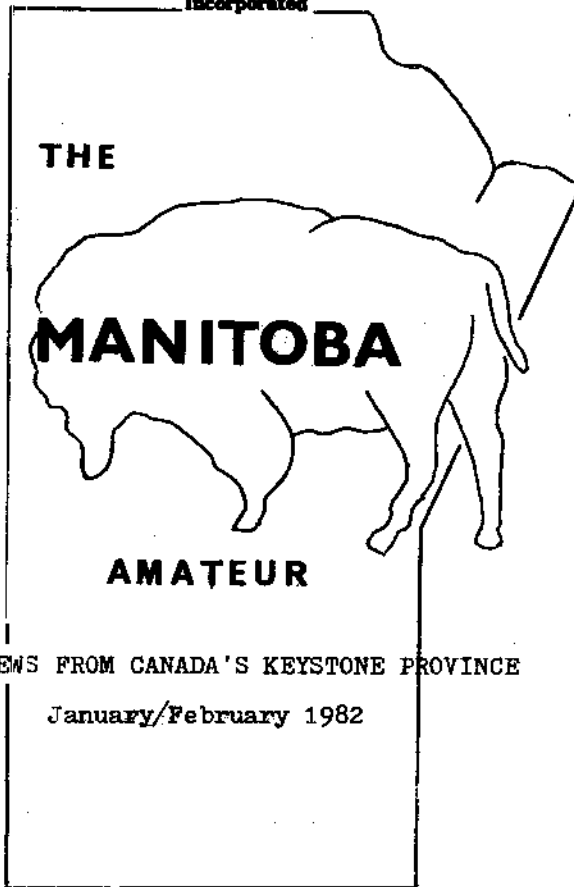


# Amateur Radio League of Manitoba



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 Members:

The recent ARLM membership campaign, which was spearheaded by a special issue of the MANAM distributed to almost all Manitoba amateurs, has yielded a smaller increase in membership than was anticipated.

While the increase has been significant, from last year's figure of 164 members to approximately 240 at present, it has also been disappointing. Manitoba has an amateur population of approximately 900. The response that we have received clearly indicates that VE4s are, as a provincial group at least, unwilling to underwrite a province-wide publication. In order to continue to publish the MANAM, we either need 300 - 400 members, or a massive increase in subscription rates to balance the budget. The recent postal rate increase together with steeply rising production and printing costs make our present \$4.00 subscription a joke!

At our present rate, the 1982 income will be approximately \$1000 - 1100 including a successful auction. Printing costs of MANAM alone will almost double that figure. Something has to give.

In an effort to reduce operating costs, I have consulted the Board of Directors, and have agreed to join the President of the Winnipeg Amateur Radio Club (WARC) in the publication of a VE4 Callbook as a joint WARC - ARLM effort. I am indebted to the initiative of Keith, VE4AKL for this outstanding proposal.

Nominations for all Board of Director positions are due 1 Mar 82. Consult the back page of MANAM for the present incumbents. All positions are open for re-election according to the constitution, and this includes the two positions to which Jim, VE4AGS, and Don, VE4ACA were recently appointed. In addition, Tom, VE4SE has indicated that he is prepared to relinquish his position as Eastern Director to allow another member to step in from that region. Tom, of course, will still continue to support us in his capacity as Licence Plate Chairman.

This must serve as my last President's message. I am forced to resign because other personal commitments make it impossible for me to devote sufficient time to this position to carry its duties out effectively. I regret that during the almost four years of my tenure of office that I have been able to reverse the trend towards declining membership to a significant enough degree. Perhaps your next president will be able to lead ARLM to the position I feel it deserves.

73,

  
Noel VE4CF

# Portage Perusal

This regular feature from Portage la Prairie is the usual starting point for the popular MANITOBA MODULATIONS. It has and is submitted by Peter, VE4AEZ.

Hi Hams! Since our last issue, no doubt large numbers of turkeys have made the supreme sacrifice and most New Years' resolutions, if not yet broken, will at least be showing considerable wear and tear around the edges! We hope the white-bearded old gent in the red suit was good to all of you. We hear he left a nice new ICOM 730 in Bud's stocking this Xmas. That will make a F.B. mobile next Spring and in the meantime it's getting VE4AHB out on the bands as Bud learns what all those shiny knobs and buttons are for. If you tune to 28.625 around 23.00 u.t.c. on Mondays you might hear him on with Martin, VE4AU, from Hawaii.

Barbara, VE4XB now has her phone endorsement for 10M and may also be making a few contacts up there when she isn't busy studying for her Advanced. We wish you luck Barbara and feel sure you'll be successful.

Another soon-to-be candidate for her Advanced ticket is VE4ALM, our Junior Y.L. op. Shawna who has also been hitting the books over the holiday season. As a good student and a competent CW operator, we have no doubt she will breeze right through anything the D.C.C. can hand out.

With the Arctic weather that has hit us after our extended Indian summer we don't seem to be having many "eyeball" Q.S.O.'s at the old coffee shop, but we do hear Dave on the nets and have the odd ragchew with him on two meters. We'll depend on VE4AKG to report the Portage weather on those chilly mornings when we don't make it down to the "shack" on time, HI.

Your Editor, Joe, VE4ADJ seems to be pretty busy getting out this F.B. publication, or ist it that were not on the same times and frequencies anyway, Joe depends on the regular efforts of his correspondence to supply him with the items that help him to make our MANAM one of the best Amateur magazines around. We do appreciate your good work Joe!

We haven't heard too much from our forces hams, VE4AKC and VE4AKD but perhaps they are just at that distance where the skip is all wrong! How about that "eyeball" Donald and Murray? or at least a sked on '52.

Peter, VE4AEZ is still pounding brass with the old Cheyenne, but home-brewing a power supply and control console for the Atlas 210 ready to try 'fone when that ticket comes through next month. He and XYL Ella spent Xmas holidays at Grenfell, Saskatchewan with daughter, son-in-law and grand-daughter and enjoyed visiting with Henry, VE5ACA near Glenavon and Jerry VE5DC, Sintaluta, as well as working several other "5"'s through the Grenfell and Moosomin repeaters.

Doug Street, our longtime S.W.L. friend continues to attend ham study classes conducted by Harold, VE4AAF at Langruth and reports that those funny beeps and tweets from WIAW are beginning to shape up into words and sentences. Keep it up Doug, with patience, perseverance and a little soft soap you can even get a square peg into a round hole! Maybe even into one of those holes they say are in that "P" type silicon.

Well, that seems to have covered about all we could glean from the Portage scene this round so we'll wish one and all the best for '82 and say '75.

Peter, VE4AEZ

-oOo-

Maybe you, as A.R.L.M. members did not as yet realize it but we need MORE MEMBERS. That means advertising and telling other amateurs as well as non-amateurs ( we'll take anybody's money, HI HI ) what a good and interesting club the Amateur Radio League of Manitoba is and, of course, what a wonderful magazine they produce. Even though the last issue of the MANAM was the main brunt of our membership drive this issue is also appealing for more members. IMPORTANT: IF YOU RECEIVE A COPY OF THE MANAM WITH "COMPLIMENTARY COPY" STAMPED ON THE FRONT OF IT THAT MEANS THAT YOUR DUES ARE DUE AND THAT IF THEY ARE NOT PAID UP BY THE TIME THE NEXT COPY OF THE MANAM IS SENT YOU WILL NOT RECEIVE THAT COPY.

## Finances by Len, VE4QL

The following financial report for the A.R.L.M. is respectfully submitted by Len, VE4QL Treasurer. Pay close attention as this is where your money goes.

Up to the Board of Directors meeting in October, the financial situation of the A.R.L.M. looked bleak. Membership had dropped to a low of 164, and although dues were increased from \$3.50 to \$4.00 as at 1 January 1981, expenses far outweighed income.

The symposium in May was a disappointment in so far as attendance was concerned, but a donation from the C.A.P.F. helped us to break even financially. Obviously the Amateur population in Winnipeg is unresponsive to such an event.

The auction in November saw an upturn in our membership gain (54 renewals of dues). The change in format met with general approval and our main loss was the loss of income from catering; Alex Henderson, VE4GH, not being available.

The publicity campaign of December - at a cost of \$100.00 approx. resulted in 15 new members, and 24 renewals - to 31 December 1981. More are anticipated in the new year.

Obviously if a Callbook is to be published in 1982, together with a serious increase in postage, etc., at 1 April 1982, the annual dues will require a large increase and/or consideration given to a reduction in the number of issues of the MANAM.

In retiring from the position of treasurer, I feel satisfied that, despite my concerns, I leave the financial situation in good shape. It will be up to the Board of Directors to maintain this, in the future, by their wise decisions.

L, Herrington, VE4QL

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### AMATEUR RADIO LEAGUE OF MANITOBA: FINANCIAL STATEMENT. 1981.

<u>INCOME:</u>	1981	1980	
DUES	\$ 730.00	(690.00)	
AUCTION: Tables & Commission ( catering )	122.50	(183.29)	
INTEREST	292.48	(155.57)	
SYMPOSIUM	140.25	(nil)	
MISCELLANEOUS	9.90	( 15.50)	\$1295.13
<u>EXPENDITURE:</u>			
PRINTING: MANAM	\$ 590.81	(273.47)	
EDITORS EXPENSES	176.53	( nil )	
POSTAGE & STATIONARY	284.43	(173.34)	
CALL BOOKS ( USA & FOREIGN )	41.90	( 41.90)	
SYMPOSIUM	148.85	( nil )	
MISCELLANEOUS	40.64	( 14.75)	\$1283.16
BALANCE, EXCESS INCOME OVER EXPENDITURES			11.97
<u>BANK SUMMARY</u>			
1 January 1981. opening bank balance			\$2711.09
Add. excess income over expenditures			<u>11.97</u>
			2723.06
Less 1980 cheque cleared 1981			<u>27.90</u>
			2695.16
Correcting balance			<u>.76</u>
			2695.92
31 December 1981. closing bank balance			\$2150.69
Savings Account			545.23
Chequing Account			<u>\$2695.92</u>

Amateur  
Radio is fun

## To All Amateurs from Peter, VE4PG

Some time ago I had the pleasure of visiting several of our whitecane hams. It is something we all should do just to appreciate that being handicapped is no excuse for not participating or perhaps not putting up that antenna or even building some of your own gear. The next time you tell yourself you haven't got the time, the space or the knowledge, take a good look first at what others have to overcome before you start feeling sorry for yourself.

There are a number of handicapped amateurs in Manitoba, and not all are blind, but all had to overcome the problems such as theory, CW and the setting up of the station. In Canada, we can sponsor a handicapped person, which makes it easier, but the drive and ability must still be there in order to qualify. Besides the handicapped, we tend to overlook the sponsors who spend many hours teaching CW and theory to the future ham. These sponsors haven't forgotten what amateur radio is all about. I would like nothing better than to list all our handicapped amateurs but I might still miss the odd one, so will stick with the ones best known and most active.

Perhaps the word handicapped, shouldn't apply to these more active on the HF and VHF bands, as they can teach us a few things.

Charlie, VE4LB is one who doesn't think he is any different than anyone else and proves it on the air. As a net control station every week on the morning net as well as the busier evening net, he runs a pretty tight net at all times. To an average ham, this doesn't seem too difficult, until you try running a net yourself, and keep track of all the check-ins, traffic as well as where they all go with the traffic or QSO. Unless you have a memory like a computer, you might not hack it.

Charlie was, or is still sponsored by Alton, VE4BD and with his help, the theory and CW became a reality in 1974. His HF gear is on loan from CNIB from Toronto, namely a HW12 and a HW32. The Brandon Radio Club donated an IC22A for VHF and the setting up of antenna's was done by the Turtle Mountain Radio Club. The two most helpful were Bob, VE4RO and VE4BD. Perhaps the only handicap, as far as Charlie is concerned is that he is very limited to frequencies on the 75 meter band. He would love to check in to the CW net. His other activities and hobby is recording folksong music and he has a regular program on a Winnipeg FM radio station where he is a disc jockey. You have to see it to believe it. His efficiency on the nets is the envy of those who know what it takes to be a net control.

Being a net control on a phone net or a CW net is a big difference. First you have to be pretty good at CW, secondly your ability to direct a lot of stations to a different frequency with their traffic, and do it without losing track of the stations, traffic and frequencies. On a busy CW net, this can be hair raising even with someone without a handicap.

Without question, Walt, VE4ALX has to qualify as being unique. Not only is he active on the CW net, but also goes to a higher liaison net, such as the Tenth Region Net.

Walt got his first novice license in 1959 with the call of WA2FVR. He moved to Canada in 1967 and had the call VE3ERX before moving to Manitoba, and his present call.

Pete's effort will be continued next page.....

DEADLINE NEXT ISSUE IS MARCH TWENTIETH and who knows what it will contain !!!!!!!!!!!!!!! I'd personally like to thank Pete, Max and the other CW net control stations for putting up with my numerous mistakes on check-ins on the CW net at 0030 U.T.C. Your efforts and assistance are greatly appreciated.....Joe, VE4ADJ.

Pete's effort continuing.....

In the USA there is no such thing as a sponsor so he had to get his novice and general the hard way. He now resides in Rosssburn and is a minister for the United Church.

To those that know him, all claim Walt does not ask for special treatment, and whenever possible, and even at times what we would consider impossible, he sets up all the gear himself. Operating fully modern gear, he works all the bands, and on nets tunes up his frequencies with a tuning fork. Possibly one of the best CW men on the Manitoba net, his even spacing and speed is the envy of many.

Although I have only mentioned our most active blind amateurs, we have other handicapped amateurs who are as well fulfilling many services.

I think we can be more thankful, or at least show more appreciation to these handicapped, and at least learn something from them. Are we utilizing all our gifted potential for the good of all the amateurs as well as public service, or are we apt to criticize others and nets without sharing our own special abilities. Surely there must be some time left over to help those that are overloaded.

Sincerely

Peter Guenther SCM MB  
VE4FG

-oOo-

## *A short BK from other sources*

The following tidbytes have arrived and were lifted from ZERO BEAT VE7EZ, The Victoria Short Wave Club, the November, 1981 issue.

The following short take is called a quick "gowan - scat" for AM BC Interference.

When your HF is climbing into an AM radio via the power line, try the following filter: Ten turns to two turns per inch on a paper towel roll core of AC extension cord. Bypass capacitors used were Cornell Dubillier #CBBS2 filter plugged into AC outlet. Short ground wire goes to low impedance point such as baseboard heating pipe. Placing the radio on a metal cookie sheet may eliminate direct pick-up and the AC filter will finish the job. Roger Graves, WITZ/VE7, Victoria, B.C.

Heard on "Live from Saturn": that the Goldstone tracking antenna is able to scoop up one BILLIONTH of one MILLIONTH of ONE watt, from Voyager 2. This makes your average antenna farm with the 90 and 100 foot towers look mighty ill.

The following short BK is from the same magazine and is entitled: Biological Effects of R.F.

For some time there have been reports and rumours about possible harmful effects of UHF on the health of people working close to equipment for long periods of time. But the biological effects of RF may not be all bad as was recently learned from a medical scientist at Queen's University in Kingston, ON. Dr. C. Romero-Sierra has been studying the effects of VHF ( 27 Mhz ) radiation on the healing time of skin wounds in animals. In studies extending over seven years so far, he has applied the field between two plate-electrodes held one-half centimeter from the wound within twelve hours of the time the wound was made. After only 24 hours, the wound healing process was one to two days more advanced than in the controls ( no RF ). Unfortunately, in the papers no mention of the strength of the field was made. But, who knows, maybe CB really does have something going for it...and maybe 10 meter buffs operating close to unshielded rigs might be more unblemished than they thought, HI.

Don, VE7AKU

-oOo-

DOC dates for Amateur examinations in 1982 are: February 10, April 21, June 16, October 20. The corresponding closing dates for applications are: January 13, March 24, May 19, September 22.

# CARF News

*with a Manitoba Bent*

*VE4MG  
Malcolm*

While many people remain unhappy with the federal budget, amateurs remain happy about the part that refers to them. The 1980 budget permitted duty-free entry to certain equipment designed only for use of the amateur bands. What about equipment with WWV and the new but not yet legal amateur bands? These, it appeared were subject to duty. Substituting the word "primarily" for "only" ended that problem. Duty free equipment now are defined as; transmitters, receivers, transceivers, and transverters, assembled or in kit form which are primarily for amateur use. Also included are linear amplifiers, VFO's, oscillators and power supplies designed for use with this equipment. For use in dealing with customs officers remember the amended tariff item is 44534-2.

Congratulations to Bill, VE4AFO who reported a successful QSO from Selkirk to Winnipeg on 1296 Mhz.

The DOC has their regional mobile monitoring station stolen in Winnipeg from the mobile home type vehicle it was housed in. The mobile home type vehicle was recovered, but all of the precision equipment used to monitor TV stations had been carefully removed. Loss in the theft amounted to \$200,000. It is no doubt having an affect on DOC's ability to monitor interference problems on the prairies.

Canada should shortly join Australia, West Germany, the British Isles and some African countries in opening the 10.1 to 10.15 Mhz bands. In looking over VE4AMY's new TS-130, I have noticed the new gear comes complete with these new bands. DOC hopes to give the OK by the end of February for this band.

If the U.S. congress passes RFI standards for home electronic equipment, get ready. Your neighbours will be buying some of the inferior equipment being dumped in Canada. A lack of resources in DOC and the Canadian Standards Association plus a shortage of the necessary expertise in Canada is holding up the drafting of standards and legislation according to a report to the recent annual meeting of the Canadian Radio Technical Planning Board of which CARF is a sponsoring member.

'73

Malcolm, VE4MG

-oOo-

The following contains C.A.R.F. News of interest to all Manitoba and other amateurs. It was found in the CARF Radio News, the December issue.

Although commercial communications with Poland were cut off, amateur radio operators picked up some news from stations which appear to be coming from inside Poland, using the amateur bands. Early in the military crackdown a Swedish operator claimed to have established a short-lived channel with a Polish station and early in December the CBC National News featured VE3KHT, Herb Thomas of Ottawa, who monitored and taped a broadcast account of conditions given by what appeared to be a Polish commercial station or Amateur station. The SSB signal was very strong on twenty meters. The station, which was probably operating clandestinely, was aware that its message would always be heard on the Amateur bands. Although several stations queried it, there was, not unexpectedly, no reply.

The 1982 CARF National Amateur Symposium will be held in the Toronto Metro area. It will be hosted by the Scarboro Amateur Radio Club, probably in May.

-oOo-

The following REPORT OF THE MANITOBA C.R.P.L. EVENING PHONE NET for DECEMBER 1981, has been submitted by Bill, VE4CP whose efforts are appreciated.

Number of Sessions .....	31			
QNT Total Check - ins .....	1148			
QTC Formal Traffic During Net .....	75			
QTC Formal Traffic by the Individual Stations .....	1169 ( TOTAL )			
VE4PG 624	VE4ACE 31	VE4CP 16	VE4LE 11	VE4EN 4
VE4ACX 120	VE4AAL 22	VE4ID 15	VE4HK 8	VE4GW 4
VE4RO 108	VE4ACS 22	VE4NM 14	VE4QI 8	VE4XN 4
VE4FK 41	VE4JA 21	VE4TL 14	VE4AA7 7	VE4ADJ 2
VE4EE 33	VE4AAD 20	VE4YE 12	VE4LU 7	VE4OE 1

Propagation was fairly good with two or three nights being very poor. Check-ins remained approximately the same as November with traffic increasing by 14%.

Congratulations to Peter, VE4PG and Max VE4ACX and Rob, VE4RO for handling a good portion of the traffic.

Chris, VE4NE has been undergoing medical treatment in Winnipeg but has now returned home to Dauphin. Joe, VE4JF checked into the net recently after returning home from Brandon Hospital. Jim, VE4IF, we understand, is convalescing following hospital treatment at Pinawa.

Happy New Year to all.

Bill, VE4CP, Secretary.

-o0o-

All Board of Director positions are open for nominations which must be received in writing by 1 March 1982.

Nominations must also be signed by the nominee to confirm his acceptance.

Noel Funge, VE4CF, will be resigning as President but is standing for re-election as a Director.

Len Herrington, VE4QL, has resigned as Treasurer, and the Board will be looking for appointees to fill this and the secretary's position.

I do not want to sound redundant but we will be needing new members who will hopefully, provide some input into the MANAM. This issue has been a little sparse due to the effects of Christmas and New Year's celebrations but the next issue of the MANAM will, in all likelihood, be full of interesting information. That is not saying that this issue is not full of interesting information, don't get me wrong. I do not mean to editorialize before my time so I will save my serious comments for the Editor's page.....Joe, VE4ADJ, Editor, MANAM.

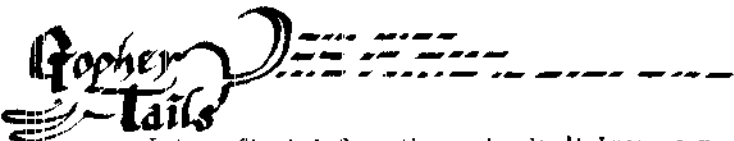
-o0o-

Francis A Cartier once said that: " There is only one way in which a person acquires a new idea: by the combination or association of two or more ideas he already has into a new juxtaposition in such a manner as to discover a relationship among them of which he was not previously aware. "

DEADLINE NEXT ISSUE: MARCH TWENTIETH 1982.

*consistency should not mean routine*





Let me first inform those who don't know, our area consists of Gopher Creek and the Birdtail Creek. So a reasonable compromise is Gopher-Tails. We want to be associated with the famous gophers who put up quite a squeak on field day and of course the Birdtail help, annoying serious gophers. Five hams live on the banks of the beautiful Birdtail Creek and the rest of the gophers are scattered, as gophers will, to the wide open prairies of Manitoba and Saskatchewan.

LOCAL NEWS: Our sympathy goes to Walt, VE4ALX whose father passed away. Also to George, VE4AAU, whose mother passed away.

Adam, VE4AHV took a vacation to Toronto during the holiday break and reported the CN tower would be ideal for a ham antenna. I still QRM VE4AAU because the CW Net is so busy with gopher chatter, it's hard to stop by the time phone net starts. Hopefully George, VE4AAU will have the new FT 107 operational and we can compromise. We hear a lot of squeaks from gopher VE5QM, Roland who feels the winters are too cold and so is going South for a few weeks. Head Gopher, VE4IX is already recruiting for the next field day. For qualification to be a gopher, please contact Arnold, VE4IX, he will screen you for eligibility. Technical Head Gopher, VE4HA still can't figure out why his 15 meter beam antenna will not work. I sure hope he can find the gremlin.

As for myself, I still try to work the super gophers like VE4YE, VE4ED at his 40 w.p.m. and also our new gophers at less than 10 w.p.m. It makes it fun, but contributes to a lot of mistakes on my part. So any prospective gopher, check in to the MTN and I will work you through the paces to become a true gopher and a traffic handler. Each station checking in will get at least one piece of formal traffic, acknowledging that he did check in.

Enough Gopher-Tails. '73  
Max, VE4ACX

-oOo-

Here is the M.T.N. REPORT FOR DECEMBER which is supplied by Max, VE4ACX.

Sessions.....31.  
QNS.....289.  
QTC.....170 .  
Average QNS.....9.3 minutes.  
Average QTC.....5.4 minutes.  
Total time.....819 minutes.  
Average time.....26.4 minutes.  
Standard deviation.....8 minutes.

Individual stations checking in will get a piece of formal traffic to indicate their QNI ratio.

I thank all stations for checking in - keep up the good work.  
C U on net - 73

Max, VE4ACX  
Net Manager.

-oOo-

If anyone is interested in a schematic for a VHF RTTY modulator-Demodulator (MODEM) Send an S.A.S.E. along with one thin dime ( for copy costs ) to me Joe, VE4ADJ and I will send you a bonified reprint of the schematic. Cf course if you Manhams don't think you can handle a project like this don't bother to send me a letter, just send money. HI HI

# NEP News

The following information has been supplied by Harold, VE4AAF of Langruth fame.

Congratulations to Bob Hobbs, VE4AMY from Fiding Mountain for obtaining his Amateur license. Bob has a new TS 130 and will be operating on several bands soon. Bob is an early graduate of the Langruth ham class. VE4AAF's ham class is back in action after the Christmas BK. All those who started are still attending with hopes of writing DOC examinations in the Spring.

Malcolm, VE4MG enjoyed operating in the Canada Contest as VE4QST; quite an attention-getter. Malcolm and family spent Christmas holidays with Ted, VE4TT and Bubbles, VE4ST.

Jack, VE4AJE suffered an accident at home but is recuperating well and has more time to spend on ham radio. Jack is very busy on 40 and 75 meters with the nets. He really enjoys handling traffic and also has been heard doing phone patches on 20 meters.

Joe, VE4ADJ has been doing a lot of CW work on 20 meters and enjoys checking into the CW net at 0030 u.t.c. The G5RV is working well and manages to receive fine r s t's on 20 meters.

Mac, VE4ME is looking for more snow so that he can enjoy the use of his snowblower. Maybe in the Spring we can look for Mac "moped-mobile". Mac is active as usual, on all the bands from 2 to 160 meters.

Jim, VE4ADD enjoys the Aurora net and is one of the net control stations. 40 meters is getting more popular in the NEP area. You can find this net at 2330 and 0230 u.t.c. on 7062 u.s.b. every day. CW check-ins are very welcome.

The NEP repeater now has a net every Monday night at 0130 u.t.c. Anybody who can check-in is welcome.

Guess that's all folks. '73.

Harold, VE4AAF.

-oOo-

If anybody needs a schematic of a variable current trickle charger send me a dime and an SASE and a copy of this circuit will be yours. If anybody needs a list of the Alberta repeaters another dime and another SASE is required. Address all inquiries to Joe, VE4ADJ.

-oOo-

The club was saddened to learn of the death this week of one of the club's most valuable members, Someone Else. Someone Else's passing creates a vacancy that will be difficult to fill. Else has been with the club since it's beginning. Someone did far more than a normal person's share of the work. Whenever there was a job to do, a committee to be chaired, or a meeting to attend, one name was on everybody's list -- "Let Someone Else do it." It was common knowledge that Someone Else was among the largest contributors of his time to the club; whenever there was a need for volunteers, everyone expected too much of Someone Else. Now, Someone Else is gone! We wonder what we are going to do. Someone Else left a wonderful example to follow, but who is going to do the things Someone Else did? When you are asked to help, remember; we can't depend on Someone Else!!!!

This aforewritten bit of waggery was lifted via World Radio via South Pickering Sparc Cap via the Hamilton Amateur.

EDITORS NOTE: WHAT I ASK IS ? IS SOMEONE ELSE REALLY DEAD????

The only way to prove that maybe he is alive and living, or is it dead and gone, whatever we still need more members. We also need more features and articles. The regular contributors such as Charlie, VE4LB and Malcolm, VE4MG and Pete, VE4PG and Peter, VE4AEZ and Dale, VE4AED and Jim, VE4FK and Dave, VE4JN and Bill, VE4AFO and Harold, VE4AAF and Lu, VE4LS and Max, VE4ACK and Len, VE4QL and Noel, VE4CF plus a few others which I probably forgot to mention, and to whom I appologize to, are the people who we the APLM membership owe a debt to for keeping this magazine interesting and informative. Inject your own thoughts send me an opinion, a comment, a criticism, or a bouquet. Send to Joe, VE4ADJ.

# Puzzling Propagations

The following Word Search Puzzle was sent in by Bill Bowman, VE4AFO. It is entitled: Towns in the Net. and refers to the towns in the MERN/CRRL net.

Find these hidden words in the puzzle below. They may read right, left, up, down or diagonally. -- 30 words in an 25 by 25 puzzle. --

G.K.U.F.B.V.L.O.D.K.T.G.T.I.M.O.H.H.Q.E.A.A.D.V.D  
 L.P.P.C.E.A.I.V.W.C.V.A.Y.J.T.E.T.L.M.J.N.T.C.J.M  
 Q.P.C.I.P.U.K.F.E.N.E.A.W.A.N.I.P.D.U.O.O.X.H.Q.Q  
 A.W.Z.I.K.O.F.I.D.Q.R.T.T.J.R.H.O.A.T.G.R.N.T.B.J  
 F.F.O.L.X.L.M.J.L.E.U.S.V.M.N.O.E.L.O.U.O.A.O.A.H  
 H.J.S.J.O.P.E.E.Z.L.N.K.O.S.W.U.A.U.D.D.U.I.W.T.T  
 E.M.A.Y.S.D.H.F.S.K.A.D.N.L.Q.C.T.L.N.I.S.A.L.G.M  
 L.Y.F.D.X.E.J.J.X.Y.V.R.E.C.S.I.A.A.A.S.P.A.Z.J.O  
 T.N.W.J.Z.K.R.H.D.S.J.K.N.R.E.B.R.Z.E.E.N.T.C.I.F  
 R.W.F.T.N.H.C.C.N.Q.L.K.H.E.Z.B.O.V.E.G.U.O.E.W.R  
 I.H.K.O.H.O.R.P.F.F.W.D.D.F.R.Y.D.A.N.R.Z.T.B.J.J.I  
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Word has it that Bob, VE4AMY could figure this one out even better than Bill on his TRS-80. If anyone else ( does that name sound familiar ) have any puzzles, jokes, by-lines, opinions, phrenological considerations, meanderings, accoutrements, or just plain unga-dunga ( as long as you remember not to step into it ) send it along for publication.

ALTONA BIRTLE CARMAN DCUGLAS KEEWATIN LANGRUTH MORRIS PORTAGE SANFORD TOGO  
 BALDUR BOISSEVAIN CROMER FLINFLON KELWOOD LASALLE NEEPAWA RIVERCREST  
 SELKIRK VIRDEN BEAUSEJOUR BRANDON DAUPHIN GLADSTONE KILLARNEY MELITA PINAWA  
 POLAND THOMPSON WINNIPEG

-oOo-

The following bit on how to counteract jamming was found in the GROUNDWAVE, the magazine put out by the Ottawa Amateur Radio Club.

1. Don't respond. Even if only one person responds in some way, reinforcement and encouragement are provided to the jammer. Remember that he/she wants attention. You won't hear jamming on unbusy repeaters. No audience, no jamming.
2. Reduce anonymity. Unless he/she has a specific vendetta, jammers usually don't jam people they know. Your repeater club or other local ham group should reach out and encompass all users and active hams. Who knows, you may turn a jammer into a productive ARES member.
3. Support the D.O.C. Letter writing at the national level may get the funding they need to combat interference successfully.
4. Set an example. Put articles in your club newsletter on proper procedure and common courtesy. Make sure your own operating procedure is beyond reproach.

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Just a note to remind our reading audience that the next MANAM expects to be published!!!!!! The size of it depends on the number of articles which are sent in. The DEADLINE for the next issue is MARCH TWENTIETH 1982. Please have your articles in before that date and it will be appreciated. I really enjoy the Manitoba Morning Phone Net. Mac, keep up the good work.

## TECH LINES

The following mini-technical article was originally scheduled to appear in the next to last issue but, due to space limitations it is appearing now.

The article was found in the SPONDWAVE the May, 1981 issue. They lifted it from KB6M, Worldradio.

The most common Nicad fault is a battery that will not take a charge and electrically looks like a short. This will happen after a period of non-usage. The cure is simple. Using a healthy power supply, force enough current through the battery to bring the terminal voltage up to 1.5 volts. You may have to force as much as ten times the normal charging current. As the battery begins to take a charge, you will see the current start to go down as the battery voltage rises. This process usually takes about ten seconds. When the voltage reaches 1.5 volts, charge as per the manufacturer's specs the battery is ready to use.

Another typical problem is a cell that won't accept a charge and looks like an open cell. The cure for this ( sometimes ) is to charge in the reverse direction for about five minutes at no more than 100 MA. After this, try to charge the cell as normal, if it still won't take a charge, use as a paperweight, coil-winding form or circle drawing aid.

How about a battery pack that won't take a charge or will not charge up to the proper voltage? Regardless of the pack voltage, it is made up of individual cells that are rated at 1.25 volts each. What happens is that one or more of the cells becomes discharged more than the rest. When charging is attempted, the low cell or cells are reverse charged with respect to all of the other cells. This makes the entire pack look bad. The solution is simple:

1. Use a sharp knife and cut off the jacket from the battery pack to expose the individual cells. Do not cut the wire straps that interconnect the cells.
2. Measure the voltage of each cell. You will find one or more cells lower than the rest.
3. Discharge all of the good cells one at a time with a one Ohm resistor until each of the good cells' voltage drops to 0.9 volts.
4. Charge all of the cells one at a time at 50 MA for one hour.
5. Tape the cell pack back together with masking tape or electricians tape. Charge battery pack per manufacturer's instructions on the battery pack. Normal charge is ten percent of the discharge current per hour rate printed on the battery for 16 hours.

You can charge any Nicad with a constant current p.s. for four hours at 3.5 times normal charge rate. Normal rates: AA = 50 MA, C = 100 MA, D = 100 MA.

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We have had several inquiries regarding the article on the J-antenna which was offered in the September/October issue of the MANAM. Harold, VE4AAF has one and he says that from Winkler he can break four repeaters; VE4MAN, VE4HS, Letelier and Altona. That article is still available for forty cents and an SASE payable to me, VE4ADJ, if anyone still is interested in making one or having one ready-made by Ian Burn, VE6OB from Edmonton. It only takes a week to get one if you sent away for it.

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Well, I still haven't heard anything more on the proposed MANAM/ARLM CONTEST. What CONTEST you say??????? Why the one we proposed a couple of issues ago. Perhaps you should look back at a few previous issues to find the proposal and to think about what kind of contest we should have. Send any suggestions or proposals along with any contest rules etc to me ( VE4ADJ ) and we'll make a stab at publishing it. As Charles Towne said: " The race advances only by the extra achievements of the individual. YOU are the individual. "

# CRRL NEWS

The following CRRL News has been gleaned from their most recent newsletter; November and December, 1981.

Bill Skidmore, VE3AUI reports that DOC is responding favourably to the efforts of his CRRL - IARU Intruder Watch group. Bill is still looking for additional Intruder-Watchers from every part of VE land.

This group listens for non-amateur stations operating in our bands, in violation of international regulations. They report such operations to DOC monitoring stations for verification and on to DOC Ottawa for action. This group meets on the air every Tuesday at 0130 u.t.c. on 14.145 Mhz. Amateurs interested in Intruder Watch are invited to check in.

What do they listen for? Here are some recent catches: Japanese commercial stations on 3.6 and 3.6225 Mhz; Albanian and Chinese broadcast stations on 7.04 and 7.08 Mhz; and Vietnamese and Russian military stations on 14.08 and 21.033 Mhz. All are operating in violation of international agreements on our amateur bands.

Many amateurs put conductive grease on joints between the telescoping sections of yagi antennas. W3AU reports that some such greases are more conductive than others. Certain products produce high-resistance joints-and a poor antenna performance. What to use? He recommends Dow Corning Molycote 41. Check your yellow pages if you are seeking any further information.

The CRRL net meets each Sunday at 2230 u.t.c. on 14.13 Mhz. Check-ins??????

This year is the eightieth anniversary of Marconi's first trans-Atlantic transmission, sent from Polduh in Cornwall, England to Signal Hill in Saint John's Newfoundland, in December, 1901. ( actually 1981 was the anniversary so we are a little late in the relay- Editor ) On October 29, Marconi's daughter, Mrs. Gioia Marconi Braga, visited Saint John's while local amateurs re-enacted Marconi's historic achievement. Clarence Mitchell, VO1AW operated VO3MEA ( Marconi's Eightieth Anniversary ) and received the letter " S " from GB4MEA in Cornwall, England. Mrs. Braga, who had just delivered a lecture to the Association of Professional Engineers of Newfoundland, listened in on a receiver in the lecture hall.

Need publicity for your hamfest or amateur radio fleamarket? You can be listed in QST's " Hamfest Calender " for free. Here are the rules. Your event will be listed only once. You may choose the month in which your listing will appear. Information must be received before the 15th of the second month before publication. This gives about ten weeks lead time. Send your information to: Marge Tenney, W31FSN, ARRL Headquarters, 225 Main St., Newington, Connecticut. 06111.

-oOo-

Just reading back in a few past issues of the MANAM I came across a promise I made to include a questionnaire in a future issue of this magazine. In case any of you have better memories than I do, which is very highly likely, I will make up this questionnaire as a feature article in the next issue or the issue thereafter depending upon space available. Space available translates into how many articles are sent in by other Manitoba Amateurs. Joe, VE4ADJ, Editor.

DEADLINE FOR THE NEXT ISSUE IS MARCH TWENTIETH 1982. Please have your copy into me a few days before the deadline it sure would be appreciated. If you can send us some interesting technical articles that were published many years ago or that you have used or are about to use the amateur populace would appreciate any little bit which could increase their knowledge of amateur radio.

REMEMBER: DUES ARE DUE. IF YOU GET A "COMPLIMENTARY COPY" OF THE MANAM YOUR DUES ARE DUE. According to Noel, VE4CF, we have to date about 250 members. Our campaign to bring in memberships was a success. With all these new members we should be able to fill the MANAM with " homegrown " articles.

## *Tidbits from Other Sources*

The following was lifted from HI-Q, the bulletin of the Lakehead Amateur Radio Club.

Fast Scan Amateur Television is transmitted by one Amateur to others on an Amateur band. Transmission is point to point, DX is considered 15 to 100 miles. Generally speaking Amateurs should be able to send and receive snow free TV anywhere in a city with a 10 watt transmitter and a UHF antenna a minimum of 40 feet in the air. Foliage really absorbs 400 Mhz RF.

What is needed is a Camera, black and white or color; ATV transmitter converter; a mic; a VCR ( video cassette recorder optional ); coax ( Belden 8214 ); antenna ( J beam 48 element, 16 Db gain, a fairly good antenna ); TV set ( portables are the best, CAUTION: not a hot chassis, and usually good receive qualities ); a two meter rig ( 146.430 Mhz Simplex, to talk in your picture to who ever is transmitting to you, on the sound sub-carrier ); ATV Down converters are available which will cover 434 to 450 Mhz, all you do is attach it between your UHF antenna and TV set turn the TV to channel 3 and you can see the activity.

Coax attenuation: Belden RG213 4.7 Db loss per 100 feet at 400 Mhz.  
Belden 8214 3.7 Db loss per 100 feet at 400 Mhz.

Hardline should be used for lengths over 75 feet. I checked three pieces of one-half inch coax and got the following results: the center conductor thickness ( all have seven strands ), Radio Shack RG58U was 3000 thousandths thick. Belden RG213 was 5000 thick and the Belden 8214 was 11000 thick. Insulation, the RG58U has white foam, the Belden RG213 has a clear plastic type of material and the 8214 has white foam. Shielding, the RS RG58U, the weaves are far apart and the material is thin strand copper, foam can easily be seen between the weaves, the RG213, the weaves are quite close together and it has more strands per weave its almost impossible to see the insulation, the Belden 8214 has the closest weaves and the same number of strands as the RG213 and you can't see the insulation underneath. Suggest you use RG58U is good for HF in short lengths, the RG213 HF up to 100 feet, VHF short lengths and the Belden 8214 HF, VHF up to 100 feet, UHF up to 75 feet.

This report was submitted by L. Pearson, VE3KRS. If anymore information is required I suggest you contact the Lakehead Amateur Radio Club, Box 2571, Thunder Bay ' P ' Ontario. P7B 5G1 (Ed's note )

I realize that some amateurs in Manitoba have tried or are using slow scan TV but how about fast scan? This could be a very interesting concept.

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A lot of ManHams are interested or are using computers, here is an amusing article I found in the Hamilton Amateur.

### THE LARC LAWS OF COMPUTERS.

1. Microprocessors were invented by Murphy.
2. Logic is a systematic method of confidently reaching a wrong conclusion.
3. If the programme works and is useful, it will have to be changed.
4. Systems designed to be efficient are hell for the user.
5. Every programme expands to fill all available storage.
6. Programme complexity grows until it exceeds the capability of its programmer.

DON'T FORGET THAT THE DEADLINE FOR THE NEXT ISSUE OF THE MANAM IS MARCH TWENTIETH AND THAT IF ANY OF YOU AMATEURS RECEIVES THIS COPY MARKED " COMPLIMENTARY " YOUR DUES ARE DUE.

"Critics are like eunuchs in a harem: they know how it's done, they've seen it done every day, but they're unable to do it themselves." Brendan Behan.

# Editorial Commentary

I'm entitling this editorial "A Look To The Future".

I would like to quote from a letter by John Gowron, VE4ADS: "I feel that the A.R.L.M. should become a provincial board representing all the clubs of Manitoba. The Board of Directors made up of one representative from each club in the province."

With the considerable increase in membership due, in part, to our own A.R.L.M. promotional campaign; perhaps now is the time to examine future prospectives of Amateur Radio in Manitoba.

Our membership has increased from 164 just a few short weeks ago to approximately 250 as announced by Noel, VE4CF. This is a significant occurrence within the Amateur Radio community in Manitoba. At least that is my opinion.

Perhaps with this recent upswing in membership we should be looking more to the future of Amateur Radio in Manitoba.

I can foresee all the clubs sending in a representative to the A.R.L.M. with a province-wide input into DOC and CARF. I can see components of CARF and ARRL taking a shared input into DOC and maybe even CRRL and ARRL becoming separate. That is, CRRL and ARRL each going their own ways and becoming a stronger voice in Amateur Radio and with DOC and the federal government.

While I am in this dream-like state perhaps we can see the ARIM becoming the chief negotiator with DOC for Manitoba as will ARLA become the chief negotiator with DOC for Alberta. Etc., ect., etc.

Is this just rambling nonsense? Do any or all of these ideas make you angry?

Every club that forms for a mutual benefit must have an eye to the future. If they only work at the local level then what are they accomplishing? Local clubs are what keeps Amateurs in touch with each other and in touch with the Radio Amateur in general. I feel that a province-wide organization like ARIM must, eventually, look to the future both of the ARIM and the future of all Amateurs in Manitoba.

Do you have any comments to make on the above. Please, feel free to express your ideas or objections. The comments are mine and in no way do they reflect the feelings of any of the executive of the ARIM. Direct all comments to me and dare me to print them.

GOOD LUCK in your new writing careers!

'73

Joe  
VE4ADS

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