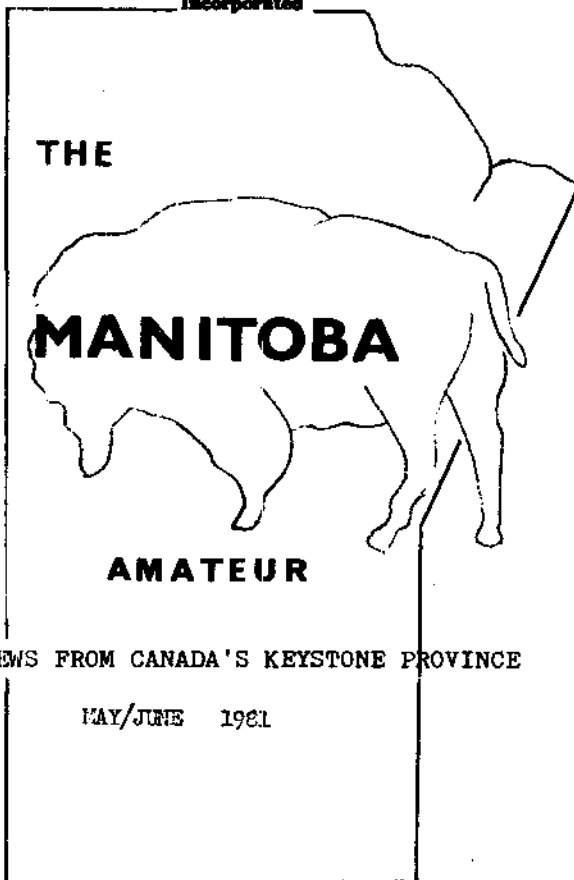


Amateur Radio League of Manitoba



Incorporated



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.

PRESIDENT'S MESSAGE

Dear Fellow VE4's;

Since the last issue of the MANAM there have been a couple of items which are worthy of comment. First of all I am disturbed at the significant fall-off in the number of subscribers to the magazine, ie; paid-up ARLM members. Len, VE4QL, has reported to me that the present membership is now only 166 well down from last year's total of more than 200. I hope that this trend will not continue. Joe, VE4ADJ, is making an excellent job of the MANAM editorship, including a variety of articles from each corner of the Province, and in general the reports that I have heard have been very favourable to Joe and the magazine. I also hope that the members are happy with its content and format. Certainly if there are any suggestions, or complaints, out there, we would like to hear them.

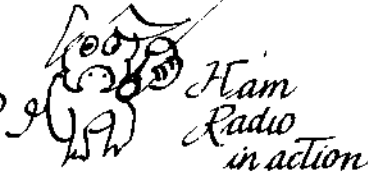
The second item involves the difficulty in finding members who are interested in serving as ARLM directors. Most previous attempts to encourage volunteers or to solicit nominations have failed miserably. I have asked, almost pleaded, for interested hams to help run this organization of ours. We need good representation from all areas of Manitoba; particularly from the south-western region, which includes Brandon. The trouble is, if we don't have a full Board of Directors, it is extremely difficult to get a working quorum at the Annual Board meeting to carry out necessary business. The business at hand cannot be postponed for too long. ARLM must revise its Constitution in light of recent development. The editor of the MANAM must be given the proper guidance that only a Board of Directors can give; and the decision to print a new call-book must be made soon. So ladies, and gentlemen of VE4 land, the choice is yours. If you want ARLM to be run well and your money wisely spent, then it is up to you to become involved ! Let's have a few volunteers for our Board of Directors or, at least, a nomination or two - it's up to you.

73

Noel. VE4CF



Manitoba Modulations



The first report, as always, is from Portage la Prairie, and was written by Peter, VE4AEZ who has had a longtime interest in Ham Radio and Electronics. He has entitled his report: PORTAGE PERUSAL.

Well, summer has flown by in its usual mad rush, and most of us have been so busy with other things that Ham Radio may have been put on the back burner for a while. However, as the nights get longer and colder, we will be cuddling up to that old transceiver (or maybe a nice shiny new one for some lucky folks) and trying some new contacts.

Barb, VE4XB has put in a busy summer on the farm looking after a garden and keeping the OM and the kids fed and looked after. Consequently she hasn't too much to report in the radio line, but were glad to hear you back on the AM Net Barb, as well as the odd checkin on 40 meters.

Bud, VE4AHE has put in a busy summer farming but the 2 meter in the tractor cab keeps him in touch with the Manitoba scene as well as a bit further afield on a short holiday into VE5 land. With harvesting pretty well over, Bud will resume work on that tall tower so he can chase some of that Dx this winter. He also acquired some big glass jar batteries to run his rigs and intends to put up a wind driven generator, so his station will be independent of hydro power. That's the good old independent ham spirit Bud-the EMO will be contacting you for emergency service!

Dave, VE4AHS got his phone ticket in June so will be heard on the HF bands as well as 2 meters, once the farming eases off. Had a nice chat with him via the VE4MAN rpt'r not long ago. That 2 meter mobile in your truck sounds fine Dave! XYL Doris has a green thumb and walked off with a bunch of ribbons from the Horticultural Fair.

Martin, VE4AL has put up a hefty fold down tower on which his 2 meter beam pulls them in from as far away as Moosomin, Sask., but he tells us that he has got to make room for a new tribander beam for 20, 15 and 10 so that should put the VK's and JA's right in the back yard! Martin leaves for Hawaii in late November and will keep in touch via 10 meters.

Cathy and Ron, VE4NM put in their usual busy summer with two big gardens and other outdoor activities. The kids have kept busy with Air Cadets, Music, you name it, but are keeping up their CW contacts and aiming for Advanced tickets before too much longer. Shane helped us catch our first rabbit at the HamFest this summer. With a new "lazy H" on the old 2 meter we ran down that long eared rascal and if we'd had a car that would go over water, we might have come in first too! HamFest was a lot of fun as usual and we enjoyed meeting old and new acquaintances.

Peter, VE4AEZ, who inflicts this verbiage on you, spent a good bit of the summer on a trip to points East and made a few 2 meter contacts on the way between Portage and Halifax. A memorable part of the trip was a tour of the Lesmith Crystal plant at Oakville, Ontario. Mr. Smith showed us great hospitality and consideration in explaining all the intricate steps in the process of converting a raw quartz block into a crystal exactly to your frequency specs. Practically all the equipment in the plant was designed and built by Les himself. He is not a Ham but is contemplating it for his retirement years. I'm sure he would have much to contribute from his store of knowledge and experience. We picked up a few rocks for the old 2 meter rig to get into some of the new repeaters.

Joe, VE4ADJ, your editor, is still on 2 meters only, but if you can take a bit of time off from your labors on the MANAM Joe, perhaps we can get you out to the next auction and get you fixed up with a nice HF rig. Well, that's about all for the summer activities of the Portage group so 73's from the capital city of Republic of Manitoba.....

Lapsus Linguae

This article on the 1981 CARF/DOC Symposium was supposed to be printed in the last issue. Due to my own ineptitude I forgot where I put this article and now offer it with apologies to Dale, VE4AED.

Report of the Research and Experimentation Workshop of the 1981 CARF/DOC Symposium.

This workshop was Co-chaired by Dale G. Johnson, VE4AED and Barry Malowanchuk, VE4MA. This report was submitted by Dale, VE4AED.

A number of very important resolutions were referred by our workshop to the plenary session. Not all were passed but discussion was extensive and lively on almost all points.

MOTION 1: Proposed by Bert Anderson, VE4AP (licensed for many years) and seconded by Ron Neurenberg, VE4KA; both members of the Canadian Amateur Radio Research Club:

"Be it resolved that the word 'experimental' be reinstated on the station license in the phrase 'AmateurService' to become again as it was before: The Amateur Experimental Service.

This was passed unanimously by both the workshop and the plenary session and this resolution underlies the importance of experimentation as the main reason for the existence of Amateur Radio in Canada.

MOTION 2: Proposed by Barry, VE4MA and seconded by VE3HWN.

"That restrictions on modes of operation be removed from the regulations in the bands 50 Mhz and above and that suitable bandwidth allocations be made."

This motion was carried.

CARF is requested and strongly urged to undertake dissemination of information on band plans [as "gentleman's agreement"] and to continue to extensively ensure that consensus is reached as changes in band usage dictate. This is a deregulatory move.

MOTION 3: Proposed by Craig Howey VE3HWN.

"That the packet only restriction on the 220 Mhz band be removed and bandwidth allocation be adjusted."

This was tabled by the plenary session after extensive discussion.

MOTION 4: "That the bandwidth for ATV (A5) be increased from 4 Mhz to 6 Mhz and above."

This resolution was carried and was moved by a prominent Regina experimenter.

MOTION 5: "That the DOC be urged to make available a clear definition of bandwidth."

This motion was carried and is to be also referred for further discussion of the status of 220 Mhz.

MOTION 6: "Because of the proposed use of Amateur Radio frequencies in lieu by Cable Television systems with the known leakage and therefore interference potential, Radio Amateurs in Canada are opposed to using Amateur frequencies in this manner."

This motion was carried unanimously.

MOTION 7: "Amateurs interested in research and development should formulate specific proposals to present to the DOC for support."

Extensive discussion evolved and Jean Jacques Rousseau for DOC feels that Amateur Radio must contribute to research and that the DOC will help with all the facilities it can for genuine research.

MOTION 8: "That a CARF committee be established for research and development in liaison with the DOC." For the proposed finding out what resources DOC can offer to further research and development in Amateur Radio and to help coordinate Amateur proposals to the DOC."

Submitted by Dale Johnson, VE4AED.

The following news from Beausejour
is brought to you by Richard, VE4QK.



*Le ham radio
it sure be fun eh!*

Our newest ham Ken, VE4ALK finally has his TVI problem fixed up and can get on the air before 2400 hours local time.

Eyfl - our Mayor, has everything ready to go but for a beam and a ticket.

Pick will be writing for his in October - a different kind of a ticket than he usually writes.

New TR7800's at VE4ALK's and VE4DD's QTH with VE4ZP taking notes.

VE4YN is working on a new house surrounded by lots of room for antennae.

VE4QK and
in the Van-
at the same
didn't manage
contact with

VE4QK
an eyeball
(ex-VE4WT) but
landline and
is doing well

say hello to all the VE4's.

VE4JW is winterizing his bike but won't be able to go mobile with his new SB100-
same problem as VE4TL- NO BUMPER.

Richard has also sent in a computer-generated WIND-
CHILL Chart and a Metric Conversion table for BAROMETRIC
Readings. If you would like copies of this please send
an SASE plus a dime for every copy wanted to: Joe
Thordarson, 1847 Gigot Avenue, Portage la Prairie
Manitoba. R1N 3G3.

These are very handy to have if you live in Manitoba.

VE4ZP were
couver area
time but
to make
each other.
didn't manage
with Joe VE7DDU
talked on the
75 meters. Joe
and wants to

-oOo-

Whiteshell Whittings

The following newsworthies is brought
to you by Jim, VE4PK from Pinawa.

The summer always seems to be a quiet time for Amateur Radio in the Whiteshell
(just the same elsewhere I suppose).

The main activity here seems to have been in the Canadian Amateur Radio Research
Club, which has five members in Pinawa, but even there perhaps, inactivity would be
a more accurate description! Not so much inactivity as flat panic and frustration!

The trouble stems from the fact that, while we have a new repeater complete with
UHF linking equipment ready to set up at Pine Ridge, we are short of heliax cable at
the right price! That's what happens when you try to put up repeaters that cost
nothing! If any readers know of a cheap source of heliax they might drop us a line
or call us on the Evening Phone Net.

Aside from that, things are very quiet out here. About the only excitement at
this QTH was the bear that got into the garbage last month! He must have been dis-
appointed because my XYL never throws anything out! Hope to have more for your next
issue.

*73

Jim, VE4PK.

Ed's note: Thanks Jim and I hope you can make it out to the meeting October 11
I am always glad to receive your letters and comments keep up the good
work.

-oOo-

Don't forget to remember that the next deadline is November 20th. Please have your
articles, comments, whatever in a few days before that deadline as this will
probably speed-up your issue of the MANAM.

HamFest '81

5

The following news has been supplied by old faithful Dave, VE4XN of the Brandon Amateur Radio Club.

Dave will have the financial report on the International Ham Fest for the next printing of the MANAM. However here are some statistics which might be of interest to all. Total Registration: 258 Amateurs; 84 from the U.S.A. and 71 from Canada. 103 Non-Hams: 42 from the U.S.A. and 61 from Canada. Prize winners-Ham main prize Icom IC2AT hand held went to VE4AKL of Winnipeg. Non-Ham prize, 12" T.V. set went to David Blatch of Winnipeg. Winners of the 2-meter Transceiver hunt were KOPVG on Saturday and KE0A on Sunday. WDOGRC was judged the Best Mobile. The farthest away Ham attending was VE3FIG of Agincourt, Ontario and KA7HOJ from Beaverton, Oregon. The oldest licensed Hams attending were: Mac, VE4TE who was licensed in 1927 and Merton, WOIZA who was licensed in 1932.

The donated auction was a great success this year and will be repeated next year, so bring your goodies for auction as the HamFest Committee could use the funds.

Ham of the Year Awards: Canadian: Dick McGuire, VE4HK. U.S.A.: Michael Mankly, WBOTEE. NOTE: Clubs in Manitoba and North Dakota are asked to have nominees names for Ham of the Year Award to the Treasurer: Dave Synal, VE4XN No Later than July 1st, 1982.

We are looking forward to a great fest next year on the Canadian side of the International Peace Gardens July 10, 11, 1982. We will have a full program planned and printed in the MANAM early in the next year.

Treasurer, International HamFest
Dave Synal, VE4XN.

Ed note: Dave, I'm really sorry that the HamFest news you sent for last issue did not come out in time for the HamFest. It was mainly due to the mail strike and partly due to me.

Dave's Deliberations ...

The following B.A.R.C. news is also supplied by Dave, VE4XN.

Other goings on in Brandon are as follows: Again in 1981 we had a A R station at the Manitoba Thresherman's Reunion at Austin, Manitoba. The station was located in the old railway station on the grounds operating under the B.A.R.C. call VE4QD. The station had 52 contacts under very adverse propagation conditions. We managed to work Japan, Alaska, Texas and Nova Scotia all on 20 meters using an FT101 and a G5RU dipole up 40 feet at the apex. Also, 2-meters capability working the Neepawa and Brandon repeaters. Those lending a hand in operating a few hours each day were VE4's: OD, TE, AHL, ID, AEJ, PG, QZ, ACA, ND, AGS. We plan a station there next year if invited and will need operators again so if you have time please let us know of your desire to operate and also visit the activities going on. The dates are July 21 to 24, 1982. Contact either VE4OD or myself, VE4XN.

HERE AND THERE

Regret to report the passing of Alex Crerar, VE4CI.

Woody, VE4AAD has moved back into Brandon from Douglas.

Bob, VE4KM is feeling better after a long illness and is looking to get his tri-bander up 60 ft. and work some Dx.

Doug, VE4QZ is going back and forth to his ranch NE of Riding Mtn, Park. Doug has a complete A R station up there plus capability of hitting Moosomin rptr, Baldy Mtn., Brandon, and Neepawa rptrs.

Dunc, VE4OD is not too active these days- has other business interests at the moment.

The next meeting of the B.A.R.C. is the 1st Tuesday in October (6th) in the Conference Room, Assiniboine College at 8 PM.

The next planned activity-Goblin Patrol-2-meters October 31st, 1981.

Joe, VE4JF is having more than his share of health troubles, still managing to keep on the air; Keep it up Joe.

VE4QST

6

The following Canadian Amateur Radio Federation Bulletins have been sent in to the MANAM via Malcolm, VE4MG/QST.

C.A.R.F. has only issued one bulletin since our last report. Of special interest to Manitoba Amateurs is that any alien who can pass the Canadian Amateur Certificate examination may obtain a Canadian call and operate a station in this country. This should be of particular interest to our American friends who sojourn North of the border, as at present they must use only frequencies and modes permitted at home; so, if they can pass the Canadian test, they can use our frequencies and modes plus get a VE call to boot.

-000-

Canadian Amateur Radio Research Club by Keith, VE4BC

That imposing title is simply the formal name for a group of Amateurs working on projects too ambitious for one person to handle alone. The club was formed when an opportunity came, two years ago, to install a 2-meter repeater on a high altitude balloon. The package was carried to an altitude of some 102,000 feet, and was worked, 2-way, as far as 450 miles away. The experiment, written up in QST and 73 Magazine, whetted appetites for more, so members are now upgrading the repeater for another experimental flight next spring or summer. If all goes according to plan it will have an on-board microprocessor and will use telemetry signals to report command acknowledgements, power supply condition, etc. Of course there is much still to be done.

Two other projects are currently under way, a 12 foot dish and a 4 boom yagi for E.M.E. (moon bounce) experiments, and a 2 meter link repeater to provide access to the Pinawa repeater where some of the key members are located.

Construction takes place in back yards and basements, with organized work parties when necessary, and periodic meetings to tie it all together. Materials for construction are borrowed, scrounged and when all else fails, purchased. Some commercial firms have come forward with very much appreciated donations of new or surplus equipment. Somehow the jobs get done.

Progress reports will appear in future issues of the Manitoba Amateur, but if you require more information, or are interested in becoming involved, please contact Bert, VE4AP at 667-8010 in Winnipeg, or Martin, VE4AU in Portage la Prairie, or myself.

73

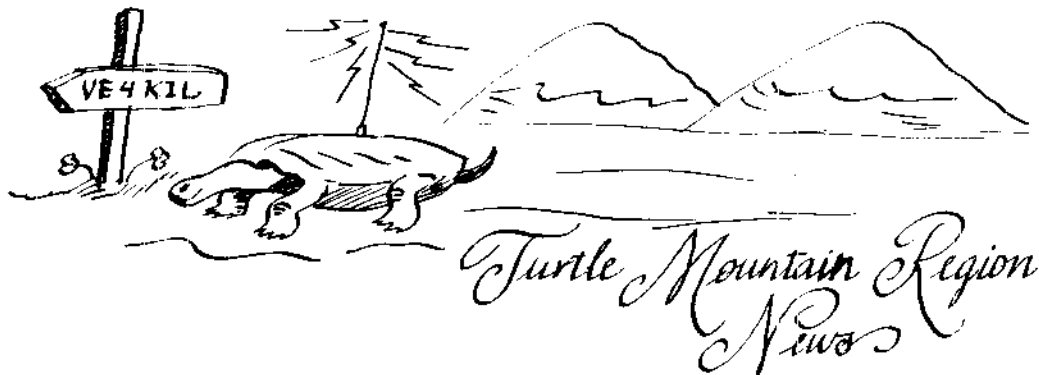
Keith McConnell, VE4BC

Ed's note: Thanks very much for this information and I sure we are all anxious to hear from you and the C.A.R.R.C. in the future, good luck.....

Here is another special note: Harold, VE4AAF is trying to set up Amateur Radio classes in Langruth, it seems that there is a lot of interest in that area. Future ARRLM members perhaps. For further information please contact Harold.

The A.R.L.M. Executive and interested parties will be having a meeting on October 11, 1981 in Neepawa. Further details can be obtained by contacting Noel, VE4CF.

AND REMEMBER: That the deadline for the next issue will be NOVEMBER TWENTIETH.



Turtle Mountain Region News-----compiled by Charlie VE4LE
VE4KIL has been undergoing minor adjustments during the summer season and the next project is to get VE4KIL ready for winter. Thanks to chief engineer and club president NOAEP-Cil from Rock Lake with help from Jim-VE4AGS from near Clearwater, and Bob VE4RO and Terry VE4AIE.

Congratulations are in order to Jim VE4AGS and his hamfest crew for putting on a fine event in the America Lodge at the International Peace Garden on July 11 and 12, about 155-160 hams registered although there is a number who may not have, A number of XYL's, YL's and families were in attendance. We had ideal weather and everyone seemed to enjoy 'Hamfest81'. Special thanks to Don WA0CSK and Mary WA0CSL for putting a fine breakfast on and also to the Fugitives orchestra from Maryapolis, for providing the music for the Saturday night dance. Good luck to all of those who will be taking on the job of next years Hamfest.

Field day was staged June 27th and 28th and for the T.M.A.R.C. this was a station operating two transmitters at Henderson School near Lannerman, South-West of Killarney. The spirits were dampened slightly with a little bit of rain on the Sunday afternoon, although it was much needed and a hailstorm on Saturday afternoon which was not needed, but flattened the crops in the Lena area which I'm sure didn't make VE4RD too happy. There were only 8 operators in attendance: Jim, VE4AGS, Morley, VE4LV from Baldur, Dave, VE4AGI from near Ninette, Charlie, VE4LB, Bill, NOAEP from near Rock Lake and of course the Killarney crew; Bob, VE4RO, Terry, VE4AIE and Ron, VE4AJN.

Thanks to Ron, VE4AJN kitchens for supplying some of the food needs and also a special thanks to Tangene, harmonic of VE4AJN for acting as chief logger and girl Friday. There was a rumor going around from time to time that Tangene had volunteered to operate the night shift next year, either as a logger or as an operator if she has her ticket by that time. There were repeated attempts to quash the rumor however; maybe the Gopher Creek people will lend us some operators for next year, but thanks to all who attended this years event.

Summer is a vacation time and Terry, VE4AIE and Ron, VE4AJN spent part of it in a westerly direction, we welcome both of them back and I understand that Ron is experimenting and trying to devise a system whereby he can operate mobile from a motorcycle. Hugh, VE4VC at Cartwright now has his advanced license and hopefully we'll be hearing him on the air soon.

VE4Barking Dogs and VE4LE attended the September meeting of the B.A.P.C. on Tuesday September 1 at Assinboine Community College. There were only 11 members in attendance and four of them from outside Brandon. By the time this issue goes to print hopefully VE4BD and myself will have made a visit up to the Birtle/Rosburn area, tentatively scheduled for Sunday, September 20. At this time we would like to welcome Walt, VE4ALX to Rosburn and to Manitoba. Walt has been heard from time to time on the VE4KIL repeater as well as just about every other area from the Red River to Regina.

-o0o-

Executive Meeting: October 11, 1981....Deadline for next MANAX NOVEMBER 20th.....

A letter from Saskatchewan

8

The following letter is from Roland J. Crull, VE4RS, formerly VE4RS who lives in Broadview, Saskatchewan. He has been licensed since June 11, 1954 and was an ex-VE4RS for 26 years. He writes:

Dear Editor,

The station set up here is Collins gear, it is 20 years old but it works faithfully and well.

This letter is to inform that Collins Canada Division now have three dealers in Canada in the Amateur Radio field.

1. Canadian Communications Co.,
180 Finchdene Square, Unit #1
Scarborough, Ontario. M1X 1A6
Attention: Mr. Udo Franz. Phone: 1-416-291-7891.
2. Hamtraders Inc.,
45 Brisbane Rd., Unit #18,
Downsview, Ontario. M3J 2K1
Attention: Mr. Murray Lampert. Phone: 1-416-661-8800.
3. Iolestar,
211 Mission Ridge Center,
St. Albert, Alberta. T8N 2G4
Attention: Mr. Bob Haagensen. Phone: 1-403-548-6324.

I thought you might like to put this information in the ManAm - a few of your readers could be interested in this information - particularly if they use Collins equipment. Someone may want to trade their old gear in on a KWM-350.

Thanks to Roland for this letter, I'm sure there are some Collins users within our publication area.

-oOo-

I gleaned this following byte of information from HI-Q, The Lakehead Amateur Radio Club Bulletin.

This is a story about four people whose names were Everybody, Somebody, Anybody and Nobody.

There was an important job to be done and Everybody was sure that Somebody would do it. Anybody could have done it but Nobody did it. Somebody got angry about that because it was Everybody's job. Everybody thought Anybody could do it, but Nobody realized that Everybody could do it. It ended up that Everybody blamed Somebody when actually Nobody accused Anybody.

-oOo-

Society in its full sense ... is never an entity separable from the individuals who compose it. No individual can arrive even at the threshold of his potentialities without a culture in which he participates. Conversely, no civilization has in it any element which in the last analysis is not the contribution of the individual.

- Ruth Benedict.

-oOo-

!!DON'T FORGET THAT DEADLINE!! IT'S NOVEMBER TWENTIETH!! SEND YOUR STUFF IN A FEW DAYS BEFORE THAT SO WE CAN GET THE ISSUE OUT EARLIER!!

A Net Manager Speaks⁹

This article on the Manitoba Evening Phone Net has been submitted by Von Moore, VE4NM.

During the month of June a new rollcall for the M.E.P.N. was printed. In keeping with our policy of keeping only active stations on the roll, that is stations able to check into the net at least twice per week, some long time members who were enjoying the good weather has to be dropped.

Let me make it very clear that it is not our intention to exclude anyone from the net. But, to keep our rollcall up to date and active we must follow this stipulation without exception.

Now that fall has arrived with winter close behind you may feel you have more time for Amateur Radio and the M.E.P.N. If so please indicate your desire to be reinstated on the new rollcall to either Bill, VE4CF or me, VE4NM. The new rollcalls will be printed every three months and we look forward to welcoming back as many old timers who indicate they wish to be reinstated on the rollcall as well as any new members.

If you feel that due to other commitments you will be unable to meet the minimum of two check-ins per week criteria please feel free to check into the net before rollcall when the net control stations ask for check-ins from stations not on the rollcall.

In closing I hope we have not offended anyone who had their call deleted in the past and that you will understand our position if the need arises in the future. I hope everyone has an enjoyable summer as we had and look forward to many pleasant QSO's this winter.

-o0o-

This byte of information reaches us via the VE6 NEWSLETTER, a publication of the Alberta A.R.C.....If you need the exact length of that quarter-wave vertical for two-meters.....divide 2770 by the exact frequency of operation. [or hit a reasonable alternative]

Canadian Amateur Radio Federation

-o0o-

The following wealth of information is being brought to you by the C.A.R.F. NEWS SERVICE/RADIO NEWS.

The C.A.R.F. board has decided to increase membership dues. The new rates will be in effect from October 5, 1981.

Individual fees will be \$15.00 for one year. Multi-year will still be available: three-year fees = \$40.00; Five-year fees = \$65.00 and the new lifetime membership will be: \$225.00. Annual family membership remains the same at \$1.00. Although annual operations had risen from 1975 from \$25,000 to \$100,000 last year during that period although costs had quadrupled, thanks to increasing membership and publication sales it had been necessary only to double the fees.

Six meter operators will be interested to know that HR REPORT has published a notice from S.M.I.F.K. [sounds like something out of James Bond...Ed's note] that there is now a beacon on 50.195 Mhz with the call sign OA4AWT.

-o0o-

Don't forget that the DEADLINE for the OCTOBER/NOVEMBER issue is NOVEMBER 20th. Please have any copy into me at least three or four days before this deadline, it would be very much appreciated.

Letters to the Editor and the A.R.L.M.

The following letter was sent in by Tom Mills, VE4SE who is an Eastern Director of the A.R.L.M. I, personally would like to thank Tom for making us think and for stirring us up a little. I hope that his statement will stimulate replies and statements from other members and directors. I believe that his article will make us all very much aware of the necessity of involvement and the need for re-evaluations from time to time.....Joe, VE4ADJ.

With all the local clubs now in existence throughout the province, do we really need A.R.L.M. ? At one time with the few Hams outside of Winnipeg and scattered about the province we had a need to try and keep them informed as to what was happening. Now I believe this has changed. It is also very hard to get directors. No one wants to become involved. If you don't believe that's true, look at the directors now involved and see how many times they have been elected through acclamation. It's nice to think there is nobody better to do my job so that's why I am always re-elected. It's a great boost to my ego. Or, is it no one else wants the job? It's such a lousy position let him keep it. The above statements do not pertain to my position only but to all positions on the club. Of the 800+ Amateurs in Manitoba we have 166 paid members.

Len Herrington, VE4QL, has received a letter asking why there has been no Call Book for Manitoba issued this year by the A.R.L.M. The first page of the current Call Book gives the answer. I quote " In order to ensure that this service continues we need a minimum of 300 members" unquote. Also, who wants to take on the job of publishing it? We have 166 members. Our financial picture is good at present. Should we dip into the funds for the Call Book until all the money is gone? Then what? If the A.R.L.M. did fold, then what? What should we do with the money left over? I have several suggestions.

Donate to the Winnipeg Repeater Society. I believe they are servicing more Hams in the province than anyone else. Donate it evenly to all the repeater groups in the province. That way many more Hams would benefit. Divide the money between all the recognized clubs in Manitoba. Have a party for all paid up members as of this date. (I like the last one) License plates, no problem there I would continue as long as necessary, or perhaps someone else preferably in Winnipeg, could take it over. Or, W.A.R.C., might want to look after it. As you don't have to be a member of a club to receive plates, I don't believe you have to be a member of a club to administer it.

Auction. Is two auctions a year too many? If there was no A.R.L.M. to put on an auction maybe W.A.R.C. would look after a spring and fall event, or maybe one auction would be enough.

The above letter is my own personal view. It in no way is a reflection of statements or policy from the other directors. In fact, I have not even discussed the above with any other director.

Do we have rebuttals? Let's hear them. Tear my letter apart if you can, Lets hear any other suggestions.

Tom Mills, VE4SE, Eastern Director.

-oOo-

Tom, I'm afraid space does not allow me to reply in whole to your article, but I will try and summarize.

The main points of your argument, which, I believe are decreasing membership and personal involvement; are two items which I have a contrasting opinion. I believe that with the Amateur population in Manitoba ever increasing there is more of a need for communication and to let all know what is happening. As to involvement, perhaps you have not been reading your MANAM lately and recognized the input from most areas of the province. The Canadian Amateur Radio Research Club is a fine example of involvement. I also believe that Manitoba Amateurs expect the Call Book as part of their membership fees and I agree with them. In fact if anyone is looking to publish the Call Book look no farther.....Joe, VE4ADJ Editor of the MANAM.

Statistics Count

11 The following is the REPORT OF THE MANITOBA C.B.R.L. EVENING PHONE NET for JUNE, JULY and AUGUST, 1981. It has been tabulated and commented upon by Bill, VE4CR, Secretary.

JUNE 1981

Number of Sessions.....30
 QNI Total Check-in's.....742
 QTC Formal Traffic during Net.....20
 QTC Formal Traffic by the Individual Stations are as follows:-

VE4PG	42	VE4JA	12	VE4OE	4	VE4XN	2
VE4TE	34	VE4AED	7	VE4AAU	3	VE4AES	1
VE4ACX	30	VE4AJE	7	VE4CR	3	VE4JP	1
VE4CF	21	VE4TL	5	VE4LB	3		
VE4AAD	16	VE4FK	4	VE4MG	3	<u>TOTAL=</u>	<u>198</u>

Conditions on the net frequency have been poor more than 50% of the time resulting in some reductions in the check-ins and also the traffic. On field day, several of the net stations were active and handled considerable traffic.

Malcolm, VE4QST continues to do a good job of announcing C.B.R.L. and C.A.R.F. bulletins five minutes before the net commences.

As a result of the interruption in postal services, stations are beginning to handle additional traffic which normally would be mailed.

JULY 1981

Number of Sessions.....31
 QNI Total Check-in's.....742
 QTC Formal Traffic during Net.....17
 QTC Formal Traffic by the Individual Stations are as follows:-

VE4NE	67	VE4AAD	17	VE4TL	3
VE4PG	46	VE4CR	12	VE4AFZ	2
VE4TE	38	VE4LB	7	VE4RL	2
VE4AJE	25	VE4AAU	3	VE4NM	1
VE4ACX	23	VE4AEJ	3	<u>TOTAL=</u>	<u>249</u>

Band conditions have been poor for most of the month with severe thunderstorms in most of the central and southern areas.

Chris, VE4NE has handled considerable traffic while operating from the pavilion where the Ukrainian Folk Festival was being held in Dauphin.

Ed, VE4CZ has moved from Thompson and is regularly checking into the net from Winnipeg.

Charlie, VE4GB has been on a western trip and is expected back early in August. The postal strike has held up mailing of the June and July reports to all concerned.

AUGUST 1981

Number of Sessions.....31
 QNI Total Check-in's.....759
 QTC Formal Traffic during Net.....24
 QTC Formal Traffic by the Individual Stations:-

VE4PG	158	VE4ID	18	VE4AFO	7	VE4CF	2
VE4NE	151	VE4AAD	17	VE4LB	6	<u>TOTAL=</u>	<u>494</u>
VE4JE	40	VE4JA	13	VE4UM	4		
VE4TE	35	VE4CR	10	VE4NM	3		
VE4ACX	18	VE4FK	9	VE4TL	3		

Propagation on the net frequency has been fair and some nights it was very poor.

Both Chris, VE4NE and Peter, VE4PG handled a considerable amount of traffic which originated at the Ukrainian Folk Festival in Dauphin.

Jim, VE4IF has been in Pinawa Hospital for some time and we wish him well.

Lawrence, VE4LQ has been controlling the net Sunday evenings and during July and August while Dick has been absent from his home QTH.

Special Interest to Manitoba Amateur Operators

The following, as promised, was sent to us via Peter, VE4PG and is directed to all Manitoba Amateurs.

Dear Fellow Amateurs,

It has been several years since I had an article on the merits of CW and CW Nets. Recently, I was again asked to give the pros and cons on this subject as there is a great deal of misunderstanding on what it all proves.

For once I am staying away from the part, such as what we as amateurs, should do, or not do as far as public service is concerned. I will try and stick with the business end of it.

CW Nets are only there for several reasons. One is to have an outlet available so that new operators can improve their CW speed. Let's explore that a bit. We who are on the CW net (MTN), take it for granted that every amateur can send and receive 10 wpm. It would be defeating our own purpose if we sent slower than that. Obviously, we do send faster and the common complaint is that we are too fast for the average newcomer.

The normal speed sent on MTN is about 18 or 20 wpm. One reason for this is that you have to be able to copy at least 18 to copy 15 solid. The general rule is the speed of 20 in order to pass on 15.

THE CW NET IS FOR IMPROVING YOUR CW STANDARDS, NOT TO DEGRADE THEM.

Next we have the other purpose of the CW net. Before I go into this in greater detail, let me assure you that no one amateur is perfect, but we should try. You might be surprised that a lot of oldtimers that are still good on CW, do not know how to properly make up a message. In fact, less than 20% of the messages sent in Manitoba are made up properly.

THIS IS ANOTHER FUNCTION OF THE CW NET, AN IMPROPERLY SENT MESSAGE SHOULD BE CORRECTED.

Operators that know better should take a few minutes to straighten out a message if and when they receive a message that is not in its proper form. This should be done on the air, and the operator told the correct way. Too often we are in a hurry and just don't spend a few minutes with a new operator.

The biggest errors made are the extras added to a message. For example,

1. The number first (NR 1)
2. Type of message
3. Routine or priority, in most cases it is routine (R).
4. Station of origination, your call or in this case mine (VE4PG)
5. The check number of the words in the text is counted including the X at the end of each line.

THIS TELLS THE OPERATOR WHO IS RECEIVING THIS MESSAGE HOW LONG THIS MESSAGE IS AS WELL AS IT CAN BE CHECKED FOR ACCURACY.

Another reason is that should the text be a very long one, say 50 words or more, and band conditions are very bad the operator can now early in the message say that conditions are not good enough to copy such a long text accurately.

.....Continued on next page.....

DEADLINE: NOVEMBER TWENTIETH

One of the biggest faults in making up a CW message is to send the letters CK, in front of the check number. This should never be done as it can become part of the originating stations call letters if band conditions are bad.

IN OTHER WORDS DON'T SEND ANYTHING THAT DOES NOT BELONG ON A MESSAGE.

Next we have the originating stations location, and in this case it would be (Morris MB) MB is for Manitoba.

Next, the time, (0030Z) and the date (JUNE 1). Lets rehash what we have so far.

NR 1 R VE4PG 14 MORRIS MB

0030Z JUNE 1

You will note there are no extra breaks or whatever in the preamble such as periods, commas or whatever. The above preamble is sent without sending any other dits or dabs that might spoil the preamble. It is sent all in one sentence. Next we have the name of the person it goes to and again here is where many, even the best screw it up. Many operators wrongly send a break or something to break up or separate the date from the name or rather addressee.

THERE IS NO BREAK AND YOU CONTINUE TO SEND IN ONE SENTENCE.

JUNE 1 MR JON ADAMS. You will note there is nothing between the date and MR. It is a common fault to send the letters TO, and in this case it would be JUNE 1 TO MR. JON ADAMS. THAT IS WRONG The letters TO CAN BECOME PART OF THE FIRST NAME and in many cases it has happened. Next we break up or rather separate the name of the addressee and the box or street number as well as the city of the addressee.

We do this so box numbers or street numbers don't get all mixed up. The most effective way is to send two letters for spacing: AA, known as the double A. We can now complete the preamble.

NR 1 R VE4PG 14 MORRIS MB

0030Z JUNE 1 MR JON ADAMS AA 243 THIRD STREET AA OTTAWA ONT AA TEL

444 4444 BT

That is a complete preamble and sent without anything added. It is in fact a one sentence preamble and no or little chance for it to get screwed up.

THE RULE TO REMEMBER IS TO SEND ONLY WHAT IS SUPPOSED TO BE IN THE PREAMBLE AND NOTHING ELSE

You will note the letters BT at the end of the preamble. IT INDICATES TO THE RECEIVING OPERATOR THAT THAT IS THE END OF THE PREAMBLE AND THAT THE TEXT IS NEXT.

You will note I had a check number of 14 in the preamble, so that is the number of words the text must have, no more no less.

This is the text.

HAVE A GOOD SUMMER X GOOD FISHING AND GOOD CAMPING X GOOD LUCK 73 BT PETE VE4PG

Counting the words and the breaks (X) you have a check of 14.

The letters BT are not counted as they only indicate it is the end of the text, same as in the preamble. Words in the preamble are not counted, only the words in the text are counted.

The reason for all this fuss and accuracy is to send only what is needed, thus eliminating the chances of a garbled message. If this message is sent at 15 wpm it will reach a speed of anything up to 40 or 50 wpm by the time it reaches its destination. Obviously only what belongs on it will assure delivery without error. Trained operators know what is coming, and know what to look for in a preamble, so don't send anything such as periods, commas etc, that don't belong.

Continued following page

Obesity is really widespread.....Joseph O. Kern II. Captured from Peter's Quotations by Dr. Laurence J. Peter.

I have great faith in fools; self-confidence my friends call it...Edgar Allan Poe (1809-1849)

.....CW and CW NETS Continuing.....

The completed message should be written or typed out in the following order.

NR 1 R VE4PG 14 MORRIS MB
0030Z JUNE 1 MR JON ADAMS AA 243 THIRD STREET AA
OTTAWA ONT AA TEL 444 4444

BT
HAVE A GOOD SUMMER X GOOD FISHING AND GOOD CAMPING X
GOOD LUCK ?3

BT
PETER VE4PG

Try and keep messages short, even in the preamble you can send MR MRS instead of MR AND MRS. Complete addresses and if possible a phone number will save a lot of time and make for better delivery.

Of course phone traffic is a bit different, and the word (check) as well as the word (to) will be used. If taken by an operator who will deliver this or relay it on CW, both words will be left out. If delayed on phone, both will be repeated. Obviously, the least words used the better on CW. To many of our new operators young and old, get into bad habits in making up traffic, and once that happens it is hard to break. Often you hear complaints from an operator that did not have his or her message delivered due to it being garbled and in most cases it started right from the originator.

We have a bunch of dedicated operators on the CW net who are there only to help you. It is unfortunate that the excuses that come very seldom hold water. There is no other mode that can benefit you and others than what CW can. To get good at it is easy, to get efficient at it is something else again. Once mastered you will never part with it.

The next question is how can I participate.

MIN is on 3660 KHz every evening in the fall and winter and four nights per week in the summer; Monday, Tuesday, Wednesday and Thursday.

The net control station will be calling MIN MIN QNI ?

What he is doing is asking for checkins and if there is traffic, QNI means checkin, QTC means traffic. The more traffic (messages) you originate the sooner you will know how and at the same time improve your CW.

In order to participate, all you do is send the letters BK after the net control asks for QNI and QTC. He will then also return the BK and you then identify your call, and if no traffic send QRU.

For example: say I am the net control...MIN MIN DE VE4PG QNI QTC ?

You then send BK I return your break and you check in as follows: VE4PG DE VE4ZZ QNI QRU If you have traffic for Winnipeg, you would say instead of QRU QTC WINNIPEG 1 If you have more than one, say 2, you would send Winnipeg 2 and again end with a BK. Out of province traffic is all TEN traffic and if you had one for BC you would send QTC TEN 1 and not BC 1

The best way and the only way is to check into the net and learn as you go along. You will be confused on many a time, when net control stations take short cuts, but this will only happen together with another well experienced operator. If net control sends too fast send QRS QRS and he will slow down. Its as simple as that. We welcome new operators and we take all the time needed to teach them. A few simple rules...once you check in you do not leave that frequency until net control says so or excuses you from net. He does this by sending your call letter, sends QRX which means you are excused and sends his own call.

.....Continued next page.....

..... didahdidandidah

Amateur Radio may well be a career from which no man really recovers.....
The nearest thing to immortality in this world is a government bureau...General Hugh S. Johnson.

....Conclusion of CW and CW Nets by Peter, VE4PG.....

One more thing on messages. If using numbers in the text, put it into words....example: the number 10....should be sent as TEN. This only applies to the text and not the preamble.

There is a lot more but the idea is to take the bull by the horns and check into the CW net, not just to see if you can do it, but to learn the fine art of traffic handling as well as improving your abilities.

I think you will admit it doesn't take much to work into a phone net, but it takes a little nerve for the first time on a CW net, and it takes guts to learn the trade.

Since you have reached a stage where you have earned your ticket through blood and tears, the fact is you are only beginning to know what ham radio is all about.

You will never enjoy ham radio unless you learn the benefits of what opportunities good CW can give you.

Have a good summer.

Peter Guenther, VE4PG SCM MB.

Ed's Note....Thanks for this very informative article Peter sorry we couldn't include it in the last issue there just wasn't enough room.

-oOo-

For this next puzzle I would like to thank Bill, VE4AFO who sent in a number of computer-generated word search puzzles back in March, 1981. We will be using more of these in the future.

.J..Q..I..V..P..T..S..M..M..G..A..C..N..Q..B.
.F..M..E..T..E..R..T..F..R..E..N..N..A..C..S.
.E..V..D..D..W..U..K..C..S..T..X..J..N..N..P.
.G..T..G..I..E..M..B..V..E..R..T..I..C..A..L.
.K..Y..L..H..I..I..C..T..S..L..V..D..A..M..M.
.T..C..D..E..U..C..I..P..E..T..E..W..X..B..K.
.O..L..I..L..E..R..N..X..R..R..E..S..I..C..W.
.P..A..P..I..Z..O..O..V..V..E..V..V..E..X..C.
.Q..R..O..B..K..L..R..F..I..F..O..R..D..S..Q.
.V..I..L..O..F..O..T..Y..C..L..H..D..I..R..P.
.Q..F..E..M..I..G..C..E..E..E..P..J..G..E..N.
.J..I..T..W..K..U..E..A..K..C..X..O..I..K..J.
.G..E..E..A..L..M..L..Z..I..T..V..O..T..D..U.
.W..R..A..G..E..R..E..R..M..O..A..C..A..G..B.
.D..X..C..O..S..V..S..K..H..R..J..R..L..X..X.

*Puzzling
Propagations*

The words to search for are:-
ELECTRONIC DIGITAL MIKE
METER CLARIFIER MOBILE
MICROLOG VERTICAL SCANNER
DXCC REFLECTOR SERVICE
SELKIRK PRESELECT DIPOLE

You may wonder...."Now, how am I going to know if I get the right answers."
Wonder no more.

-oOo-

When you prevent me from doing anything I want to do, that is persecution;
but when I prevent you from doing anything you want to do, that is law,
order and morals,

- George Bernard Shaw

-oOo-

Did you have enough reminders of the next deadline yet?

"He who can take advice is sometimes superior to him who can give it."

- Karl von Knebel (1744-1834)

][On the other hand, if you can tell the difference between good advice and bad advice, you don't need advice][

Two-Meter Interests

The following item of interest has been found in THE GROUNDWAVE, the official bulletin of the Ottawa A.R.C. It was sent to that magazine from VE3PQ for the June 1981 issue. I believe this article should be relevant to all Manitoba Amateurs.

Not many years ago, a couple of two-meter FM operators could QSY from the repeaters to a secret frequency for a private chat without the risk of being discovered or of causing unintentional interference to other communications.

Not so today. But statements such as this are being heard more and more frequently.

The popularity of the synthesized rig has made it easier than ever to operate just about anywhere on the two-meter band and even outside it. My observations have shown that many of those seeking a bit of relief from the busy repeaters may be unaware that they may be causing interference to others.

Over the years, D.O.C. have pretty well left the Amateurs to administer their own affairs within the limitations of the Radio Act with respect to CW/phone sub-bands, mode of modulation, bandwidth and the like. Nowhere has this self-administering policy been more evident than in the FM repeater portions of the VHF and UHF bands.

Repeaters and simplex frequency allocations are organized according to a plan devised over the years by the A.R.R.L. Administration of this plan is handled at the local level by Repeater councils.

The other evening, two stations made contact on RPT and made arrangements to QSY. No specific frequency was mentioned; they obviously had a secret pre-arranged simplex channel. I programmed by scanner to search and found them at 145.65 Mhz. While searching, I also found another QSO at 145.98 Mhz. Now, there is nothing illegal about either of these two cases. F3 modulation is permitted by D.O.C. on both the frequencies mentioned. But, one of them is in a sub-band suggested for packet transmission and the other in a segment reserved for OSCAR.

So I wonder were the Amateurs aware of the interference they may have caused to other services? I'd like to suggest that every Amateur should in fact be obligated to make himself aware of the other activities which share our slice of the spectrum and be sure that his operating habits do not cause undue interference to others.

The band plan for two-meters is as follows:

144.0 - 144.5.....No FM [weak signal, SSB, CW, etc.]
 144.5 - 144.9..... Repeaters, inputs only.
 144.9 - 145.1..... Simplex [non-channelized any frequency]
 145.1 - 145.5..... Repeaters, outputs only.
 145.5 - 145.8..... Packet only.
 145.8 - 146.0..... Satellite work.
 146.0 - 148.0..... The familiar FM sub-band.

Simplex work should be restricted to 144.9 - 145.1, 146.445 - 146.595 and 147.405 - 147.565 and should stick to recognized channels above 146 Mhz.

-oOo-

Quotable quote: "The only man who can change his mind is a man that's got one." - Edward Noyes Wescott [1846 - 1898]

-oOo-

This is a personal note to let you know that: you may have noticed, as oftentimes some people will, that the ~~right~~ hand margin is probably not the straightest anyone has ever seen. Then again wasn't it Groucho Marks who said that any club who would have me for a member wouldn't be a worthwhile club....HI HI

DON'T FORGET THAT EVENTUAL DEADLINE: NOVEMBER TWENTIETH. ROOS' LAW: If there's a harder way of doing something someone will find it. - Ralph E. Roos

Consider the following information to be valuable as it has been supplied by the C.R.R.L. Newsletter, May/June 1981 Issue.

Finalized dates for the 1982 D.O.C. examinations are as follows: February 10, April 21, June 16 and October 20. Application forms must be submitted to D.O.C. four weeks before the date of writing. The remaining date for 1981 is October 21.

The C.R.R.L. Question Book by Lou Beaubien, VE7CGE and members of the Burnaby A.R.C., has been revised and expanded to become the C.R.R.L. Questions and Answers Book. This 70 page guide will be available now with a price to be announced.

The MANAM has two new television personalities in the form of John Gowron, VE4ADS and Gil Frederick, VE4AG. Both appeared on CKY-TV's Today's World and explained the why's and why not's of Amateur Radio. John has been following this up with talks to several non-Amateur groups and will be, or has made (depending upon the date) an appearance on a Winnipeg open-line radio show.

Al Leith, VE3FRA who was Editor of the CANAD-X Newsletter LONG SKIP, is now publishing his own bi-weekly newsletter DX-REPORT. For information on how to subscribe to this magazine write to: Al Leith, 10 Farington Crescent, St. Catharines, Ontario. L2N 5W3

D.O.C. has released draft copies of a revised TRC-24, the syllabus for all Amateur examinations. D.O.C. is proposing a distinctive set of subjects for each certificate.

The 5 subjects for the AMATEUR certificate are: 1. theory of electricity 2. tubes and semiconductors 3. radio wave propagation 4. block diagrams and emissions 5. amateur station set-up.

The 5 subjects for the ADVANCED AMATEUR certificate are: 1. power supplies 2. receivers 3. transmitter 4. antenna systems 5. test equipment.

The subjects for the DIGITAL AMATEUR certificate would be the 5 ADVANCED AMATEUR subjects together with: 1. pulse modulation 2. digital communications 3. control techniques 4. packet radio 5. protocols and software.

All subjects are laid out in considerable detail.

Copies of this draft are available from C.R.R.L. Send an SASE to: Box 7009, Station E, London, Ontario. N5Y 4J9

-oOo-

If any Amateurs are planning to move or have moved to a new location please let Len Herrington, VE4QL or Noel Funge, VE4CF know the details of your new addresses so there won't be any delays in receiving your treasured copies of the MANAM or the A.R.L.M. CALLBOOK.

-oOo-

Wanted: Dual drive floppy disc for PET, must be house-trained. Harold, VE4AAF

WANTED: A set of crystals for the Neepawa Repeater, VE4NEP. The crystals must fit a Multi-7 FM Transceiver. Please Contact: Joe, VE4ADJ.

-oOo-

If any Radio-Amateurs in our publication area have any handy hints, safety tips, little known facts, quips, quotes, complaints, compliments, conversions, wants, not-wants, puzzles, plots, secrets, trips, money, aversions, embarrassments, perplexities, joys, sorrows, bundles, bungles, firewood, customs, sympathies, advantages, disadvantages, convictions, assemblies, send them in to be published.

Rail & Waggonery

The following story: Diary of a Homebrewer, originally appeared in the Canadian Amateur Radio Magazine TCA. However, this story bears only a resemblance to the original in that it follows the same format with the same idea in mind. The names and situations are apollonian to uncover the guilty. This story is mostly part ethereal. Which part you may ask?

August 17, 1979- Got my dyno-tuned Multi-17 Single-6 transceiver from Haul-Crafters today in the mail. The guy who sold it to me, Dave, said that this was the latest development in synthesized stereo digital.

October 3, 1979- Sure like its looks, Dave said it was for two-meters so it looks like I'll have to buy a power supply.

October 19, 1979- Peter, gave me a schematic for a 12 volt supply and Harold told me his grade twelve science class could probably put it together. He said that he could order a special transformer from Jim out in Nova Scotia but that he had most of the other parts. His class was busy making gunpowder in Chemistry at the moment and they would not be able to start work on the supply until April.

March 30, 1980- Harold just called, said that the supply won't be finished until June.

May 25, 1980- I'm building a 5/8 whip from an old article in the MANAM so the antenna will be ready soon.

June 10, 1980- School's almost over and no power supply. Harold says he'll make it himself before the end of the month.

June 29, 1980- Still nothing done, Harold gave me half the parts and they cost about \$30.00.

July 8, 1980- Picked up some parts in Winnipeg today and they cost about \$25.00, guess I should have sent to Vancouver for them.

August 15, 1980- Went to the auction with Jack and Mac to buy a few "junkie" boxes. Managed to find what I thought were parts for a power supply but Mac said that they were marine radio parts and probably NG. The boxes cost me \$10.00. Ordered some diodes and trim pots from Vancouver which cost around \$10.00.

August 20, 1980- Mounted that 5/8 today, borrowed Roland's power supply and that seemed to work.

September 8, 1980- The diodes and trimmers finally arrived from Vancouver.

October 5, 1980- Harold and I finally finished making that power supply. Harold said that his students would test it at school.

October 11, 1980- Would'nt you know it, there was a short. Harold gave it to one of his students, Malcolm, to check it out.

November 7, 1980- Malcolm couldn't find the problem but will keep trying.

November 30, 1980- Harold says nothing can be done on it for a while as Malcolm was in the hospital due to a capricious gunpowder experiment.

Continued next page

Dor.'t forget that deadline.....NOVEMBER TWENTIETH.....

To be a success in Amateur Radio be daring, be different, be first. Amateur Radio is the transmission of civilization.

Homebrewer's diary continued

December 3, 1980- Am now going to school myself to work on the supply. Short was found but I seem to be getting a steady 22.5 volts.

December 10, 1980- Another two hours work and still nothing.

December 13, 1980- Bought it home, maybe I'll have more luck here.

December 27, 1980- Picked up several replacement parts in Portage today.

December 29, 1980- Designed a PC board and fried a transistor. Decided not to keep track of the money spent, Ron figured that it would hurt too much.

January 8, 1981- Bought another transistor in Gladstone, it looks like the other one was color-coded wrong. Bill tried to tell me that it was me who was color-coded wrong, hah, what does he know.

January 13, 1981- Well, everything is hooked up again so here's hoping.

January 15, 1981- Borrowed a voltmeter from Peter today and you know the thing finally works.

January 16, 1981- As I sit back and review the last two years I kind of think that I should have sent to Vancouver for a power supply. No more home brews for me.

January 30, 1981- I've just read another article in QST about an easy way to build a transmatch, Harold said he has a few parts and.....

With thanks to all those incriminated.....
'73 Joe, VE4ADJ

-oOo-

I'll entitle this article "How to cope with Woodpeckers on your farm".

It has been more or less learned that the radio-woodpecker comes from Russian low-level radar which operates in the amateur bands.

Ham operators have begun taping the sound of these woodpeckers and then turn their antennas toward Russia. Along with about 1000 watts of power Amateurs have been playing this punchy disco beat back to the source. Apparently about 5 seconds of this noise is enough to disturb the radar's echo capability and scramble the device. As an added notation U.S. defensive radar does not operate within the amateur band.

-oOo-

"There are people who say I have never really done anything wrong in my life; of course, they only say it behind my back."

-Oscar Wilde

-oOo-

The CRRL has produced a free handout to promote Amateur Radio in lieu of the International Year of the Disabled. It is a reprint of the 1978 QST article; "A Different Kind of Courage", along with information on how handicapped persons in Canada can obtain an amateur license. Write to the CRRL for your free copy.

-oOo-

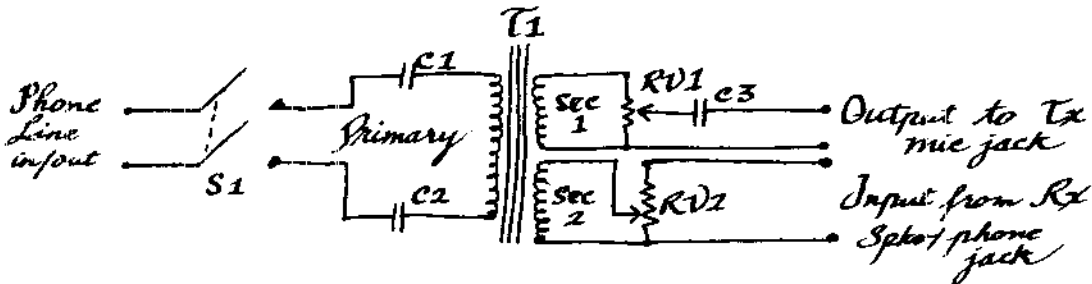
If you want other amateurs to know what you are doing for Amateur Radio or if you want to impress your wife or girlfriend send an interesting historical, technical, amusing anecdote or some other form of communication into the MANAM for publication. As you know we'll accept just about anything of credibility. Send all correspondence to me; Joe, VE4ADJ. And please, DON'T FORGET ABOUT THE DEADLINE: NOVEMBER TWENTIETH.

TECH WIVES

The following technical advice is offered via ZERO BEAT, the Bulletin of the Victoria Short Wave Club Inc., Founded 1929. This article was in the May, 1981 issue. They do give credit to KEY KLIX, as their original source.

The accompanying diagram is a very simple phone patch that is apparently very reliable as it has been used for a number of years by Ian, VE6CEE. It is a good way to use one of your old power transformers not in use any longer.

Don't forget to shield the audio lead after RV1 going out to the TX mic jack.



C1,2 - 2mF, 100 Volt caps.
 C3 - .01 mF 100 Volt caps.
 RV1 - 100 K pot.

RV2 - 8-25 2 Watt pot.
 S1 - DPDT switch (on/off)
 T1 - Any old power transformer:
 Pri - 115 v.a.c.
 Sec 1 - 100 to 300 v.a.c.
 Sec 2 - 6.3 or 12.6 v.a.c.

-o0o-

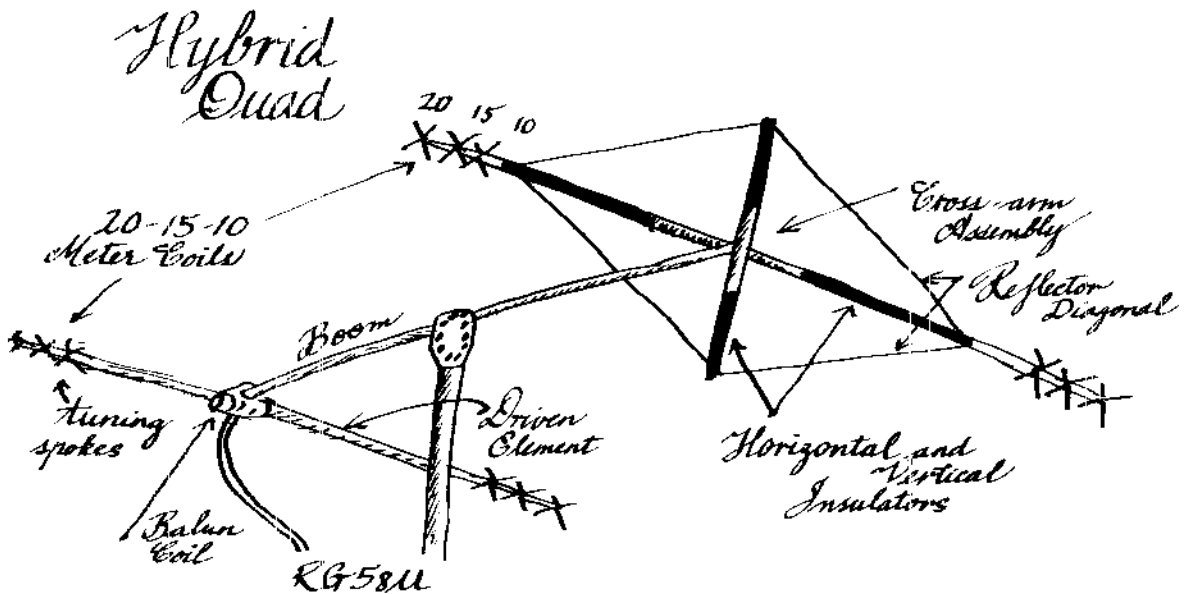
THOSE WONDERFUL HANDHELDS by W7LG, as apographed from ZERO BEAT.

It goes without saying that we hams have a love affair with the HH transceiver. If you are considering the purchase of an HH as opposed to the "classic" 10 watt rig, consider this. Do you live more than ten or fifteen miles from the repeater which you would primarily use? Are you out of a true line of sight from this repeater? Are you planning to use the "rubber duckie" antenna? (it is probably less than half as good as a quarter wavelength ground plane) If your answer is YES to all of the above your buddies on the repeater will be putting up with white noise and drop-outs as you move around. We could go - consider: You may have a watt or two into the antenna. Your antenna is usually near ground level, maybe 10 ft. up to be generous. Your antenna is half as good as a 1/4 wave. Already you are more than 20 Db down from his signal even if your HH is connected to a GP. (the other guy typically could be mobile with 10 watts output into a 1/4 wave) If you happen to tilt your rig from true vertical you can lose as much as 6 Db more because the repeater antenna is polarized vertically. Then there is the HH user that wonders why he cannot hear the repeater full quieting. The repeater probably puts out at least 10 watts and has a 6 to 8 Db gain antenna, there is that 20 Db again.

Handhelds can be a lot of fun, just ask Harold, VE4AAF and maybe he could even convince Mac, VE4TE to buy one too!

-o0o-

If a cluttered desk is the sign of a cluttered mind, what is the significance of a clean desk?



The above antenna was sent some time ago to me from Malcolm, VE4QST, it was sent to him by, and please correct me if I'm wrong Malcolm, VE7DYJ.

The resonant frequency may be raised by 100 KHz by cutting 1/2 inch off one spoke on each coil of the frequency you wish to change.

-oOo-

The following article: The Fuse, is credited to The Canadian Amateur Radio magazine.

Often neglected, often abused, often forgotten, the fuse plays an important part in protecting your equipment.

The first fuses were pieces of copper wire and came into being in the 1570-1880 years. In the 1890's Edison was the first to enclose a fuse wire in glass. By 1904 standards were set up by the Underwriters Labs.

The automotive fuse came into being with the development of the motor car in 1914. These were followed by fuses for the new electronics industry in 1927.

The common glass fuse known as "JAG" means "automotive glass". It was the third size put on the market. The current value stamped on the fuse is its nominal value, meaning that this is the value it can be loaded to based on a controlled set of conditions.

The nominal value is affected by the conditions it works under such as enclosure, temperature, size of wire in the circuit and contact pressure. To take into account these conditions, a fuse is loaded to not more than 75% of its nominal rating. In practise 50% is normally used.

Voltage is only important if the energy level in the circuit is high enough to produce an arc, that is a primary circuit where current is available to flow across the gap of the blown fuse under "dead short" conditions. Very few circuits have these conditions. For instance, fusing a 120 volt AC line provides the current to jump across a blown fuse, but not enough voltage is present to make the current flow over the gap. Secondary circuits have high voltage but low current and limiting caused by the load. It is safer, however, to use a fuse that is equal to or greater than the voltage in the circuit. Fuses tend to blow a gap in the center of the fuse element because the end supports act as a heat sink, hence the danger of a small gap.

-oOo-

Editors Comments

The A.R.L.M. is having their yearly meeting on October 4, 1961 and we hope to see all members of the executive and all interested parties at the meeting. It will be in Neepawa.

I must offer congratulations to all who have sent in information to the MANAM. I believe that this shows that interest in the A.R.L.M. and the MANAM is definitely on the rise. We need more members, if every member invited another Amateur to join the A.R.L.M. we would double our membership. (it only stands to reason) In order to increase membership and increase the coffers and increase the articles in the MANAM we must, both as a group and as individuals, put on a membership drive. In effect, we must advertise ourselves and how we are contributing to Amateur Radio in Manitoba and in Canada. (the rest of the world will have to fend for themselves)

As I have always said; the the most important news that a club magazine can publish is LOCAL NEWS, If we included too many "other people's" articles in the MANAM, I feel that we would eventually become an "other people's" magazine. If, however, we judge from this and previous issues, their is certainly no danger of that ever happening. Keep those cards and letters coming in!

I feel that the Amateur population of Manitoba have the brains and knowhow to effect progressive Amateur Radio and we must continue to give the A.R.L.M. and the MANAM along with other local clubs a greater sense of achievement and a breath of innovation.

I have always expressed a desire to listen to your comments and/or criticisms but be prepared to receive some feedback. We each have a right to state our case and a right to our own opinion. We each also have a responsibility to listen to each others conversation and to abide by the majority.

I would personally like to thank those who have assisted in the production of the MANAM and again, especially those who have given of themselves for without this give (and take) we would all become stagnant and satisfied.

You will notice in this issue that we did not run the usual article on "Interference". This was mainly due to space and to my lack of knowledge and information. If any of YOU have further interests in interference or have articles of this nature we would be glad to publish them. As it stands, there will be no further "Interference" information unless I can get some information.

GOOD LUCK, in your new writing careers.



" The biggest gap in the world is the gap between the justice of the cause and the motives of the people pushing it. "

- John P. Grier.

EXECUTIVE:


President; Noel Funge, VE4CF, 30 Mackie Bay, Winnipeg. R2Y 1V7
Secretary/ Len Herrington, VE4QL, 42 Nolana St, Winnipeg. R2V 3B7
Treasurer

DIRECTORS:

Eastern; Noel Funge, VE4CF, 30 Mackie Bay, Winnipeg. R2Y 1V7
Eastern; Tom Mills, VE4SE, 770 McDermot Ave, Winnipeg. R3E OT5
Eastern; Harold Fehr, VE4AAF, Box 17, Langruth. ROH ONO
Eastern; Dale Johnson, VE4AED, 24 Dufferin Ave, Box400, Pinawa, ROI 1L0
Western;
Western;
Northern; Jim Prentice, VE4JI, 1021 Cathedral Ave, The Pas, R9A 1G6
Northern; John Brychka, VE4ADX, 417 River Ave E, Dauphin. R7N OH9

COMMITTEES:

Publications; Joe Thordarson, VE4ADJ, 1847 Gigot Ave, Portage La
(Editor) Prairie. R1N 3G3
Licence Plates; Tom Mills, VE4SE, 770 McDermot Ave, Winnipeg. R3E OT5
QSL Bureau; Chris Attwood, VE4NE, 17 - 8th Ave SW, Dauphin, R7N 1X3

From ARLM. Box 475, Winnipeg, Manitoba, R3C 2J3	To Amateur Radio Station	
R.Holder, VE4QK, 725 Oak Avenue, Beausejour, MB, ROE 0C0		

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