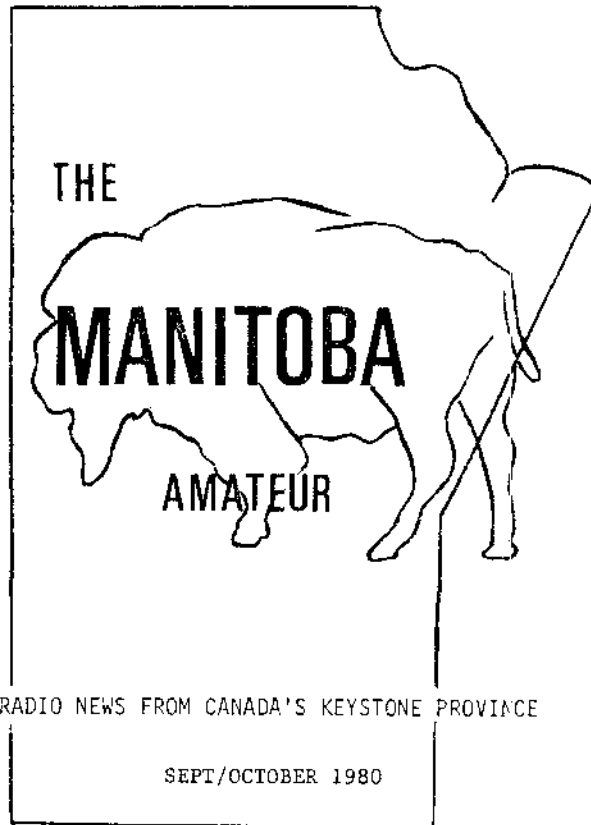


# Amateur Radio League of Manitoba

Incorporated



Vol 5, No 6

The Amateur Radio League of Manitoba Inc.

The object of the League is the advancement of Amateur Radio within the Province of Manitoba, Canada, by such means as may be appropriate, including the holding of conferences, exhibitions, hamfests, contests and the making of representations on behalf of the League and its members to government or other authorities, groups or individuals.

ARLM AUCTIONARLM AUCTIONARLM AUCTION

Sunday, November 2 - South Gym (as usual) at RRCC. Doors open 9 AM, Auction starts 12 noon. VOLUNTEERS NEEDED - Call Noel, 4CF at 889-8436  
Len , 4QL at 339-4033

FOR SALE

1. Swan 300B transceiver like new (260w pep) with built in AC & DC supply, VOX (provides semi-automatic break-in on CW) and desk mike \$550.00
  2. Matching VFO for above 100.00
  3. Tempo (F-200) transceiver with home-built AC supply 500.00
  4. Heath HW-12 75M transceiver with built-in XTAL calibrator, DC supply and mike 130.00
- Call VE40L, John, Wpg 832-6857.

FOR SALE

1. Viking Navigator X<sub>mtR</sub> 40 w. input (c.w. only), V.F.O/Xtal Control, 160-10 meters, 6 CL5 Driving 6146, Differential-Sequence Keying, V.F.O. very stable, Mint Condx, Price \$100.00 (Firm), Manual included, self contained power (115VAC), Pi-Net output 40-600Ω ant. load.
2. Viking Courier, Linear Amp for 500 watts input on S.S.B./cw, 200 watts input on A.M., covers 80-10 meters, uses pair parallel 811 A's, uses pair parallel 866's (SR), Forced Air Cooling, T.V.I. Suppressed, Pinet-work output 40-600Ω ant load, drive required - 5-35 watts, Excellent condx., Manual included, price \$175.00 (firm), self-contained power (115VAC).
3. Viking matchbox (ant. tuner), 1 kw rating on C.W., 2 Kw S.S.B. (P.E.P.), SWR indicator, bridge & R.F. Pick-up unit, transmit/receive, relay D.P.D.T. internally, mounted and wired in. 80-10 meters, manual included, price \$275.00 (firm), mint condx. \* You don't need low-pass filter(s) if you have this match box between your Xntr and ant.
4. HQ-110C Hammarlund Rcvr., Hamband only, covers 160 - 6 meters, twin dials, clock/timer/S-meter, AM/CW/SSB, ant. trimmer, "Q" multiplier, selectivity 100Hz-13KHz, mint condx., manual included, price \$150.00 (firm).

These items may be purchased separately or as a 4 piece package deal. The 4 pc. package deal will be sold for 10% less than the sum total of the 4 pcs. A great starter (C.W.) station. Contact: John Bell, VE40L, 453 Rita St., Winnipeg, Manitoba, Ph. 832-6857

*When a woman lowers her voice she wants something; when she raises her voice--she didn't get it.*

# PRESIDENT'S MESSAGE

It's always a melancholy task to write the first Manam article at the end of summer. It serves as a reminder of how much antenna work is still to be done before the snow falls -- and probably won't get done!

The 1980 Peace Gardens International Hamfest was its usual enjoyable self -- a pleasant outing in a beautiful setting among friends. I had the privilege to attend and have an eyeball with a few out-of-town hams that I haven't seen for a long time. On behalf of ARLM I must pass on my thanks to the many unselfish hours of WØ and VE4 land who did so much to ensure the success of this annual event.

There was one sour note at the conclusion of the hamfest which filled me with apprehension. It seems to be difficult to find volunteers to carry on as committee and board members of amateur radio clubs. Perhaps it has always been so, but the tendency is for the situation to be getting worse. Certainly people were not falling over one another to help with next year's Peace Garden event.

In this organization the Amateur Radio League of Manitoba fresh faces are needed. The same willing workers seem to be there every year to carry the load. I've made this plan before -- but now that such stalwarts as Rolly VE4RS, and Steve VE4AL have moved to greener pastures, and our hard-pressed editor, John VE4CL seeks a replacement -- let's see who is really interested enough to get involved, to take a shot at making our provincial organization one of the best in Canada.

I'm throwing out a challenge, particularly to the younger hams of the province. Do I have any takers?

73, Noel, VE4CF

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## THE HISTORY AND PROPER USE OF "33"

"33", the signature used between YLs is often misused and its origin tends to get lost. YLRL was organized in 1939 and it was at this time that, through YLRL, women amateur radio operators seemed to find their niche.

"YL" was adopted as a general term denoting any licensed Amateur feminine operator, regardless of age or marital status.

"33" was originated this same year by Clara Regep, W2RUF, ex W8KYR, and adopted by YLRL for exclusive YL use. It means "Love sealed with friendship between one YL and another YL". With this background and meaning, it is very understandable that "33" is not only exclusive with YLs but is never used in the plural. We sign "33".

From "YL HARMONICS" - Tnx. .

### ARLM AUCTION

Sunday, November 2 - South Gym (as usual) at RRCC. Doors open 9 AM, Auction starts 12 noon. VOLUNTEERS NEEDED - Call Noel, 4CF at 889-8436

Len , 4QL at 339-4033

## Minutes of ARLM Executive Meeting

The following are minutes of the ARLM Executive Meeting held at Neepawa, Sunday, October 5, 1980. The meeting opened at 13:00 CDT with the following present: N. Funge, 4CF, President; J. Brychka, 4 ADX, Northern Director; H. Fehr, 4AAF, Eastern Director; C. Attwood, 4NE, QSL Manager; T. English, 4TE, Observer; and J. Mercer, 4 ADD, Observer and Host.

### Old Business:

The minutes of the previous Executive Meeting held in Winnipeg 19 March 30 had previously been mailed to all Directors. Three items arising from the minutes were discussed. With respect to the search for an editor to relieve John, 4OL; a suggestion was made by Harold, 4AAF, that VE4ADJ, Joe, of Portage had expressed some interest. It was agreed that the President approach 4ADJ and discuss the job with him. Continuing concern exists about the lack of response in nominations for vacant Director positions, along with the recent departure of Steve, 4A1 and Rolly, 4RS. It was resolved that a number of active hams from a list discussed at the current meeting, be approached with a view to obtaining sufficient nominations prior to the election.

Len, 4QL, being unable to attend due to illness, relayed that there was no outstanding correspondence. Thus, no information on the third item, the 1981 CARF Symposium, was available for discussion.

### New Business:

#### Treasurer's Report:

Len, 4QL, although absent, passed on a statement on the financial situation. The present cash balance was \$2,260; of which \$2,000 was in a non-chequing interest bearing account; the rest remaining in the current (chequing) account. With the fall auction imminent, it was anticipated that an increase in revenue should accrue from the event.

#### ARLM Auction:

Noel, 4CF, reported that the annual ARLM fall auction would be held at the Red River Community College on Sunday, November 2nd, 1980. Mike, 4MP, has agreed to act as auctioneer once again. Some discussion ensued regarding ways to improve the administration of the auction.

#### MANAM Content:

John, 4ADX, suggested that more encouragement be given to members to submit newsworthy or short "hint and kink" type articles to improve the readability of the MANAM. He stated that Joe, 4AFM, of St. Rose was interested in making a contribution in this way, and discussion followed on other ways to give our publication a "face-lift".

#### ARLM AUCTION

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Len, 4QL at 339-4033

## ARLM Net

The difficulty of getting together for meetings at a collectively agreeable time was discussed. The suggestion arose that a trial net of executive members be scheduled for Monday, November 10, 1980, on 3765 Khz after the Manitoba Evening Phone Net to encourage discussion of informal business and generally revitalize the interest in ARLM. All present agreed that this was a good idea and that tentatively it should take place every 2 - 3 months. All Manitoba and North Western Ontario operators would be welcome as observers in discussions which will take place.

## Call Books

John, 4ADX, suggested that if and when next ARLM Call books were prepared, consideration be given to the inclusion of all Manitoba repeater call signs, locations and frequencies on a separate page in the back of the book.

With respect to the US and DX callbooks now managed by Chris, 4NE, the CARF QSL Bureau Manager, it was moved by John, 4ADX, seconded by Harold 4AAF after discussion and approved, that these publications be renewed annually, and the old ones sold at the auction, as previously. Chris reported that approximately 300 requests come in to him annually for DX and US addresses.

There being no further business, the meeting adjourned at 15:00 CDT. Prior to adjournment, all members tendered a vote of thanks to our gracious hosts Jim, 4ADD and his charming XYL Minnie for their hospitality.

VE4CF

## REPORT OF THE MANITOBA A.R.R.L. EVENING PHONE NET

June 1980

No. of sessions.....30

QNI Total Check-ins...606

QTC Formal Tfc. during net ...32

QTC Formal Tfc. by the Individual Stations:

4PE 39	4 DS 8	4AED 13	4CF 2
4AEJ 34	4 FK 6	4AG 13	4AG 1
4IX 31	4 NE 6	4LB 11	4JF 1
4TE 27	4ADS 3	4CR 8	4NM 1
4JA 23	4 GB 3	Total	<u>230</u>

Poor band conditions were partly responsible for the major reduction in check-ins... propagation was very poor for 50% of the month (at net time).

We regret to report that Jim 4QJ has been in the hospital for the past three weeks having undergone surgery. The latest report indicates his condition is improving daily.

Malcolm, 4MG, is still waiting for a repaired unit for his transceiver and 4CR has been announcing the A.R.R.L. bulletins for him.

A large number of the net operators were very active during field day recently and several of the F.D. stations posted very good scores.

July 1980

No. of sessions .....31

QNI Total Check-ins.....627

QTC Formal Tfc. during net .....22

QTC Formal Tfc. by the Individual Stations:

4PG 57	4AED 6	4RO 14	4LN 2
4AEJ 25	4ADS 4	4JA 7	4NM 2
4CR 25	4GB 4	4NE 7	
4LB 18	4FK 3	Total	<u>180</u>

Propagation on the net frequency was fairly good most of the time. We very much regret to report that Jim, VE 4QJ became a Silent Key on July 11th. He will be greatly missed by all members of the net and the Western radio amateur fraternity because of his dedication to this special field of communications.

Malcolm VE4MG, returned to the net after an absence of several weeks because of rig trouble and difficulty in obtaining a repair part.

Congratulations to Charlie VE4LB on being declared the Amateur of the Year at the Peach Garden Hamfest and also for his part in organizing this event.

A large number of net members were in attendance.

August 1980

No. of sessions....31

QNI Total Check-ins.....765

QTC Formal Tfc. during net....9

QTC Formal Tfc. by the Individual Stations:

4PG 38	4FK 5	4LB 10	4NE 3
4TE 32	4CR 4	4AAD 8	4JP 2
4AEJ 17	4ACX 3	4ADS 6	
4JA 12	4GB 3	Total	<u>143</u>

Check-ins have increased slightly compared to July. Propagation was fair most of the month.

Ron and Cathy 4NM, were on a trip to New Mexico this month. Doug, 4JP is radiating a good signal from his new QTH.

Barney 4VL from Dauphin is in St. Boniface Hospital having undergone an operation on Aug. 28th. The latest report indicates that he is doing quite well. Joe 4JK, has been checking in from West Hawk Lake. Stan 4XP who had not been heard for some time, has been checking in recently from his cottage at the lake.

September 1980

No. of sessions....30

QNI Total Check-ins.....862

QTC Formal Tfc. during net....39

QTC Formal Tfc. by the Individual Stations:

4AEJ 37	4ID 7	4ADS 15	4LB 4
4PG 37	4NE 6	4CR 13	4AAU 3
4TE 32	4XN 6	4NM 9	4LN 3
4JA 31	4FK 5	4AAD 8	4JP 2
		Total:	<u>218</u>

Traffic and check-ins have increased this month compared to August. Propagation has, in general been good.

A number of the net members took part in providing communications required for the Sports Car Rally on Sept. 13th. Doug 4JP set up a portable station at the tower near Woodbridge. Jim 4FK operated mobile south east of Steinbach. We understand that Dick 4HK was involved in organizing the communications for this event.

73, Bill, 4CR, Sect'y.



CARF NEWS SERVICE

P.O. BOX 356  
KINGSTON, ONT.  
K7L 4W2

CARF NEWS SERVICE BULLETIN NUMBER 27, Sept 7/80

.... Canadian and other Amateurs except U.S. operators will not be very happy to know that the American Radio Relay League directors have voted to ask the FCC to extend U.S. 40 and 20 metre phone privileges. They will request expansion for Extra class to have 14150 kilohertz and up; Advanced 14175 and up and General, all above 14225. On forty, they will request 7075-7100 kilohertz for Extra class phone as well, according to a recent HR Report.

.... The British government has succumbed to pressure and is now prepared to permit a Citizen's Band on 900 megahertz. Optimistically it plans safeguards to prevent QRM to paging systems, radio-controlled models and other users from the expected 150,000 users. It's a sure bet that the British authorities have a lot to learn.

.... In the meantime, back in Washington, the FCC has voted to ask for public comment on the petitions it has received to expand the CB band and to legalize the sliders and others operating illegally in the slot outside the present CB band.

.... Returning to the domestic scene, the June exam results were disappointing compared with some of the previous ones. Of the 496 who wrote the Amateur ticket, only 80 got their certificates. It should be remembered, however, that many of those writing only tried one or two parts of the three-part test. On the theory part, out of 436 who wrote, 159 or 35% passed. Out of 322 who wrote the regulations part, 215 made it. On the code test out only 79 out of 227 made the grade. For the Advanced certificate only 49 out of the 219 who wrote all or part of the exam were issued their diplomas. Out of 144, 115 made the regs but only 47 out of 108 read the code okay. Seventy-six out of 203 passed theory. The digital pictures was better...100% passed...that is, three out of the three writing the exam. Incidentally, U.S.sources quoting 300 digital operators in Canada are wide of the mark...according to DOC head office, it's more like one hundred. The exam success rate south of the border is different but for suspect reasons. The astronomical increase of 1,800 licensees in June alone is attributed to the sale of exact exam questions as "study material". U.S. Amateurs now number 385,625.

CARF NEWS SERVICE BULLETIN NUMBER 26

Here is good news for Canadian operators who vacation in Haiti. CARF has learned that Canada now has reciprocal operating privileges with that Caribbean country. Third party traffic arrangements are still under negotiation but should be concluded soon.

Watch for an FCC announcement proposing more sideband channels on the eleven metre Citizen Band, along with removal of the skip working ban plus the use of VFOs.

The DOC's two-way TV trial program being held in Manitoba in conjunction with that province's telephone system is under way with about one hundred homes hooked into the videotex or telidon equipment. The overall program has received a rude shock, however, with the announcement by Canadian telephone companies that they are withdrawing from further participation. The break reflects the escalating battle between cable TV interests and the telephone companies for the millions to be made in the future in this new area of telecommunications.

THE ONTARIO TRILLIUMS AMATEUR RADIO CLUB

1980 THE NEW TRILLIUM WEEKEND CONTEST

WHEN: Trillium Weekend Contest will be held by the Ontario Trilliums from 7.30 p.m. EST. Nov 7th (0039) through 7.30 p.m. Nov 8th (0030 GMT Nov 8th) to (0030 GMT Nov 9th). The Trilliums station being the host club will call "CQ W". All others call "CQ TOT". Each Trilliums station may be contacted twice and Trilliums may contact each other. One phone contact and one CW contact (same band) -- or two phone contacts (different bands) or two CW contacts (different bands) or one phone contact and one CW contact (different bands).

EXCHANGE Signal report, name, QTH and the Trilliums will give their club numbers.

LOGS: Date, Time in GMT, RS or RST, Band, Mode, Tot number, as well as name, address and claimed score. ALL LOGS MUST BE SIGNED BY THE OPERATOR. Contestants are required to use standard log sheets or facsimile. All CW and PHONE contacts will each count as five (5) points.

BONUS: A bonus of 100 points will be added for making ten (10) contacts and an additional 100 points for making twenty contacts, etc.

Low power multiplier of 1.25 for all transmitters running 150 watts CW, 150 watts AM, 300 P.E.P. and under.

SEND LOGS TO: Mary Hedges VE3COH  
7 Ordway Road  
Scarborough, Ont.

Logs must be postmarked not later than December 31, 1980 and received not later than January 15, 1981.

ALL PARTICIPANTS, Trilliums & non-members, sending in a log, are eligible to win one of the prizes in the LUCKY DRAW.

THE TRILLIUM WITH THE HIGHEST SCORE WILL RECEIVE A TROPHY

" " " " 2nd " " " " A Certificate

THE NON-MEMBER WITH THE HIGHEST SCORE WILL RECEIVE A TRILLIUM CERTIFICATE.

" " " " 2nd " " " " A TRILLIUM CERTIFICATE.

Suggested frequencies: The Tots will operate on CW and on phone on 80, 40, 20, and also on 2 metres during the contest time.

Some suggested frequencies are: 3.770, 3.885, 7.240, 7.103, 14.280, 14.140, 14.035.

CARF NEWS SERVICE BULLETIN NUMBER 25

DOC has unveiled a plan for extensive public input to the preparation of Canada's position for post-WARC international conferences. Five major conferences at both regional and world-wide levels and comprising thirteen sessions will be held over the next few years. These meetings will seek to implement the frequency allocation agreements reached at Geneva last fall at the WARC'79 conference. The ongoing action will include bilateral negotiations with the U.S.A. The Department will seek to have five industry-government working groups organized to assist in framing the Canadian role in all of this post-WARC international bargaining. The ongoing work primarily affects industry but amateurs will be represented on those groups which may affect their assignments. This news was unveiled at the public briefing on the work of the Canadian WARC'79 delegation, held in Ottawa on June 18. Another major decision facing ITU is whether to set up a fourth Region which would take in all of Africa. CARF president Bill Wilson, VE3NR, DOC Liaison Committee head Art Stark, VE3ZS and Bud Punchard, VE3UD, the CARF WARC '79 Working Group chairman, attended as did Mitch Powell, VE3OT, ARRL Canadian director and Noel Eaton, VE3CJ, head of IARU. Special tribute was paid by DOC's Ed Ducharme, the meeting chairman, to the work done on the delegation by two non-government members,



VE3UD and VE7BS, Bob Eldridge, both old hands at international radio conferences.

...The removal of duty on Amateur transmitters and transceivers recommended by the Tariff Board last year can only become effective if it appears as an item in the forthcoming federal government budget. Since this is now under consideration and with a new Minister of Finance in power, Amateur organizations and individuals are urged to write immediately to bring the recommendation to his attention. CARF has already written to the Minister but needs your support. Write now to Hon. Alan J. MacEachen, Minister of Finance, Ottawa, K1A 0G8.

...The FCC is proposing to allow U.S. Amateurs on SSTV and facsimile on all frequencies above 3775. The U.S. Amateur population is now 372,958 and includes 3,815 clubs.



CANADIAN AMATEUR RADIO FEDERATION INC.  
FEDERATION DES RADIO AMATEURS DU CANADA INC.

P.O. BOX 356  
KINGSTON, ONT.  
K7L 4W2

June 16, 1980.

To - The Presidents of All Amateur Radio Clubs in Canada.

Now that we have a new Government it is strongly recommended that you write Alan J. MacEachen, Minister of Finance, Ottawa, K1A 0G5, reminding him that on August 28, 1979, the Tariff Board recommended the removal of the duty on transmitters, receivers and transceivers designed for use only on Amateur Radio Frequencies and requesting that he implement that recommendation in the forthcoming budget.

You can justify your recommendation by pointing out the numerous benefits to Canada of Amateur Radio such as providing emergency communications, a source of skilled communications personnel, the development of new communications techniques such as packet radio and Amateur satellite communications. The loss of revenue would not be great as there are only about 20,000 Radio Amateurs in Canada and the removal of the duty would reduce the costs of equipment to Amateurs, encourage more to take up the hobby and increase the skills of Canadians in this area of communications and electronics.

As elimination of the duty must be a part of the budget and since this is now being prepared, your letter should be sent as soon as possible.

Bill Wilson, VE3NR,  
President, CARF.

Dave Goodwin VE2DZE  
4 Victoria Place  
Aylmer, Quebec J9H 2J3

By all accounts, the Canada Day Contest this year was quite a success. It looks like this contest will become very popular among Canadians and even foreign Amateurs. Unfortunately, my summer was well-occupied with trying to scrape together enough money for University and I missed both the CDC and the Radiosport. By the time you read this, the CARF Phone Commonwealth Contest rules will be finalized and the publicity arranged. The Xmas contest was rather a bust, and another attempt will be made this year under the name 'Canada Contest', with rules the same as the CDC.

### CONTEST CALENDAR

#### September

13-14 European DX SSB\*

13-14 Can/Am SSB\*

13-14 ARRL VHF

27-28 Can/Am CW\*

#### October

3-4 VK/ZL/Oceania SSB

11-12 VK/ZL/Oceania CW

13-19 CLARA AC/DC

18-20 CARTG RTTY DX

23-26 CQ WW SSB

\* Covered in July/Aug TCA

### VK/ZL OCEANIA DX CONTESTS

Period: Phone 1000z Oct. 4 to 1000z Oct. 5. CW 1000z Oct. 11 to 1000z Oct. 12.

Bands: All Amateur bands. Classes: Single operator, all bands only, plus an SWL section. Exchange: RS(T) and serial number.

Scoring: 2 pt./QSO with VK/ZL. 1 pt./QSO with other Oceania. Multiplier is number of VK/ZL call districts worked on each band, added together. Entries: Logs must show date, time in z, call of station worked, exchange sent and received.

Separate logs must be used for each band. A summary sheet must be included detailing a band-by-band breakdown of QSOs and multipliers, equipment used, and the customary signed declaration of observance of Contest rules and Radio Regulations. Logs must arrive by Jan. 31, 1981 at NZART Contest Manager ZL2GX, 152 Lytton Rd., Gisbourne, New Zealand.

### CLARA AC/DC CONTEST

Period: 1800z Oct. 18 to 1800z Oct. 19. Bands: Both Phone and CW segments of the 80-15 metre bands. Recommended frequencies are Phone: 3775, 3900, 7200, 14160, 14280, 21300 kHz, and for CW: 3690, 7035, 14035, 21035 kHz.

Classes: Single operator, all bands only. This contest is open to all, but non-members of CLARA may only work YLs.

Exchange: RS(T), name and QTH. Scoring: 1 pt./QSO, 3 pt./QSO with a 'bonus' station. Bonus stations will identify themselves as such. Multiplier is the number of provinces and territories worked. A province or territory is counted only once for multiplier credit, regardless of band.

Entries: Must be postmarked not later than Dec. 31, 1980 and sent to Diana VanderZande VE7 DTO, SS#3, Jensen Rd., Prince George, B.C., V2N 2S7.

### CARTG RTTY DX SWEEPSTAKES

Period: 0200z Oct. to 0200z Oct. 20. Bands: 80 through 10 metres. Classes: Single operator; multi-op./single transmitter; SWL section.

Exchange: RST, time z, and CQ Zone. Scoring: Each QSO in your own Zone counts 2 pt., outside your own Zone, consult

the CARTG Zone chart available from CARTG. Multipliers are DXCC countries, Australian, Canadian and USA call areas. Each multiplier is counted once regardless of band. 200 bonus points can be claimed if the same Canadian station is worked on each of the five bands.

Entries: Separate log sheets must be used for each band. Official log sheets and Zone charts are available from CARTG for an SASE. Logs must be received by Jan. 1, 1981 at CARTG, 85 Fifeshire Rd., Willowdale, Ont. M2L 2G9.

### CQ WORLD WIDE DX CONTEST

Period: SSB 0000z Oct. 25 to 2400z Oct. 26. CW 0000z Nov. 29 to 0000z Nov. 30. Bands: 160 through 10 metres.

Classes: Single op, single band; single op all band; multi/single; multi/multi.

Exchange: RST plus Zone. Scoring: for Canadians: 0 pt. per QSO with Canada, 2 pt per QSO with other North Americans, 3 pt per QSO with others. Multiplier is number of DXCC countries and CQ Zones worked on each of the bands added together.

Entries: Separate log sheets must be used for each band. Dupe sheets are recommended. Official log and entry forms are available from the CQ WW Contest Committee for an SASE or SAE plus IRC. Entries must be postmarked not later than Dec. 1, 1980 for the SSB contest, and Jan. 15 for the CW. Entries go to: CQ WW Contest Committee, 14 Vanderventer Ave., Port Washington, LI, NY, 11050, USA. Specify on the envelope whether the entry is for the SSB or CW event.

# All Canadian (Inner) Space Station

When the possibility arose of launching an Amateur radio experiment on a National Research Council balloon, the Canadian Amateur Radio Research Club was born, as the Council could not negotiate with individual Amateurs.

The first result was the flight of the 'Skyhook' operation in July last year when a 2-metre 'simplex repeater' was launched on a balloon from Gimli, Manitoba and rose to an altitude of 102,000 ft.

Initial membership was small but the members were far-seeing and had high ambitions. Here was an opportunity for Canadian Amateurs to have access to facilities, equipment and expertise seldom available to our fraternity. Now Canadian Amateurs could launch into the space age.

Following the success of the Skyhook flight, membership has increased and plans are being discussed for future experiments and projects. Although not all members would consider themselves to be experimenters in the normally accepted sense, all are keen to be involved in future projects, and each can play his part however humble.

The Club invites applications for membership from all Amateurs and will consider any suggestions for future projects and experiments. After listening to some of the ideas being kicked around at a recent meeting, it seems that no project would be considered "too far out"!

Among future projects in hand, or being discussed, are the development of a balloon package in which an RCA 1802 C.P.L. will be remotely programmed to perform various on-board physical functions, and a scheme to install UHF links between three Manitoba repeaters to provide what can only be described as dramatic coverage.

If you feel that you want to be a member of this exciting team, please contact the Club at the address below. Your membership fee of \$25 will not only allow you input to future activities, but will give you access to all the test equipment and technical know-how of the Club members. For information write to: Jim Barrie VE4FK, Temporary Secretary, Canadian Amateur Radio Research Club, Box 1785, Gimli, Manitoba R0C 1B0.

## SIDEBAND ON 11M

Watch for an FCC announcement proposing more sideband channels on the 11 metre Citizen Band, along with removal of the skip working ban plus the use of VFOs.

## DOC PUBLICATIONS

We recently came across several DOC publications of interest. One is of primary concern to the boating public, entitled 'Attention Mariners - Maritime Mobile (VHF) Radio Safety Service'. Two others deal with radio/TV reception and interference problems: one is titled 'For Better Television Reception' and the other is 'How to Identify and Resolve Radio-TV Interference Problems'. These publications, in pamphlet form, are available in both official languages from your local DOC office.

## HAITI

Here is good news for Canadian operators who vacation in Haiti... CARF has learned that Canada now has reciprocal operating privileges with that Caribbean country. Third Party traffic agreements are still under negotiation, but should be concluded soon.



# AMSAT

and independent in many respects. Amateurs interested in learning more about AMSAT-CANADA, or supporting its work, may write to AMSAT-CANADA, Box 7306, Vanier, ON K1L 8E4.

AMSAT-CANADA is related to AMSAT in much the same way that CRRL is related to ARRL. While remaining part of the larger, parent-organization, it is incorporated in Canada.

### ARLM AUCTION

Sunday, November 2 - South Gym (as usual) at RRCC. Doors open 9 AM, Auction starts 12 noon. VOLUNTEERS NEEDED - Call Noel, 4CF at 889-8436

Len, 4QL at 339-4033.

### ARLM AUCTION

### ARLM AUCTION

# Call for Nominations

The Affairs and Policies of the Federation shall be managed by the Board of Directors comprising six Regional Directors, each nominated and elected by the Full members of the applicable Region.

Regional Directors represent the membership of their Region to the councils of the Federation and are the senior CARF officials of their Region. Each Director has a budget to cover expenses incurred in carrying out the duties and responsibilities of office and travel expenses are also paid to attend the annual meeting of the Board and one meeting of the National Executive.

Regional Directors shall be a Full member of the Federation, resident in the Region for which elected, and are elected to hold office for a period of two years beginning at the commencement of the Board meeting held after the election process (May 1981).

The CARF Regions are:

- Atlantic** - Atlantic provinces
- Quebec** - Province of Quebec
- Ontario** - Province of Ontario  
2 Directors
- Mid-West** - Provinces of  
Manitoba, Saskatchewan,  
Alberta and N.W.T.
- Pacific** - Province of British  
Columbia and Yukon Territory

Five or more Full members of CARF may nominate any other Full member in their Region for election as Regional Director by filling out a Notice of Nomination and sending it to: CARF Secretary, Box 356, Kingston, Ontario K7L 4W2, for arrival prior to December 15, 1980.

The Notice of Nomination shall contain the following statements:

'We, the undersigned, hereby nominate (Name, Call, Postal Address) for the position of  
..... Regional Director of

the Canadian Amateur Radio Federation Inc.' (Add the signatures and calls of nominators below).

'I hereby accept the nomination for ..... Regional Director and, if elected, will perform the duties and responsibilities of my office to the best of my abilities'. Signed (Name, Call, Date)

All nominees will receive CARF documentation to acquaint them with the functions

of Regional Directors and to keep them abreast with CARF and Amateur Radio activities. Each nominee is requested to supply the CARF Office with a resume of Amateur and organizational background, interest in seeking office and any views they hold on the future development of CARF. Ballots will be mailed to Full members in all Regions holding elections in January 1981 for return by March 15, 1981.

-VE3AHU

## Royal Naval Amateur Radio Society

British Amateurs are not allowed to operate MM on board H.M.S. ships, but the Royal Navy's newest ship, H.M.S. Invincible, an aircraft carrier, recently steamed into Portsmouth with G3KLG/MM aboard. He caused quite a stir on two metres as the ship arrived in Spithead; she operated on 40 metres in the Irish Sea when she was undergoing sea trials, but now that the White Ensign has been hoisted all Amateur operation ceases.

The RNARS has been trying to get this changed, but in the 55-page Newsletter of the Society it reports no change. The RNARS, which mans GB2RN H.M.S. Belfast now anchored in the Thames River at London as an Imperial War Museum, is open for membership to serving or past members of UK, Commonwealth, and Merchant Navies.

With members around the world, there are many frequencies one can operate: 14340 kHz 2000Z Sundays for VE/USA members, 21200 kHz 1800Z Sunday, RNARS CW DX on

14052/21052/28052 For full info write VE3AML, #1410 Rowland, RR 5 Sarnia, Ont. N7T 7H6.

### CARF Trophy to VE1AIH

Sauli Aronsankari VE1AIH was the winner of the first CARF trophy for Canadian single operator entries in the CQ Magazine WPX CW Contest. The presentation took place at the banquet of the Dayton, Ohio, Hamfest in April.

'CQ Magazine' generally presents the awards for its contests at this affair, and Sauli received the plaque from retiring CARF secretary John Gilbert VE3CXL, who was in attendance.

CARF also issues plaques for the top Canadian single-op, single-band entry in CQ's WW CW contest and, starting this year, the Federation will award plaques for the top ASCII scores both worldwide and from Canadian stations in the Canadian Amateur Radio Teletype Group (CARTG) RTTY Sweepstakes.

# CARF Annual Meeting

The CARF Board of Directors met in Ottawa on May 30, 31 and June 1 and re-elected Bill Wilson VE3NR President of the Federation for another term. Don Slater VE3BD was elected Vice President. Lorna Hill VE3IWH, Don Emmerson VE3KJW and Art

Blick VE3AHU accepted the posts of Treasurer, Secretary and General Manager respectively.

At the meeting, the Board approved the hiring of secretarial help at the Kingston office, and issued a CARF life

membership plus publicity in TCA to AMSAT Canada.

Full details on the meeting will be given in the October issue. To whet your appetite, here are two committee reports that were presented at the meeting.

## CARF-DOC Liaison/Regulations

During the past 12 months, the CARF Radio Regulations Handbook has been rewritten and expanded. Two amendments, necessitated by revisions to the General Radio Regulations Part II have been prepared for printing. The second of these amendments covers the extensive revisions made to the 'Amateur Service' part of the Regulations as a step in the de-regulation and codification program being undertaken by the DOC.

Direct liaison has been established with the Wireless Institute of Australia, Queensland Branch, through personal contact with the president (VK4QA) during a visit to Australia and his subsequent visit to Canada. Many subjects of mutual interest and concern to Amateurs, including operator qualifications and examinations, recognition by and membership in the IARU, Third Party Traffic Agreements, were discussed and publications were exchanged.

The exchange of publications with the Radio Society of Great Britain was accomplished as a result of 20m contacts and correspondence with G2ABC.

As a result of concern expressed by the Executive relative to the unprecedented growth of illegal operations adjacent to and within Amateur bands (particularly 10 metres), countermeasures are being instituted. Plans are underway

for the organization of a reporting system by Canadian Amateurs of illegal operations noted both within and without Amateur bands. If sufficient support is received, the reports will be summarized and submitted to the DOC for decisive action.

The 'Canada Gazette' is

regularly perused for announcements of interest to Canadian Amateurs.

Continued personal liaison is maintained with appropriate officers at DOC Headquarters on matters relating to Amateur activities.

A. P. Stark VE3ZS, Chairman

## Radio News Service

CARF Radio News Bulletins have been sent on a regular basis since the beginning of January 1979, starting with VE3TCA only. It is now being sent by a network of about 20 stations across the country. At present, bulletins are transmitted by phone, CW and both Murray and ASCII RTTY on 80, 40, 20, 10 and 2 metres.

Radio News Bulletins are produced weekly, and are mailed from VE3TCA in Ottawa to the News stations. Stations are encouraged to copy the transmissions from VE3TCA, when possible, for later retransmission. This reduces the number of mailings required, and ensures that the news is distributed as quickly as possible.

The response to these bulletins has been favorable, and in the case of the news of the proposed expansion of the U.S. 20 metre phone band, the response was overwhelming. That particular instance dem-

onstrated to many Amateurs the usefulness of CARF and its Radio News Service.

We would like to see the bulletins transmitted on more of the local and regional nets, where the present coverage is incomplete. To our knowledge, coverage appears to be least complete in the Prairie provinces and the Maritimes. Consultation is presently going on with stations in these areas, who may transmit news bulletins in the future.

The News Service will discontinue its regular schedule during the months of July and August, due to the generally decreased radio activity and the lack of worthwhile news. However, special bulletins will be transmitted at the regular times when the need arises.

The future should see an increase in the number of local two metre and HF bulletin stations. □

Brett Delmage VE3JLG

# June exam analysis

The June exam results were disappointing compared with some of the previous ones. Of the 492 who wrote the Amateur ticket, only 80 got their certificates; which works out to a mere 16%. It should be remembered though that many of those writing only tried one or two parts of the three-part tests. On the theory part, out of 436 who wrote it, 159 or 36% passed. Out of 322 who wrote the regulations, 213 or 67% made it. Two hundred and twenty-seven tried the morse but only 79 or 35% passed.

Only 49 (22%) out of 219 who wrote all or part of the Advanced diploma tests were issued their certificates. 76 out of 203 (37%) passed the theory, 115 out of 144 (80%) made the regs portion, but only 47 out of 108 (44%) read the morse test okay.

The digital licence picture was better... 100% of those writing passed... that is, three out of the three who wrote the test. (Incidentally, U.S. sources quoting 300 digital operators to date are a bit wide of the mark... it's more like 100.)

South of the border the exam picture is different... but for somewhat suspect reasons. The steady climb in the success rate which brought an increase of 1,800 new licences in June alone and brought the total to 385,625 was almost equal to the number

## **ARRL VOTES FOR 40 & 20 METRE EXPANSION**

ARRL Directors have voted to petition FCC to expand U.S. 20 and 40 metre phone bands. Extra class is to have 14.150 MHz up, Advanced 14.175 MHz up and a General all above 14.225 MHz. On 40 metres they will ask for extra class phone on 7.075 to 7.100 MHz.

- HR Report

issued in eight months of 1979. It can only be attributed to the open sale of exact exam questions sold as 'study materials', according to HR Report. That publication notes that "there is considerable feeling that the increased pass rates are due to memorization rather

than understanding, which would result in unqualified applicants receiving licenses and the license itself being cheapened as a result". "The FCC's rules," it continues, "apparently have no provisions for protecting the security of its examinations."

## CARL SEZ...

### **A disaster in Mississauga**

"Who cares?", "That's there and not here!", "What's that to me?", "We just don't have problems like that here". Such statements just may have been common in Mississauga before the recent disaster situation. Problems like that seem very remote before a disaster occurs.

CARFCOM is the organization within CARF dedicated to providing local emergency-type communications. This means all types of situations including parades, festivals and just about any kind of community activity. The CARFCOM Communications Plan provides an organizational plan that can be implemented on the local level.

As if the event in Mississauga was not enough, the events surrounding the recent Mt. St. Helens volcano eruption were felt across vast areas of North America. These two disaster situations should illustrate clearly the need of active CARFCOM organizations in all communities.

At first glance it would seem that it would be a very big job to get a CARFCOM group going. Not so! The Communications Plan provides the outline. Why use the Communications Plan? The answer is simple and basic. The Plan heads all CARFCOM

groups in the same direction, making it easy to coordinate or integrate groups to handle a larger situation. For one thing, the Plan suggests a frequency management plan that hopefully would make the job easier for everyone.

Where to start? Simply drop CARF HQ a note requesting a copy of the Communications Plan. Copies are ready now for mailing. Questions? Write to the Acting Manager of CARFCOM, VE7AFJ. Actually, what is really needed is a CARFCOM Manager who is in the central part of the country. Are you interested in local nets? This may be a challenging job for you.

At this point in time, there is nothing that is cast in brass in CARFCOM. If you or your net are interested in CARFCOM and its goal for providing local communications nets, please contact the Acting Manager as soon as possible.

In its most simple terms, CARFCOM is a Canadian organization dedicated to providing local nets for Canadian communities.

CARFCOM is a part of CARL which is the overall communications organization of CARF. We are Canadians who want to do a job for Canadians.

de VE7AFJ

# CRRL NEWSLETTER

A SERVICE TO AFFILIATED CLUBS



Number 4, 1980 August-September



CRRL officials have been busy visiting hamfests this summer! They string up the League banner, display publications, show the new film, *World of Amateur Radio*, hand out information, help with problems, and sign up new members. This shot was taken at the Guelph, Ontario Amateur Radio Flea Market in June, but similar setups appeared at amateur gatherings in Montreal, Barrie, Milton, the International Peace Gardens near Brandon, and Fort McLeod. If you have a hamfest or flea market coming up, let CRRL officials know. They'll gladly attend!

## A Word From President Mitch

It is with mixed emotions that I must advise you of the following: my son wants to become a ham. He now has a general-coverage receiver in his bedroom, and is learning the code.

Chris is eleven. He has seen and heard amateur radio all his life, and yet, it has been this summer that has "turned him on". There is no question that amateur radio has become a major part of every waking hour around my house. Or so it seems! Maybe Chris's interest has been caused by some of my enthusiasm for the hobby. Maybe it's been the hamfests that Chris has attended with me, and some of the people I have been meeting.

We have met such a dedicated, enthusiastic and creative group of Canadian amateurs, that it can't help but turn anyone on, and make one very proud to be part of such a group. Chris has watched and listened and been a "gopher" at League booths at Barrie and the International Peace Gardens. He's seen League members enthused about their hobby, griping about their hobby, and sharing their hobby, and something about it all must have rubbed off. Maybe it's the obvious friendship of hams who meet as strangers, but are only strangers for a moment. Maybe it's the VE5, who sat with Chris and talked about the West, and then gave Chris his knife; or the VE7 who took time to tour Stanley Park with us; or the VE3 who arranged a scavenger hunt for the kids at a

We've moved! All correspondence, club bulletings, inquiries, etc. formerly sent to Box 418, Seckville, N.B., should now be sent to our new address:

The Canadian Radio Relay League, Inc.  
Box 7009, Station E, London, ON N5V 4J9

hamfest. I know that my enthusiasm must show. Perhaps he thinks that if I'm enjoying it so much, it must be good... or illegal!

I am so fortunate to be able to meet Canadian amateurs at their club meetings, from Montreal to Regina so far, and at their hamfests throughout Ontario and the West. Each group of amateurs, whether a local club or an entire call area, is unique, and has shared with me some of their ideas and expertise. I will attempt to share this with other amateurs across Canada. The amateurs of Saskatchewan get great press, and have a far-ranging repeater system. The amateurs of Manitoba have a fantastic ARES setup, tested and working. The Burnaby, B.C. club has... well, I've been invited to find out for myself, and I'll report later this fall. The technical expertise of the Montreal West Island Club is awesome. These things will be in the CRRL Newsletter, current and up-to-date, and Canadian amateurs will have reason to be proud of the accomplishments of their fellow amateurs from coast to coast.

Have you seen the CRRL Canadian Amateur Radio Licensing Manual, by Ralph Zbarsky, VE7BTC? This is now the CRRL-ARRL training manual for Canada. It is already debugged, and has been successfully used with dozens of licensing classes in the West. I hope that Ralph has seventy copies left over from his last printing for my fall amateur radio classes! Ralph's manual is tied in with other League material. It is super quality and easy reading, and should make instructors and students across Canada very pleased.

For over sixty years, the League has promoted amateur radio, in the United States, in Canada, and around the world. We are part of the League. High standards of conduct and operating, support of amateur organizations such as AMSAT and IARU, WARC participation, field organizations such as NTS and ARES, services such as QST and WIAW, awards such as DXCC - these are some of the fine traditions of the League. My enthusiasm for these traditions, for these services available to all ARRL-CRRL members have made me want to share them with other Canadian amateurs. By gathering the experiences of Canadian amateurs involved in League activities, in different parts of the country, and sharing what we learn about the best hobby in the world, we all benefit. CRRL will help do this. It's a Canadian organization I'm proud of. And Chris... well, he's caught up in your enthusiasm and mine, and maybe we can find room for an extra dipole in the backyard.

73, *Mitch* Mitch Powell, VE3OT

#### DOC Update

Reciprocal licensing agreements were concluded between Canada and Haiti during the summer. There is not yet a third-party traffic agreement with Haiti. Canadian amateurs may handle third-party traffic from amateur stations in Bolivia, Chile, Colombia, Costa Rica, Dominica, El Salvador, Guatemala, Guyana, Honduras, Israel, Jamaica, Mexico, Nicaragua, Peru, Trinidad and Tobago, United States (including all territories and possessions), Uruguay and Venezuela. Canadian amateurs may not communicate with amateur stations in Iraq, Kampuchea (with the exception of XU1AA), Libya, Somalia, Turkey, Viet Nam and the Peoples' Democratic Republic of Yemen(70A-70Z).

"Dear Sir: We have received an enquiry from the Canadian Radio Relay League concerning the possibility of Canada and Australia entering into a special arrangement..." This letter, dated 1980 June 12, and signed by W.W.Scott on behalf of Dr. John deMercado, Director-General of Telecommunications Regulatory Service, seeks a third-party traffic agreement between Canada and Australia. A simple letter of concurrence from the Australian authorities would put the agreement into effect. Keep your fingers crossed!

Yes! Items in the CRRL Newsletter are for use in your club bulletin!



R. F. Stevens, G2BVN, Secretary of IARU Region 1, has written a letter to Dr. John deMendoza, Director-general of Telecommunications Regulatory Service, asking DOC to reconsider its position concerning conditions recently imposed on reciprocal licensing. Under these conditions, a foreign amateur may operate on a particular mode and frequency only if that mode and frequency is allowed by both Canadian regulations and the regulations of the foreign amateur's home country. One effect of these conditions is to keep visiting European amateurs off our two meter repeaters. In Region 1, amateurs are only permitted to operate between 144 and 146 MHz, and most if not all of our repeaters are between 146 and 148 MHz. CRRIL supports G2BVN's request, and is also petitioning DOC on the matter.

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### Canadian Amateur Satellite Project Moves Ahead

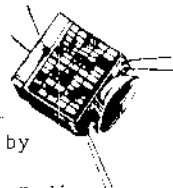
The failure of the Arienne III launch vehicle and the demise of the First Phase III amateur satellite brought disappointment to thousands of amateurs around the world. Despite this setback, there are still many reasons to be hopeful. The Phase III satellite which went down on May 23 was by no means the only amateur satellite project under way.

Since 1978, a dozen or so amateurs in the Ottawa area, members of the Radio Amateur Satellite Association, Canada, generally known as AMSAT-CANADA, have been developing a Phase III-type satellite package of their own. As with other Phase III packages, the design is for high orbit and long life. Members of AMSAT-CANADA have been working only on the transponder, the antennas and the control circuitry. Unlike the Phase III satellite that recently went down, the Canadian satellite package is not designed to become a totally independent unit. It will remain "on the bus", that is, on the final stage of the launch vehicle, and share a power collection, storage and distribution system with a number of commercial units mounted on the same rigid frame. This new configuration marks the end of "backyard satellite building". A malfunction in the amateur package could adversely affect the operation of the commercial units, and the Canadian amateur satellite package is being designed and built to the strictest commercial standards.

Mode M, the primary mode of the Canadian satellite package, will take advantage of the frequency allocations made at WARC '79. There will be a 1261.5 MHz uplink and a 435.6 MHz downlink. Such frequencies might frighten amateurs whose VHF-UHF experience ends with 2 meter repeater operation, but they offer many advantages. Ground station requirements become reasonable. 10 watts of RF fed to a simple antenna mounted over a 4 foot dish will easily access the package's transponder. The same dish can supply gain needed for the receive antenna. The particular relationship between these uplink and downlink frequencies, and the small amount of Doppler shift expected with the geostationary or near-geostationary orbit, will make transceive operation viable and net operation easy. The minimum bandwidth of 100 kHz and perhaps 200 or 300 kHz, and the projected height of over 10,000 km, will make the Canadian satellite package accessible to hundreds of amateurs, in over one-third of the world, at a given time.

How soon might the Canadian satellite package be placed into orbit? The project has been slowed down, due to difficulty in obtaining parts which will maintain their tolerances in the harsh space environment. Conventional components degrade quickly when constantly bombarded by minute solar particles. AMSAT-CANADA President John Henry, VE2VQ, who also sits on the AMSAT board in Washington as an AMSAT director, estimates that everything necessary could be assembled, tested, and made ready for a launch within a year and one-half. He also adds that the Canadian satellite package, as a whole, might never be placed into orbit. Instead, parts of the package, such as the transponder IF strip, or some of the control circuitry, might be incorporated into one or other AMSAT project.

Whatever happens, however, Canadian amateurs can be proud that some of their number are making significant contributions to the amateur space program.



Any Canadian amateur may hold a League Emergency Co-ordinator appointment. For years, only Advanced Amateur certificate holders held such appointments in Canada. Larry Thivierge, VE3GT, the Ontario SCM, wrote to John Lindholm, W1XX, the League's Communication Department Manager, and found that the minimum licence required for an EC appointment in the U.S. was Technician. John commented, "Since the Canadian Amateur certificate gives far greater privileges than the U.S. Technician certificate, such a certificate would certainly qualify one to hold an EC appointment", and advised Larry, and other Canadian SCMs to "...feel free to make such appointments."

Jack Strangleman, VE3CV is the new Ontario EC. Jack's address is 512 Pine-tree Drive, London, Ontario N6H 3N1.

The ARRL Simulated Emergency Test (SET) will be held Saturday and Sunday, 1980 October 18 and 19. This date was chosen to avoid conflict with the Canadian Thanksgiving Day weekend.

Elections for SCM will be held this fall in the Quebec, Manitoba, Saskatchewan and British Columbia Sections. The incumbents, Harold Moreau, VE2BP, Peter Gauthier, VE4PG, Norm Walcho, VE5AE and Ernie Savage, VE7FB are all standing for re-election.

Many thanks to Sid Jones, VE6MJ, for his fine work as Alberta SCM. Sid recently resigned to seek warmer, and presumably wetter climes, in Victoria, B.C. Best wishes to Roy Ellis, VE6XC, who will finish out the remainder of Sid's term.

Former President Ron Hesler's duties have now been delegated. Ottawa liason is being maintained by Ray Perrin, VE3FN, 47 Cymbeline Drive, Ottawa, Ontario K2H 7K9. IARU representation is being handled by Tom Atkins, VE3CDM, 55 Havenbrook Boulevard, Willowdale, Ontario M2J 1A7. Tom will be attending the IARU Region 2 meeting at Lima, Peru in October.

Attention, repeater enthusiasts! The deadline for registering your repeater for the next edition of the ARRL Repeater Directory, is 1980 November 01. Please use Form CD 240, available from League HQ. Send all information to ARRL Communication Department, 225 Main Street, Newington, CT 06111.

John Henry, VE1VQ, President of AMSAT-CANADA, was appointed to fill a vacant seat on the AMSAT Board, in Washington, D.C. John has been actively involved with satellite communications for years, and this spring, was awarded the CRRR Certificate of Merit for his excellent work.

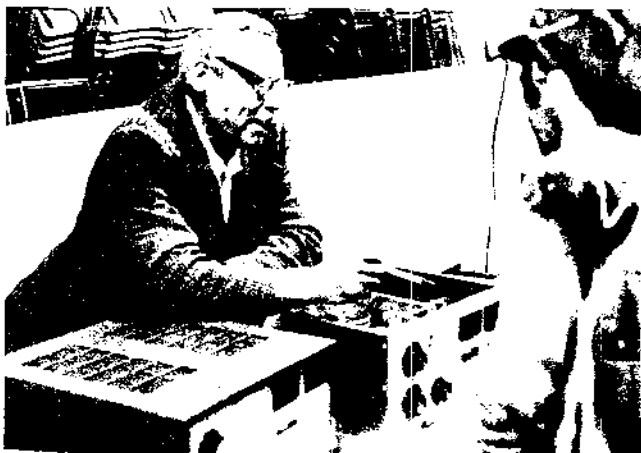
AMSAT and Canada's Digipeter group have been discussing digital communication techniques, and how they might apply to amateur satellite projects. (HK Report) Larry Kayser, VE3QB, Lionel Pett, VE3FLL and Stanley Kazmiruk, VE3JBA recently visited League HQ in Newington, Connecticut, at League expense, to brief League officials and staff on current Canadian digital communication work. Larry, VE3QB, will likely be writing an article on the subject for an early 1981 issue of QST.

The new edition of the ARRL Net Directory is now available. Listing nearly 800 public service nets by location and frequency, this revised booklet is also packed with information on traffic handling and net operation. To receive your free copy, send a 9" x 12" self-addressed envelope and \$.41 for postage to ARRL Net Directory, 225 Main Street, Newington, CT 06111.

Work continues at a fast pace on the 1981 ARRL Handbook. This edition will contain 640 pages, 64 pages more than last year's edition.

The League has offered to donate any number of 1978 and 1979 ARRL Handbooks to Thomas Wong, VE7BC. Tom frequently makes trips to mainland China. The Handbooks would be a goodwill gesture from Canadian and U.S. amateurs, to prospective amateurs in China.

Hammond's design and build, with 2000 watts input SSB and 1000 watts input CW and RTTY on 80-10 meters, and is made in Canada? It's the new Hammond HL-2000 linear amplifier! Here's Fred Hammond, VE3HC, at the Oshawa, Ontario Amateur Radio Flea Market explaining the ins and outs of these beautiful units. Hammond will also be manufacturing a smaller HL-1000 amplifier, antenna tuners and lowpass filters. For information, write to Hammond Communications Division, 394 Edinburgh Road, Guelph, Ontario N1H 1E5.



Congratulations to Bill Cheat, VE3CO, who is celebrating 50 years of membership in the League. Bill first joined in 1920 February, a month after Ken Warner's editorial, "Greetings, Canadians", appeared in QST. Bill is well-known in the Toronto area for his fine work with blind amateurs, through CNIB.

Bill Cheat, VE3CO has loaned CRRL a scrapbook which belonged to the late Bill Sloane, VE3BJ. Bill Sloane assembled his first station in 1912, when he was a boy. The scrapbook traces the development of that station over the years. It is of such interest that we are photographing the scrapbook, page by page, and then getting Bill Cheat to do a commentary on it. The resulting slide-tape presentation should be ready for use by clubs early in 1981.

Car Maillette, VE1RO, operated VE1LCR from a float sponsored by Armdale Fairview Rockingham Lions Club, in the July 28 Halifax Natal Day Parade. Both sides of round table QSOs, which featured discussions on ARPSG, traffic nets, CPARS, search and rescue using amateur radio and DX, were broadcast through the float's PA system!

From all accounts, the Moncton ARC Emergency Preparedness Exercise, held on Field Day in conjunction with the 32nd Moncton Militia Service Battalion, was a success. Site of the exercise was visited by municipal officials from Moncton, Dieppe and Riverview. The exercise was given good coverage by local radio stations.

Barry Ogden, VE4BO, and his APES group in northern Manitoba provided communications for forest firefighters at Pelican Narrows, during the week of July 14. With telephones out, amateurs provided the link that allowed food, materials and fire-fighting equipment to be directed to stricken areas as needed. Excellent coverage appeared in local newspapers, where EC Barry explained the amateurs' involvement: "You have to say thank you for the privilege of being a ham operator..."

Regina area amateurs kept busy in May, maintaining game schedules and providing score updates at the Victoria Day weekend Tom Drope Open Tennis Tournament, and later, at the end of the month, providing communication between Wascana Trails Camp and Regina, for the annual Beaver Day outing. 500 Beavers took part!

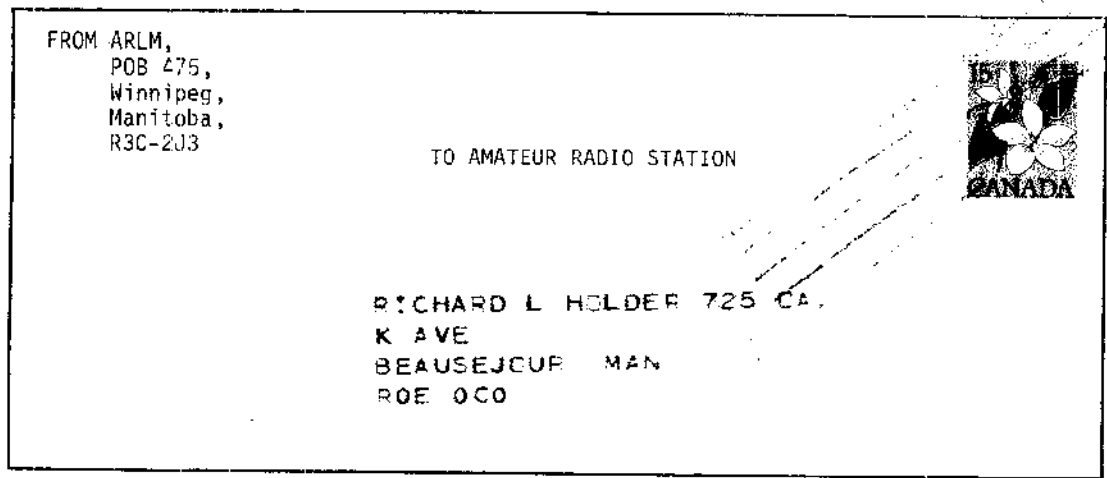
And lastly - want to help spread the good word? CRRL has reserved calls with a QST suffix in all Canadian call areas, for use by a planned Official Bulletin Station system. If you would enjoy signing "... de VE7QST", etc., and be willing to read CRRL-ARRL bulletins, on a regular basis, over regional HF nets and local two meter repeaters, contact your SCM.

ARLM BOARD OF DIRECTORS

Executive

President: Noel Funge, VE4CF, 30 Mackie Bay, Winnipeg, R2Y 1V7 - Eastern Director  
 Secretary: Roly Crull, VE4RS, 414 Talbot Avenue, Winnipeg R2L 0R5 - Eastern Director  
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 Eastern Director: Harold Fehr, VE4AAF, P. O. Box 113, Amaranth, ROH 0B0  
 Western Director: Malcolm Timlick VE4MG, Box 103, Kelwood ROJ 0Y0  
 Northern Director: John Brychka, VE4ADX, 417 River Avenue E., Dauphin, R7N 0H9  
 Northern Director: Jim Prentice, VE4JI, 1021 Cathedral Avenue, The Pas, R9A 1G6  
 CARF QSL BUREAU AND ARLM CALLBOOKS: VE4NE, Chris Attwood, 17-8th Avenue S.W.,  
 Dauphin, Man., R7N 1X3.

TVI COMMITTEE OF ARLM: VE4TT, Ted Timlick, 1317 Magnus Avenue, Winnipeg, R2X 0N9  
 VE40P, Bob Pettit, P. O. Box 506, Brandon, R7A 5Z4.



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ARLM MEMBERSHIP APPLICATION FORM ---

Detach and Mail with \$3.50 Fee to: ARLM, Box 475, Winnipeg, Manitoba, R3C 2J3.

Name: \_\_\_\_\_ VE4 \_\_\_\_\_

Address: \_\_\_\_\_  
 \_\_\_\_\_

Area: Eastern \_\_\_\_\_, Western \_\_\_\_\_, Northern \_\_\_\_\_, (Check one)

\$3.50 Membership paid by: Cheque \_\_\_\_\_, Money Order \_\_\_\_\_, Cash \_\_\_\_\_.

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<u>ARLM AUCTION</u>	<u>ARLM AUCTION</u>	<u>ARLM AUCTION</u>
Sunday, November 2 - South Gym (as usual) at RRCC. Doors open 9 AM, Auction starts 12 noon. VOLUNTEERS NEEDED - Call Noel, 4CF at 889-8436 Len, 4QL at 339-4033		