



the canadian amateur

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the canadian amateur



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From the Front Office

Officials of your national Federation have recently attended three major Amateur conventions in Moncton, N.B., Hamilton, Ont. and Winnipeg, Man. Many private and public discussions took place and two items came through strong and clear. The first is the desire of the individual Amateur to have more say and control over the activities of the national body; the other that the average Amateur is not happy with the "petty bickering" between CARF and ARRL but does support the increasing activity and services provided by the national Federation on his behalf.

A proposal is now being drafted to change the By-law and Regulations of CARF that will give two classes of "voting" membership - the provincial member societies, and individual members. One possibility is the election of Regional Directors by individuals in the region concerned with the provincial delegates electing additional Directors to round out a larger Board than as at present. Our Hon Legal Counsel, Mr. C. Grove, VE3CT, is now investigating this possibility and determining the changes necessary in the constitution. Such changes will, of course, require approval by the CARF Board and ratification by the provincial Delegates before submission to the Minister of Corporate Affairs.

To deal with the numerous minor problems that occur between CARF and ARRL, the President CARF has formed a special committee under the chair of Len Sumner, VE3DOR, to explore and examine such problems as they occur and report findings to the national executive and to the Canadian Director A.R.R.L. The Cdn Dir A.R.R.L. has been requested to support the work of the committee and to nominate an official of the League as a member.

The Treasurer CARF, H. T. Edworthy, VE3CLG, has checked into the cost of administering one Associate member and supplying him, or her, with THE CANADIAN AMATEUR. His figures boil down to -- 40 cents for administration (membership certificates, renewal notices, etc.) and \$3.55 for one year subscription to T.C.A. for a total of \$3.95. These figures have increased substantially since 1973, mainly due to the increased costs of printing, publication and circulation. The national executive have therefore recommended that the annual dues for individual membership in CARF be increased to \$5.00 on 1 January 1975. The provision has also been made that all new and renewed memberships taken out before 1 January 1975 will be at the present rate of \$4.00.....a good opportunity to cut down CARF's administration costs and save yourself money at the same time!

MERRY CHRISTMAS, 1906

When wishing your fellow Amateurs a Merry Christmas, take a moment to not that it was a Canadian who made the first voice broadcast. Greetings and music were broadcast by Reginal Fessenden on Christmas Day, 1906, to ships at sea and the few land stations then in use.

His development of the continuous wave transmitter made modern radio communication and sound and video broadcasting possible, while Marconi stuck with the spark transmitters...now a thing of the past.

SHORT-CIRCUITS



Oscar 7 in orbit

hr report

Oscar 7's launch was perfect, and it ended up where it was supposed to be when it was supposed to be there. Both telemetry beacons are working perfectly, and the only hitch is a marked lack of sensitivity in the 2-to-10-meter translator. The 432-MHz to 2-meter translator, on the other hand, is working much better than expected--predictions were that 350 W effective radiated power would be required for a consistent signal through it, and it's doing so well that a maximum of 80 W ERP is being requested!

A number of European Stations have been copied in the midwest coming through the translator from 432, and despite a somewhat narrower than expected bandwidth (about 80 kHz) the efficiency is quite high. The two-meter beacon is somewhat lower in frequency than expected--despite uncertainties from doppler shift, it appears to be about 145.972 instead of 145.980 MHz. The "space-only" keying of the RTTY telemetry on the two-meter beacon is a previously unpublicized but planned-for feature--it provides a good saving in battery drain, and can be copied on most RTTY TUs with little extra effort.

The Two-To-Ten Meter Translator is a disappointment, so far. It takes a lot more signal to get into that Oscar 6, and very deep fades are frequent during its passes. The beacon is very strong, and bandwidth considerably greater than the planned 100 kHz (signals as high as 29520 kHz have been copied through it). Experiments have been going on to try and locate the cause of the insensitivity, so don't be surprised if it turns up on a "wrong" mode sometime during the next few days

The AMSAT Phone was being manned by G3ZCZ/W3's XYL while Perry Klein took a well-needed vacation, but the arrival of a YL junior op interrupted her service. Perry should be back by the time you read this, available for consultation.

Your National Executive



STEVE CHISHOLM, VE4AI

The Manitoba Director of CARF is VE4AI, now teaching radio operators at the Red River Community College in Winnipeg.

Steve first transmitted in 1933, in Alberta, using a Ford coil connected to a clothesline with a couple of sharpened carbon rods providing a spark gap. Unfortunately, he had no receiver (or licence) and, eventually, the local RCMP officer requested him to QRT. Seems that all the local radios were receiving him on the broadcast band!

Steve joined the R.C. Signals in 1938 and became an operator (five cents per day extra for 20 wpm and another five cents for 30)!

In the same year he operated a Club station at Vimy - VE3AKL - and in 1939 went active, returning to Canada in 1946 to become VE3ATU.

During a long Army career he instructed and became OC Oshawa Wireless Station where he de-TV'd a 100 KW rig with the assistance of Ink Hyman, Ve3BU, Hugh Durant VE3YE, Bernie Sandbook, VE3ATI and Bill Hardcastle VE3RY. Oshawa almost erected a statue to him!

Steve represented Canada as a member of the Canadian Delegation to the 1959 and 1963 Conferences on frequency allocations.

He is a member of CARF, ARLM, WARC, RSGB, RSARS, RSO and ARRL. He works 80 and 20 SSB, 2m FM and rebuilds old HRO's as a hobby.

Steve has held the calls VE3ATU, G3GSK, VE2ZM and has operated from 4U1TU.

(Shown approx. 1/2 size)

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CRAAGCanadian Repeater Advisory
Group**CANADIAN REPEATER DIRECTORY**

This directory of Canadian repeaters was compiled by CRAAG and has been distributed by CARF through its news service to provincial editors.

Errors, omissions and changes should be sent to the Secretary, Canadian Repeater Advisory Group, J. Lyle Ward, 2188 Iris St., Ottawa, Ont., K2C 1B3.

ALBERTA

Calgary	VE6AUY	6.46-7.00	Medicine Hat	VE6HAT	6.46-7.00
Calgary	VE6RPT	6.34-6.94	Red Deer	VE6QE	6.46-7.00
Cold Lake	VE6OC	6.46-7.00	Rocky Mtn. Hse	VE6??	6.28-6.88
Edmonton	VE6WQ	6.46-7.00	Wetaskiwin	*VE6??	6.34-6.94
Lethbridge	VE6CAM	6.28-6.88			*proposed

BRITISH COLUMBIA

Chilliwack	VE7ELK	6.46-7.00	Salmon Arm	VE7APH	6.46-7.00
Kamloops	VE7KAR	6.34-6.94	Trail	VE7CAQ	6.34-6.94
Kimberley	VE7CAP	6.34-6.94	Vancouver Area	VE7URG	449.0-444.0
Nanaimo	VE7CNR	6.04-6.64		VE7RPT	6.34-6.94
Masset	VE7DRZ	6.34-6.94		VE7VAN	7.72-7.12
Nelson	VE7BTU	6.46-7.33		VE7ESR	7.81-7.21
Penticton	VE7OKN	6.34-6.94	Victoria	VE7BEL	6.22-7.54
Quesnel	VE7???	6.46-7.00	Victoria	VE7VIC	6.22-6.82
Prince George	VE7AFG	6.34-6.94	Williams Lake	VE7DSO	6.34-6.94

MANITOBA

Brandon	VE4BDN	6.34-6.94	Winnipeg	VE4XX	6.46-6.94
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NEW BRUNSWICK

Fredericton	VE1GT	6.34-6.94	Saint John	VE1KI	6.22-6.82
Fredericton	VE1PD	6.16-6.76	Scotch Mtn	*VE1SMT	6.01-6.61
Kintore Mtn (Perth)	VE1KMT	6.46-7.06	St. Stephen	*VE1IE	6.28-6.88
Moncton	VE1RPT	6.28-6.88			*proposed

NEWFOUNDLAND

Cornerbrook	VO1KI	6.46-6.94	Labrador City/Wabush	VO2AD	6.46-6.94
Grand Falls	VO1AV	6.46-6.94			6.34
			St. John's		6.46-6.94
					6.34

NOVA SCOTIA

Bridgetown	VE1BO	6.46-7.06	Mt. Blomidon	VE1AEH	6.58-7.18
Gore	VE1LHR	6.04-6.64	New Glasgow	VE1HR	6.16-6.76
Halifax	VE1ARC	6.34-6.94	Sydney	VE1JD	6.46-6.94
Liverpool	*VE1??	6.46-7.06	Truro	VE1XX	6.46-7.06

ONTARIO

Barrie	VE3BOR	6.25-6.85	Chatham	VE3CCR	7.72-7.12
Belleville	VE3KBR	6.46-7.06	Deep River	VE3NRR	6.34-6.94
Bracebridge	VE3MRT	6.28-6.88	Goderich	VE3GOD	6.43-7.03
Brockville	VE3WXR	6.37-6.97	Hamilton	VE3DRW	6.16-6.76
Brantford	VE3TRC	7.75-7.15			-6.79
Burlington	VE3RSB	7.81-7.21	Ingleside	VE3SVR	6.16-6.76
Kingston	VE3KER	6.34-6.94	St. Catharines	VE3HRS	7.84-7.24
Kitchener	VE3KSR	6.37-6.97	Sarnia	VE3SAR	6.34-6.94
		6.34-6.94	Sault SteMarie	VE3SSM	6.34-6.94
London	VE3LAC	6.46-7.06			6.46
London	VE3NDT	6.34-6.94	Sudbury	VE3SRS	6.46-7.06
New Liskeard	VE3TAR	6.34-6.94	Timmins	VE3TIS	6.34-6.94
		6.46	Thunder Bay	VE3YQT	6.46-7.06
North Bay	VE3NFM	6.34-6.94	Toronto Area	VE3TDX	7.93-7.33
Orillia	VE3LSR	6.25-6.85		VE3MOT	7.78-7.18
Oshawa	VE3OSH	7.72-7.12		VE3RPT	6.46-7.06
		6.40			52.760-52.525
Ottawa-Hull	VE2CRA	6.34-6.94		VE3TFM	7.87-7.27
		443.3-448.3		VE3UKW	449.40-444.0
Ottawa	VE3OCR	6.25-6.85		VE3TOR	6.34-6.94
Owen Sound	VE3OSR	6.34-6.94			
Peterborough	VE3PBO	6.34-6.94		VE3PRT	448.30-443.30

NEW DISTRICT OFFICE

A new DOC District Office has been opened in Windsor, Ontario, located on the eighth floor of the Trade and Commerce Building, 880 Oullette St. The manager is Stan Ribee, formerly of the Toronto District Office.

The new office will administer DOC operations such as licensing and interference in Windsor, Chatham and Essex and Kent counties. The telephone number is 254-4335.

**NEW FACET OF
SPACE LISTENING**

Here is an interesting letter, reproduced in part from the Montreal Star for Sept. 27, 1974.

An amateur group...is being organized to monitor the Apollo-Soyuz joint space mission next July 15. We need interested people with simple radio equipment which can receive telemetry and voice signals on the 20 MHz and 120-144 MHz bands...

A group is already in existence. Founded by a science teacher in Kettering, Great Britain...(It has) been monitoring Russian and American space shots for a decade....New members are always needed.

Some of the most interesting accomplishments in 1974 included receiving signals from the Luna-22 probe in lunar orbit, being the first to announce the launchings of Soyuz-14 and Soyuz-15, and monitoring the last days of the Salyut-3 space station....

Observers are needed all over the world, but there are four main locations that are important because they are near Russian tracking sites: Northeast North America, the Caribbean, the South Atlantic periphery, and the Japan-Korea area. Of particular interest is the tracking ship anchored off Sable Island, Nova Scotia. Observers here can pick up the actual voice communications from the Russian cosmonauts....

Interested persons should write to James E. Olberg, P.O. Box 46, College Park, Md. 20740, for more details and a suggested reading list. Please send self-addressed stamped envelopes for return correspondence. Also mention what kind of radio gear you have, your phone number, and your latitude-longitude.

Peterborough	VE3KRA	222.34-223.94			
Port Colborne	VE3WCR	7.90-7.30	Windsor	VE3TFM	222.38-222.98
Renfrew	VE3STP	6.46-7.06	Windsor	VE3WIN	6.40-7.00
				VE3III	(6.46-7.06 (6.28)

Brampton VE3MHZ on trial basis 6.28/6.88

PRINCE EDWARD ISLAND

Charlottetown	VE1ATN	6.10-51.525 52.525-7.00	Charlottetown	VE1HI	6.34-6.94
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QUEBEC

<u>Hull Ottawa</u>			<u>Montreal Area (cont'd)</u>		
	VE2GRA	6.34-6.94 443.3-448.3	Mt. Rigaud	VE2RH	6.40-7.18 444.0-449.0
Joliette	VE2AMN	6.43-7.03	Mt. St. Bruno	VE2XW	6.70-7.60 (224.5
La Tuque	VE2EH	6.34-6.94	<u>Quebec City Area</u>		
Matane	VE2CSL	6.46-6.94	Mt. Belair	VE2OM	6.34-6.94
Rimouski (Mt Champlain)	VE2WM	6.34-6.94	Orleans Is.	VE2VD	6.16-6.76
Riviere du Loup (Mont Blue)	VE2NY	6.46-7.06	Mt. Ste Anne	VE2UX	6.22-6.82
Sherbrooke (Mt. Orford)	VE2TA	6.19-6.79	Quebec City	VE2DB	6.28-6.88
Sherbrooke	VE2SS	6.52-7.50	Charlesbourg	VE2UZ	6.46-7.06
Seven Islands	VE2IE	6.34-6.94		VE2UB	7.42-6.64
Three Rivers (Mt. Carmel)	VE2AT	6.07-6.67	<u>Mt. Buckland Saguénaï Area</u>		
Three Rivers	VE2CRT	6.46-6.94	Alma (St. Charles- Borromé)	VE2SP	6.34-6.94
<u>Montreal Area</u>			Chicoutimi	VE2IU	6.16-6.76
Shawbridge	VE2BG	6.46-7.06	(Mt. Ste. Claire)	VE2ES	6.28-6.88
Mt. Royal	VE2PY	6.28-6.88	Chicoutimi (Mt. Ste Margeurite)	VE2VP	6.22-6.82
Laurel (Morin Hts)	VE2DN	6.16-6.76	Jonquiére		

SASKATCHEWAN

Moose Jaw	VE5CI	6.34-6.94	Saskatoon	VE5SK	6.34-6.94
Regina	VE5SS	6.46-7.33			

**18 SMALL TERMINALS FOR
EXPERIMENTAL CANADIAN SATELLITE**

Eighteen lightweight, easily transportable earth stations for use with Canada's experimental Communications Technology Satellite (CTS) will be built for the Department of Communications under a \$2,126,000 government contract.

The contract, to RCA Limited of Montreal, is for 10 terminals with three-foot diameter "dish" antennas and eight of eight-foot diameter. Three network control systems--electronics for voice communications using these smaller terminals in conjunction with larger earth stations to be employed during the CTS program--are included in the contract price negotiated by the Department of Supply and Services.

CTS, to be Canada's eighth satellite, will help technical, social and economic planners in both government and industry answer important questions about the use of high-powered satellites in new frequency bands as a method of extending communications services in Canada in the 1980s. The satellite is being built by Canadian industry, with overall design and project management by the Communications Research Centre of DOC, near Ottawa.

Slated for launch from Florida late next year, the spacecraft is expected to have a two-year mission life. Incorporating a number of advanced technology subsystems, it will be used by more than a score of experimenter groups from coast-to-coast--including native peoples, provincial governments, industries, common carriers, private and government research organizations. In addition to the launch, component and testing support, the U.S. is providing the high-powered transmitting tube for the satellite's communications transponder.

FIRST ATV REPEATER FIRES UP

The Ontario Amateur WR4AAG located in Alexandria Virginia serving the Washington area has the distinction of being the first licensed amateur television repeater.

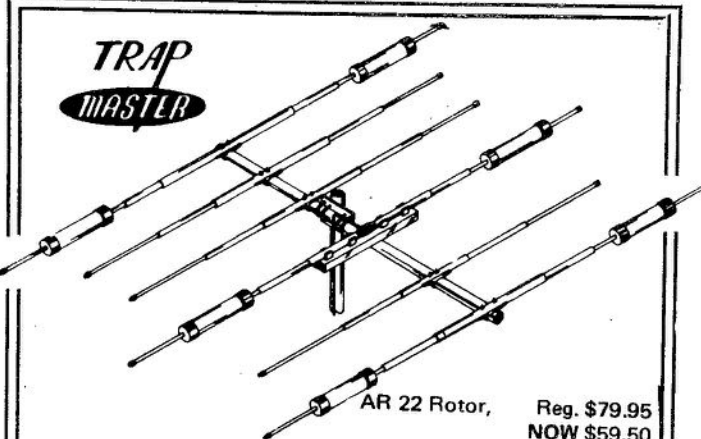
Using the video output carrier of 427.25 MHz with audio on 431.75 MHz, the repeater has an ERP of 800 watts. Antenna polarization is vertical and AM double sideband with carrier mode is employed.

Input frequency is 439.25 MHz for both video and audio, and operation takes place between 2000 and 2400 hours daily.

RSO VISITS BELLEVILLE

VE3FOV and VE3BBW gave a demonstration and talk on how to get on Fast Scan ATV painlessly, to the Quinte Radio Club on Oct. 9.

A good turnout of members and an attentive audience made for an enjoyable evening. A number of hams in the Belleville area are already interested and are looking forward to promoting activity in the area.



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BRITISH COLUMBIA AMATEUR RADIO ASSOCIATION ELECTIONS

Recent elections in the BCARA resulted in the following changes: President - Floyd Beardsell, VE7HI (21298 122nd Ave., Maple Ridge, V2X 3W5); Secretary - John Smith, VE7AYI. Notice of these results was accompanied by request for information re; joining CARF as Regular Member. This has been forwarded to Pres BCARA.

B.C. NEWS

On November 16, 1974, Dollard Electronics, Ltd. was the victim of a break and entry at their store at 3883 Oak Street, Vancouver, B.C. The following radio equipment was stolen:

IC-22 2-m transceiver - Ser. # 10410,
Dolcom A.C. power supply for above,
ALFA 174 linear amplifier - Ser. # 3041,
IC-71 6-m transceiver, with power supply - used,
Kenwood TS-520 transceiver and Kenwood VFO-520,
both brand new, serial numbers not yet available.

Anyone knowing of any of these units should immediately contact Dollard Electronics, Ltd. (604-733-9819) or their local police authorities.

A NEW AMATEUR SERVICE?

Zero Beat

Noted something different in a talk given by Mr. Walker W4BW, Chief of FCC Amateur and Citizen's Division, as recorded in QST, October 1974.

They are considering a new Amateur Service. Possibly we in Canada might also think along this line. He pointed out that there are more than 250,000 licenced in the USA, but perhaps only 179,000 active, also they are losing about 350 per month.

He points out that Japan has about 400,000 licensed, but that 80 per cent hold a telephone class only. He predicts that possibly in five years, the code free licence may generate one million Hams. Certain frequency and power would, of course, apply. A cut off of 29 MHz has been suggested, as a code free would fall mostly on VHF and UHF.

It's worthwhile considering this type of Service in Canada too.

VE2 NEWS THE MARC CODE PRACTICE SESSIONS ON-THE-AIR

The Marcogram

For a few months now on an experimental basis, the Montreal Repeater VE2BG, has been utilized for the purpose of code practice.

Starting originally as a means of aiding the handicapped, it soon became evident that others were finding the sessions most useful. In fact, it became another MARC free voluntary service to and for the community.

Now, after a long trial period, it has been decided that the Club will organize the practice periods and share the necessary work to be done among a group of ten members.

Members are therefore being sought to participate in this enjoyable and useful MARC service to the community, which is carried out from the comfort of their ham shacks. Please forward your names to the MARC president.

RADIO SOCIETY OF ONTARIO ELECTIONS

Recent elections resulted in the following changes: President - Lorne Dornen, VE1SZ (ICARF Ontario Director); Ontario Delegate - W.W. Leeks, VE3AR; Alternate Ontario Delegate - George Dava, VE3BBW.

ONTARIO NEWS YOUNGEST HAM IN CANADA

Metro Bulletin

A title that seems to be up for grabs since the age limit was removed is that of the youngest ham in Canada, a title that one of the members of the Metro ARC may be able to claim. The Ontario Amateur (June, 1974) mentions the possibility that a young lad in Burlington, getting his ticket at 12 years of age, might be the youngest ham in Canada. Glenn Lovsin, VE3HIL, studied in the Metro ARC Code and Theory Class of 1973-74 and passed his test last spring at 11 years and two months. He will not be 12 years old until March of 1975.

SPACE LISTENING

West Side Signal VE3EQF

On August 24, 1924, the vast majority of commercial radio stations along with Amateur stations and all military operations ceased to transmit. Everybody listened. The reason was that the planet Mars was as close to our planet as it will ever likely be. For years, people had been hearing weird signals coming from outer space and many authorities believed they had it pinned down to Mars, and were convinced that there was life there trying to communicate with us. Therefore they asked everyone to shut down and listen.

Just what they heard I don't really know, but information would be appreciated on what took place and what, if anything, was heard.

NEW BRUNSWICK NEWS THE VE1KI STORY

Several years ago, Jim VE1DH conceived the idea of a 2 meter FM repeater for the St. John area. He set about collecting equipment and materials to put the repeater on the air. Then Paul VE1FJ and Paul VE1AMQ moved into the area and put their knowledge to work in assisting Jim.

VE1KI first went on the air about three years ago using an input frequency of 146.460 MHz and an output frequency of 146.940 MHz. The configuration of the original repeater was quite basic but improvements have been continuously added.

New antennae have been installed and the present configuration achieved. Improvements are still in the planning and modifications are being added. VE1KI changed to its current frequencies in April 1974, 22 - 82.

The repeater is located about ten miles east of the City of St. John and the coverage is quite extensive considering the terrain in this area. It now has good coverage for mobile work in a semicircle covering Norton, Welsford to Pennfield Ridge. Base stations can work through the repeater from the Fredericton, St. Stephen, St. Andrews and St. George areas in NB plus many locations in NS as far away as Yarmouth and Kentville. Also mobile communications are quite consistent throughout the Annapolis Valley in Nova Scotia.

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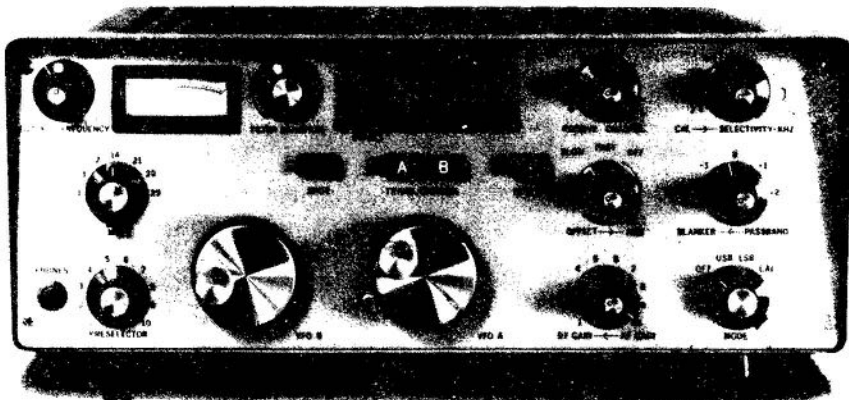
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CLARA NEWS

Remember our Clara net Tuesday 14.160 at 19:00 GMT

Attention: as an experiment, we are going to try a once a month 75 meter net. This will be held on the fourth Tuesday of each month at 0100GMT around 3770. Look around though, as we don't want to interfere with another net.

This net is to provide communication between the YLs that don't copy each other on the 20 meter net. Of course, OMs will be welcome as usual. Could stir up a bit of interest for those not available during the day.

Need any info on the VE7 YL net on 75? Contact Jeanne VE7JB. Would like to see this net grow.

VE8 ACTIVITIES

Diana, VE8NN

VE8DX (Doug, Fort Smith) new call, working 80M on a trap vertical. Ex VE4GD.

VE8AAA Fort Smith Amateur Radio Club station has a new station.

VE8BL (Bill, Clinton Creek, Yukon) on 20M again after summer vacation.

VE8OR (Foster, Inuvik) moved to B.C., I believe.

VE5NS/8 (Al, Fort Smith) new home brew 4 element 15M beam so ready for the big contests and pileups.

VE8AK (Lorne, Watson Lake, Yukon) ex VE6AWI.

VE8WW (John Fort Smith) finally has the CW rig fixed up and working 20M.

VE8OV (John, Fort Smith) active on 20M CW.

DOC NEWS

DOC informs that they have no immediate plans for changing the Radio Regulations in the immediate future. They wish to see all changes incorporated in the general review of the regulations now underway by the Federation.

The DOC is still studying the requested expansion of the Cdn sub phone bands. Recent data gathered by the DOC tends to show that, after the first flush of activity following the US re-allocations. CARF would appreciate any data and information that you may have that would support, or deny, this data.

DOC has denied CARF's request that the Dept officially express concern over the recent FCC proposal re the Radio Amateur Civil Emergency Services (RACES). In effect, the FCC propose the permission of non-Amateurs to use Amateur equipment and frequencies in this Service during exercises, tests and in emergencies. The DOC reply states that the ITU recognizes the sovereign right of each country to regulate its telecommunications and that this is an internal matter. However, if this proposal is adopted, the DOC will then examine the full impact on the Canadian use of those portions of the frequency spectrum involved.

CARF has submitted a brief opposing the DOC proposal to alter the basic concepts of the G.R.S. This brief, copy forwarded to Cdn Dir ARRL, has been supported by the Cdn Dir ARRL and DOC so notified.

The RSO Convention

VE3CRL

This year, in spite of the busy pace set by our genial President, VE3AHU, we decided to skip out of the odd meeting and forum, and see a little more of this convention than we usually do. The big excuse we gave to Art was that your Federation needed some photographic coverage, and T.C.A. could use a little dose of the average OM's view of a typical R.S.O. Convention. As it turned out this was anything but an average affair.

The premises were somewhat (!) smaller than last year's event in Kingston, but the attendance and the crowds were like going down to the alt mine in rush hour, on the good old Toronto Subway. It probably reminded the YL's of a January sale in Eaton's.

Various groups operated hospitality rooms, among them Toronto FM Group, Canadex, R.S.O. Quarter Century Wireless Association, and the White Caners. Knowing that we had a lot of ground to cover in a short time, (and besides we had to keep the camera in focus), we didn't visit too many of these. Especially since our hotel room became the C.A.R.F. hospitality room at the last minute.

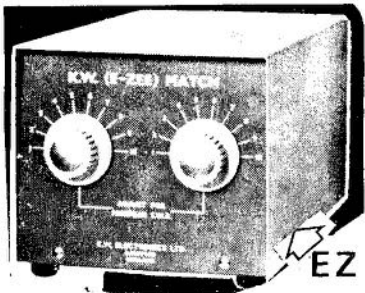
In addition to the usual R.S.O. Annual meeting, and the R.S.O., C.A.R.F., D.O.C., A.R.R.L. National Forum, of which more will be heard elsewhere, there were talks on 2 Meter FM (VE3DJS), Troubleshooting in the Shack (VE3DSP), DX-ing VE3MJ and VE3GMT), ATV (VE3DW, VE3CDM and VE3BBW), Teletype (VE3OR), IC's and Transistors (W1YNC) and Propagation Forecasting (VE3JX). As if that were not enough there was a continuous film show featuring five films of interest to Amateurs.



CARF President A. Blick and IRTS President E. O'Kelly

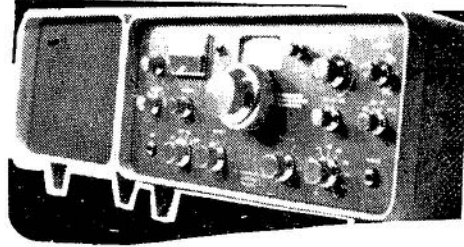
We popped in and out of some of the meetings and talks and managed to snap a few pictures for T.C.A. Meanwhile with some trepidation we eavesdropped on some of the features in the ladies program. Such items as make-up and creative stitchery, we spied on from behind the doorway like the typical enemy agent in foreign territory. When we noticed some youngsters busy at oil painting, which happens to be another of our interests, we threw caution to the winds. Ladies programme or not we were on familiar ground again and what the heck, we found ourselves being welcomed as a fellow aficionado by a most attractive art teacher. Miss Yvonne Roach showed us

[Continued on Page 10]



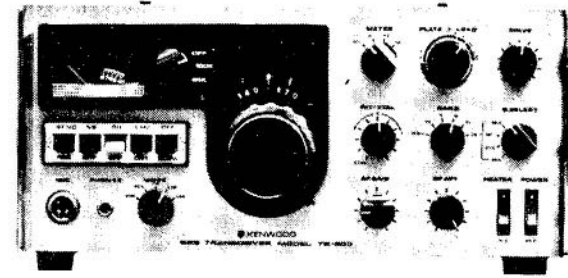
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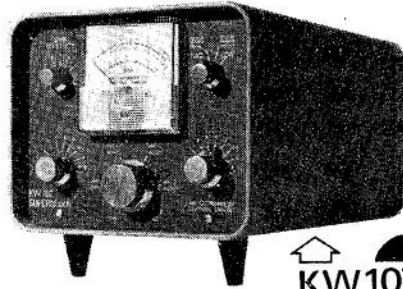
too numerous to list. Its specifications are superb. The TS-900 is unquestionably the best transceiver of its kind ever offered.

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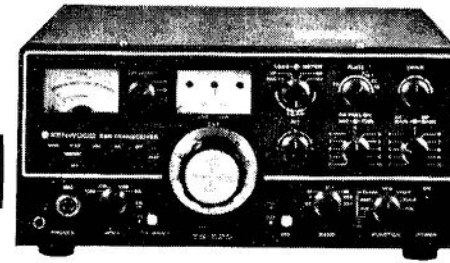
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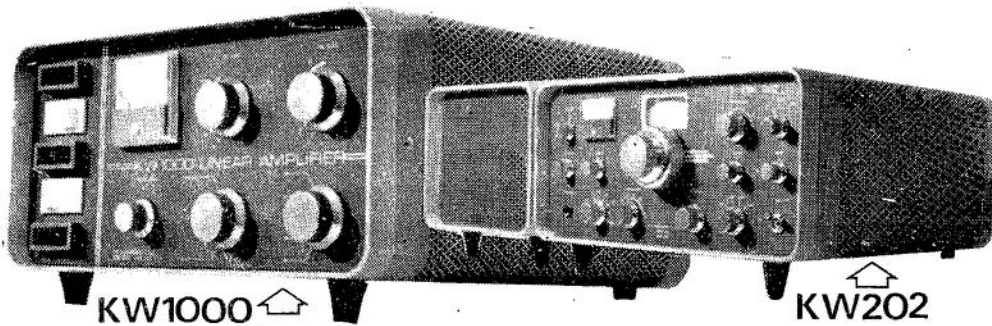


KW107



TS-520 Kenwood's go every place ... do everything transceiver

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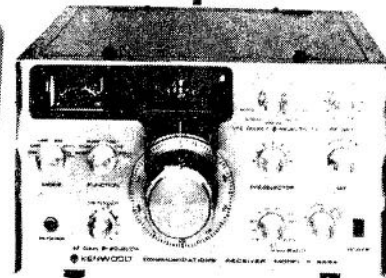
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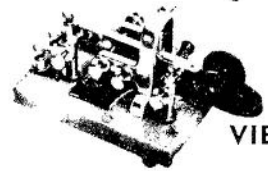


R-599A Receiver

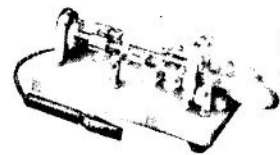


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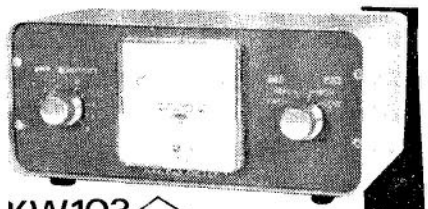
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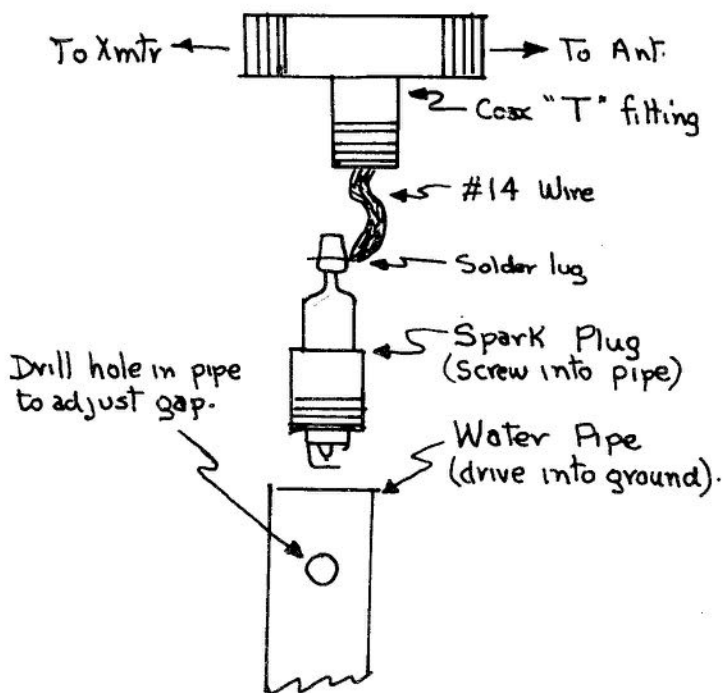
KW204



Damage from electrical storms

It does not require a direct hit from a bolt of lightning to cause damage to your rig. Two recent mishaps occurring to SSB transceivers were created by a Nearby strike which affected the antenna circuits in both rigs, destroying a rectifier in the SWR bridge and simultaneously destroying the BFO transistor in one. Symptoms resulting from non-grounded systems that have been in thunderstorm areas may include the following: garbled SSB reception, loss of control of RF gain and limiter adjustments, loss of meter functions in the SWR and power positions.

Although thunderstorms are seasonal, now is a good time to get at all those things you promised would be done last summer. To protect your system and yourself, install a lightning arrester as shown in the diagram of purchase a commercial mode. Radio Shack makes one available for \$5.50 (catalogue number 21-1049).



A POOR MAN'S LIGHTNING ARRESTER

RSO Convention

Continued

around this display by her students from Bishop Ryan High School and we absorbed a little culture in the form of oils and watercolours, mixed media, and rug hooking. This was a most interesting display,--too bad a lot of OM's passed it by, as strictly for the YL's.

As we dashed about here and there, burdened down with camera and strobe, we were continually accosted by old friends from Toronto, Hamilton and Ottawa areas, and many friends made in our prior activities in Metro Amateur Radio Club, and the R.S.O. from all over Ontario. A good many Amateurs whom we did not know personally, good friends of your Federation, introduced themselves and kept Art, Doug and I busy chatting as we tried to be everywhere at once. Wherever we went we bumped into Fred Robinson VE3GCP Convention Chairman and his XYL who were busy as bees keeping things going, at a dizzying pace. They kept popping up in the Flea Market, in the Heath display, everywhere some group or exhibitor needs assistance.

Your C.A.R.F. officers were delighted to find that Eoin O'Kelly EI6BX, the President of the Irish Radio Transmitter Society was at the convention as the guest of Fred Hammond VE3HC. It was a pleasure to renew acquaintances with Fred, and to meet Eoin, a most engaging Irish gentleman. Art and I discussed international Amateur radio with Eoin, and Eoin persuaded me to take a picture of Art wearing the Irish Presidential chain of office.

All in all it was a most satisfying convention. We are promised even bigger and better things in Ottawa at next year's R.S.O. Convention--A tall order for the boys (and girls) from Bytown.

FREQUENCY PREDICTIONS-- CANADA TO MIDDLE EAST

Data supplied by Canadian Forces Communication Command HQ. All times are in GMT. EJF predictions for probable band openings; FOT predictions for probable best times for traffic handling.

	15 January			15 February		
LOCATION	EJF	20M	FOT	EJF	20M	FOT
St. John's, Nfld.	1130 - 1630		1130 - 1530	1030 - 1830	1130 - 1715	
Halifax	1215 - 1630		1230 - 1615	1130 - 1730	1200 - 1645	
Fredericton	1200 - 1630		"	1230 - 1730	1245 - 1700	
Quebec	"		"	1215 - 1730	"	
Montreal	"		"	"	"	
Ottawa	"		"	"	1245 - 1715	
Petawawa	"		"	"	"	
Kingston	1200 - 1700		"	"	"	

RECIPROCAL LICENCING ARRANGEMENT WITH MEXICO CANCELLED

The DOC has been advised by the Department of External Affairs that the Mexican authorities have informed them that they do not wish to establish a formal Amateur Reciprocal Operating Agreement with Canada. In addition, it is External's belief that for the foreseeable future, Canadian Amateur radio operators temporarily resident in Mexico will not be permitted to operate their stations by the Mexican authorities.

In view of the foregoing, Mexican nationals temporarily resident in Canada will no longer be authorized to operate their Amateur radio stations.

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AUTHORITY TO OPERATE IN THE USA

The national Federation has copies of the FCC 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 envelope (marked U.S. FORM) to CARF, Box 356, Kingston, Ont. K7L 4W2.

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CARF

2nd Edition 1974

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Iraq, Khmer Republic**, Libya, Pakistan, Somalia, Sudan, Viet-Nam*, Peoples Democratic Republic of Yemen.

* - Stations XV5AA, XV5AB, and XV5AC have been authorized to exchange communications with Amateurs of other countries.

** - Station XU1AA has been authorized to exchange communications with Amateurs of other countries.

THIRD PARTY TRAFFIC AGREEMENTS

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

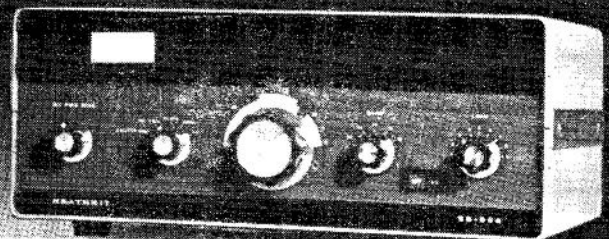
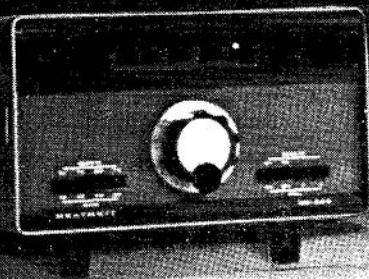
RECIPROCAL LICENCING AGREEMENTS

Belgium, Brazil, Dominica, Dominican Republic, Ecuador, Ecuador, Federal Republic of Germany, Guatemala, Iceland, 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 is shown that a country does not grant reciprocal operating privileges to Canadian Amateurs.

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