your membership number is 'G - 998' and the last issue of The Canadian Amateur on your present membership will be the May 1976 issue.

TRANSPONDER SERVICE CONTINUED HR REPORT

AMSAT Directors met recently and VE3QB proposed a plan for continuing 2-10 meter transponder service with Canadian built off-the-shelf components. The plan, which was approved by the directors, would insure availability of hardware on short order to continue ARRL's educational program and would incorporate a thick film transponder currently being developed by the Canadian AMSAT group.

Satellite Relayed Bulletins for Area Coordinators was not approved as a formal program but will be tried on a regular but informal basis by Perry Klein, K3JTE. Perry has finally received an OK for antennas on his condominium and is ready to go.

TX-62 Loaner has been shipped air to VQ9GP on Seychelles, who should be on very shortly.

Full Time Mode B operation for OSCAR 7 received a chilly reception from users and has been shelved.

CARF NATIONAL QSL BUREAU REPORT

For the past eight years the only assistance received by volunteers in Ontario to clear DX QSLs, has come from interested and conscientious hams. But for these hams and many clubs, the backlog would have been astronomical. It is an impossibility for one person to cope with this ever increasing volume of work. It takes a dedicated group to manage it.

Thanks to CARF who recently gave us our first opportunity to clear our files, SASE have arrived in large quantities. We wish to thank CARF for supplying postage and envelopes for this worth while endeavour.

We do have a large amount of SASE with no call on them, so if a message via 'ham' radio arrives asking for your call, it is to facilitate clearing these envelopes to the right volunteer looking after your call. The files total approximately 4500, so you can understand the difficulty in tracing names when we file by CALL.



Canadian Repeater Advisory
Group

VE3CDC

First, a couple of changes to the list in the May issue. The 'Road to the Isles' ARC at Mulgrove, Nova Scotia (near the causeway to Cape Breton and Port Hawkesbury) put a machine on 146.22-146.82 at the end of June; call is VE1RTI. Also in the Maritimes, a note from VE1AIC advises that VE1AHC repeater, Charlottetown, should have been on our list. Inputs are 146.40 and 146.10; output is 147.00. Ron also says that VE1ATN which was inputting on 146.10 and outputting on 147.00 'is no longer active'.

Second, 15,000 Amateurs, or at least the two-metre fans, probably noted that we printed 60 KHZ instead of 600 KHZ in the kickoff paragraph of the June column. The printer has been sentenced to listen to the local repeater for one day, during the next inversion.

Third, a word to the wise re travelling by air with your portable equipment. Your CRAG editor recently was not allowed to carry his handy-talkie aboard a domestic flight, although he had done so many times previously. After some palaver with the security staff and an outcry from the People's Airline's ticket puncher because he was talking on a local Montreal repeater from the airport building, the rig was put in the charge of the aircrew before departure.

Describing a similar episode in Toronto, a visitor from India working portable VE3 said that when he talked to a local repeater from the airport, it resulted in 'a scene from Hawaii Five-O'. He was surrounded by security guards who were somewhat skeptical of his explanation and the copy of his licence.

However, airline security is a touchy business and it is for your safety that the system is in operation. So, it would be wise either to stow the gear in your checked luggage, or if there is any protest about carrying it, offer to put it in custody of the aircrew - and refrain from using the machine in the airport. (By the way, tempting as it is to turn the switch and press the button at 35,000 feet, it is illegal to use your rig on a commercial aircraft.)

An enterprising G operator, G8AAU, Kris Partridge, publishes an international repeater directory and asked us for Canadian listings and reciprocal operating information.

From the Greater Montreal repeater Council comes word VE2MRC will have autopatch facilities this fall, with VE2RM considering the same also. New repeater assignments are 146.19-146.79 for a rig in Hull; a new one

in Laval, VE2AU 146.31-146.91; a second at Three Rivers, VE2QU, 147.90-147.30 and one at St. Jean, VE2CVR 147.84-147.24.

FCC and DOC meet for Docket 20282 discussion

The FCC and DOC, at the former's request met in Ottawa in July to discuss the impact on the Amateur Experimental Service of the proposals for 'restructuring' of the US Amateur Service, as set out in the FCC Docket 20282.

The meeting also delved into the effect on Canadian operations and of changes in the US CB frequency allotments as shown in the FCC Dockets 19759 and 20120, which include mention of giving the CB in the US some slot just below 220 MHz.

Your Federation's briefs to the DOC and the FCC on the undesirable effects of 20282 on Canadian Amateur operations were a contributing factor in arousing the concern of both agencies.

The only word about the meeting was that the discussions were informal and no decisions were taken.

Director appointed

Robert (Bob) M. Bennett has been appointed as Director, Network Development in DOC's National Telecommunications Branch. He will be responsible for policy development and implementation planning of telecommunication network facilities.

He was formerly with the Ministry of Transport as Western Region Manager, Telecommunications Advisor in MOT at Ottawa.

New DOC district office

DOC opened a new district office in Cranbrook, BC in August. Manager of the office at 11-14th Avenue South is G.G. (Gerry) Jorgenson, a senior inspector from the Prince George district office. Telephone number is (403) 426-8908.

The area to be served by the new office is bounded by the international border, the Alberta border, the Arrow Lakes and the 118th meridian to its intersection with the US border and the BC-Alberta border and was formerly served by the Kelowna office.

First Finn on air

Canada now has reciprocal operating privileges with Finland and OH2BEW, Rolf Backstrom of Helsinki was the first to take advantage of it during a short Ottawa visit last month. The Federation's DOC liaison committee chairman quickly processed through DOC HQ a request from Noel Eaton VE3CJ, president of IARU, to assist Rolf in getting permission to operate here.

The Calgary Centennial Convention

Aug. 1 - 3, 1975

There is only one phrase that fittingly describes the Calgary Centennial Convention--"First Class all the way". From the moment the visiting Amateurs arrived in Calgary until their departure, the Convention Committee and the members of the Calgary Amateur Radio Association made certain that western hospitality contributed to a comfortable, enjoyable and memorable weekend.

A full slate of Technical and Information Forums was held including Dr. Owen Carriott W5LFL who talked about his experiences with SKYLAB III. Lew McCoy W1ICP, ARRL Staff, in addition to his talks on antennas, entertained the Friday night gathering with a humorous slide talk on "How to Succeed in Amateur Radio". Larry Kayser VE3QB spoke on the AMSAT Program and Ground Control of Amateur Satellites; Lew Beaudet of Telesat Canada on Commercial Satellite Communications; Dr. F. Green VE3IO, DOC, on Interference and Interference Measurement; Supt. L. Young, RCMP, on "Telecommunications, Past, Present and Future"; and Mr. F.T. Lynch, National Semiconductors, on "Applications of Micro-Processors to Communications Systems" filled out the technical program.

Information about IARU, its role, problems and work, in particular with the 1979 ITU Conference on frequency allocation, was given by Noel Eaton VE3CJ, President IARU, assisted by Harry Dannals W2TUK, President ARRL. Discussion on Canada's role in IARU and CARF's work with the DOC in this regard, was also brought up in the ARRL and CARF forums the following day. The Federation is to be kept informed on developments on the IARU position and pledged support and input to the international body.

The ARRL forum had two main topics. George Spencer VE2MS, Director ARRL (Cdn Div), gave his ideas on the possible development of their Canadian division as the Canadian Radio Relay League and Harry Dannals talked about the need for a greater number of Amateurs. Little was done on the CRRL except to note that any such development would have to be paid for, in increased dues, by the Canadian members of ARRL. The majority of those attending the forum were in favor of increasing numbers with suggestions mainly based on reducing the present code speed required for HF beginners and a code-free licence for VHF/UHF operation. George Spencer, now residing in Winnipeg, stated that he would not stand for election in 1976 due to his greatly increased personal commitments brought about by his change in employment and recommended that support be given to Ron Hesler VE1SH, the present Vice-Director, as a candidate.

The CARF forum with Master of Ceremonies Otto Meginbir VE6OH, President ARLA, was conducted by Art Blick VE3AHU, President CARF, Floyd Beardsal VE7HI, President BCARA, and CARF Directors Stella Broughton VE6VF and Steve Chisholm VE4AI. A brief outline on the re-organization of the national Federation was given and discussed. Many queries on various topics were made including CARF's Work with DOC and CRTPB, content of

The Canadian Amateur, costs of administering a national organization (\$10,000 in 1975, forecast of \$12,500 in 1976), increased licence fees, municipal by-laws affecting Amateur towers and antennas, and the role of CARF and BCARA in the recent case of Amateur interference to stereo equipment.

The Amateur Radio League of Alberta held a Director's and General Meeting. Their involvement in a province-wide repeater program and the supply and distribution of surplus equipment were the main topics discussed at both meetings. The annual election of Officers saw Stella Broughton, VE6VF elected as President, Don Zuba VE6BDC as Vice-President, and Bill McBee VE6ABZ as Secretary-Treasurer. The President's Award for Outstanding Service was given to Jim Wright, VE6DC.

Searching for plates

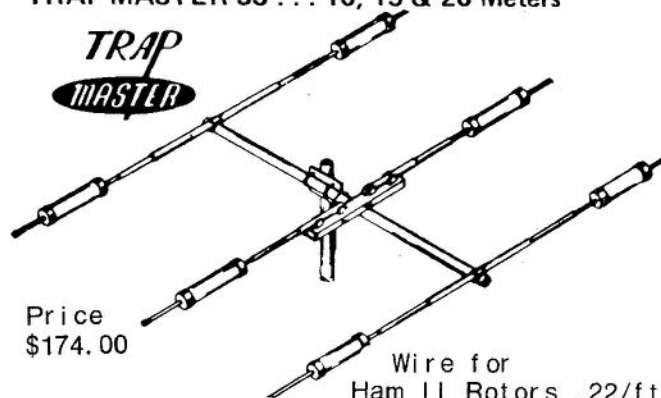
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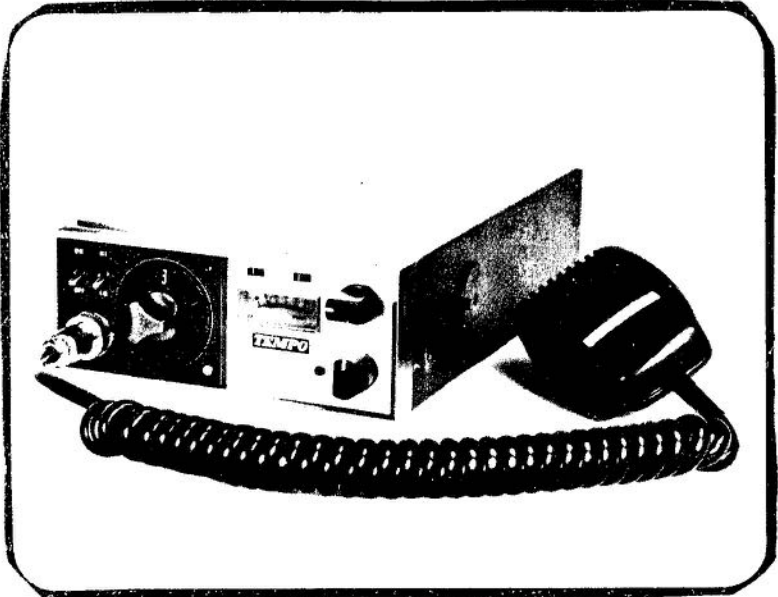
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canadian capsule comment

CARTG NEWS

The 15th Annual W/W RTTY DX "Calgary Centennial" Sweepstakes will be held Saturday Oct. 4, 0200 GMT to Monday Oct. 6 at 0200 GMT. Not more than 30 hours of operation is permitted. Non-operating periods can be taken at any time during the contest. Summary of times on and off must be submitted with score.

Bands - All amateur bands 3.5 to 28 MHz.

Country Status - ARRL Country List - KL7, KH6 and VO to be considered as separate countries.

Classifications - Single Operator (one transmitter), Multi-operator (one transmitter), and SWL Printer. Individual operators of multi-operated stations may submit their Logs singly instead of a Group Log.

Messages - Message number, Time GMT and Zone.

Exchange Points - All two-way RTTY QSO's with own zone counts 2 points. All others will receive points listed in Zone Chart (same chart as used last year) Stations may not be contacted more than once on any one band. Additional contacts counted on different bands.

Multipliers - Each country contacted including ones own on each band. e.g. If one country worked on 3 bands, three multipliers given. Each USA and Canadian District will be considered a separate country.

Scoring - Total exchange points x number of countries worked x number of Continents (Max. 6). Canadian Bonus Points added last - 100 Bonus points for each VE/VO contact. Use separate Log Sheet for each band. Log Sheets and Zone Charts available for SAE or IRC's. Logs must be received by Dec. 1 to qualify.

VE7 NEWS

ZERO BEAT

History was made recently when VE7BDQ in Prince Rupert, VE7HQ in Masset, WB8HVO/VE7 in Sandspit and VE7DPB/Mobile in the Masset area were in QSO on 2 meters FM, in what was virtually a four-way network, with good signals all around. The distances involved were up to 100 miles, so this was a tremendous accomplishment. The antennas used were 8 elements at VE7HQ, 5-6 element stacked arrays at WB8HVO/VE7 and VE7BDQ, and probably a 5/8 whip at VE7DPB/m. All arrays are vertically polarized.

This is the beginning of what may well become one of the most efficient Amateur emergency organizations in B.C. The Boys at Canadian Forces Base Masset are planning a two-repeater setup which will cover the entire Queen Charlotte Islands area from Langara Island to Masset and Sandspit, and with the line to the mainland at Prince Rupert will provide an excellent emergency facility. In addition to the 2 meter FM, there will be 75 meter SSB/CW communications available also, tying in to the Northern Net, BC Phone Net and hopefully BCEN.

CLARA NEWS

CANADIAN FAMILY CERTIFICATE

The Canadian Family Certificate is sponsored by the Canadian Ladies Amateur Radio Association. Families must reside in Canada. Work two or more members of the same family to get family status. They need not live at same address. All bands and modes. All QSL's date

January 1, 1975 or after. Certified list of contacts on log sheet, full name and relationship.

One point each for the first member of family, two points for each additional member (remember, you must work two or more from same family for points.) 22 points needed for first Certificate, endorsements for each additional 22 points.

Send \$1.00, complete log data, remembering to add relationship with name to: Certificate Custodian - Family Certificate, Cathy Hrischenko VE3GJH, 30 Lisburn Crescent, Willowdale, Ontario, Canada M2J 2Z5. Anyone anywhere in the world can work for this certificate, BUT you must only work Canadian families for the certificate.

AC--DC

ANNUAL CLARA DAY CONTEST

Time - 18:00 GMT September 13 - 18:00 GMT September 14. Bands - 20, 15, 40, 80

Suggested frequencies - Phone: 14.160, 14.280, 21.300, 7.200, 3.775, 3.900 and CW: 14.035, 21.035, 7.035, 3.690. But Check all frequencies

Exchange - RS RST Report, QTH and name

Score - One point for each Clara member worked, plus three points for each Bonus station worked. Multiply by the number of Canadian Call areas.

CLARA members - One point for each contact (no bonuses or multipliers) Highest score wins.

Each station can be worked twice: One CW and one phone or on two different bands CW or Phone.

Send logs with claimed score showing Date and time, RS or RST, QTH and name to:

Marjorie Karl VE6IC - Contest Chairman

Box 191 Foremost, Alberta Canada, T0K 0X0

Not later than November 14, 1975

Bonus stations - VE1AMB, VE2JZ, VE3ARG, VE4ST, VE5OH, CY6ATP, VE7JB and VE8NN.

VE3 NEWS

LAKEHEAD CO-ORDINATORS' REPORT

On Sunday, May 25, the City EMO and local hospitals ran a simulated emergency test to find any weak spots in their emergency plans. The Amateurs were requested to provide back-up communications. Once again those that showed up did an excellent job handling numerous messages on unfamiliar forms in record time. Local officials praised our efficiency with the only dark spot being the small turn-out of Club members thus placing a greater work load on the old reliables.

On Sunday, June 1, the Club was called upon to help co-ordinate a local parade commemorating the centennial of the CPR in Canada. The old reliables were there and did their usual good work.

HIGH-Q

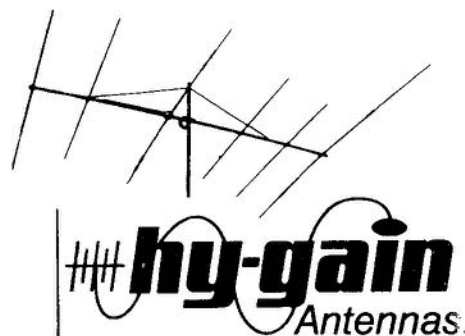
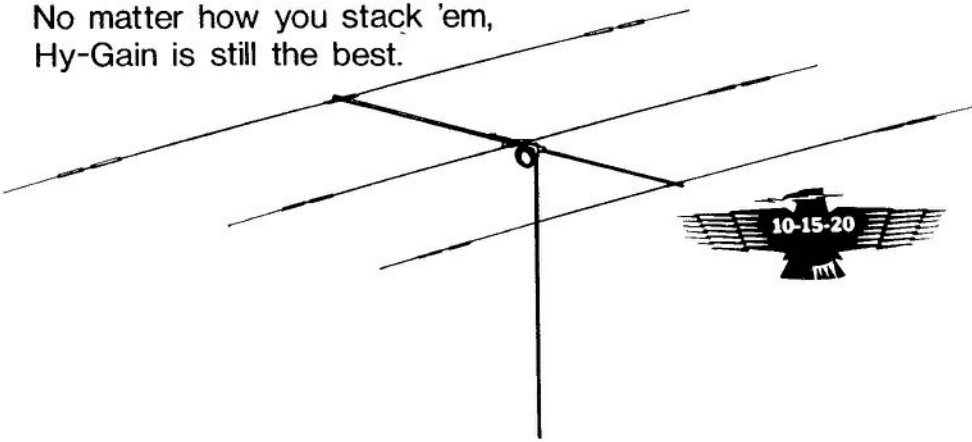
RSO CONVENTION

The Radio Society of Ontario's annual convention will be held in the Skyline Hotel, Ottawa, starting Friday evening, October 3 through to Sunday morning October 5. Guest speakers will include Amateurs from DOC's Communications Research Centre and Wayne Green, the Editor of 73 Magazine. Write to Ottawa Amateur Radio Club, Box 8873, Ottawa.

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ARX-450	100 watts	435-450	MHz
ARX-2K RANGER KIT			

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AFM-24D	1000 watts	220-225	MHz
AFM-44D	1000 watts	435-450	MHz

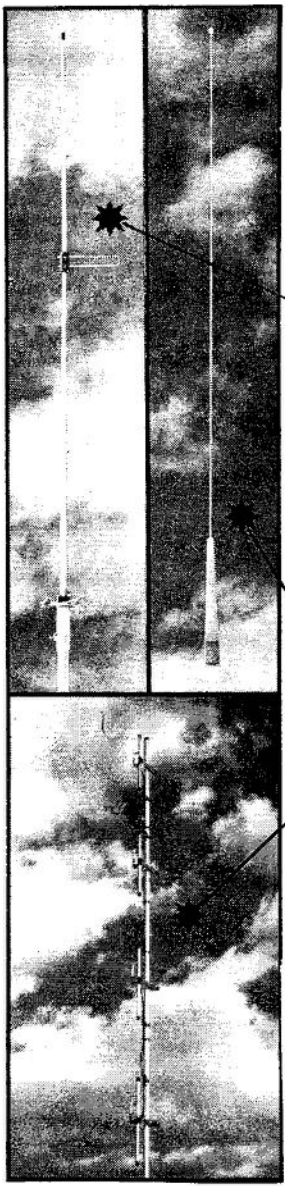
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Amalgamation or Separate Identity?

the canadian amateur

Page Nine

Quote from a letter of the Director ARRL (Cdn Div),

d/12 May 1975:

'I still hold out hope that there will be an eventual amalgamation of CARF and the Canadian Division of ARRL, but that does not appear to be possible while the present Executive remains in power.'

Quote from a Canadian Division ARRL Newsletter, d/June 1970, on the subject:

(a) The legal problems involved might well be insurmountable.

b) There would be difficulty in having a fully Canadian section in QST; in effect some four pages of the publication would be devoted to material of interest to something less than 5 per cent of the readers and this material would be beyond control of the editor.

c) The proposal would have to be referred to present League members in Canada. There would also be the problem of present Life Membership funds which are held in trust.

d) The present close liaison and co-operation between Amateur (members) of the two countries would not be possible under the proposed arrangement.

e) If the membership of the new organization reached the estimate of 4,000, ARRL would in effect be paying the new Canadian society some \$14,000.00 a year to subsidize the formation of a Canadian national organization; the work which it would be doing is now done for something under \$4,000.00. In other words, Canadian Amateurs would be asking their American counter-parts to support the Canadian society to the extent of (a further) \$10,000.00 per year. I doubt if any Canadian Amateur would support such a request.

f) Those who examined the proposal felt that there was considerable possibility that any such organization might not be a viable one and that, at some future date, some Canadian Amateurs would wish to go back to the present arrangement. They felt, however, that any future Board of ARRL would find considerable difficulty in reversing the process and did not want to take any steps which could not be reversed, if desired.

Your national Federation was formed initially to give the provincial member-societies representation on the national level. It was during this phase that the proposal for amalgamation to form a Canadian Amateur Radio League was made - and turned down. It became evident that a substantial number of Amateurs desire an independent national society controlled by the individual members. CARF's steadily increasing support demonstrates that this desire has not diminished and your national Executive can see no method in which amalgamation with the ARRL (Cdn Div) can be effected unless the new organization is distinct from the League, fully supported by its Canadian membership with no subsidization required from ARRL, with its own national publication and its own administration and organization.

Such an amalgamation would mean that the ARRL (Cdn Div) would cease to exist with the present Canadian membership of the League reverting to Associate membership to continue their subscription to QST.

Your national Federation has stated, that it does not

want to see an end to the Leagues division in Canada. There are advantages in having a Canadian member on the ARRL Board of Directors and this can only be retained with the division functioning as a full, voting region of the parent corporation.

At the meeting between CARF and ARRL in 1973, the national Executive proposed to the President ARRL and his senior Canadian officials, that the division continue but that it give up its quasi-national status and function as a normal unit of ARRL. To ensure full co-operation between the ARRL and CARF, their Canadian Director would be given a position on the national Executive thus enabling rapid, close liaison between the national societies of Canada and the United States.

This proposal was accepted by the President ARRL as a workable arrangement as it did meet the requirements of the present Canadian Amateur situation.

The Canadian members of the League would continue to have a say in the affairs of the ARRL and would be represented to both ARRL and CARF by their elected Director. This would enable representations to the DOC and other government authorities to be made after discussion had taken place between CARF and ARRL (Cdn Div) officials. The presence of the ARRL Director on the CARF Executive would ensure that the ARRL would be made aware of the Canadian viewpoint, and that CARF would be made aware of the US viewpoint, on matters of concern to the Amateurs of both countries. The position of the Canadian ARRL Director would be strengthened in his discussions with the League Board as he would now be speaking, unquestionably, on behalf of the Amateurs of Canada.

The Amateurs of Canada will support such a change in outlook by CARF and ARRL. It will take leadership and willingness to co-operate and work together to resolve the aura of petty bickering that is now a part of the Canadian Amateur scene and to develop the strong national society that is necessary for the future good of the Canadian Amateur Experimental Service. It will require no legal change of the ARRL or CARF constitution, will put an end to the present necessary subsidization of the Canadian Division, will not affect the present funding of either CARF or ARRL by their membership and will see the continuance of the ARRL (Cdn Div) as a viable force in Canadian Amateur radio.

Comment and opinion addressed to both CARF and ARRL would be appreciated.

THE WIDE HORIZON - VHF AND UHF

GEORGE DAVIS VE3BBW

A number of years ago, when hams began experimenting with VHF repeaters, the two meter band was largely unpopulated and frequencies were a dime a dozen. Input and output frequencies were chosen, usually to take advantage of existing equipment, most notably, filters, diplexers and cavities. The main concern was to operate a transmitter and receiver simultaneously on the same site without interference. If the input and output frequencies resulted in problems, one or the other could be changed slightly.

Your national Federation has stated, that it does not

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Wide Horizon

This state of affairs created no problems until repeater proliferation occurred and propagation conditions alerted one to the fact that other repeater groups were using similar input frequencies. Skip conditions rendered some installations unusable, as other users triggered not only their own repeater but a half dozen others as well. This condition resulted in the cry for band-planning and a more orderly use of the frequency spectrum. Hence, the repeater council.

A repeater council is a federation of repeater groups with no legal status to regulate Amateur operation. It is a coming together of groups who recognize common problems, and realize that these problems must be solved to permit the maximum enjoyment of our hobby, by the greatest number of users. It has no big stick to wield and depends solely on an appeal to sound engineering practice and friendly persuasion. I know of no Canadian Repeater Council which is incorporated, has a written constitution or a formal dues structure. They are respected organizations, their views are sought by our government on VHF matters, and few repeater groups would think of commencing operations without their blessing.

How then do we go about setting up a repeater council? Obviously, someone has to spark the action and this can usually be done by the provincial co-ordinator or some other individual who appreciates the problem.

An initial informal meeting is held by a few repeater representatives, followed by a 'Call to Arms' to all repeater groups in an area, who meet at a central location for the inaugural and formation ceremonies.

At the inaugural meeting, it helps to have a member of another council to guide the deliberations of the fledgling group. Two executive officers should be elected, a chairman and a secretary. The chairman presides, as is the custom of chairman, over the council and the secretary does the work - as is also the custom of secretaries. The secretary sends out the notices of meetings, records the deliberations of council, maintains a membership roster, and prepares and distributes the minutes of meetings. He may also receive money from repeater groups to pay for stationery and postage.

A minimum of two committees should be set up, the Frequency Co-ordinating Committee and the Technical Committee. The Frequency Co-ordinating Committee may have any number of members but three is common. This committee maintains an inventory of repeaters within the council, with their frequencies, location and area coverage. Link frequencies between repeaters and command and control frequencies are also within the purview of this committee. It can be of assistance in assigning frequencies for initial operation, having due regard for intermod products and mutual interference. Some committees have detailed lists of equipment within a group and arrange for crystal banks and trading when frequency shifts become necessary.

The Technical Committee, similar in composition to the Frequency Co-ordinating Committee, deals with interference problems, both within and without the amateur bands, tone access systems, identification, new experimental ideas and standardization of techniques. In short, they are there to help each repeater group get the greatest enjoyment out of their repeaters.

CALGARY CENTENNIAL AWARD 1975

Calgary Amateur Radio Association is offering a special certificate for 1975 contacts. During the year, the special prefix CY will be used by Calgary Amateurs for one credit each, and the 2 Club Stations CY6AO and CY6NQ for double credit. An Oscar contact is worth 4 credits. Any band or mode--only one contact per station.

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Annual Report 1974/75

The past 12 months have been ones of planning for the re-organization of the national Federation that will lead to our full development as the national Amateur Radio organization.

It had been apparent for some time that the financial support of the majority of Amateurs could only be gained by a change to individual voting membership. The Board of Directors unanimously approved such a change and a draft of a proposed by-Law Number 2, incorporating re-organization of the Federation, was made by Mr. C. Grove, VE3CT, Hon. Legal counsel, and forwarded to the member-societies for discussion before ratification at the 1975 Annual meeting.

The plans for change, coupled with the additional services supplied by the National QSL Bureau, have met with general approval as evidenced by the upsurge of Associate membership.

All member-societies, both Full and Affiliated, have renewed membership and the British Columbia Amateur Radio Association has rejoined CARF as Full member. Membership representative strength of the member societies now exceeds 3,000 with an average increase of 13 per cent in the year 1974.

Officials of the Federation met with the executive of the Radio Amateurs du Quebec, Inc. in September 1974 to give advice on the organization and policy of the Federation and were well received. However no positive steps toward member society status have yet been taken.

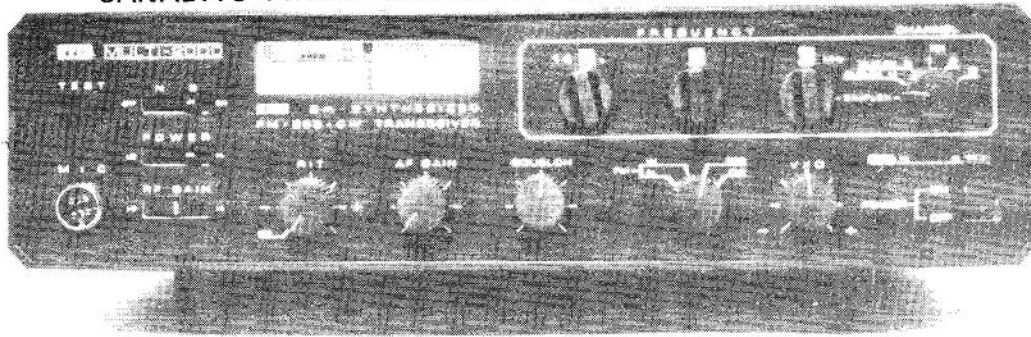
As the national Amateur organization, your Federation is going ahead with the publishing of various 'Handbooks' that will be of value to the Amateurs of Canada. The CANADIAN AMATEUR RADIO REGULATIONS HANDBOOK, originally published in 1970, was edited and brought up to date by the chairman of the CARF Regulations Advisory committee, Mr. A.P. Stark, VE3ZS, additional content was incorporated and the 2nd edition was published in January 1975. Sales of the 2nd edition are excellent and a second printing will be necessary before the end of 1975.

Two other books are in the works - a CANADIAN AMATEUR CALL BOOK and a CANADIAN AMATEUR LICENCING MANUAL - and these should be in print well before the end of 1975. There is a possibility that a

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PRESENTS

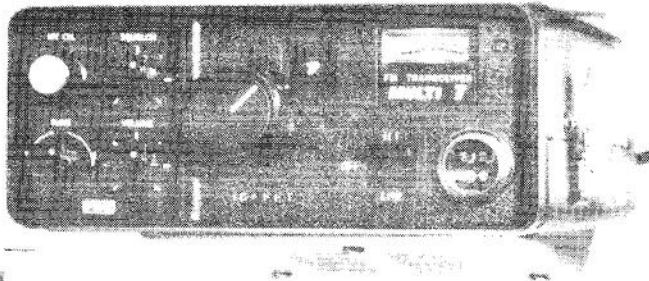
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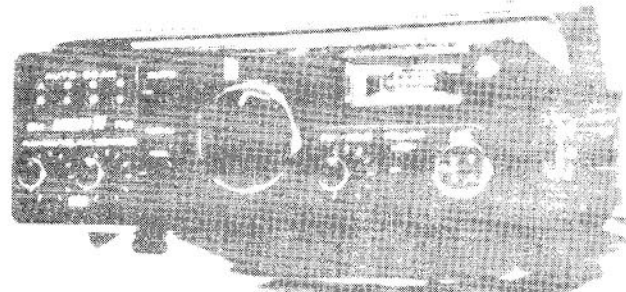
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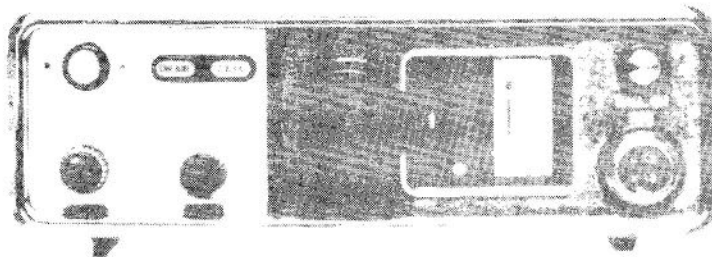
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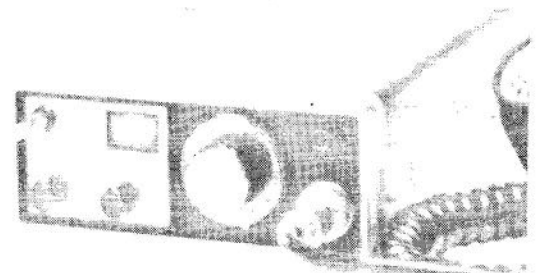
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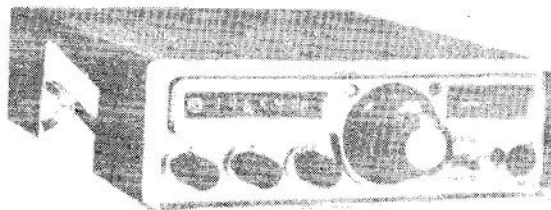
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CANADIAN AMATEUR YEAR BOOK will be published in 1976 that will give details of many aspects of Canadian Amateur radio and contain much useful information of benefit to the Amateur operator.

THE CANADIAN AMATEUR, under the capable editorship, of Steve Campbell and CARF Vice President, D.R. Burrill, VE3CDC, continue to improve in format and content. Various production problems caused delay in the circulation of some issues. The intention is to have TCA in circulation by the end of the first week of the month of issue and efforts will be made to achieve results.

The beginning of 1975 saw an increase in Associate membership dues to \$5.00. This was necessitated by the increasing cost of publishing and circulating TCA and of management of the membership rolls. This increase was well received by the membership and no drop off was noted. In fact, the publicity given to the proposed change to individual membership, coupled with the increased services available to the membership, has resulted in a very substantial increase in Associate membership since March 1975.

Relations with officials of the Department of Communications continue to be most cordial. Details of our work with the DOC, proposals made, etc., have been publicized in TCA, the CARF NEWS SERVICE and by on-the-air bulletins.

The codification of Radio Regulations pertaining to Amateur radio is nearly complete and will shortly be submitted to the Department.

The unexpected fee increase for Amateur radio station licences caused much concern and a formal brief will be forwarded to the Minister.

The proposed restructuring of the US Amateur Radio Service may have substantial effects on Canadian operation and comment from CARF has been forwarded to the FCC and ARRL.

Your national Federation was accepted as a member of the Canadian Radio Technical Planning Board and will play an active role in the Board's activities, publishing details of all matters that may affect Amateur radio.

CARF has been requested to participate in the work of a DOC committee that is concerned with planning for future ITU conferences, in particular the 1979 conference on international frequency assignments.

The national Executive held several meetings in the past twelve months, mainly dealing with the day-to-day management of the Federation. The Board of Directors held a meeting in Toronto in March to approve the proposed change to individual voting membership and to discuss a draft of By-Law Number 2 with the Hon. Legal Counsel. Previous to the Board meeting, the members of the Board attended a CARF OPEN FORUM with Amateurs of the area and much lively discussion ensued regarding the future role and development of your national Federation.

The steadily increasing membership, the growth of services supplied and the continued development of the national organization make it imperative to expand the administrative structure.

Altogether the past year has been one of decision and planning for the future. The response to our efforts has been very good and has left little doubt that the Amateurs are aware of the need for a Canadian national Amateur organization and that they will support the national Federation in this role.



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