
: THE GROUNDWAVE - OFFICIAL BULLETIN OF THE OTTAWA AMATEUR RADIO CLUB - FEBRUARY 1978 :
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DEADLINE FOR COPY for the March issue will be February 11 for articles of length and February 18 for short articles and announcements. Address all correspondence to: Carl Everson, VE3BYX, Box #4, Osgoode, Ontario, KOA 2WO.

THE OTTAWA AMATEUR RADIO CLUB is an association of Radio Amateurs devoted to the promotion of interest in Amateur Radio communications in the Ottawa regional area, and to promote the advancement of the technical competence and achievement of Club members.

THE CAPITAL CITY NET meets every Monday evening at 2000 hours on the Club repeater, VE2CRA (146.34/146.94), to pass traffic and make announcements of interest to Amateurs in the Ottawa regional area. THE SWAP NET, a service of the Ottawa Valley Mobile Radio Club Inc., and conducted by Ed, VE3GX, is also repeated at this time. To list items or make enquiries, call Ed at 733-1721.

THE NEXT REGULAR MEETING of the Ottawa Amateur Radio Club will be held at the National Research Council, 100 Sussex Drive, Ottawa on Wednesday, February 1, 1978 at 2000 hours. The main item on the program will be a talk by Mr. Len Petrie on the Beveridge antenna. See 'The President's Column' on page 5 for further details.

THE OARC EXECUTIVE meeting date has not been definitely set as yet for February.

MAUREEN NEILL, VE3FZY, will visit any Amateur confined to the Civic Hospital. Call her at 725-4581 (233-9941 after 5:30) if you know of anyone who would like a visit.

SAVE DOMINION TAPES for the OARC. The OARC are collecting Dominion Stores cash register tapes to be exchanged at a later date for some worth-while item. Maureen Neill, VE3FZY, is custodian of those on hand. If you 'shop Dominion', or know of anyone who does, gather up the slips and hand them to Maureen when you see her at the meetings or elsewhere.

CHANGE OF MEETING DATE for June, 1978. If you plan on the first Wednesday of every month for OARC and plan months ahead, better watch out for June! The first Wednesday was booked already when we got there so we are down for the second Wednesday. Just a warning well in advance!

CONVENTION '79, October 14, 1979, as you know will be held in Ottawa and hosted by the OARC. There will be a planning meeting for this annual convention of the Radio Society of Ontario early in February. The exact time and place are yet to be decided but will be announced at the next Club meeting and on the Capital City Net when finalized. Penny Robinson, VE3ERO, is convening the organization activities and invites everyone to attend the organizational meetings and offer any comments, criticism or help which they feel are warranted. Anyone who wishes to help but cannot attend the meeting is requested to contact Penny beforehand. The better the planning, and the more volunteers, the better and easier run the convention will be. So please consider NOW how YOU can help!

THE ST. LAWRENCE REPEATER ADVISORY COUNCIL meeting scheduled for January 21, 1978 was cancelled due to blowing snow and bad roads in many parts of the area covered.

A LOT OF PEOPLE THESE DAYS - - - - - (them occupied!!!
- - - - - seem to want an occupation that doesn't keep

MINUTES OF THE GENERAL MEETING of the Ottawa Amateur Radio Club held in the Auditorium of the N.R.C., Sussex Drive on Wednesday 4th January 1978. The meeting was called to order by the President, Penny, VE3ERO.

The minutes of the previous meeting were accepted as printed in THE GROUNDWAVE after corrections were inserted, on a motion by Jim, VE3CIJ, seconded by Larry, VE3CRX. Ray James, VE3CUA reported for the EMI Committee.

Bert Bray, VE3GCK, reported there were 214 members and 9 associates signed up for 1978.

Dave Holford, VE3HLU, chairman of the Children's Hospital Committee reported that Santa Claus Night at the Hospital had been a great success.

Larry, VE3CRX, Dave, VE3HLU and Hugh, VE3DWL, controllers for the Capital City Net thanked everyone who participated.

E.M.O. had a busy year in 1977 and was a successful year.

Larry, VE3CRX, is looking for volunteers for the Ski Marathon, also people who can cross-country ski to act as a patrol in case of injuries.

Carl, VE3BYX, thanked everyone for help in the past with articles for THE GROUNDWAVE. He also called for volunteers to help supply material for future issues.

George, VE3BNO, reported that a new diplexer had been installed at the repeater and needs at least four volunteers to help with work at the site.

As of 30th November, 1977, the Club's assets were \$4,608.37.

President, Penny, VE3ERO, thanked all the people who had worked with her in 1977.

Gerry, VE3GK, stated that 55 students would be writing their Amateur exams in about 2 weeks time.

Pat King thanked all YL's who contributed recipes for the cook book,

Winners of the Foxhunt were 1st, Harry, VE3HYX, 2nd, Keith, VE3GFI.

Winners of door prizes were Larry Smith, VE3CGS, Larry Smith, VE3JLS, and Brett Delmage.

The OARC Award of Merit was presented to Bud Punchard, VE3UD.

The auditors of the OARC books were Bruce, VE3AZM and Howie, VE3JDZ.

The following were elected to the Executive for 1978:

President: Warren Hugét, VE3CPA V-President: Rick Van Gastel, VE3HVA

Secretary: Jan Godwin, VE3JMG Treasurer: Howie Krakower, VE3JDZ

Directors: Bud Punchard, VE3UD; Ray James, VE3CUA; Dave Goodwin, VE2DZE

The meeting was adjourned on a motion by Larry, VE3CRX seconded by Jim, VE3CIJ.

Maureen Neill, VE3FZY, Secretary

REVISIONS OF MINUTES of December 7, 1977 pertaining to the Amateur Radio Symposium convened in Ottawa by CARF on November 26, 1977.

Bill Wilson, VE3NR, Special Adviser to the Assistant Deputy-Minister (Services), Jean-Paul Lefebvre, gave the background to the proposals for the new licences which formed one of the main reasons behind the symposium. The novice workshop was moderated by Jim Swail, VE3KF, with Gerry King, VE3GK, and Bill Loucks, VE3AR, as panelists. Bill Loucks supported the proposed licence explaining that most Amateurs in the USA come in through the Novice class whereas, Gerry, reporting the increasing numbers of Canadian Amateurs, claimed this was unnecessary. dilution of standards when proper teaching procedures can achieve excellent results. The regulations workshop was reported upon by Bill Westbrook, VE3EKA, and the panelists were Art Stark, VE3ZS, Sandy Cameron, VE3AAC, W.W. Scott of DOC and Al Law, VE3ACZ. With moderator Vic DeCloux of DOC they discussed such matters as the simplification of the regulations (with CARF codification to be used as a guide by DOC), control of linear sales, tower restrictions, etc. Dave Robinson summarized the 'Future of Amateur Radio' workshop from notes by Mike Burchell, VE3TP. Noel Eaton, VE3CJ, moderated this best-attended workshop with John Clark, VE3KE, Hugh Lines, VE3DWL and Randy Smith, VE3SAT, as panelists. Discussions were held as to the value of Amateur Radio now and in the future. It was agreed that we must try to make better use of the UHF/SHF assignments and that use of digital techniques and commonplace computer usage in Amateur Radio are but two aspects that can be looked forward to in the future. Penny Robinson presented Jim Deans summary on the experimenter workshop which will appear in the February issue of THE GROUNDWAVE, and her summary of the symposium appears in the January issue.

(The above replaces that part of the minutes appearing on page 4 of THE GROUNDWAVE, Jan/78)

WORKSHOP ON AMATEUR EXPERIMENTER CERTIFICATE

by Jim Dean, VE3CMV

You are all aware of the concern that the original DOC proposal of June 2, 1976 caused among the Amateur fraternity. It even resulted in a poll which strongly opposed a 'no-code' experimenter Amateur certificate. It was evident that many hams, and many of us at the workshop, were concerned about people coming onto the HF bands through the 'backdoor', after using the VHF bands for experimentation under a no-code licence.

At the workshop, the DOC presented a draft Telecommunications Regulation Circular (TRC) which presented a revised proposal which had nothing to do with the HF bands!

Under the chairmanship of Jack Belrose, VE2CV, the workshop then examined the proposal, heard from the panelists and received two papers which were discussed.

Our panelists were Larry Kayser, VE3QB, Israel Switzer (a communications systems consultant) and Ron Belleville, VE3AUM. Larry noted the need to put the 'experiment' back in Amateur Radio which is an experimental service. Larry personally felt that the low level of technical competence in Amateur Radio today is a problem and unless experimentation, which was defined as 'technical exploration in which the outcome was uncertain', is restored, then ham radio will become primarily a hobby service and will be unable to justify retaining our frequencies in the face of many demands.

Israel Switzer came on very strong saying that ham radio as it is today is not relevant. As an industrialist who needs frequencies, he is after our bands and he means to get them. The only way we can hang onto them is to bring the rationale behind the Amateur licence into the 1980's, and one way to do this is to permit experimentation with advanced systems.

Dr. John DeMercado clarified the intent behind the proposed experimenter certificate and the draft TRC. He noted that the operative word is 'experimenter'. It is not, and never was intended, to provide a cheap form of radiotelephone service. Dr. DeMercado sees a marriage of computers and communications through the 1980's. The spectrum must be shared and there must be room for suitably qualified people to experiment. The way the private sector works there is no way that radio channels are available for pure experimentation. This is not to say that industry would use our bands to do their experimental work, however.

There are a lot of engineers who are not interested in our HF style communications but are interested in machine-to-machine communications. He therefore proposes in the draft TRC that those desiring an experimenter licence write a very highly technical exam - the requirements being almost degree level in computer systems - and have privileges on 144 MHz and above. If they wanted to update to a regular licence and go on HF, they would have to update with the regular exam including the code. Dr. DeMercado estimates that only 200 to 300 people might want this certificate class.

The proposal was discussed in depth. Bernie Best, VE3SH, and Ed Morgan, VE3GX, tabled a proposal recommending approval of the experimenter class on 220 MHz and above. Their proposal included a list of qualifications which the workshop did not have time to study. The Nova Scotia Amateur Radio Association sent in a proposal opposing the original proposal of June '76. Many of those present were concerned about 144 MHz privileges for the experimenter class interfering in an already congested band. Larry, VE3QB, noted the lack of use of 50 MHz and noted that unless we use it we may lose it, so perhaps the experimenter class should be given room on 50 MHz and above.

After much discussion, and an emotional defence of the code, the workshop voted on an experimenter class and made recommendations as follows:

- a) there was no objection to an experimenters class certificate as proposed in the draft TRC, indeed it was supported by a vote.
- b) the workshop agreed that experimenters should be given privileges on 220 MHz and above, with 3 voting for 144 MHz and above and one suggesting 50 MHz and above. It was therefore suggested that the DOC and Amateur groups study the 50/144 MHz problem.
- c) Pulse modulation is not permitted for Canadian Amateurs at present. We would like P0-P5 for experimenter class on 420 MHz and above (excepting for 10 to 10.5GHz in order to avoid interference to other services)
- d) F5 (FM television) should be authorized on 420 MHz and above.
- e) Experimenters should be authorized the same power levels as regular Amateurs except that the DOC and Amateur societies

(Continued on page 5)

WORKSHOP (Continued from page 4)

- should examine the definition of power for pulse modes.
- f) Experimenters should be given call-signs with distinctive prefixes but be taken in the regular suffix sequence to allow updating to the regular VE call if and when the experimenter is upgraded.
 - g) Communication between experimenters and regular Amateurs should be approved and encouraged - we do not want to segregate the newcomer, although certain parts of the bands might have to be set aside for the special modulation techniques needed.
 - h) The workshop recommended the age limit of 18 in the TRC be removed and technical competence only be the criteria as evidenced by the exam.
 - i) It was felt that perhaps the technical requirements in the draft TRC were too stringent and emphasized the computer aspect. We felt that experimenters must know the RF side as well in order to avoid interference to other services. Therefore it was recommended that DOC and our national Amateur groups cooperate to determine the requirements.

In summary, the experimenter certificate as it is now proposed is not the monster we feared. If anything, those going for it will be much better qualified technically than most of us are now. There may well be the means of bringing us all into the technical challenges of the 1980's

The workshop recommends that all Amateurs endorse this new class and help to make it work for us all.

Jim Dean, VE3CMV

REDUCE RIG RIP-OFF The engraving pencil is now in Penny's hands. Anyone wishing to borrow it to mark their goods is requested to arrange its loan through her. You are requested not to keep it longer than 48 hours to allow more people to use it. When you pick it up, you will receive stickers and a suggested list of items to mark.

For those who missed Sgt. Martell's talk, this is to assist the police in Operation Identification by marking valuables such as mobile rigs, to aid in identification in the event of theft, and also to act as a deterrent.

If the pencil is not in use, it will be brought to Club meetings but it is recommended that you contact Penny in advance if you wish to borrow it. Phone 225-1276

THE PRESIDENT'S COLUMN

A very good "Amateur Radio" new year to all members and their families. We hope that 1978 will prove most fruitful in whatever facet of our great hobby you may participate in.

To the outgoing Executive - thank you for a job well done!

May I, for my part, and on behalf of all members of your 1978 Executive, thank you for your confidence. You may be sure that we will do our best to make this an interesting year for your club.

For the meeting on February 1, Mr. Len Petrie, of Petrie Telecommunications Ltd., will present a paper on "The Beveridge Antenna". Mr. Petrie has many years' of experience in the design, installation and evaluation of this antenna. He will direct his remarks to the use of this antenna on the assigned Amateur Radio portions of the HF spectrum.

During the past few years there has been much discussion on the Amateur bands as to the merits of the Beveridge, not to mention several published articles in Amateur periodicals.

We expect that many Club members will be interested in this paper and we hope for a large turnout as usual. Warren, VE3CPA

AROUND THE CLUBS (Gleaned from recent exchange bulletins)

- SKYWIDE ARC (Toronto) - are planning an auction/flea market for Feb 27.
- LONDON ARC - met one week late in Dec. due to snow-storm.
- THORNHILL RAC - will celebrate their first birthday as a club in March 1978.
- MONTREAL ARC - are planning a transmitter hunt on January 22.
- OTTAWA VALLEY MOBILE RC - celebrated their 20th anniversary as a club on Nov 18.
- BURLINGTON ARC - will soon have the \$75,000 worth of Dominion tapes required to put another (their third!) wheelchair in the Burlington Mall.
- ST. PAUL (MINN.) ARC - conducted a drive for blood donors in December.
- STRATFORD ARC - are now legally incorporated.
- NORTH YORK ARC - held a successful auction in November.
- ROCHESTER ARA - is now in its 46th year as a club.
- TORONTO FMCS - membership is now in excess of 450.
- VE2RM RC - have installed a repeater output on 224.060 MHz.

THOUGHTS ON BUYING A RIG

I am sure that from time to time you yearn for a new rig! After careful perusal of catalogues and balancing (juggling!) of finances, you gather up your cash stash and, with a gleam in your eye, mail away your order. DO NOT, AT THIS TIME, SIT IDLE with the proverbial sugarplums cavorting in your cranium - the hardest job is yet to come - getting the darn thing past the XYL!

Wives are notorious radio equipment brokers. Although they may not know the difference between a dummy load and a power supply, they have the uncanny ability to judge the price of your coveted radio gear. Within minutes, they can calculate its value within ten percent and convert this into terms of new dresses, furniture, china, etc. Herein lies the problem!

There is a surefire way to circumvent wifey's scrutiny. Do not, under any circumstances, attempt to drag your shiny new 4KW Warble-Master 5-band AM, CW, SSB, FM, PTO, DDT whoosis into your home under cover of darkness. This will fool no-one and may well cause you to trip over the cat. Instead, take a little bit of time and prepare your new rig at the home of a co-conspirator (ie. a bachelor ham).

To begin with, destroy the factory-fresh shipping carton along with all the tags and stickers which came with the rig. Locate an old oversized carton, preferably with "GOVERNMENT DISCARD" stencilled on with black paint. With appropriate tools, remove at least 60 percent of the existing knobs and dials. Replace them with mismatched sets from your junk box. Stick strips of walked-on adhesive tape and scatter dust on the cabinet at random. Take several pieces of wire with burnt-out resistors attached and hang them loosely from the inside of the cabinet. Wrap the rig in an old newspaper, no later than 1947, and place it in the aforementioned box. Throw in old tubes, coils and other discarded components and prepare to run the gauntlet.

Now, lug the box et al into your house, in full view of your spouse, and remark, in as convincing a voice as possible, that you have enough left over from the \$50.00 you had planned to spend to buy her a new dress. IMPORTANT - At this point reach into your pocket and hand over the money!

Shove the box behind the shack door and pay no attention to it for at least two weeks. By that time, your wife will have

become accustomed to its presence and you can begin its restoration, which will keep you busy for a few days. "The Exchequer" will be doubly pleased by this, first because she will think you are a hot-shot technician to resurrect such a moth-eaten old pile of junk, and secondly because you will be so pre-occupied with your little deception that you will not notice her acquisition of THREE new dresses, TWO end tables and a SET of silverware!!!

(Credit: Bluewater Bulletin via Scarborough ARC News)

SYMPOSIUM COMMENTS (Gleaned from recent exchange bulletins)

MONTREAL ARC - ...the vote was 19 to 3 against the Novice license. This came as something of a shock to those who were in favour, since numerous surveys conducted during the last year have shown that the fraternity is very much in favour of a Novice class...

LONDON ARC - ...Many observers walked away with the opinion that the Symposium had been a "snow job"; carefully orchestrated to give apparent amateur consent to the new no-code experimenter class license that the DOC wanted. A few made the comment that CARF had "gone to bed with the DOC"...

OTTAWA VALLEY MRC - ...It was most heartening to note the common theme that the Radio Amateurs advocated in workshops and assemblies. It was very evident that they did not want the requirements to be relaxed for the two other classes of licence, in fact many indicated that they should be tightened somewhat...

THORNHILL RAC - Something strange happened in Ottawa...The outcome of this meeting due to CARF's vote was to OK the exact opposite of the wishes of CARF members and other amateurs across Canada...I received the impression that all was pre-ordained. It was felt that the experimenters proposal was being forced on us whether we liked it or not. In a Democratic country, this smacks of "Dictatorship" to quote one attendee... (These are the only comments I have seen to date - Ed.)

CONGRATULATIONS to Merv Lemke, VE3CV, on being elected President of the Ottawa Valley Mobile Radio Club Inc., and to Hugh Lines, VE3DWL, on being elected president of the Ottawa Computer Group.

THE OARC AWARD OF MERIT was presented at the January meeting to a well-known and highly-respected member of the Ottawa, and Ontario/Quebec, Amateur community.

J.C.R.(Bud) Punchard, VE3UD, is a Gentleman, Scholar, Lecturer, Author, Administrator, Experimenter, Inventor, Humanist and, last but not least, Amateur. Bud has been:-Vice-President of Bell-Northern Research;

- President of the Canadian Radio Technical Planning Board for several years;
- Active in the Telephone Pioneers Radio Club;
- Director of the OARC since 1974;
- Winner of the McNaughton Award, the highest award in the Canadian Division of the IEEE;
- Chairman of the Canadian Amateur Radio Federation Committee on the World Administrative Radio Conference 1979.

Bud has also been:-Lecturer at McGill University;

- Active in Amateur events such as Shinerama and Field-Day;
- Generous with his time when other Amateurs needed help;
- Inventor of a unique ice-free antenna.

Bud is:-President of the Capital City (Ottawa) Chapter of the Quarter Century Wireless Association;

- Author of a paper on the benefits of Amateur Radio which was sponsored by the Canadian Amateur Radio Federation for the Department of Communications and has been accepted as background information by the International Telecommunications Union, and will be distributed to all Member Countries.

It was for these reasons, among others, that this Award was presented.

We honour ourselves in honouring Bud.

THE OTTAWA AMATEUR COMMUNITY was saddened recently to learn of the sudden passing of Ray Degenais, VE3ARJ. Ray was active in many facets of Amateur Radio from Shinerama and Ski Marathon to lending assistance and a helping hand to anyone in need. Ray will be sadly missed and our sympathy is extended to his wife on this sad occasion.

IT ISN'T THE CLUB, IT'S YOU

If you want to belong to a genial throng,
 To the kind of a group that you like,
 You need not pack your clothes in a sack,
 And go on a long, long hike.
 You will only find what you left behind,
 For nothing is really new.
 It's a knock to yourself when you knock your Club,
 It isn't the Club, IT'S YOU!

Real Clubs are not made by men afraid
 Lest somebody gets ahead;
 When everyone works and nobody shirks,
 You can raise a group from the dead.
 And if, while you gain a personal gain,
 Your neighbour can make one too;
 The group will be what you want it to be.
 IT ISN'T THE CLUB, IT'S YOU!

(Credit: Scarborough ARC News)

THE FIRST CB LICENSE EVER ISSUED was issued to John, W2RTW, who also built the first CB units in 1947. He still has the original units (one mobile and one base) but he doesn't use them anymore. At that time CB was assigned to 460 MHz and wasn't nearly so crowded as it is now.
 (Credit: Tomkins Co, ARC via RaRa Rag)

TRY IT - YOU'LL LIKE IT (MAYBE)! by Brian Summers, VE3JKZ

Have you ever wondered about those ARRL (and other) operating events? I certainly have, and after several months on the air, was getting a bit peeved at seemingly every weekend finding the bands crowded with masses of people whose main objective seems to be sending CW that sounds like DAH DIT DITDIT DITDITDIT DAH (or is it DAHDIT DITDITDIT DAH?) followed by strings of numbers.

It certainly clogs the HF bands and, other than the annual Field Day event, I personally still don't see the point of it all. It is very aggravating when all one wants to do is to spend a couple of hours on Saturday morning on 20 or 15 having a chat with the guys (and gals) in Europe. I'm a reasonable guy though, and if some people are intent on that type of activity I guess that's their prerogative and simply another facet of Amateur Radio. Sure wish they'd keep to just a 20 or 30 kHz segment of the band though, so the rest of us can do our thing as well.

It wasn't until I joined ARRL and discovered there were things like CQWW, Sweepstakes, IZDX, CLARA, SAC CW, RSGB 21/28, YU/80, TEN-TEN, YL/OM and so on ad infinitum and ad nauseum that I realized the extent of it all. What with Zone numbers, continental and political sub-divisions, equipment, operator and band multipliers, etc., etc., it seems that computing one's score would require a mini-computer or microprocessor as an absolute minimum. No wonder some of the final scores run to well over the million mark, and there was I thinking they were separate QSOs!

One day while reading QST I noticed in Operating Events something about a Straight Key Nite, or SKN, planned as a friendly on-the-air gathering using brass-pounders in place of the bugs, electronic keyers, keyboards and similar which are so common these days. Having been using an electronic keyer for the last couple of months I decided to give it a go. The keyer was put aside, and that \$4.95 Radio Shack special on which those first shaky 10 wpm local and DX QSOs were made was brought out of retirement.

The event was planned for January 1st, and at around 1100 on 20 your scribe called a K9 who had been sending CQ SKN. A very pleasant QSO ensued; but alas, after 15 minutes my arm had become semi-paralytic and the code a meaningless jumble of dits and dahs. I wasn't the only one though - between 14060 and 14080, some real horrible CW was being sent! Not sure if this was due to a

lack of familiarity with straight key sending, or to the after effects of the previous nights revelries! (Momo to self: Suggest to ARRL that January 1st is a bad time for SKN)

A couple of more SKN QSOs were made on 40 in the evening, and then some KP4, XE and YU stations were heard so a bit of DX chasing ensued. For what its worth, I thought that SKN was a great idea - it gave just a little more in the way of camaraderie than the usual QSO. Strictly non-competitive and just a fun time. Your scribe will be looking more closely through QST for similar such activities, and would suggest that other hams who have previously moaned in anguish to hear such goings-on give it a try - who knows, you may even enjoy it!

.....73 DE VE3JKZ

LETTER TO THE EDITOR

Dear Editor: The report of the recent Amateur Radio Symposium and its concern with potential regulation changes and novice licences has prompted me to put pen to paper in the hope that DOC does not dream up the same rule changes as the FCC has recently imposed on our colleagues south of the border.

I have always been mildly amused by the myriad of US licence classes but a recent FCC ruling allowing instant upgrading after passing the required test by adding 'interim XY' (XY referring to the location of the test) to the old call makes the mind boggle. And while we're on the same subject, we're all aware that the US and Canadian HF phone bands are not always coincident (or are we?) I recently heard VE3 on 20 metres calling CQ Alaska below 14200 kHz. Funny thing was, he apparently only needed 2 or 3 more states for a WAS! Talk about a hard-earned award!

But seriously, the recent wave of 'interim' calls seem completely oblivious to this ruling and most days I hear someone being 'politely' told that he is 'out of his phone band'. (One guy was rather upset about this and adamantly refused to move until it was pointed out to him that on his particular rig he should read a different VFO scale on 20 metres and what he thought was 14330 was actually 14170!)

The other strange ruling is the dropping of the requirement for stations from a different call area to sign their call as 'portable W4' or whatever when they operate from another location. So if you hear a W3 on 2 metres, don't get too excited.

(Continued on page 9)

W.A.S MINUS ONE by John Gilbert, VE3CXL

On June 26, 1955, with the ink barely dry on my newly acquired ticket, I loaded up the old Command set to its full 60-watt capacity and carefully, VERY carefully, called 'W4GKW DE VE3BOH'. Back he came with a 599 report - my first state!

Reasoning that if I could work one, I could work them all, I forsook all other pastimes and gradually worked 10, then 20, and finally I had all but one - the state of Utah. At this point fate intervened in the shape of the D.O.T. who decided that my services could be put to better use in Resolute Bay, N.W.T.

Armed with a new call (VE8OW), a new DX-100 (yes, they were new once!) and a noise-free QTH, I ventured forth with a short CQ. Three months later, with the occasional break for food, sleep and work, I had filled two log books, had a shoe box full of QSL cards and was one state short of W.A.S. - the state of Utah! At this point I was advised that in two weeks I was to travel on the icebreaker D'Iberville to Eureka, N.W.T., some 250 miles more than the 25 mile limit allowed for W.A.S. credits. For the next two weeks dozens of sympathetic hams in the south combed the bands for a Utah station for a sked, but without success. The week before I left, the final blow, a radio blackout wrote 'finis' to W.A.S. attempt number two.

On arrival at Eureka, 2000 feet of copperweld, in the form of multiple Vee beams was soon put up in the air where it belonged, and W.A.S. attempt number three began in earnest. More log books filled, more shoe boxes full of QSLs, many marked with tear-stains of joy (my first Zone 2, the only VE8 worked in 30 years!) but even after 20 months operating, not a trace of Utah.

I made another half-hearted attempt back in the south, as VE3BOH from Sarnia, but the results seemed pre-ordained. I had W.A.S. minus one - with Utah the hold-out again! This was to have been my last attempt until retirement.

However, in 1975 I had to attend a conference in Salt Lake City and, flying into the airport, I counted no less than four amateur antennas - could it be that there really were hams on the air from Utah?

Back in Ottawa, now as VE3CXL, I fought the W.A.S. fever for months only to finally succumb for the fifth time. No longer the tear-stained QSLs, no longer the pile-ups,

it was now a matter of listening for hours, tearing pages while thumbing through the call book and sending dozens of self-addressed stamped envelopes to hams who value VE3 cards somewhat less than last year's calendar. But, wonder of wonders, the technique worked, and last September I hung my W.A.S. Certificate in a place of honour in the shack.

What about Utah you ask? Well, I was so sure that the contacts I did make would not QSL that I sent cards to them all. I was wrong. They all did QSL and I now have Utah on 5 bands! Reasoning that if I can work Utah on all bands then I can work all states on all bands, my current project is a 5-Band W.A.S. Now if I can get a sked with Alaska on 80, 40 and 10, I will be off to a good start!

One last thing... If anyone can tell me how to contact a VE8, I will be able to send the special tear-stained QSL which I have already partially filled out with 'My first Zone 2, First VE8 since 1958!'

(VE3CXL)

LETTER TO THE EDITOR (Cont. from p 8)

So VE's take note. The existing regulations give us a pretty free rein. In my opinion we have the best combination of bands, regulations and allowable power input in the world (with the possible exception of being allowed to pass third-party traffic). Let's all make full use of our privileges before we lose them.

Well, I must get back to some serious DXing..... 73,

Paul Coverdale, VE3ICV

CONVENTION '79 planning is discussed on page 2. Convention '78, the 10th annual RSO Convention will be held in London, Ont., the 'Forest City' on October 13,14,15 1978. London Amateurs will be operating VE3LON/3 and by contacting this station and requesting their special QSL card you will also receive a fee discount of \$1.00 on the Convention Registration charge. By contacting 10 different operators (a different one is on each week) on VE3LON/3, you will also qualify for a special IARC Award. Their computerized log will keep track and you will be notified when the required QSOs have been completed. Sept. 15, 1978 is the expiry date for this award.

(IARC Convention Committee via OVMRC Rambler)

JUST WHEN YOU LEARN ALL THE ANSWERS-----

-----they change the questions!!!!

EQUIPMENT FOR SALE from the estate of Norm Lewrey, VE3HO. Contact Jim Dean, VE3CMV at 225-6288 for prices and other information.

- 1) Crystals -Transmitting- HC6/U holders
6115.000kHz (X24 - 146.760 MHz)
6102.500kHz (X24 - 146.460 MHz)
- 2) Crystals -Receiving/ HC6/U holders
(Set unknown but believed to be Progress line)
29297.00 kHz - also marked 146.940
29261.00 kHz - also marked 146.740
29297.00 kHz - also marked 146.940
- 3) Crystals by Bomar (IC20, IS22 size)
HC25/U holders
15.1644 MHz - marked R147.18 (#10-73)
19400.25 kHz
- 4) General Radio Model 7A Wide Range
Beat Frequency Oscillator (50 Hz to 5 MHz) - in good working condition.
- 5) BC-221 Frequency Meter with power supply and calibration book.
- 6) Transformer 16 VAC 15 Amps 110 V primary.
- 7) Teleprinter desk on castors
20" X 18" top, 27" high
- 8) Operating desk, solid oak, about 40 years old. 60" X 34" top, 30" high. Top needs refinishing. Has homemade elevated equipment shelf along back.
- 9) Vertical Antenna - 30 feet, telescoping in five, 6-foot sections. With insulated base. Guy rings attached. No guys. Ex-military.

HAVE YOU HEARD? - stations on two-metres FM with automatic personal identifiers. These are CODE-A-CALL (Trademark Registered) units produced by a group of Amateurs in the Montreal area. Their brochure reads, in part, - The most practical accessory for every proud, possessive Amateur (Ed Note: and what Amateur isn't proud and possessive?) - Your rig is recognizable no matter who keys your transmitter (Ed Note: a good way to identify stolen rigs) - Your call is sent in clear precise CW every time your transmitter is keyed - fits inside most rigs - adjustable level control - \$39.95.

For further information contact:
COMELCO, Box 25, Beaconsfield Postal Stn.,
Beaconsfield, Que., H9W 5T3

SELECTIVE CALLING DECODERS are available in kit form for \$29.95 from WA6JMM, Box 8306, Van Nuys, CAL, 91406. These are 3-digit units and are essentially the same as the Auto-Call 76 as published recently in 73 magazine. Rob Bareham, VE3ACY, has one on hand for anyone who wishes to see it.

MANY THANKS TO

--BYTOWN MARINE--

for their donation of two ARRL Handbooks for door prizes at the January meeting. BYTOWN MARINE are located at 1140 Morrison Dr. and handle many well-known lines of electronic and Amateur equipment. Show them you appreciate their support of your Club.

EQUIPMENT FOR SALE from the estates of VE3ANO and others. Contact Penny Robinson, VE3ERO, at 225-1276 for prices and other information. Only reasonable offers will be considered.

- 1) Chassis with 165D and 718X transformers, 10V200 choke and 4 mfd/600 volt oil-filled capacitor.
- 2) Chassis with 732X60 and 1122X transformers, 10V200 choke and Simpson 183 (current?) multiplier.
- 3) Heathkit Q-Multiplier Model QF-1.
- 4) Three variacs (powerstacks) 270 watts, 120 volts (One brand new).
- 5) Heathkit Electrovoice dynamic microphone.
- 6) HRO-50T1 Receiver including speaker, Racal SSB adapter, crystal calibrator and coils A to F covering 40 kHz to 30 MHz (with bandspread). This receiver is working in A-1 condition and is valued in the vicinity of \$200.
- 7) Linear Power Supply including 740 volt centre-tapped, 220 volt centre-tapped, 67X60, 78X60 transformers; 10 henry, 5 KV, 200 ma choke, heavy duty relays, oil-filled capacitors, all on a 19" chassis.
- 8) Mil-spec Multimeter I/D TS-505D/U. 215 to 500 volts, center-scale 50 ohms with 1 to 1 megohm multipliers.
- 9) 12AVQ vertical HF antenna in excellent condition covering 10-15-20 metres.

IF YOUR WIFE DOESN'T UNDERSTAND YOU-----

-----you're probably lucky!!!

NET DIRECTORIES

courtesy Bruce Carveth and RSO via Scarborough ARC News

<u>TIME</u>	<u>DAY</u>	<u>NET</u>	<u>FREQUENCY</u>	<u>CW NETS</u>
0600	Daily	Maritime Weather	3770	1100 Sunday
0700-1800	Daily	ONTARS	3755	Pot Lid (Ottawa) 3620
0700	Sunday	Maritime Oldtimers	3750	
0800	Daily	VE2PL's	3750	1600 Daily ex Sun
0800	Daily	Happy Gang (Que Whitecane)	3765	Ontario Daytime 3645/7040
0800	Daily	Professional Loafers	3787	
0900	Sunday	Renfrew County	3740	1830 Daily
0930	Sunday	Georgian Bay ARC	3783	Grey-Bruce 3645
1000	Sat & Sun	Ottawa Pot Hole	3760	
1030	Sunday	Montreal ARC Forum	3770	1900 Daily
1030	Sunday	Nortown ARC	3770	Ottawa/Ontario 3535
1100	Sunday	London ARC	3750	Quebec Section Net 3547
1100	Sunday	Metro (Toronto) ARC	3735	1900 Daily
1100	Sunday	North Bay ARC	3740	Atlantic Provinces 3654
1100	Sunday	West Side (Toronto) ARC	7192	1845/
1115	Sunday	Scarborough ARC	3820	1945 Daily 3652/
1200	Saturday	Trilliums	14140	2130 Eastern Canada 7040
1300	Saturday	Trans-Canada	14135	
1300	Sunday	Trans-Canada	14140	1945 Daily
1300	Sunday	QCWA	3770	Manitoba Traffic 3660
1400	Tuesday	CLARA	14160	
1600	Saturday	Trilliums (YL/XYL)	3770	2000 Wednesday
1630	Daily	Professional Loafers	3787	Maritime Slow Speed 3680
1645	Daily ex Sun	Maritime Whitecane	3770	
1700	Mon thru Fri	Roadrunners	3795	2130 Daily
1700	Daily	VE2PL's	3750	Eastern Canada 3652
1800	Daily	Maritime	3750	
1830	Daily	Chicken Junction	3790	ref QST Daily
1845	Daily	Quebec (French)	3780	WLAW Code Practice 3580
1845	Daily ex Sun	Laurentian	3755	& 7080
1900	Daily	Ontario Phone	3770	
1915	Daily	NW Ontario	3750	
1930	Daily	Quebec (English)	3775	
1930	Mon thru Fri	Wheelchair Roundup	3770	
2000	Sunday	Telephone Pioneers	3760	
2000	Fri-Sat	Geritol	3787	
2000	Wednesday	Whitecaners	3765	
2000	Daily	Manitoba	3765	1900 Ontario Southern Net
2015	Daily	NW Ontario	3750	Daily (CW) 3667
2100	Sunday	Skywide (Toronto) ARC	3770	
0845	Wednesday	Stitch and Chat	3780	1850 Champlain Mini-Net

NOTES
 Omissions:
 1815 Grey-Bruce Slow-Speed Daily (CW) 3645
 1900 Ontario Southern Net Daily (CW) 3667
 1850 Champlain Mini-Net Daily VE3STP (FM 146.46/06)

SWAP NETS

1000	Sunday	Ottawa Pot Hole	3760
1130	Sunday	North Bay ARC	3740
1200	Sunday	London ARC	3750
1930	Sunday	Ontario Swap Shop	3790
1930	Monday	Muskeg Swap Shop	3755
2030	Friday	Quebec Radio Net	3775

1000 Peel ARC Sunday (CW) 3685
 1100 Peel ARC Sunday (USB) 7165
 (Sorry for the corrections and additions - no time now to re-type - Ed.)

NOTES

(Remove this page and keep at your operating position for reference)

THE OTTAWA AMATEUR RADIO CLUB
 BOX 8873, OTTAWA, ONTARIO,
 CANADA, K1G 3J2



FIRST CLASS MAIL

ARCHIVES (O.A.R.C.)
 C/O G. Martin
 1771 Hutton Ave.
 Ottawa Ont. K1G 1M1

THE OTTAWA AMATEUR RADIO CLUB		P.O. BOX 8873	OTTAWA	ONT.	CAN. K1G3J2:
President	Warren Huget VE3CPA	805 Weston Drive,	Ottawa,	Ont.	733-2816
V/President	Rick Van Gastel VE3HVA	3160 Stockton Dr.,	Ottawa,	Ont.	737-0782
Secretary	Janice Godwin VE3JMG	31 Millford Ave.,	Ottawa,	Ont.	993-3800 Ext 126
Treasurer	Howard Krakower VE3JDZ	49 Kidgrove Gardens,	Ottawa,	Ont.	825-2843
Directors	Dave Goodwin VE2DZE	4 Victoria Place,	Aylmer,	Quebec	563-8260
	Ray James VE3CUA	43 Ashburn Drive,	Ottawa,	Ont.	225-5109
	Bud Punchard VE3UD	3193 Riverside Dr.,	Ottawa,	Ont.	996-0597
Membership	Bert Bray VE3GCK	Box 147, RR #2,	Orleans,	Ont.	684-6173
Net Manager & Emerg. Comm.	Larry Bradley VE3CRX	9 Chartrand Ave.,	Orleans,	Ont.	224-7243
Custodian & Archivist	Gerry Martin VE3CNI	1771 Hutton Ave.,	Ottawa,	Ont.	733-3990
Electro-Mag.	Bill Westbrook	1494 Ridgebrook Dr.,	Ottawa,	Ont.	824-7844
Interference	VE3EKA	K1B 4K7			824-3753
Coffee	Sean Huntley VE3HXP	109 Clearview Ave.,	Ottawa,	Ont.	993-3238
		K1Y 2L1			731-3220
					749-3373
					239-2685
					722-9467
					224-8636