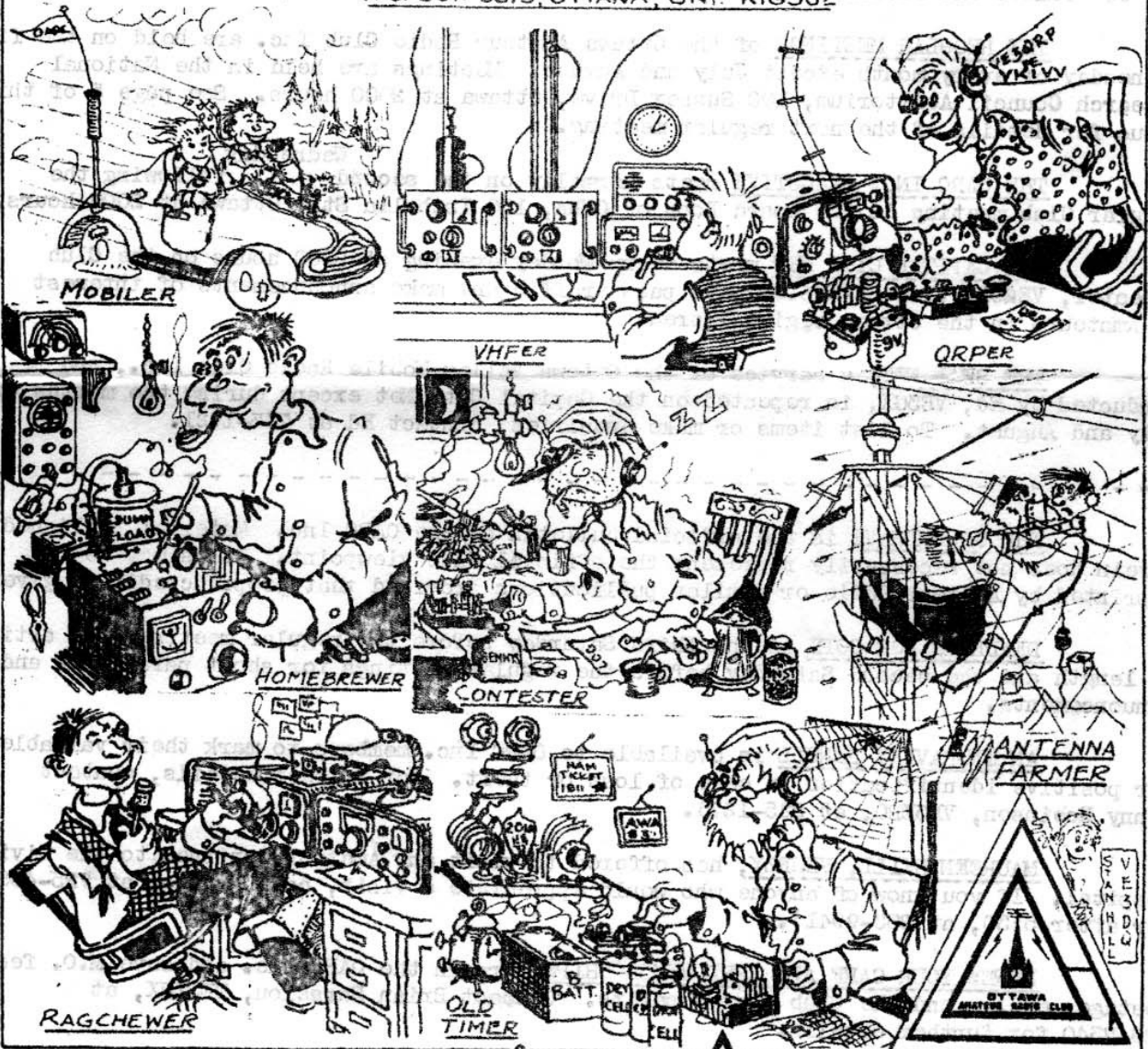




# THE GROUND WAVE

THE OFFICIAL BULLETIN OF THE OTTAWA AMATEUR RADIO CLUB INC.  
P. O. BOX 8873, OTTAWA, ONT. K1G3J2



AMSAT

Club Call VE3RC



Repeater VE2CRA

THE GROUNDWAVE - OFFICIAL BULLETIN OF THE OTTAWA AMATEUR RADIO CLUB INC.			
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THE OTTAWA AMATEUR RADIO CLUB INC. 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 REGULAR MEETINGS of the Ottawa Amateur Radio Club Inc. are held on the first Wednesday of every month except July and August. Meetings are held in the National Research Council Auditorium, 100 Sussex Drive, Ottawa at 2000 hours. See page 5 of this issue for details of the next regular meeting.

THE OARC INC. EXECUTIVE meets normally on the second <sup>Wednesday</sup> following the regular Club meeting in the Board Room of CFRA, 150 Isabella St., Ottawa at 2000 hours.

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 repeated on the Capital City Net except during the months of July and August. To list items or make enquiries, contact Ed at 733-1721.

THE GROUNDWAVE is the official bulletin of the OARC Inc. Material published herein does not necessarily represent the official Club viewpoint. Items may be reprinted by Amateur Radio or similar publications provided that proper credit is given.

DEADLINE FOR COPY is the third Saturday before the regular meetings for articles of length and the second Saturday before the regular meetings for short paragraphs and announcements.

AN ENGRAVING PENCIL is available to OARC Inc. members to mark their valuables for positive identification in case of loss or theft. For further details, contact Penny Robinson, VE3ERO, at 225-1276.

MAUREEN NEILL, VE5FZY, has offered to visit any Amateur confined to the Civic Hospital. If you know of anyone who would appreciate a visit, call Maureen at 725-4581 (or after 5:30, at 233-9941).

RENEW YOUR CARF AND ARRL MEMBERSHIPS through the OARC Inc. and save M.O. fees, postage, etc. - and the Club also benefits. Contact Brian Barsalou, VE3IBX, at 829-7340 for further details.

DOMINION STORE CASH REGISTER TAPES are being collected by the OARC Inc. for a worthwhile cause (contact any member of the Executive for further details). So save up your tapes and get your neighbours and friends to do the same and hand them in to any member of the Executive at your convenience.

MINUTES OF THE OTTAWA AMATEUR RADIO CLUB INC. REGULAR MEETING

December 7, 1979

The meeting was called to order by the President, Larry, VE3CRX, at 2000 hours. Among the visitors welcomed were Carl, VE3CAZ, and George, G4GVN.

The minutes of the previous meeting were approved as published in the December GROUNDWAVE on a motion by Bill, VE3EKA, seconded by Harry, VE3HRC.

Rick, VE3HVA, Chairman of the Purchasing Committee asked that the money due for the current purchase be in by Saturday so that the order can be submitted on the weekend.

Larry, VE3CRX, reported that the Nominating Committee are busy but many positions are still without any takers and any suggestions or volunteers should contact the committee or the executive.

Larry, VE3CRX, also reported that the deadline for nominations for the Club's 'Amateur of the Year' award is fast approaching and anyone with a nomination should get it in right away.

The position of editor for the Club bulletin, THE GROUNDWAVE, is still open as well as help for the publishing as Jose, VE3JST, is being transferred to Houston, Texas.

Art, VE3ZS, reported that the 'Bunny' could not be present but reported that he enjoyed himself immensely under the Champlain Bridge waiting for all comers. Team winners were: 1st - VE3HYS and VE3JIG and friend; 2nd - VE3KEG and VE3BRT. There were no individual winners.

A call was made for an organizer for the 'Santa by Radio' visit to the Children's Hospital and for volunteers for the 'Santa-on-the-Air' effort of the OARC. Plans need to be finalized right away.

John, VE3CXL, reported on the Club Project proposals and prototypes of both the keyer and power supply will be built right away. A call was made for co-ordinators for both efforts.

Bill, VE3NR, President of the Canadian Amateur Radio Federation outlined the new editing policy for The Canadian Amateur and called for help with various editing functions. Doug, VE3CDC, has done a fantastic job over the past years to bring the magazine to the creditable position it holds today. Doug is giving it up however and it was decided to split the work up into four fields:- News, Feature, Columns and Technical. A Technical Editor has been located but if anyone has suggestions for anyone to fill any of the other three, Bill would like to hear from you right away(733-2205).

Doug, VE3CDC, reported that the FCC are willing to remove the requirement of obtaining a 410 form for reciprocal operating if the DOC will reciprocate. It is hoped that they will. Similar requirements for GRS operators will cease on May 10, 1980.

It was reported that George Collins is operating as HS4AMA out of Thailand on or about 14006 CW around 0000 to 0100 Z. He also operates 15 metres and is interested in coherent CW if anyone is able to work with him.

Croft, VE3OR, President of the Radio Society of Ontario presented Bud, VE3UD, with the RSO Amateur of the Year Award. This could be claimed to be the third time for this presentation - first, on 20 metres while Bud was attending WARC in Geneva; second, in absentia at the RSO Convention while Bud was still in Geneva and third, tonight in person. Bud replied very fittingly and received a well-deserved round of applause.

(Continued on page 4)

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 MINUTES OF THE PREVIOUS MEETING (Continued from page 3)
 

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A short break was called to hold the monthly draw. The winner of the piece of test equipment was Russ, VE3LOW. The membership was reminded of the Super End-of-the-Year draw at the January meeting when 1979 membership cards will be collected and drawn for a prize of significant value.

Bud, VE3UD, gave a talk on the proceedings and results of the recent WARC deliberations. Bud was able to give us a special insight into the workings of WARC as well as the reasoning behind some of the decisions taken. The most significant changes for the average Amateur would appear to be additional bands, albeit small and shared, at 10,100-10,150; 18,068-18,168; and 24,890-24,990 kHz. Bud indicated that the information given, while fairly accurate, had not been finalized and it would be some weeks or months before there would be a Departmental release on the subject and that January 1, 1982 is a proposed date of implementation. A side item is that the Standard Broadcast band is to be extended from 1605 to 1705 kHz.

Larry thanked Bud for his excellent and timely report on WARC and for his efforts on behalf of Amateur Radio.

Bill, VE3NR, reported that CARF is planning a series of regional and national symposia to study the WARC decisions and to consider recommendations for their implementation and band allocation, if any.

The meeting was closed at 2230 hours on a motion by Merv, VE3CV, seconded by Dave, VE3GSA.

Barbara Everson, Acting Secretary

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WARC HIGHLIGHTS and Items of Interest as reported to the OARC by Bud Punchard, VE3UD, at the General Meeting, Dec, 5, '79.

As Bud spoke to us he estimated that WARC should have officially ended about an hour previously, and that it would be a week or so yet before the final documents would be released and probably much longer before individual governments would release their interpretations and comments.

Bud indicated that his comments were all valid as of about a week previous and while he didn't anticipate any drastic changes, there still could be reservations by footnote and wording changes.

As background information, it was estimated that the WARC conference cost approx. 50 million dollars. Support for Amateur Radio was practically non-existent from Third World countries and very powerful groups were looking for spectrum space below 28 MHz. One exception was Jordan where the delegation indicated that they had strict orders from King Hussein himself to support the cause of Amateur Radio.

One proposal which on first sight was contrary to all current Amateur Band allocations appeared in the end to help our

cause considerably. This was the proposal of the Red Cross and other related organizations (ie Red Sun, Red Crescent, etc.) who now operate just outside the Amateur Bands to be allowed to operate inside the Amateur Bands IN TIMES OF EMERGENCIES AND ON A TEMPORARY BASIS ONLY. Their proposal indicated that being on assigned frequencies made it very difficult if unforeseen interference developed. Getting a new frequency co-ordinated between all regions of the world on a rush basis was next to impossible. Amateur Bands, however, are in many cases on a world-wide basis and frequencies are not specifically assigned. Also, they were not interested in communications with other stations but only in point-to-point circuits during emergency and disaster situations.

The Amateur delegates were quick to see the implications and possible benefits here and quickly agreed to the proposal with the result that the Amateur Radio lobby was held in a much higher esteem and it is thought that many subsequent proposals and allocations were influenced by this action.

The opening day of WARC saw about 1800 people in attendance and about 1400-1500

(Continued on page 5)

WARC (Continued from page 4)

people were in attendance during deliberations. Simultaneous language translation was available in six languages and 1200 separate documents were prepared and distributed to each and every delegate. 14,000 different proposals were considered by the 9 major committees.

The Canadian delegation consisted of 41 persons.

Another break with Amateur tradition was the allocation of three new bands in the HF spectrum (albeit small and shared on a secondary basis) at 10,100-10,150 kHz, 18,068-18,168 kHz and 24,890-24,990 kHz.

The portion of the electromagnetic spectrum below 10 kHz was not allocated (so you can't get after your neighbours kids about not having a licence when they're playing Rock 'n Roll 'music').

January 1, 1982 is a proposed date of implementation in many cases. As a further note of interest, the Broadcast Band (AM) is to be extended from 1605 kHz to 1705 kHz.

We are all indebted to Bud for this timely and up-to-the-minute report of this subject of such great concern to our hobby.

DOC REQUEST FOR ASSISTANCE

Another 'would-be' Amateur has shown up on 20 metres using the call 'VE3VEQ', which has not been assigned yet. If anyone hears this station on the air, a tape recording of the conversation would be much appreciated by the local DOC office.

(Credit: HI-Q, Lakehead ARC)

KEEP UP ON AMATEUR NEWS - Remember the CARR News Bulletins.

Sundays: SSB 14,140 MHz 1745Z  
 CW 14,077 MHz 1930Z  
 RTTY 14,077 MHz 2130Z (approx)  
 (50 wpm Baudot, the 100 wpm ASCII)

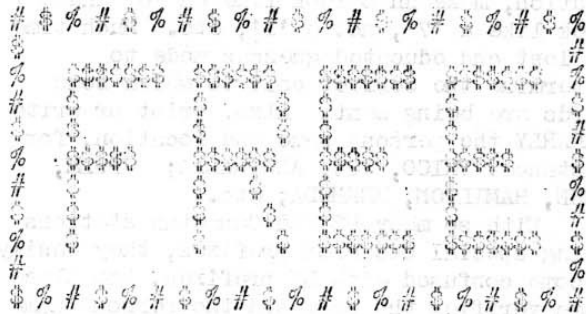
Tuesdays: CW 3,590 MHz 0100Z  
 (Mon eve) RTTY 3,610 MHz 0130Z

A LANGUAGE BANK is operating in the Cleveland area. If you encounter a person who does not speak English, a call to 213-6525 puts you in touch with the Language Bank and the services of about 500 volunteers who speak one or more languages in addition to English. In all, 55 different languages are provided and most calls come from the airport, bus stations, Amtrak and, from time to time, from ships at dock and hospitals facing emergencies.

(Credit: Lake Eris ARA via ARNS)

THE NEXT REGULAR MEETING of the Ottawa

Amateur Radio Club will be held on January 2, 1980 in the Auditorium of the National Research Council, 100 Sussex Drive, Ottawa at 2000 hours. The main item on the program will be the election of the Club Executive for 1980. See page 9 of this issue for the slate of officers proposed by the Nominating Committee. Another highlight of the evening will be the draw for the 1979 Free Superprize, see below for further details. Remember this is the day after New Year's Day so mark your calendar now!



TO SOME LUCKY MEMBER OF THE OARC WHO  
 ATTENDS THE REGULAR MEETING ON JAN 2, 1980

-a Yaesu FT-202-R 6-channel 2-metre hand-held with a full complement of crystals De Luxe case, carrying case, charger and a one-year guarantee. This is a One-watt unit and valued well over \$250.00.

Over the past year there have been several draws at Club meetings, the profits of which were added to what has been traditionally spent for a year-end draw with the above result.

The mechanics of the draw will be a little different this year, however. In the past, the members present have dropped their expired membership cards into the 'hat' and the draw was made from that.

This year cards will be prepared from the OARC membership list as of ~~xxxxx~~ the end of December, 1979 and a random selection will be made from these - THE MEMBER DRAWN MUST BE PRESENT TO WIN - otherwise, another draw will be made.

This means that any 1979 member and any new member who has signed up up to about the middle of December will have a chance but will exclude any new member who joins the latter part of December or at the January meeting. IMAGINE THE RIBBING YOU'LL TAKE if your name is drawn and you're not there

THE VE3 QSL BUREAU is operated by a group of volunteers under the direction of The Ontario Trilliums, an organization of Ontario YLs. Both incoming and outgoing cards are handled in conjunction with both the CARF and ARRL bureaus.

A QSL card is simply a confirmation of a two-way contact between Amateur Radio Stations. All pertinent information such as date, time (GMT), band, mode, signal report, name, etc., should be filled in. If this is missing, the card is meaningless to the recipient. Also, one suggestion - which should be compulsory - PRINT the call of the station, make an 8 look like an '8' and a 7 look like a '7', not a '1', etc. Much time is lost and educated guesses made to determine the correct call to which some cards are being sent. Also, print or write CLEARLY the persons name and location, for instance: VK1CO, JOE, AUSTRALIA; VP9IM, JOHN, HAMILTON, BERMUDA; etc.

With so many US and Canadian stations using special occasion prefixes, they easily become confused with DX prefixes, the place name verifies the call and the persons name further verifies it if the address or call has changed. Many cards are received in error from other countries indicating that we are not the only ones with this problem. They are simply re-routed through CARFs outgoing service to their correct bureaus.

There is no charge for your in-coming cards, just be sure you have a self-addressed stamped envelope (SASE) on file with the bureau or funds for the same, and tell your contact to 'QSL via the bureau'. The QSL cards may come through ARRL HQ, from DX stations to Canadian HQ or through DX bureaus and sometimes direct from individuals.

Jean Evans, VE3DGG, manages the bureau and Thelma Woodhouse (VE3CLT) is chief sorter. Other volunteers look after specific sorts of calls. Cards for stations with SASEs on file are usually sent out when 5 or 6 have accumulated. Usually 17¢ will take them First Class. Following are several helpful points on using your QSL service-

1. The suggested size of  $5\frac{1}{2}$  X  $7\frac{1}{2}$  envelope is to try to avoid folding larger cards sent by some operators.
2. PLEASE CHECK to ensure that you have printed your call CLEARLY on your envelope. Many forget their call and if they move, it is very difficult to locate them again
3. Allow minimum postage on your SASE, ~~XXXXXX~~ 17¢ for 1 oz First Class or 15¢ for 2 oz Printed Matter. Enclose a few extra stamps for extra postage if necessary.

4. If you wish every card as it arrives, let the bureau know and it will be recorded on your file - but be sure to keep adequate SASEs or postage on file.

5. If you move, let the bureau know immediately. Otherwise, your cards will go to your old address and the new occupant may not value them as you would or else they may return them with postage due which means added expense.

6. If you have any questions or complaints about your file, get in touch with Jean at (416)-665-8911 or Thelma at (416)-757-5593 or write to the bureau at Box 157, Downsview, Ontario, M3M 3A3.

Each sorter has a file set up for every call that they look after and they keep track of when cards are mailed out. They also try to let people know when their SASEs or funds are depleted.

Amateurs receiving QSLs but with no funds or SASEs on file do not help matters at all. Once a year an attempt is made to clear all the cards on hand. Some clubs and individuals donate postage for this. Some Amateurs send postage after they receive their cards but others ignore it without even a 'Thank You'.

Unclaimed cards (silent keys, moved-no-trace, not wanted, cancelled calls, etc) are eventually returned to the originating country through the CARF out-going system.

Hardworking volunteers include:

2-letter A-L	Murray Powell, VE3GZY, & Ruth,
2-letter M-Z	Helen Drake, VE3BLW (VE3ATP)
A calls	Harry Mabson, VE3BZ
B calls	Bob Kenny, VE3EWY
C & K calls	'Jo' Molloy, VE3IMS/GW4DWR
D calls	Pam & Bob Gorman, VE3BVG
E calls	Elsie, VE3LHW & Forbes, VE3EOD, Simpson
F calls	Gail Murray, VE3GBQ
G calls	Mary Hedges, VE3COH
H calls	Thelma Woodhouse, VE3CLT
I calls	Mary, VE3HDW, & Larry, VE3BQT, Wheatly
J calls	Miriam Ryman, VE3KCI
L calls	Dave, VE3HVR, & Audrey, VE3ILT, Cuthbert
Club calls	Linda Jane France, VE3VPH
Treasurer	Doris Cody, VE3BBO

In a future issue we will look at the CARF outgoing service and other aspects of QSLing. Be sure you have a SASE or postage on file with: The Ontario Trilliums ARC  
VE3QSL Bureau, Box 157  
DOWNSVIEW, Ontario,  
M3M 3A3

MISSISSAUGA EMERGENCY

Canada's mass evacuation in the wake of the midnight, Canadian Pacific RR wreck that released chlorine and burning propane gas in Mississauga brought invaluable communications assistance from area Amateurs. Almost 250,000 people were pulled out of the 60-square-mile area southwest of Toronto early the next day, and severe overloads of area telephone exchanges by concerned relatives and friends made phones unreliable despite restrictions to "emergency use only."

With public service channels well occupied with logistical problems and law enforcement, local Amateurs provided the only available link for health and welfare traffic. Two-metre stations in each of the 11 emergency shelters hurriedly set up in schools, community centres and shopping malls were responsible for reuniting many separated families and reassuring others of the safety of relatives and friends. The recently formed COMSONT net on 40(7195) and another net on 75 (3770) handled the longer haul traffic for the refugees, many of whom were kept away from their homes until later in the week.

At least 150 Toronto area amateurs took part, with two-metre repeaters VE3MHZ (Brampton) and VE3SKY (Weston) the principal conduits. VE3DBW (Hamilton) and VE3RSB (Burlington) also were on alert as backups. Amateurs coordinated the Canadian Red Cross with operation from the emergency shelters, hospitals and the Red Cross headquarters on a 24-hour, three-shift basis throughout the emergency.

One incident that received good press coverage was the reuniting of a deaf-mute couple by Amateur Radio after she had been evacuated while he was at church. Her note was passed to the amateur operator at her shelter and a QST over two-metres led to the location of her missing husband and the reassurance -- by sign language -- of each other's safety.

de The GroundWave, St. Paul  
/HR Report/ CARF News service

ARRL FILM

Award-winning Hollywood producer Dave Bell, W6QA, produced an ARRL promotional film, "World of Amateur Radio," which premiered 15 August in a studio of Los Angeles TV station KTLA. In its 30 minutes of running time, the film shows Amateur Radio's worldwide communications use in emergencies, disasters, public service and fun.

Attending the premiere were more than 200 guests who donated a total of over \$1400 in entrance fees to the ARRL WARC fund. They also enjoyed a spread of wine, fruit, cheese and cookies, donated by the Southern California DX Club and the FIFTY Club.

Bruce Alan Johnson, WA6IDN, ARRL's International Affairs Representative, who is also a delegate to the IARU, addressed the group about WARC and answered questions from the audience.

For nearly an hour, comedian Stu Gilliam, WD6FBU, kept the group of first-nighters in a state of hysterics with his wry and topical humour.

Roy Neal, K6DUE; Senator Barry Goldwater, K7UGA; Dick Van Dyke; Arthur Godfrey, K4LIB; Stu Gilliam, WD6FBU; Lenore Jensen, W6NAZ and H.M. King Hussein of Jordan, JY1, were among others who appeared in the film.

A particularly poignant segment of the film shows April Moell, W6OPS, using Amateur Radio at the St. Jude Hospital Rehabilitation Center in Fullerton CA as an aid in speech therapy for persons suffering stroke or brain damage.

The film was presented on the studio monitors via the station's film chain and a video tape was made. Bill Pasternak, WA6ITF, an associate producer of the film and a contributor to the script, has advised that video tapes can be made available in any format. Contact ARRL directors for film showings.

Film credits are also due Larry White, WB3JGJ, a film editor.

de Worldradio

The word "ham" as applied to Amateur Radio dates back to 1908 and was the call letters of the first amateur wireless station operated by some members of the Harvard Wireless Club. They were Albert S. Hyman, Bob Almy and Reggy Murray.

At first they called their station Hyman-Almy-Murray, but tapping out such a long name in code soon called for a revision. They thus changed their sign to Hy-Al-Mu, using the first two letters of each name.

Early in 1909 some confusion resulted between signals from amateur wireless HyAlMu and the Mexican ship Hyalmo. It was then that the boys decided to use only the first letters of each name and the call became HAM.

In the very early days of radio, amateurs operators picked their own frequency and their own call letters. Then, as now, some amateurs had better signals than some commercial stations. The resulting confusion and interference finally came to the attention of Congressional committees, and they in turn gave much attention to proposed legislation designed to critically limit amateur activities.

In 1911, Alber Hyman chose the controversial wireless legislation bill as his thesis topic at Harvard. His instructor insisted a copy be sent to Senator Davis A. Walsh, a member of one of the committees hearing the bill.

The Senator was so impressed, he sent for Hyman to appear before the committee. He took the stand and described how the little amateur station was built. He almost cried when he told the crowded committee room that if the bill went through they would have to close the station because they could not afford the license fees and all the other requirements that were set up in the bill. The debate started and the little ham became the symbol of all the little amateur stations in the country crying out to be saved from the manace and greed jof the big commercial stations that didnt want them around.

Finally, the bill got to the floor of Congress and every member talked about the poor little station HAM. That is how it all started and you will find the whole story in the Congressional Record. Nationwide, publicity associated radio station HAM with amateurs. From that day to this, and probably to the end of time in radio language an amateur is a ham.

de Worldradio  
/Sine of the Times, Indiana  
Co. ARC

FIRST VE DXCC-RTTY

Bruce Balla, VE2QO, was awarded DXCC-RTTY certificate number 12, the first Canadian to earn the award. Nine others went to W/K stations, one to Czechoslovakia, one to West Germany. Bruce is also President of The West Island ARC (Pointe Claire) and the Editor of the club Newsletter.

TORONTO SHOPPERS

Here is a list of bargain surplus stores for those who have occasion to visit Toronto:

- Dominion Radio, 535 Yonge, surplus parts, M-F 9-6, Sat to 5.
- Active Surplus, 345 Queen W, surplus parts, 10-6, Sat to 4.
- Arkon Electronics, 409 Queen W, surplus parts, 10-6, Sat to 4.
- Arkon Electronics Warehouse, 20 Beverley, opposite 333 Queen W, junk, M-F 12-5, Sat 10-2.
- Globe Electronics, surplus parts, 1925 Avenue Rd. Opens at 9:30.
- Radio Trade Supply, 490 Yonge, mostly new, M-F 9-6, Sat 10-5.

AROUND THE CLUBS

Peel ARC presented Santa Claus on the two-metre repeater for the fifth year. Santa was briefed in advance by postcard, giving descriptions of presents, names of children and the call sign used.

CENTENNIAL OF LIGHT

1979 marked the 100th anniversary of the invention of the incandescent light bulb by Thomas Alva Edison.

Edison's creation literally and figuratively illuminated the world. Throughout history there have been certain men and women whose genius have changed the world and our lives. Edison typified this group and his scientific genius had a direct bearing on the growth of today's electronics world, including radio, motion pictures and television.

In addition to the light bulb, his efforts included a system of electric power generation and distribution, the phonograph, motion picture camera and advances to the telephone and telegraph systems. While we fret about the rising cost of electricity we forget that the New England Puritan family would extinguish its single candle during prayers to conserve its use and that early settlers had to learn to make their own - a most arduous task.

"Immortality", said Edison, "is the genius to move others along after you yourself have stopped moving." Edison has done just that. He moved us from darkness to light, from the age of gas and steam to an age of advanced technological sophistication. Few individuals have touched so many lives on so many different fronts.

After several ventures and many patents some of them quite profitable, Edison moved to Menlo Park in 1876 and fitted out the most extensive laboratory in the world. He could draft up a new invention in the morning and have a working model back from his assistants by the evening.

In 1878, he perfected and patented his most lucrative device, the phonograph which he once described as, "This tongueless, toothless instrument, without larynx or pharynx, dumb voiceless matter, nevertheless mimics your tones, speaks with your voice, utters your words, and centuries after you have crumbled into dust will repeat again and again to a generation that could never know you, every idle thought, every fond fancy, every vain work that you choose to whisper against this diaphragm."

It was after this that development began in earnest of a practical electric light. Speaking of it later, he said, "The incandescent light was the hardest one of all; it took many years, not only of concentrated thought, but also of world-wide research." It was the first of many inventions which evolved into the power

systems we know today.

In all, Edison secured 1,093 patents and one subject, a nickel-iron alkaline electric storage battery alone required 40,000 experiments yet the man behind all this was a warm and sensitive human being who once explained his creative motivation thus, "Going without sleep more than the ordinary hours made me nervous, and the ideas flow in upon me with great rapidity." When one of his associates said to him one day, "We should give up. We have tried several thousand things that have failed." Edison replied, "Failed, no! We have learned several thousand things that do not work!"

Thomas Alva Edison died on October 18, 1931. He must have passed away a contented man for he once said, "If I have spurred men to great effort, if our work has widened the horizon of man's understanding even a little and given a measure of happiness in the world, I am content!" (VE3BYX)

REPORT OF THE NOMINATING COMMITTEE

The following members have indicated their willingness to stand for the positions indicated.

President: Paul Coverdale, VE3ICV  
V/President: Brian Summers, VE3JKZ  
Art Binch, VE3JGW  
(one to be elected)

Secretary: Dave Parks, VE3GSA  
Treasurer: John Gilbert, VE3CXL  
Directors: Sean Huntley, VE3HXP  
Jean Benoit, VE3JBQ  
Jim Swail, VE3KF  
Dave Hilborn, VE3JEX  
Fred Green, VE3IO  
John Mitchell, VE3DYJ

The position of Bulletin Editor is still open. This position can be filled at the January meeting without a prior notice of nomination.

From the list of Directors, three are to be elected.

Many thanks to those who willingly, or under duress, allowed their names to stand for office and also to those who indicated they would help 'ex officio' throughout the coming year.

Ray, VE3CUA  
Graham, VE3BYT  
Ken, VE3EER  
Harrie, VE3HYS

THERE IS SUCH A THING AS PROGRESS!

- the average Canadian today puts out twice as much in taxes as he formerly received in wages!!!

SANTA BY RADIO was another big hit at the Children's Hospital again this year. The effort was co-ordinated by Harrie, VE3HYS, but the list of operators is not available at this time. Good coverage was also provided by CJOH TV Ch 13 and many confined children had a happier outlook for Christmas because of it. Many thanks to Harrie for stepping in to do such a fine job this year.

"\$250 FINE FOR 'SUPER' RADIO" headlined the Windsor Star of Nov 21, 1979. While pertaining to GRS equipment, it indicated that DOC monitors are keeping a watch and applying the law where possible. The Star article reported that Rick Jones of Cole Ave pleaded guilty to unlawfully having apparatus to increase the transmitting frequency (did they mean power? Ed.) of his radio. Although the maximum penalty for the offense was \$2500, a fine of \$250 was imposed but equipment valued at \$900 and an amplifier valued at \$150 were forfeited to the Crown. We need to see more headlines like this. ~~HF~~ operation is coming dangerously close to the ten metre band, just tune down below 28.000 a few kHz and give a listen. What point were the recent WARC deliberations if flagrant violations continue unabated and unmolested? Jones' lawyer indicated he 'did not fully realize what the law was'. Is ignorance of the law a plausible excuse? Do we need better education programs? Perhaps the ability to read the regulations should be a prerequisite.

WE WISH A SPEEDY RECOVERY to Bob Sangster, VE3FB, who is having another stint in hospital and also to Maureen, VE3FZY, who is also recovering from surgery. Maureen has been ever faithful in keeping track of our indisposed members and goes out of her way to see that they are remembered while in hospital. We all appreciate your efforts Maureen and I know the patients do as well.

THE OARC DIRECTORY FOR 1959 (20 years ago) not only lists the membership but also the activities and equipment of some of the members and area Amateurs. You might be interested in the following:  
Ken, VESAF0 (now VE3LJ) was using 807s and an S-40 on 40, and a 2E26 and converter on other HF bands  
John, VE3ALK, was working 20 & 75 with a Harvey-Wells TBS-50 and an HQ-120  
Ken, VE3CCV, was using an 829B & AR-77

(1959 Directory supplied by Ken Pulfre, VE3PU) (VE3BYX)

THIS WILL BE THE LAST ISSUE of THE GROUNDWAVE with Yours Truly as Editor. As indicated in the November issue, I am giving it up after five years because of other commitments and interests which demand my attention. They have been a most enjoyable five years and very, very educational as concerns Amateur Radio and I feel honoured to have had the opportunity for this association with the OARC and its many members.

However, as yet, no one has said 'yes' to taking on the job. This should be a prime topic for discussion at the January meeting. Can the Club function without a bulletin? How much value does it serve as a notice for the upcoming meeting? Is it worth the effort to bring the monthly minutes, and thereby the activities of the Club, to the attention of every member.

Postage rates are an ever-escalating expense. The first issue I produced took 8¢ postage, the current one requires 17¢. If you had to choose between an increase in Club dues or the cessation of the Club bulletin, which would you pick?

The idea of a committee has been suggested and is probably a good idea as more people involved means less work and effort for all, but there would still need to be a co-ordinator to see that everything was done when it should be done. If this approach is adopted, would YOU be willing to do what you could to help? Be ready to stand up and be counted at the January meeting before you collect the Grand Prize Handi-Talkie.

I will restate the fact that I will assist the new editor or committee in whatever way I can so far as I am able or available. There is no denying that it takes a considerable amount of work but the rewards (non-monetary) are very gratifying. I have enjoyed it immensely.

73,

Carl, VE3BYX

Doug, VESCDC, was using an HT-19 and an R105 Stewart-Warner receiver  
George, VE3DIH, was using an 829B and converted 522 rcvr on 2 metres AM/CW  
Gord, VE3DY, was working 10 & 6 with 6146 & 815 rigs and mobile 10 & 6 with 2E26. Rcvrs were converted AR-2 & BC-454  
Jim, VE3KF, worked 20 & 15 with a home-brew xmr and a collins 75A3  
Ken, VE3PU, worked 10 AM mobile with a 616 and a Morrow converter

MEMBERSHIP APPLICATION 19 \_\_\_\_\_

OTTAWA AMATEUR RADIO CLUB INC., Box 8873, OTTAWA, Ontario, Canada, K1G 8J2

SURNAME \_\_\_\_\_ :COMMON \_\_\_\_\_ :CALL \_\_\_\_\_  
 ----- :NAME -----

ADDITIONAL NAMES/CALLS \_\_\_\_\_

IF FAMILY MEMBERSHIP \_\_\_\_\_

ADDRESS \_\_\_\_\_ :POSTAL \_\_\_\_\_  
 STREET/CITY/PROVINCE \_\_\_\_\_ :CODE \_\_\_\_\_

TELEPHONE \_\_\_\_\_ :TELEPHONE \_\_\_\_\_ :CLASS \_\_\_\_\_ ASSOCIATE ( )  
 (HOME) \_\_\_\_\_ : (WORK) \_\_\_\_\_ : AMATEUR ( ) ADVANCED AMATEUR ( )

ACTIVITIES (LIST BANDS WORKED)

CW \_\_\_\_\_ AM \_\_\_\_\_  
 SSB \_\_\_\_\_ RTTY \_\_\_\_\_  
 SSTV \_\_\_\_\_ ( ) \_\_\_\_\_  
 VHF/FM \_\_\_\_\_ PACKET RADIO \_\_\_\_\_

I AM A:	MEMBER	APPOINTEE	OFFICIAL	:	I HAVE A GAS/DIESEL GENERATOR
OF:	ARRL _____	_____	_____	:	YES ( ) NO ( )
	RSO _____	_____	_____	:	/ - - - - -
	CARF _____	_____	_____	:	I HAVE A 2-METRE HAND-
	RAQI _____	_____	_____	:	CARRIED PORTABLE
				:	YES ( ) NO ( )

MY MAIN INTEREST IN AMATEUR RADIO IS: ( ) HF ( ) VHF OTHER ( ) \_\_\_\_\_

MEMBERSHIP FEES: INDIVIDUAL - \$5.00 FAMILY - \$7.00

WHAT I WOULD LIKE TO SEE THE OARC INC. DO / NOT DO NEXT YEAR:

RECEIPT (To be filled out by applicant except for signature)

OARC INC. MEMBERSHIP 19 \_\_\_\_\_

RECEIVED FROM \_\_\_\_\_ AMOUNT OF \$ \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

Membership Chairman

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



FIRST CLASS MAIL  
 FIRST CLASS MAIL



: THE OTTAWA AMATEUR RADIO CLUB INC. BOX 8873, OTTAWA, ONTARIO, CANADA K1G 3J2 :			
: President	Larry Bradley	1377 Chartrand Ave., Orleans,	824-3753
:	VE3CRX	Ontario, K1E 1H9	993-3238
: V/President	Ray James	43 Ashburn Dr., Ottawa,	224-7243
:	VE3CUA	Ontario, K2E 6N4	
: Secretary	Marilyn Duncan	664 Farmington Ave., Ottawa,	521-3965
:	VE3JDS	Ontario, K1V 7H5	
: Treasurer	John Gilbert	714 Highland Ave., Ottawa,	729-2282
:	VE3CXL	Ontario, K2A 2K7	996-1491
: Directors	Ken Duncan	664 Farmington Ave., Ottawa,	521-3965
:	VE3EER	Ontario, K1V 7H5	
:	Bill Motherwell	711 Broadview Ave., Ottawa,	728-5348
:	VE3BY	Ontario, K2A 2M3	
:	George Roach	104 Strathcona Ave., Ottawa,	234-0885
:	VE3BNO	Ontario, K1S 1X6	233-6241
: Membership	Ken Pulfer	1756 Laxton Cres., Ottawa,	225-3108
: Chairman	VE3PU	Ontario, K2C 2F3	993-1992
: Net Manager	Larry Bradley	1377 Chartrand Ave., Orleans,	824-3753
: & Emerg. Comm.	VE3CRX	Ontario, K1E 1H9	993-3238
: Custodian &	Gerry Martin	1771 Hutton Ave., Ottawa,	731-3220
: Archivist	VE3CNJ	Ontario, K1G 1M1	
: Electro-Mag.	Bill Westbrook	1494 Ridgebrook Dr., Ottawa,	749-3373
: Interference	VE3EKA	Ontario, K1B 4K7	239-2685
: RSO Convention	Penny Robinson	1228 Agincourt Rd., Ottawa,	225-1276
:	VE3ERO	Ontario, K2C 2J2	
: Coffee	Brian Summers	2231 Hillary Ave., Ottawa,	523-1535
:	VE3JKZ	Ontario, K1H 7H7	993-2931