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# XTAL

for the

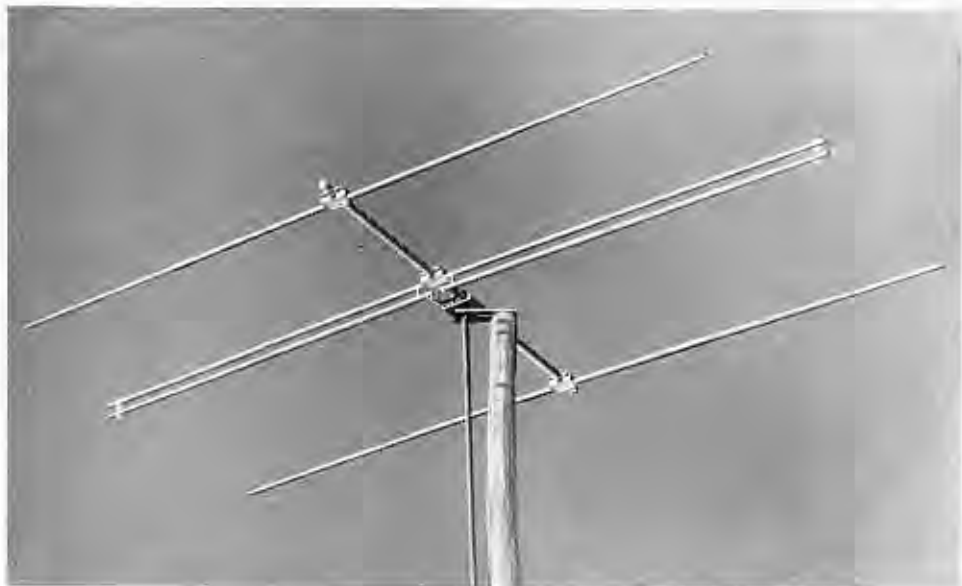
# radio amateur

## *Greetings*



★ *The President of CAROA is joined by the members of the Executive Committee, and District Representatives, in expressing to amateurs everywhere, and to XTAL advertisers, the simple but sincere wish that this Christmas will be the best ever.*

★ *Then as we swing into 1950, it is our combined hope that the unfolding of the year will prove it to be one of unlimited beneficence to all.*



# HAMMOND

## TEN METER BEAM MODEL 1321

A three element all metal beam using a reflector, a director and a folded di-pole radiator. The elements are made of large diameter special alloy Aluminum Tubing with excellent tensile strength and telescopic outer sections provide ease of adjustment and are of sufficient length to permit 11 meter operation.

Model 1321 will give excellent results and maximum gain when it is adjusted to the lengths and spacings for desired frequency as shown on the chart. No further tuning is required for average installations. The centre impedance is 90 ohms and twin conductor co-ax BA4M as a feeder will provide a balanced line. Other feed systems may be used providing they match the centre impedance of the radiator.

The complete array is designed for low wind resistance and is constructed to withstand the rigours of a Canadian winter and is supplied with an 8 x 8 inch steel mounting cradle for bolting to your rotating head and complete instructions for easy assembly. Overall maximum dimensions 9' 7" x 17' 6", total weight 26 lbs., driving torque approx. 2 foot pounds.

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**HAMMOND MANUFACTURING COMPANY**

*Limited*

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to read meters  
...in the dark!**

How often have you wished for a meter you could see *clearly*—the whole scale of it, wherever you were using it—in the dark, under low lights, or even in the kind of glare that causes reflections on the glass—a really illuminated meter for your transmitter? Well, here it is—the result of a new Simpson patented method of illumination.

On these new Simpson Illuminated Meters (A.C. and D.C. voltmeters; D.C. milliammeters; and Radio Frequency ammeters), every fraction of the dial face is flooded with a full and even radiance—there isn't a spot of shadow.

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Behind this refinement to the basic reason for preferring Simpson instruments—their in-built accuracy. That high quality which is the indispensable component of every Simpson instrument makes sure that the accuracy will *stay* there, year after year.

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3" Rectangular Case. Width, 3"; height, 3-1/8". Mounts in round hole. Body diam. 2 3/4".

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INSTRUMENTS THAT STAY ACCURATE



**THE NEW SIMPSON  
MODEL 240  
"HAMMETER"**

first self-contained pocket portable instrument built expressly to check high voltage and component parts of transmitters and receivers.

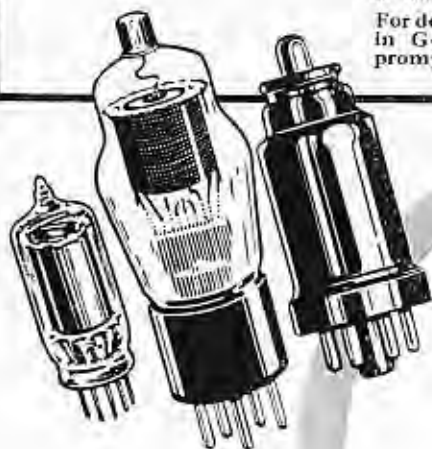
Ranges: 0-15, 150, 750, 3000 A.C. volts; 0-15, 75, 300, 750, 3000 D.C. volts; 0-15, 75, 300, 750 D.C. milliamperes; 0-3000 ohms (center scale 30). 0-300,000 ohms (center scale 3000); 1000 ohms per volt A.C. and D.C.

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DECEMBER XTAL

# XTAL

(CRYSTAL)

Published by  
THE CANADIAN AMATEUR RADIO OPERATORS'  
ASSOCIATION

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DECEMBER, 1949

## IT'S THIS WAY

You haven't had a XTAL for some time, have you? My, oh my, how the letters of inquiry have been coming in! Seems like an awful lot of people miss their little magazine when it fails to make its appearance for a couple of months or so. But we have had troubles!

The Christmas season is no time for woe, so we shall not burden you with the details of countless difficulties that have beset us in the production of XTAL. But, brother, we have had troubles.

Coupled with other things, we no longer have an advertising solicitor, or salaried office help. All things are done voluntarily in our leisure hours. If you have never tried to run an association office and put out a magazine under such circumstances, give it a whirl sometime. Gals and boys, it is really something. Even the office routine of trying to keep abreast of changes of addresses in the association records, and XTAL mailing list, is something of a chore, not to mention change of membership expiry dates as renewals are received.

We certainly appreciate your patient indulgence, co-operative understanding and continued interest. By golly, you are such a swell gang that you inspire us to whack away at our labors no matter what difficulties loom up in front of us.

Maybe you haven't liked the last few issues of XTAL. Neither have we. Nor have we been at all times pleased with its intermittent appearance. We hope to get the magazine back on its monthly feet early in the new year. We hope, also, to make it a diversified publication that will be as personal as your own shack.

That is exactly what XTAL should be because it is YOUR magazine. It is not a commercial venture. It is owned by YOU and YOU and YOU, and it should be precisely what YOU and YOU and YOU want it to be. In so far as your wishes are concerned, there is only one thing we clearly understand and that is that you want XTAL monthly and THAT is our objective for 1950.

In the meantime, here is another issue and, brother, it sure was a tough job to get it out!

## MESSAGE BLANKS

Message blanks are now available from CAROA HQ. Pads of 50 are 35 cents each, three for \$1, postpaid anywhere in Canada. The low markup will not allow the expense of invoicing, therefore we cannot send message pads unless remittance accompanies order. Make your traffic work easier. Order today.

## CAROA ELECTIONS

Following the call in June XTAL for nominations for vacancies on the executive committee, nominations in good order were received for Paul Bourassa, VE2JN; S. J. Chapman, VE2LV; Pierre Gaudette, VE2AEH; J. K. Holland, VE2LO; G. R. Morin, VE2RM; Andre Robert, VE2YH; J. T. Stacey, VE2XB; R. W. Way, VE2WY; Elton Culp, VE3AUQ; G. Eric Farquhar, VE3IA; D. S. Hutchinson, VE3DU; R. Lautenslager, VE3ATR; J. A. Musselman, VE3AZH; Ray Brown, VE5RB.

Balloting produced the following results: 3DU, 102; 3ATR, 98; 3AUQ, 88; 3AZH, 81; 3IA, 80 — first four elected for Ontario.

In Quebec, the poll was: 2XB, 23; 2LO, 20; 2JN, 20; 2LV, 19; 2RM, 18; 2WY, 18; 2AEH, 16; 2YH, 9. The first four were declared elected and 2RM and 2WY were requested to break their tie by lot or by agreement. This result has not been communicated to headquarters.

Ray Brown, 5RB, was declared elected for Saskatchewan.

The appointment of Madolyn Sinclair, 5YF, as district representative in Saskatchewan, requested by clubs in VE5, was approved by the executive committee, and the co-operation of VE5's in compiling her report is solicited.

## DESIGNATION OF EMISSIONS

The following information has been received from Mr. S. J. Ellis, District Superintendent of Radio, Toronto:

"With regard to F1, F2 and F3 as indicated on the license, I may say that the symbol "F" is used in the Radio Regulations annexed to the International Telecommunications Convention (Atlantic City, 1947) to indicate frequency (or phase) modulation, and symbols are defined in these regulations as follows:

"F1 — Telegraphy without the use of modulating audio frequency (frequency shift keying).

"F2 — Telegraphy by the use of a modulating audio frequency or frequencies, or by the keying of the modulated emission (special case: an unkeyed emission modulated by audio frequency).

"F3 — Telephony."

## WELCOME, OM

Graduates of the code classes at the Niagara Peninsula A.R.C.C. who have recently received calls are: H. Ross, 3BAH; R. Sudden, 3DCE; T. Pepper, 3DCG; V. Smith, 3DDJ; R. Cummings, 3DDO; M. Howarth, 3DEE. Congratulations, fellas, and good luck.

# EVEREADY TROPHY CONTEST RESULTS

June 18 and 19 of this year marked the date of the annual Field Day contest for the Eveready Trophy. Once more conditions seemed fairly good and the contest appears to take on more and more, the aspect of the Sweepstakes. Participation was at an all-time high this year, making it much more difficult to copy signals through the masses of QRM. The emphasis placed on directional antenna systems and highly efficient rigs paid off for the top clubs.

The Field Day contest is the one which really tests both the operating ability of operators and equipment. To have the ability and fortitude to transport complete station equipment, set it up, and then operate it with an efficiency that parallels what you would expect at a ham station, is truly the mark of an A-1 operator or group. Nowhere else can the value of team-play be shown to better advantage, as a team for which each move has been planned can carry right through to success only if each member of that team contributes his rightful share of effort.

This may not seem too important to the casual participant in Field Day. The value can best be illustrated by reference to operation under disaster conditions, which, after all, are the conditions for which Field Day is supposed to be a rehearsal. What does it matter whether the equipment is some knock-up junk that has

been thrown together for want of something better or whether it is a piece of completely planned equipment maintained solely for the purpose of use at times of national emergency? The important fact is that such equipment should reach an appointed place at an appointed time and be ready to function as a part of a given operation. That the site chosen is merely a location for participation in a contest does not alter the fact that the training and experience gained in this way will prove invaluable to anyone forced to set up a station in a disaster location.

No less an important factor is the ability of the individual operator to transmit and receive messages in a standard form to allay possibility of confusion. The preamble and form of the contest exchange is designed to acquaint all operators with the standard message procedure adopted by amateur organizations all across Canada and the States.

Leading this year's contest for the third time running is the West Side Radio Club of Toronto, using the club call VE3JJ and operating from a location near the town of King, some 20 miles north of Toronto. This year 3JJ ran eight transmitters simultaneously with 30 operators, assisted by three SWL's who supplied hot coffee, etc., as required, all combined in the compilation of a grand total of 8883 points. In second place was the Clinton Amateur Radio Club, the club of the R.C.A.F. station at Clinton, Ont., using the club call VE3BER/3. The club with its 15 operators set up five transmitters and operated from Ben Miller, garnering a total of 3654 points. Next was the Kingston Amateur Radio Club, VE3ASM/3, 2601 points, followed by the Peterboro Amateur Radio Club, VE3AEA/3, with 1296 points.

The biggest and, in our opinion, most legitimate complaint about this year's contest comes from the gang at headquarters. The complaint has to do with the small number of logs being submitted for entry in the contest. This year, as before, participation in Canada for the "Eveready Trophy" is marked by the submission of a log to CAROA headquarters. The only clubs which sent logs this year are the four listed above. Rumor has it that several of the bigger clubs across Canada have just given up competing against the West Side Club. Surely some of you fellows out west aren't going to let these eastern dudes put it over you that easily.

Let's make 1950 the year for bigger and better entries. Do you fellows know that the West Side Club has been treated to two free banquets by "Eveready" and a third one is now in the offing? Remember it is just as easy to make two carbon copies as one and to post two envelopes as one. So here's to 1950 Field Day and may the contest department at headquarters get snowed under with logs. (And we don't mean the spruce variety either.)

— Art Frazer, VE3ANO.

## WIRELESS SET

No. 19 Mk. 3

2-8 Mcs—230-240 Mcs

Limited Quantity — Brand New

### Group A

CW Installation Kit — 3 Headsets and Microphones, Aerials, Extra Set of Tubes, in original packing, 2 cases, 250 lbs. \$59.95

### Group B

Same as above less extra set of Tubes, repacked, 1 case, 240 lbs. \$49.95



## HUNTER'S RADIO SUPPLY

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TORONTO 5 — RA. 4975

## BOOK REVIEW

**Electrical Essentials of Radio**, by M. Slurzberg and W. Osterheld. 529 pages, 366 illustrations; \$5.75; McGraw-Hill, 50 York St., Toronto.

Here is an excellent book for the radio student to use in home study, written by capable authors who apparently understand the best way to present a problem so that self-instruction becomes easy. For students or radio enthusiasts with a basic knowledge of radio principles, it will be a valuable asset to their library. For the teacher and instructor it will be a tremendous aid as a reference source.

The authors have realized the need of a book in the intermediate level and have presented all phases in an easy-to-understand manner. Problems are explained and examples used to make sure a thorough understanding results. Questions and answers at the end of each chapter further assure the student he is progressing in the right manner.

Mathematics in this book involve only the use of addition, subtraction, multiplication, division, and square root. Visual instruction is used throughout to illustrate each principle as it is presented. Eighteen appendices provide reference data to aid in solving any problem in the book. A bibliography at the end of each chapter directs the student to further sources on that particular subject. All phases of radio, including recent advances of major importance, are discussed, and Messrs. Slurzberg and Osterheld are to be congratulated in the modern methods used in putting across, between the covers of one book, so much valuable and timely material.

We can strongly recommend this book to all interested in furthering their studies in the field of electronics.

—E. B. Kimble, Ve3FQ.

## UHF IN Ve1

1QZ sends in report of VHF doings in the maritimes. 1DF, TF, TR, QY, JK and QZ are on six. QY is on 144 and 235, and set a 235 record with W1CTW, using 100 watts to an 829B. Oscar QZ is going to try 235 soon.

We have received a nice picture of the shack and op at Ve8BV, who has been in Whitehorse for 21 years. He works 75, 20 and 10 phone.

## VE 25-YEAR CLUB

Ve7ABO, L.B. Vaillancourt — Was Ve4AE 1921-24, 5DB 1930-31, 7ABO, Shalalth, B.C., 1946.

## CAROA LAPEL PINS

Sterling silver lapel pins bearing the CAROA emblem are available at 75 cents each, postpaid. Send for one to CAROA, 46 St. George Street, Toronto 5, Ontario.

## BACH-SIMPSON PROMOTION

G. W. Crossan, Jr., well known throughout Ontario and Quebec, has been promoted to a post as Sales Manager with Bach-Simpson Limited, London, Ont.

For the past two years Mr. Crossan has been serving as technical sales representative for Bach-Simpson Limited, London; Powertronic



Equipment Limited, Toronto, and Hammond Manufacturing Company Limited of Guelph, Ont.

In his new capacity, Mr. Crossan will devote his entire time to sales and distribution of Bach-Simpson products and providing specialized technical assistance to design engineers.

Mr. Crossan was previously with Canadian Line Materials, and prior to that was in charge of engineering for the Associated Broadcasting Company. This experience culminated with engineering service in Research Enterprises Ltd. during the war and he is well qualified to represent Bach-Simpson Limited in all their lines. He is an associate member of the Institute of Radio Engineers and a licensed amateur under the call VE3NB.

## SCARBORO A.R.C. 4th ANNUAL BANQUET

Y.W.C.A. Building  
1152 Gerrard St. East, Toronto

Saturday, February 11, 1950

Registration starts 3 p.m. Dinner served at 6.30 sharp. Tickets limited. Get yours early. Tickets \$3 per person. Prizes, entertainment, rag-chews, etc. Watch supply stores for placard announcement regarding ticket sales.

# DX DOINGS

## B.E.R.U. DX TESTS

The annual B.E.R.U. Contests take place Jan. 14-15 and Jan. 28-29, 1700 GMT to 1700 GMT, for CW section, and Jan. 21-22, same hours, for the phone section. Power limits are 25 watts input for junior divisions and 150 watts for senior. All members of CAROA are eligible for competition. Logs must be sent R.S.G.B. within eight days of close of each contest. Proof of contact transmission will consist of RS or RST report, followed by consecutive numbers starting anywhere between 001 and 400. Good hunting.

## EAST AFRICAN SPECIAL AWARDS

VQ5PDB informs headquarters as follows: "The Radio Society of East Africa takes pleasure in offering annual certificates to any amateur proving contacts with one VQ3 plus one VQ5 plus three VQ4 stations per annum. Each certificate will be in the form of a special souvenir card bearing a large photograph of East African big game, etc.—a different photo each year. Possession of five annual certificates, together with proof of contact with one VQ1, will entitle the holder to claim the WEA (Worked East Africa) Award, a very special trophy. A fee of \$1 must accompany application for awards. Applications for awards for 1946, 1947 and 1948 may be sent now to E.A. QSL Bureau, P.O. Box 1313, Nairobi, Kenya Colony, British East Africa.

A photo of the certificate, which is 15" by 10" in the original, shows it to be a worthy addition to the wall of any shack.

VO6EP sends a list of new countries worked, including YK1, EA6, WoMCF/C3 (Formosa), SV5, AP2, HZ1, ET3, VK9, FF8, KW6, VU7, TA3, YS1, VS1, XZ2 (Zone 26), EP5, VK1, VR4. Art's totals are now 170 countries, 137 confirmed, and 39 zones.

Ve8AS scored some new ones with CR9, KZ5, VP5, KS4, KP4, HPI, II, EA1, VS6, and Zone 31 with UA0KFD. Now has 75 countries and 31 zones. Worked a three-way with ZL2FI and Ve8FW 150 miles away.

How VO6EP does get around! Just received another list from Art which covers VK1, VR4, VP8, FK8, FOS, KM6, KB6, PK3, PJ5, SP5, CR4, LU2, MD4, SA9 and ZS9.

Through Ve3BYJ, PY7WS, Box 417, Fortaleza, Ceara, Brazil, asks Ve4's, 5's and 6's to listen for him between 7010 and 7020 Kes. Batista needs 7Mc cards from those provinces to complete his WAVE docket.

## HAM CLUB HELPS "Y" BOYS CLUB

Early in the morning on July 16, the Y.M.C.A.'s Camp Inuspi at Waterton Lakes was hit by a fire which destroyed the main hall and all its cooking and sports equipment. For five years the camp has been a haven for vacationing youngsters of all ages. Here at the camp, under leadership of older boys, they were taught mountain-climbing, leadership and other useful hobbies.

As the fire took place during the last few days of boys camp, at least some of them had a week or so of fun. But what of next year? The only thing to do was raise funds to build and re-equip the hall. Such was the case when put before the S.A.A.R.C.

It was decided to help with a donation plus what was made on our annual social. So with some planning and through the medium of the club paper, the social date was set for Oct. 22. Numerous beautiful prizes were donated by some of the merchants in Lethbridge, while bits of radio gear were donated by club members.

Sixty-seven people were on hand to enjoy an evening of fun, with a prize for every event and some over for a raffle later on. Quite a few out-of-town members braved the mild and threatening weather to add their support to the cause.

A very interesting program was drawn up which had dancing and a few hands of whist and other games. Autograph bingo was played to determine the winner of the door prizes—a 14-inch speaker for the men and a sweater for the ladies. Supper was served after the program.

The amount of \$31 was taken in from the door raffle. The party broke up at midnight and everyone went home with the satisfied feeling that they had done their bit toward Camp Inuspi, and had fun doing it.

—Ve6PL—Bill Stanton

## TRAFFIC TOTALS

### September

3ATR	116	3BUR	271
3BCZ	39	3IA	32
3WK	76	3BBM	92

### October

3BVR	16	3BBM	21
3IA	131	3WK	52
3APS	41	3BUR	73

Stations active on QON net month of October: Ve3ATR, Kincairdine; 3IA, Burlington; 2BE, Lachine, Que.; 3AZZ, Timmins; 3BBM, North Bay; 3BYH, Iroquois Falls; 3WK, Toronto; 3BVR, Hamilton; 3DCW, Goderich.

## Ve7ARA, PACIFIC NATIONAL EXHIBITION

Ernie Savage sends in a report on the operation of Ve7ARA by the B.C.A.R.A. at the Hobby Show at the Pacific Exhibition, Vancouver. About 100 people per hour passed the display, and considerable traffic was handled. The station picture shows a two-meter transmitter and beam with light antenna indicator for demonstration purposes; 75 phone transmitter, 20 and 10 meter transmitters; BC348, HQ129 with Gonsel, SX25 receivers.



# CAROA CLUB ACTIVITIES

**Abitibi Amateurs Association** — The newest amateur organization in the Province of Quebec was formed Oct. 9 in Amos. Among those present were VE2ABP, ABU, ACT, ACP, CV, ABS, AAH, SC, AHS, AFH, ACC, AHU, AHV, ADI, ADA, ADD, RB, VG and CN. SC of Perron Mines took over the helm and conducted proceedings. When the elections were completed the new club had its first slate of officers. BW was chosen president, SC vice-president, and RB secretary-treasurer. To represent the different localities in the Abitibi area the following directors were elected: La Salle district, 2ABP; Val d'Or, 2ACP; Malartic, 2AFH; Amos, VE2VG. All those at CAROA HQ wish to take this opportunity to wish all of you in the A.A.A. every success in your new undertaking. Those wishing to communicate with the Abitibi Amateurs Association should write to the secretary-treasurer, M. Marcel Planeuf, VE2RB, Box 33, Amos.

The **Northern Saskatchewan A.R.C.** held their annual get-together in Prince Albert Nov. 5. About 35 amateurs and their ladies sat down to a bountiful banquet. Among those present were W7LYN, VE5FY, honorary president; 5YF as representative of CAROA, and 5FX and his new bride, 5AW, Stan Smith, as retiring president, gave a resume of the year's activities and difficulties. He felt that the club had gained a lot of experience since its inauguration a year ago and should really flourish in the coming year. The following officers were elected: Honorary presidents, 5HT, Harold Tee, Regina, and 5FY, Heddle Sinclair, Saskatoon; president, 5PA, Marshall Allbright, 317 16th St. W.; vice-president, 5CE, Marcel Robert, Leask; 2nd vice-president, 5VB, Tom VanNes; secretary-treasurer, Bob Paul, 523 5th St. E. At the close of the evening the gang all gathered at the home of Mr. and Mrs. Stan Smith, where refreshments were served by the ladies.

The **Saskatoon A.R.C.** held their November meeting at the university, when Floyd Vawter gave a most interesting talk on radar. Ve5MV, Mervin Falk, president of the Campus Club, introduced the guest speaker of the evening. Several members of the University club were present, along with Ve5VB, Prince Albert; Ve5PA and his xyl from Prince Albert, and Ve5HJ from Shellbrook.

The **Regina A.R.C.** held a social evening at the Armouries on Nov. 7. Fifty-eight hams, would-be-hams, xyls and yls reported a good time. 5LV was there keeping up with the gang, sore ribs and all, Ve5JK and his wire recorder, with 5SH as official observer, went over with good results, despite the heavy background QRM. During intermission many good prizes were awarded. It was a good party and everyone had a swell time.

The **Kingston A.R.C.** meets at H.M.C.S. Cataragui, Wellington St., on the first and third Wednesdays of each month.

**Nortown A.R.C.**, Toronto, held elections at its first fall meeting. The new officers are: President, Bert Bickerton, 3RU; vice-president, Richard Roberts; secretary, Edward Whyatt, 3BVC; treasurer, Lou Gold, 3BSX.

A new club has sprung into life at the Queen City. It is the **Hart House A.R.C.**, whose members are undergraduates and staff of the University of Toronto. Its formation was inspired by the successful history of a similar group during the past three years at the Varsity's Ajax Division, now closed, where it operated Ve3BPD. The call has been transferred to the new group, which is seeking some cranny on the overcrowded campus in which to establish the station. An extensive schedule of beginners' code and radio theory has been organized by Cliff Brown, Ve3AGN, who sports the title "Director of Studies." Bob Andrews, VE3RA, who hails from the Lakehead has been appointed club engineer, with sole charge of the maintenance of one code practice oscillator until quarters are found for bigger things. A major feature of activities, of interest to both licensed and unlicensed members, will be the introduction of guest speakers. The first open meeting for this purpose is planned for mid-January.

At the annual meeting of the **Victoria Short Wave Club** the following officers were elected: President, R. V. Parrett, Ve7TG; vice-president, C. R. D. Ferris, 7PO; secretary, E. F. Wadsworth, 7AAD; treasurer, N. Dixon, 7PX; board members, A. M. Baxter, 7AJV; W. Mallet-Paret, 7AM; H. R. Hough, 7HR (retiring president). The subject of main interest at this meeting, which was well attended, was the declining attendance at meetings since the summer. This was thoroughly thrashed out, and tentative plans formed to remedy it. Wieners and coffee concluded the evening's programme.

The **A.R.C. at the University of Saskatchewan** are looking forward to a good season. Their membership has doubled since last year. So far they are only on 40 meters, but the electrical department have loaned them some equipment, so they hope to be on 20 and 10 CW soon. Three groups have been organized to work on the new transmitter, power supply and antenna. The club has arranged to give code practice to the beginners every day, and assistance is given to the members who wish to get their licenses. High-speed code classes are given by members with commercial licenses. Officers of the club are: President, Mervin Falk, Ve5MV; secretary-treasurer, Jack Jannon.

The **Moose Jaw A.R.C.** hold their meetings on the second Thursday of every month in the Canadian Legion hall and extend a hearty welcome to anyone interested who happens to be in town on that day. The new executive is: President, Ve5OM; vice-president, Ve5AV; secretary-treasurer, Ve5JJ; Activities Manager, Ve5WM.

# CAROA NATIONAL REPORT

Ve2

Floyd G. Gribben, Ve2XR,  
5120 Westbury Ave., Montreal.

The open season on hams is once again upon us and dx, rag-chewing, experimenting and traffic is in full swing. With all these renewed activities we should expect a bit of news on the doings amongst the brethren, so let's lift the lid and see what's been cookin'. AEH of Beloeil Station expects to move into new six room bungalow soon and dreams of new shack and antenna. FL of Bourlamaque sends in FB letter to say he supported your scribe's Beef Dept. column wherein the lack of dummy antennas was deplored. Guy even sent in a complete diagram showing his switch-in type dummy load to prove he's all for the idea. One of the biggest reorganizational moves to take place in ham circles in some years was the inauguration of the National Traffic System on Oct. 3. The plan covers all of American and Canadian North America. Quebec's only traffic net (PQN) is part of the over-all system and invites interested parties to look in on 3570 Kcs at 7 p.m. EST nightly with the idea of joining the gang. GM of Longueuil appointed manager of 13th Regional Net under National Traffic System. Net comprises VO, Ve1, Ve2 and Ve3. CD of Ville St. Laurent working on new four-band VO rig. A BC-348 takes care of incoming sigs. GF of Quebec City has been on the sick list for some time. Hope you are well again, Rosaire, OM. WY of Westmount proudly displaying new cabinet rack around his 813 phone rig. At this reading, and if he's lucky, Ross should have found himself a new abode in the suburbs. BB of Lachine has Q5er added to his S-20R sig-sucker so's he can hear the stations on the Swing Shift Net. AGF of Montreal has new all-midget tube phone rig using PP 6AQ5s in final modulated with a pair of same. The Westham Radio Club of Westmount and west-end Montreal held their first meeting of the season on Oct. 5. Most of the time was spent reviving the many hilarious incidents that happened at the club's field day site in Valois in June. KD of Montreal hanging on to the wheel of new gas buggy. IE of Westmount considering the possibility of a break-in system. AGS of Montreal has FB new VO using pee-wee tubes and built-in dry rectifier power supply.

ACK of Verdun adding super-selective I.F. system to his BC-348. XB of Verdun looking around for new abode so's he can do away with the kitchen shack he has been using. Keeping gravy off the final tank is a blamed nuisance, eh, Tom? Guess you draw the line after soup! AIE of Sawyerville is new member of PQN. XR finally got around to putting in break-in and like all others who try it for the first time, he exclaimed, "I wish I had

have put this system in before!" AEG of Montreal now twiddling dials on SX-25. VA is back from his summer job at the R.C.A.F. Trenton Air Station, but this year Bill's located in Iberville instead of St. Johns. I regret to report that WW, Don McVicar, Ve2's notable dx man and operator of World Wide Aviation Co., lost one of his best airmen and his friend and mine, when Russel Holmes, O.B.E., Ve3KT, crashed to his death 100 miles north of Montreal on Thanksgiving Day. DL of Montreal spent a three-week business stay in the Chicoutimi district and says that when the boys there have a get-together they really do so in very fine style. We hear that ACI of Chicoutimi is considerably interested in one young man and may make a permanent sked out of it all. Hope he gets his ticket, too, Francoise! AKH of Montreal hit the airwaves on 80 CW for the first time over Thanksgiving weekend. Rolly started things off with a 19 set hooked to his wife's clothesline! AKG of St. Felix de Valois is also a new ham with a 19 set. Welcome to the mob, Origene! GE of Pointe Claire painted his shack green in hopes of working more EIs! When you stop to think of it, Ve2 has had more content on the pages of XTAL than that of any other call district! However, had it not been for those of you who took the trouble to convey the necessary news and suggestions for insertion on XTAL's pages, our effort would have been a feeble one indeed. With your help we accomplished our objective; that of conveying the doings of Quebec's amateurs to our fellow Ve2's as well as the rest of our ham brethren across the country. It is obvious that all of you expect this worthwhile situation to continue; therefore I am seeking your help. Ve2, CAROA and XTAL needs the help of one of you to carry on the work which I have been performing these past two years. This help is urgently needed now, because, I regret to say, I must curtail my activities as DR for personal reasons. It is going to be very difficult for me to drop from the scene of valued friendships and acquaintances that I made during my term of office. However, it has been a most happy and worthwhile experience for me and I have only you, the membership and the executive, to sincerely thank for all the pleasant associations of the past. The work of CAROA must go on for Canada needs a national association of amateurs, for to-day, more than ever before, we amateurs must be united for our cause. At this time I bow out officially, yet may I assure you all that I will continue as a CAROA member and supporter and will do all I can to promote its cause, and will endeavor to initially assist my successor in any way I can. A wish of success to all members of Ve2, all those at headquarters and to my successor to come.—73—Floyd.

## Ve5

**Madolyn Sinclair, Ve5YF, D.R.**  
411 33rd St. W., Saskatoon

Though Saskatchewan has produced the nicest fall weather in many years, the gang seems to be staying indoors and playing ham radio. All bands seem fairly good and are buzzing with Ve5 calls. 5MJ is a new call in Saskatoon. John is building and is not yet on the air. From Regina we also hear a new call, 5TO, Ted by name and operating on 80 CW. 5IJ, xyl of 5JI, is now on 80, and you guys better start practising up on the old key. That gal is really good.

5HJ, strictly a CW man, is building a modulator! 5HI is on 75 with his new super-modulation and a beautiful sig. G3BTW, ex-Ve4FZ, was a visitor to Star City and Prince Albert. 5BH has ORS appointment and is on TLI. 5HR reports TLI doing fb despite aurora. 5WK, ex-1RM, 4VG is now in Regina on 20 CW. 5DW reports that 5UQ is the most active portable station in the section. Now I happen to know that 5FY is definitely the most active portable mobile in the province. He calls CQ for miles and miles, day in and day out, the only trouble being that nobody hears him!

5JJ reports from Moose Jaw that 5OM put up a 10-meter rotary beam which QRT due to a little collision with a coal truck. Right on the job to help him were 5RM, 5CO and 5OP. 5OM

also worked OX3AD, getting a 59 report using a 20 meter folded dipole. 5IL reports success with his cubicle quad. 5BE is having trouble with his VFO. 5EK is on 75 phone using a rebuilt CW rig with an 807 final. 5RM is using NBFM. 5MK is preparing to write his commercial ops. exam. 5WM is still housebuilding but hopes to put up a skyhook soon. 5EP has switched from NBFM to grid modulation. 5AR heard on 10-meter phone telling 5MK to stop chewing gum. 5FV back on air after a long vacation. 5JD has joined the R.C.A.F. 5JJ and 5LD had a good time on visit to Ve3-land. 5LD is sporting a new HQ129X. 5KR was heard testing on 10. 5RR is using two 19 sets. 5CO hopes to be back on the air soon. Sure nice to get some news from the Moose Jaw gang. Keep up the good work, John.

Mani tx to you boys who sent in reports, and here is wishing one and all a VERY MERRY XMAS and all the best for 1950.

—Madolyn.

## Ve6

**Bill Savage, Ve6EO, D.R.**  
329 15th St. North, Lethbridge

BF is using a quarter-wave vertical antenna and 35 watts on 75 fone and doing a nice job. HQ has a nice QSO with his son in Winnipeg. Ve4NN. LI goes out hunting and winds up at TH's shack; trust a ham to find these places. WB is now using phase modulation. KV is



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active on 80 CW and putting out a nice signal. BO is working in the gyp joint now. He says he has worked a ZS, which gives him WAC. Nice going, Steve. AP seems to be getting out well and is quite pleased with the cards he is receiving. MP has made WAS and WAC, and has cards to prove it, but just cannot get around to sending them in; better bet busy. Maude. MJ pays all the clubs a visit as A.R.R.L. S.C.M. He also promised to become a member of CAROA. EV is putting up a super-duper beam antenna for 28 Mc and hopes to really work some juicy dx this winter. KO is busy with a code class. PD moved into a new house and will be busy moving his rig, etc. MA is also moving, but he is just going up one floor. LA wants to fix his 20-mtr beam but can't find anyone to climb the mast. PP is taking colored pictures now. One of these days we will hear about another Hollywood. Wat sa, Pere? ID is building a new house and figures on moving in about Christmas time. What a celebration. Barney. OP is now busy on 80 CW. PB is rebuilding — more power to him. IK sports 5" scope — home brew and doing a good job, too. NA has chased the mice out of his SX25. JJ heard regularly on 20 fone. QF and KC are combining efforts on an 80-40 rig. Hat Ham Club drive for 100% A.R.R.L. membership is nearing the goal. About 80% now. Farewell party held to honor two members who have moved to new QTH—VS, Harry Allen moved to Edmonton; YD, Percy Fair, moved to Vulcan.

On Oct. 16, the Calgary section of the A.R.R.L. Emergency Corps participated in the National Simulated Emergency tests. The set-up included two fixed control stations, Ve6AP and Ve6NW, under the direction of the Emergency Co-ordinator Ve6TK; also six mobile units, three under the direction of each fixed control station.

The tests commenced sharp at 1400 hrs. with the first message from the Emergency Co-ordinator. The six mobile units included: NF, WT, DV, HQ, JK and JV, with extra operators OD, LT, AY, AC, PO and JE in the respective cars. Control station AP had ZL as extra operator, but channel 2 control NW worked without help and did a fine job, as also did Emergency Co-ordinator TK. CN and extra operator OV handled the traffic on 40 CW.

Routine tests were carried out and messages exchanged, diverting the mobile to various parts of the city. Communication throughout was good, with the exception that two of the cars developed xintr trouble. There was also QRM from some juicy DX stations. Quite a temptation. All in all, the test was very satisfactory and a considerable number of points were piled up through message handling.

A highlight of the test was the Section Emergency Co-ordinator, Sid Jones, MJ, was in town briefly on his way through to Medicine Hat, and two of the cars were dispatched to meet him at the bus depot. One of the cars picked him up for a short ride through the downtown section of the city and he was able to contact the various stations while mobile. —73—Bill.

Members are requested to note the expiry date with the address on the front cover. If it's dated in 1949, RENEW NOW.

## C. & U. S. R. S. COLUMN

By Sid Prior

Winter being here, your thoughts will be of SWL-ing again and, of course, your SWL Editor's timely topics.

Being of a friendly nature, I cannot be too harsh in saying you let me down in returns of our SWL contest. I waited until August to see if I would get any more cards from you fellows, so I could give you all a chance at the prizes, but with the few returns I will have to close the contest with my thanks to those few who took the contest seriously enough and sent in their QSL cards, so the results are as follows:

First Prize, a \$10 purchase voucher from the Canadian Electrical Supply goes to Allan Goulding, C.R.S. 21, R.C.S.A. (A.A.), C.A./A.F., Picton, Ontario.

I might say here that Allan's QSL cards were a pleasure to look over and included England, Ireland, Scotland, Belgium, Italy, Denmark, French Morocco, Cuba, Bermuda, Kenya, New Zealand, South Africa, Australia, Netherlands, Costa Rica, Canal Zone, Puerto Rico, South America, Germany, Switzerland, Philippine Islands and many more, including several cards from the above countries. To my way of thinking, Allan rightly deserves first prize. Congratulations, Al.

Second prize, a 10-inch PM speaker from A-A Radio Supply, goes to Jack Gillis, 447 Mortimer Ave., Toronto. Several nice cards were included in Jack's returns.

Third prize, a CW key from Radio Trade Supply goes to Eva Collick, 2482 Kingston Rd., Scarborough Bluffs, Ont. For a young lady she did O.K.

With the allotment of the prizes we bring down the curtain on a somewhat successful SWL contest.

Since the Contest our third prize winner and her old man, Barney, also an SWL during the contest, buckled down to business and got themselves their tickets, so now they are known as Ve3DFC, Eva Collick, and Ve3DFA, Barney Collick. If you happen to be out around Stop 14, Kingston Rd., drop in to Collick's Drug Store and see the shack. It's pretty nice.

A request from G-land is next on the agenda. Any VE or SWL in the neighborhood of 30 years of age is invited to correspond by mail with Miss Denise Bullough (SWL), 102 Lower Oldfield Park, Bath, Somerset, England. This young lady would appreciate all letters and, take it from me, she writes a lovely letter.

So, my friendlys, for the time being, and until next issue —73— Sid Prior.

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