Rambler

OTTAWA VALLEY
MOBILE
RADIO CLUB
INCORPORATED

Vice President's Ramblings

Hi Folks:
As some of you folks may know, Barry is convalescing at home following some planned surgery; the operation went well and he should be back in business in several weeks. In the meantime, I will be conducting the April meeting at the OVMRC. If any of the club members have any questions regarding sales of the Power Pole project or coax cable supply and connectors, please be in touch with me until Barry is back on the job.

I hope folks enjoyed the presentation on advanced soldering techniques and equipment by Wayne Getchell, VE3CZO at the March meeting. Wayne is a home brew artist extraordinaire and has been designing and offering several sophisticated kits to Ottawa hams for many years. Now a hobby, his expertise comes from many years of honing his skills professionally at Nortel.

For our April meeting, Bryan Rawlings VE3QN will be giving a presentation on his work as part of the Canadian Delegation for the World Radio Conference 2019 happening this November. This year, the Conference will be

taking place in Sharm El Sheikh on the Red Sea, Egypt instead of Geneva. In preparation for the Conference, Bryan has been attending countless meetings working with officials at Innovation, Science and Economic Development Canada (ISED) developing position papers on matters concerning the amateur radio service. Bryan has been the special RAC representative for Canadian amateur interests for many years, through several four year WRC preparatory cycles, and was instrumental in bringing about several new international amateur radio allocations including the 472-479 kHz band and the 5351.5 to 5366.5 kHz band on 60 m that we are awaiting domestic authorization to operate with the soon- to-be released revision of RBR-4. Bryan's presentation should be of great interest to all.

We will also call on Michael VE3WMB to provide a brief update on the "Pico – Balloon" project and what transpired at the special meeting he conducted on March 26th.

Further at the May meeting, we want to touch on plans for a May transmitter hunt exercise and possible picnic with the hope that someone from the club membership will take charge, organize and stage the event.

We also plan

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Meeting Date

Wednesday

April 17th
7:00 P.M.

for Meet & Greet

Science and Technology Museum Studio 6

AGENDA

- **Presentation on World Radio Conference 2019 by Delegate Bryan Rawlings, VE3QN**

- **Michael, VE3WMB – Update for balloon project**

- **OVMRC Transmitter Hunt Exercise**

- **OVMRC – By Laws Proposed Revisions.**

Sponsors

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- **KENWOOD ELECTRONICS CANADA INC.**, Mississauga, ON

- **MAPLE LEAF COMMUNICATIONS** Web site: mapleleafcom.com/

- **METAL PROS,** *"The Small Quantity Metal Shop"* Ottawa, ON Web site: www.metalpros.com

- **RADIOWORLD TORONTO** Web site: www.radioworld.ca

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Ottawa Valley Mobile Radio Club, Incorporated PO Box 41145 Ottawa, ON K1G 5K9

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Submit articles to the editor or by e-mail to:

*Robert Cherry, VA3AOD
cw527@ncf.ca*

OVMRC Affiliations

to publish proposed revisions to the Club's By Laws for a membership vote at the May meeting.

Also, in this jam-packed edition of the Rambler, pay particular attention to Ken VE3EKN's initiative and article describing **"The Pot Hole Net's 60th Anniversary Rally"** and certificate awards. If this doesn't inspire folks in the Club to string up a 75 M antenna and check-in or at least, listen-in to our long lasting Sunday morning net at 10 AM on 3760 KHz, then I'm sure nothing will.

Lest I ramble too much, let's leave room for the rest of the Rambler content.

73
Norm ve3lc@rac.ca

Notice of Meetings

All at Studio 6, Science & Tech Museum
7 PM for Meet and Greet

Wednesday April 17th General Meeting

Agenda:

• Presentation on World Radio Conference 2019 by Delegate Bryan Rawlings, VE3QN

• Michael, VE3WMB – Update for balloon project

• OVMRC Transmitter Hunt Exercise

• OVMRC – By Laws Proposed Revisions

Wednesday May 15th General Meeting

Agenda:

• Preparation for Field Day 2019

• Membership vote on proposed Revisions to Club's Bylaws

Richard Murtick VE3RNM / VE3PD, SK

It is with great sadness we report the passing of Richard Murtick, VE3RNM/VE3PD of Orleans. Richard suffered a heart attack on March 21 and never regained consciousness; he died on

March 30th. Richard was active mobile and from home on local repeaters; he was an early user and promoter of Yaesu C4FM digital and Wires X networking. Besides amateur radio, Richard also had a passion for photography often hired to do weddings and special events. Richard was a regular for Friday morning coffee and conversations at McDonalds in Orleans with other local radio amateurs. The family invites friends to attend a remembrance gathering for Richard at the

Royal Canadian Legion, Orleans Branch, located on Taylor Creek Dr., Saturday April 13th from 1 to 4 PM.

Norm ve3lc

Contest Calendar

For all contest information goto:
 http://www.hornucopia.com/contestcal/

Apr 20 – 21 — Ontario QSO Party
 http://www.va3cco.com/oqp/rules.htm

May 11 – 12 — 50 MHz Spring Sprint
https://sites.google.com/site/springvhfupsprints/home/2019-information

May 25 – 26 — CQ WW WPX Contest CW
https://www.cqwpx.com/rules.htm

June 8 – 10 — ARRL June VHF Contest
http://www.arrl.org/june-vhf

June 22 – 23 — ARRL/RAC Field Day
http://www.arrl.org/field-day

The Wednesday evening Cross Canada Weekly C4FM is again hosted on VE3TWO

OVMRC members can again check into the Wednesday evening Cross Canada C4FM net on Club repeater VE3TWO 147.300 (+ offset) thanks to a remote Wires X connection provided by Steve VA3MPS. Steve will be engaging his node station onto the repeater Wednesday Evenings at 9:00 PM. The Net can also be accessed in the west-end of town using the Fusion repeater VE3DRE on 146.805 (– offset) owned and operated by Denis VE3BF who is the Net Control Station. All check-ins are welcome using the Yaesu C4FM digital voice mode.

Emergency Measures Radio Group: (EMRG)

Monthly Repeater Tests are conducted by Dave VE3KMV on the first Wednesday of each month at 8 PM on VE3OCE 146.880 MHz – (136.5 Hz tone). From initial contact on VE3OCE, you'll be asked to test VE3EMV/East 146.985 MHz – (100 Hz@ tone), VE3EMV/West 145.210 MHz – (123.0 Hz tone), VE3OFS 146.670 MHz – (136.5 Hz tone), VE3OCE 443.8000 MHz + 5 (136.5 Hz tone) and VE3EMU 444.9500 + 5 (136.5 Hz tone).
It is advisable that all the EMRG frequencies be programmed into your radio. All check ins are welcome.
See: http://www.emrg.ca/repeaters.htm

OVMRC Repeater VE3TWO :

 *147.300 MHz +600 kHz, 100 Hz Tone
  and Yaesu C4FM Digital Voice*

VE3TWO Scheduled Nets:

• **Thursday Evenings, 8 PM**, Club Net on FM conducted by Ken, VE3EKN.

• **Sunday Evenings, 8 PM**, Ottawa C4FM Digital Voice Round Table Net.

Other Local 2 Metre Repeater & Simplex Nets: *(all check-ins welcome)*

• **Rubber Boot Net**, VE3MPC 147.150 ++, (100 Hz tone) mornings at 7:30 AM conducted by Mike, VA3TJP

• **Phoenix Net**, VE3MPC 147.150 Mhz +, (100 Hz tone), Tuesday evenings at 8:00 PM conducted by Pete, VE3XEM

• **QCWA Chapter 70 Net**, VE3MPC 147.150 MHz +(100 Hz tone), Monday evenings at 7:30 PM conducted by John, VE3ZOV

• **Capital City FM Net**,VE2CRA 146.940 MHz -, (100 Hz tone), Monday evenings at 8:00 PM.

• **Champlain Mini Net**, VE3STP 147.060 MHz -, (114.8 Hz tone), every evening at 6:45 PM.

• **Upper Frequency Net**, Simplex 144.250 MHz using USB, Tuesdays evenings at 9:00 PM conducted by Glenn, VE3XRA. Following check in on 2 m you can check your radios on 6 m at 50.150 MHz and 70 cm on 432.150 MHz as well using USB. All check ins are welcome.

OVMRC HF Nets

• **Pot Hole SSB Net,** 3760 kHz, every Sunday morning at 10:00 AM conducted by Ernie, VE3EJJ, or Glenn, VE3XRA..

• **Pot Lid Slow Speed CW Net**, 3620 kHz, every Sunday morning at 11 AM conducted by Roger, VE3XRR.

Informal Amateur Radio Restaurant Gatherings (All are welcome)

- **QCWA Chapter 70** breakfast gathering every **Tuesday** morning at 7:30 to 10:00 AM, Summerhays Grill, 1972 Baseline Rd., Nepean

- **Orleans Coffee gathering** every **Friday** morning at 9:00 AM, McDonalds, 2643 St. Joseph Blvd, Orleans

- QRP **Group Dinner** meeting, **2nd Wednesday** every month, 5 PM, Newport Restaurant, 322 Churchill Ave N., Ottawa

- **Phoenix Net monthly Breakfast** gathering, usually the **second Saturday** every month at 9 AM, T-Basil Restaurant, 2440 St Joseph Blvd, Orleans. (get on Pete VE3XEM's mailing list for monthly reminder VE3XEM@RAC.CA)

ISED Releases Radio Standard Specification RSS-246 Ultra-Low Power (ULP) Wireless Medical Capsule Endoscopy Devices Operating in the 430-440 MHz Band.

This is something new that Radio Amateurs operating in the 70 cm band should pay attention to:

Innovation, Science and Economic Development Canada (ISED) has released a new RSS (Radio Standard Specification) covering and Ultra-Low Power wireless medical capsule endoscopy devices that facilitate the observations of the human gastrointestinal tract (from top to bottom). The capsule is a camera, flashing light, and radio transmitter assembly intended to be swallowed by the patient that wirelessly transmits the images to an externally worn data (DR) recorder receiver. Thereafter, the images may be transferred from the DR to a computer for examination. The capsule-camera may take a day or more to pass through the entire GI tract transmitting and recording all the way before it exits the body.

The RSS document says the devices operate on a no-protection, no-interference basis.

Since these devices operate on the same UHF frequency allocation shared with radio amateurs. Hams should exercise special caution not to use their 70 cm radio if they or others in proximity sharing the same living space are prescribed such an examination using the swallowed capsule camera devices and body worn receivers lest the test be ruined by in-band interference.

RSS-246 can be downloaded from: https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11493.html

Norm VE3LC

ISED Instructs Fleetwood Digital to Cease and Desist selling non-certified Radio Equipment.

Folks may have read my article in the February Rambler about "Radio Equipment Regulatory Standards and Certifications". A slightly abbreviated version of the same article was also re-printed in the March-April Issue of TCA magazine. Essentially, my article focused on the requirement that 2-way radio equipment must meet certain Canadian regulatory standards and certifications to be legally marketed in Canada unless it is restricted to operation on amateur radio allocations and therefore exempt from certification. Amateur Radio equipment exemption from certification applies not only to transmitting but also receiving. If the receiver section of the ham band transceiver can also receive outside the amateur bands and if its operation is defined as an Analogue Scanner Receiver then certification is also required under ISED Radio Standard Specification "RSS-215".

Well it now seems that ISED is getting serious about enforcing these requirements and has come down on Vancouver retailer Fleetwood Digital. Fleetwood has been instructed to cease and desist the selling of a good many of their radio products that did not meet the Canadian Radio Standard Specifications certification requirements for the land mobile service. This included a good many products that were also sold to the amateur radio market since

the radios in question also cover the VHF and UHF amateur bands. Fleetwood's product lines of radios are now limited to properly certified radios or radios that that are restricted to transmitting and receiving exclusively on the amateur bands.

This was all revealed by a posting by Bill Dick of Fleetwood Digital, February 26th, 2019, found at: https://www.fleetwooddp.com/blogs/news/where-did-all-the-radios-go

The author of the post gave permission to share the following which we reprint as follows:

Norm ve3lc

WHERE DID ALL THE RADIOS GO?
Posted by **Bill Dick** *on* **Feb 26, 2019**

As of February, 2019, returning customers may notice a considerable decrease in the offerings from Fleetwood Digital. While Fleetwood Digital has always been at the forefront of offering and selling radios that were suitable for the Amateur Radio market the emergence of easy to use end user programming software that is feature rich has come under question from Industry Canada / ISED. The following will help to provide greater context into the situation, and what Fleetwood Digital is doing to remain alive and well.

Radiocommunication Act - Prohibitions
4 (1) No person shall, except under and in accordance with a radio authorization, install, operate or possess radio apparatus, other than

(a) radio apparatus exempted by or under regulations made under paragraph 6(1)(m); or

(b) radio apparatus that is capable only of the reception of broadcasting and that is not a distribution undertaking.

For example an AM/FM radio, CB Radio, GMRS Radio, Ham Radio with Amateur Certificate, Land Mobile Radio with appropriate license, etc...

(2) No person shall manufacture, import, distribute, lease, offer for sale or sell any radio apparatus, interference-causing equipment or radio-sensitive equipment for which a technical acceptance certificate is required under this Act, otherwise than in accordance with such a certificate.

For example, an uncertified radio cannot be sold for use on the logging roads, or any other frequency. - The radio you have ordered from your favourite auction site / marketplace may be a good example!

(3) No person shall manufacture, import, distribute, lease, offer for sale or sell any radio apparatus, interference-causing equipment or radio-sensitive equipment for which technical standards have been established under paragraph 6(1)(a), unless the apparatus or equipment complies with those standards.

For example, an uncertified radio cannot be sold for use as a ham radio unless it complies with the ham radio standards. - A radio that will only operate within the ham band (144-148 / 430-450) is a good starting point.

https://laws-lois.justice.gc.ca/eng/acts/R-2/page-2.html#docCont

Exemption of Radio Apparatus Operated in the Amateur Radio Service

15.3 A radio apparatus that is operated in the amateur radio service at a mobile or fixed station is exempt from subsection 4(1) of the Act, in respect of a radio licence, if

(a) a person who operates the radio apparatus is an individual who is the holder of one or more of the certificates or licences referred to in section 42; and

(b) the operation of the radio apparatus in the amateur radio service is in accordance with the technical requirements referred to in section 45.

Section 45 references RBR-4 which contains the standards for the amateur radio service, including the exact frequencies an amateur radio must stay within. If a radio can stray outside the ham frequencies, including just to RX, and it is not certified for the outside frequencies, it may be offside! - Many ham radios produced by the "big 3" have IC certification to RX on the frequencies outside of the ham band. Most of the Chinese radios do not have this certification.

https://laws-lois.justice.gc.ca/eng/regulations/SOR-96-484/FullText.html

RSS-Gen - 6.4 External controls (This is what really has upset the apple cart!)

The device shall not have any external controls accessible to the user that enable it to be adjusted, selected or programmed to operate in violation of the regulatory requirements, including RSS-Gen and the applicable RSSs. Furthermore, information on internal adjustments, reconfiguration or programmability of the device which would in any way enable or cause the equipment to operate in violation of ISED requirements must be made available only to service depots and agents of the equipment supplier, and not to the public.

The radio must not be programable by the end user except for radios capable of only transmitting within the amateur radio bands. Using programming software to allow the radio to operate (TX or RX) outside of the ham band is a potential violation of the radiocommunications act.

http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08449.html#s6.4

BUT…. I'm an advanced amateur, I can build and operate my own equipment!

Yes, but the equipment must operate within the scope of the RBR-4 amateur radio operating standards, which states the band limits of amateur radios. If the radio is capable of operating on bands other than listed it is in potential violation. You cannot build a radio that will operate on all frequencies including those outside of the ham band.

Yes the rules are hard to follow and loop back and forth and circle

one another. They make references to points that reference other sections, that seem to reference back to the beginning. This is also only an excerpt designed to provide some context. While we appreciate your support, we are not in a position to bring back radios that we have ceased and desisted in importing and selling because of how you interpret the law, or what you have watched on YouTube :) If you wish to hire a lawyer to represent 8374350 Canada Inc. in a court of law we may revisit this decision.

So what does that mean?

Regardless of license class, because software exists, for example Chirp, that allows a number of radios to be programmed outside of the amateur bands, the radios are no longer allowed to be imported, or offered for sale.

The above is Fleetwood Digitals interpretations of the laws and regulations that are linked to. We have had multiple meetings over the last month with Industry Canada / ISED to go over these to ensure our understanding is correct. Please excuse any Errors and/or Omissions.

So what does this ultimately mean for Fleetwood Digital?

Fleetwood Digital is still very much in business. Adapting to market trends and conditions is what every business must do to remain relevant and vibrant. Fleetwood Digital has sourced new Wouxun and Helida models for 2019 that fully adhere to the laws and operational standards that have been set forth. As new models are

introduced from Baofeng, Wouxun, TYT, Helida, and others, we will look to add them to our lineup providing the radios and programming comply with all laws and regulations.

Your support and understanding of our decisions and direction are most appreciated.

Feel free to share this post with those who will find it of interest. Given the nature of the topic, any questions you may have, should be directed towards Innovation, Science, Economic Development of Canada to avoid any further misinformation being passed around. I am not an authority or an expert in this field, just simply a family man trying to support his family. - https://www.ic.gc.ca
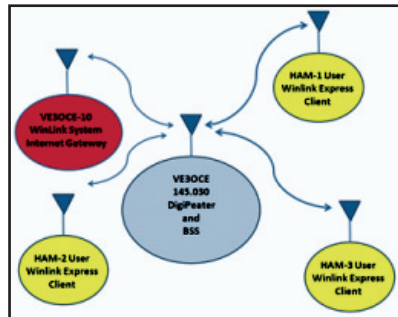
SHOP OUR PURE AMATEUR HAM RADIO MODELS HERE!

73s Bill, VE7IKX

Winlink Express Radio E-Mail Client

At the March meeting I gave a brief working demonstration of the Winlink Express radio email client working over the 2 metre packet radio system operated by the Emergency Measures Radio Group (EMRG) here in Ottawa. The demonstration successfully sent and received emails to a few of the OVMRC member's cell phones in the audience. The EMRG packet radio system works on 145.030 MHz and consists of an AX25 digipeater located at the Fire Dispatch facility on Randall Ave near Alta Vista. The digipeater TNC and radio that operates under the call sign VE3OCE also provides a Bulletin Board service for message handling EMRG activities. The packet digipeater shares the same antenna as the EMRG voice repeater VE3OCE operating on 146.880 MHz (-). Also operating on packet frequency 145.030 is a Winlink-to-internet gateway server computer hosted at the home QTH of Peter Gamble, VE3BQP; the gateway operates under the call sign VE3OCE-10

and provides the required connectivity to the Winlink email servers, several in the world that are mirrored for redundancy.

Winlink Express can work with a packet TNC (terminal node controller). However since TNC hardware is now hard to come by except on the surplus market, the alternative is to use a Tigertronics Signal link USB to perform the raw "modem" function in conjunction with software doing the "high level data link control" (HDLC) of the AX25 protocol; this software is "Soundmodem" by UZ7HO with downloads available from: http://uz7.ho.ua/packetradio.htm

For a complete configuration tutorial video of the "Soundmodem" software used together with the Winlink Express application, go to: https://www.winlink.org/content/using_sound_modem_tnc_vhf_packet_winlink_express_video_how_to

Of course new radios such as the Yaesu FT-991 come with sound card hardware already built-in, therefore there is no need for an external SignalLink USB. USB connection of radio to computer running Soundmodem and Winlink Express is all you need to make it work again with proper configuration.

Any queries getting this working?

Norm ve3lc@rac.ca

The Pot Hole Net's 60th Anniversary Rally

As has been mentioned a few times throughout this club season, we will be commemorating The Pot Hole Net's 60th year in 2019. This is a remarkable milestone by any standard.

Members of the OVMRC's founding group had been using 3760 kHz for their nets on a regular basis for some time before the conception of the club, so the frequency itself has quite a history of activity in the Ottawa area. Not long after the establishment of the club, the net was formally named in May of 1959.

In celebration of the net's 60th anniversary, we will be holding a **six-net rally** that will give qualifying participants a chance to earn one of three levels of certificates. The rally will start with the PHN on Sunday April 21st and run through to Sunday May 26th.

Highest Level Participation certificate (≥ 5/6)

- Awarded to an amateur who checks into five or more of the qualifier nets.

- Must be acknowledged and recorded by net control.

- Check-ins may only be relayed-in by a station already on the roster.

- Can be fixed station, portable or mobile.

Enthusiastic Participation certificate (≥ 3/6)

- Awarded to an amateur who checks into at least three of the qualifier nets.

- Must be acknowledged and recorded by net control.

- Check-ins may only be relayed-in by a station already on the roster.

- Can be fixed station, portable or mobile.

Check-ins will be recorded in the usual manner by our regular NCSs, VE3EJJ and VE3XRA, and verified against a second register recorded by the Radio Operations Chairman, VE3EKN.

Not everyone has the space or ability to deploy a resonant antenna for 80m. We are aware that a few hams, as well as others, listen along on Sunday mornings and this is the idea behind the SWL Qualifier certificate.

SWL Qualifier certificate (≥ 3/6)

- Awarded to a listener who reports on at least three of the qualifier nets.

- Must correctly report the check-in roster in any order.

- Reported roster shall include the net control station.

- Equipment used or method of reception to be reported.

- Must report by email within 24 hours of the net's completion.

- Use of web based SDRs is approved.

- A good faith trust system, representative of amateur radio, will be observed.

- Please send reports to ve3ekn@gmail.com

In recent weeks band conditions have not been easy on Sunday mornings as we transition into spring and summertime propagation on 80m. However, that is the challenge and part of the fun. Throughout its long history, the PHN would certainly have worked through similar trials.

Ottawa Valley Mobile Radio Club's Pot Hole Net – 3760 kHz, Sunday mornings at 10 AM local.

Samples of the certificates will be displayed at the next club meetings. Award certificates will be presented at the OVMRC's AGM in June. Those that cannot be picked up in person will be mailed out.

The Pot Hole Net is an important part our club's history and deserves to be recognized in an active fashion. It will be fun to see how this event plays out.

Any questions concerning **The Pot Hole Net's 60th Anniversary Rally** can be sent to: ve3ekn@gmail.com .

Good luck to all participants!

Ken VE3EKN

Meeting Minutes

Date / Time: Wednesday, March 20, 2019. 19:30

Location: Canada Science and Technology Museum, Ottawa, Ontario.

1. Call to order:
The President, Barry Allison, VE3NA called the meeting to order at 19:29. There were 44 in attendance including two guests and one new ham.

2. Approval of minutes from previous meeting:
MOTION: Moved by Tim Bailey, VE3TXB and seconded by Bill Henderson, VA3HWA, that the minutes of the previous meeting held Wednesday, February 20, 2019, be approved.

VOTE: All in favour.

CARRIED.

3. Greetings:
Two guests included our speaker, Wayne Getchell, VE3CZO, and the other being Marie Gauthier (no call sign as yet). There was also one new associate member in attendance, Hendrik Guerra, who is currently doing self study for his ticket. Barry welcomed everyone.

4. Agenda and Meeting Content:
Barry Allison, VE3NA outlined the agenda for the meeting.

5. Announcements, Projects and Events:

A) Announcements:
Barry Allison, VE3NA, had several reminders for Members.

i. Check out and enroll in Groups IO. Log in to keep up to date on ham activities within OVMRC.

ii. Membership Dues - **VERY IMPORTANT**. A slew of Member Benefits is available including club workshops, "Freebees", discounted pricing on materials such as Coax purchases and of course, the year-end attendance draw for the MFJ Antenna Analyzer, valued at $550. In order to access these benefits, Members MUST be paid up and in good standing. If you have not paid your 2018 OR current year 2019 dues yet, please do so.

iii. Powerpole Splitter Modules - Barry advised that after a false start on the boards, the splitters are now ready and will be available at tonight's meeting. The cost is $25 for the deluxe model, which includes a Basic module FREE.

B) Haves:
Barry Allison VE3NA, announced that tonight he has 3 coax jumpers available, made up of LMR400 and LMR 195. In addition, there is a pack of various coaxial adapters. The collection is to be auctioned as a single package to the highest bidder. Wray Jacques, VA3EO won the auction with a bid of $46 toward the club's coffers.

C) Wants:
An operations handbook has been requested by VA3HBL, Richard Haberl. Norm Rashleigh, VE3LC will follow up with him.

D) Contacts:
Norm Rashleigh, VE3LC, has been making several contacts on FT8. Most recently with Australia at 30 watts on 80 m.

E) Event Activities for the Year –
Check the Rambler newsletter published monthly on Club's Web site. There is a link in the Rambler for upcoming contests and event activities. Please log in and review. The Emergency Repeater Frequency tests

happen on the 1st Wednesday of every month on VE3OCE. The necessary CTCSS Tones are also available in the Rambler.

After tonight, there are 3 remaining get togethers. Special meeting activities to come will include Check Your Rig, Mini Flea Market, Transmitter Hunt, Field Day organization session, and Lighthouse on the Air.

F) Projects: UPDATE –
Balloon Project

Michael Babineau, VE3WMB/VA2NB.

Michael VE3WMB updated members on the Club Project, 'High Altitude Balloon (HAB) Launch' called 'Project Aries'. Groups IO now has 17 subscribers signed onto ARIESHAB, the subgroup.

Hardware - The Beacon is fully functional and the Beacon code is now called "ORION". The project total expense to date remains $24.92.

What's Next? - A meeting of the subgroup is scheduled for Tuesday, March 26 at 6:30 PM at the Museum. The project presentation with updates is viewable on Groups.IO under OVMRC. Once logged in, the project update link is available to view.

https://ovmrc.groups.io/g/main/files/Aries%20Balloon%20Project%20Monthly%20Update%20Slides/Project%20Aries%20-20OVMRC%20update%20Mar%202019.pdf

G) Feature Presentation -
Soldering Tips by Wayne Getchell, VE3CZO

Wayne Getchell, VE3CZO presented several slides on soldering tips and tools. He covered tips, safety concerns, work station set up, products, tools, costs and process. The slide presentation is available on OVMRC Groups.IO

https://ovmrc.groups.io/g/main/files/SolderTips4.pptx

Barry, VE3NA thanked Wayne and presented him with an OVMRC coffee mug.

H) Show and Tell –
Patrick Brewer, VE3KJQ – QRP antenna kit

Pat shared his recent purchase from the website, QRPguys.com The antenna kit is an 80 M vertical QRP antenna, rated at 25 watts. Cost was $20 US, but does not include the radial wire. Also purchased was a CW Code Practice kit for $20 US.

I) Nets and Operations –
Ken Evans, VE3EKN

Ken summarized the spring plan for observing the 60th year of operations of the Sunday morning Pothole Net at 10 AM on 80 M at 3760 kHz. For this milestone, a special certificate will be awarded for those hams checking in. The 6-qualifying net sessions will run as a 'rally' format starting April 21st running throughout May. Certificates will be presented at the June meeting of the OVMRC. More details will be posted on the OVMRC website and Groups.IO

J) Mini Presentation –
Packet Radio by Norm Rashleigh VE3LC

Norm, VE3LC demonstrated how packet radio works on the 2 M FM band using a Tigertronics Signalink USB external sound card with his Yaesu FT817 QRP rig. Norm demonstrated Winlink Express radio email client, a free software download, using the local 2 metre packet Winlink gateway VE3OCE-10. Local packet access is on 145.030 MHz "via" the VE3OCE digipeater. Once configured, hams that access the Winlink.org system and send and receive email messages., Using the system hams are automatically assigned an email address (their call sign) @winlink.org . Winlink Express can also operate through HF gateways (using the built in Winmor protocol) on several frequencies and bands. For operation on 2 metre packet with the Signalink USB, no packet TNC is required by using the free packet sound modem software available from UZ7HO at http://uz7.ho.ua/packetradio.htm

A configuration video is available at:

https://www.youtube.com/watch?v=RF0OMNZCEVA. Norm will prepare a review summary for the upcoming Rambler newsletter.

6. *Prizes and Draws:*
Various door prizes were drawn and the 50/50 draw for $44.50 was won by Douglas King, VE3YDK.

7. *Upcoming contests:*
For detailed information on upcoming contests, see the WA7BNM Contest Calendar at

http://www. hornucopia.com/contestcal

8. *Adjournment:*
MOTION: Moved by Frank Fullum, VE2KOI, that the meeting be adjourned.

The meeting was adjourned at 22:00.

9. *Next meeting:*
The next business meeting of the OVMRC will be held Wednesday, March 17, 2019 at 7:30 at the Canada Science and Technology Museum, 1867 St Laurent Blvd, Ottawa, ON K1G 5A3.

Minutes recorded by:
Ron Smith, VE3LBU, OVMRC Secretary

Pictures from our March Meeting
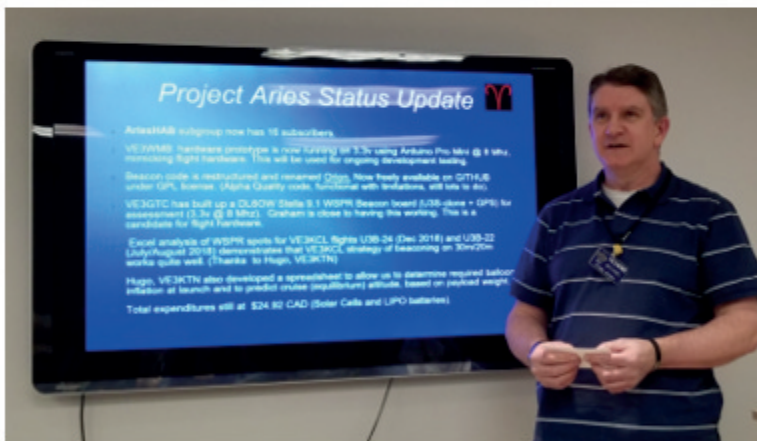
Taken by Dave VE3ZZU

Wayne VE3CZO giving his detailed presentation on Soldering.

Don VA2EEK using the Club's Power Pole Crimping Tool.

Michael VE3WMB giving his update presentation on the pico-balloon Project Aries.

Norm VE3LC's spectrum analyser being used to test Ron VE3LBG's homebrew 40 m CW rig for spectral purity at the March meeting. A few odd bumps were noted.

OVMRC Net Activity, Check-ins during the last month

Prepared by: Ken Evans, VE3EKN

OVMRC 2 Metre Net, VE3TWO 147.300+ 100 Hz tone, Thursdays 8 PM local

February 28	March 7	March 14	March 21	March 28
VE3BF	VA3ZTF	VA3ZTF	VE3RUU	VE3RUU
VA3SPV	VE3LC	VE3DHE	VE3QSO	VA3ZTF
VE3KAE	VE3NA	VA3ZZW	VE3HVB	VE3KAE
VE3LC	VA3RLA	VE3KTN	VE3KAE	VA3RLA
VA3RLA	VE3KTN	VA2EEK	VE3LC	VA3DEF
VE3RKB	VA3DEF	VA3RLA	VA3RLA	VA3EO
VE3NA	VE3GIQ	VA3DEF	VA3JPX	VA3ZZW
VE3ZZU	VA2EEK	VE3NA	VA3DEF	VE3ZZU
VE3GIQ	VE3LBU	VE3LBU	VA3SPV	VE3LBU
VE3LBU	VE3SGG	VE3ZZU	VA2EEK	VE3KTN
VE3RUU	VE3ZZU	VE3LC	VE3LBU	VE3VIG
VE3VIG	VE1AS/VE3	VE3RXH	VE3ZZU	VE3SGG
VA3AOD	VE3TXB	VE2OCQ	VE3RXH	VE3NPO
VE3YDK	VA3JYK	VA3AOD	VE3NA	VE3GIQ
VE3HVB	VE3KAE	VE3KAE	VE3KTN	VE3LC
VA2EEK	VE2BJZ	VE3VIG	VE3NPO	VE3EKN
VE3NPO	VE3RKB	VE3RKB	VE3VIG	
VA3ORL	VA3AOD	VE3HVB	VE3GIQ	
VE3EKN	VE3VIG	VE3EKN	VE3EJJ	
	VA3BGO		VA3AOD	
	VA3ORL		VA3ORL	
	VE3NPO		VE2BJZ	
	VE3EKN		VE3EKN	

OVMRC POT HOLE NET 3760 kHz SSB Sunday mornings at 10 am local

March 3	March 10	March 17	March 24	March 31
VE3BAE	VE3BAE	VE3EJJ	VE3BAE	VE3EJJ
VE3BF/M	VA3ZTF	VE3NPO	VE3XRA	VE3KTN
VA3ZTF	VE3LC	VE3EKN	VE3LC	VE3EKN
VE3EJJ	VE3KTN	VE3XRA	VE3BF	VA3BGO
VE3LC	VE3XRA		VE3KTN	VA3ZTF
VE3NA	VE3EKN		VE3EKN	VE3LC
VA3BGO	VA3BGO		VA3BGO	VE3NPO
VA2GN	VE3NPO		VE3EJJ	VE3XRA
VE3EKN	VE3EJJ			
VE3XRA				

MEMBERSHIP FORM

Ottawa Valley Mobile Radio Club, Incorporated
PO Box 41145
Ottawa, ON K1G 5K9

- ✓ The membership year starts 1 September, and runs until 31 August of the following year.
- ✓ Regular membership is open to licensed amateurs.
- ✓ Associate membership is open to all unlicensed radio enthusiasts.
- ✓ Membership includes a digital subscription to the club newsletter, the OVMRC Rambler.

NEW ☐   **RENEWAL** ☐   **UPDATE/CHANGE** ☐

Please print legibly

Call Sign	Surname	Perferred first name

Street		Apartment

City	Province	Postal Code

Home/primary phone	Work/other phone	E-mail address

Are you a member of Radio Amateurs of Canada (RAC)?   Yes / No

RAC ID: Expiry (YYYY-MM-DD):

Do you wish to order an OVMRC name tag? (+$12.00)   Yes ☐   No ☐

Callsign for name tag	Name for name tag

Full Membership (Not a Member of RAC) $35.00/yr ☐
Full Membership (RAC Member) $25.00/yr ☐
Associate Membership (Unlicensed) $25.00/yr ☐

Amount Enclosed
$ _____
Cheque / Cash

Circle your interests

Bands	Modes	Building	Other
Microwave	CW	RX	Teaching
UHF	Digital	TX	Speaking/Presenting
VHF	Phone	Antennas	DF/Fox hunting
HF	EME	Test equipment	Contesting
LF and below	Satellite	Other	DXing
	Experimental		Computers/IT
			Other

Signature   Date

_____   _____

Initials

By initialing this box, I confirm that I consent to receiving e-mail messages from the Club.