BARG News

Ballarat Amateur Radio Group
Inc. #6953T

November 2022 Monthly Newsletter

Next Meeting

7:00pm, Friday 25th November 2022

At the Airport

All Welcome

Contacting us
You can e-mail the secretary

vk3bml@barg.org.au
We're on the web
www.barg.org.au
https://twitter.com/vk3_barg
https://www.facebook.com/groups/VK3BML/

FUTURE EVENTS

Saturday December 3rd, Bunnings Delacombe.
   Sausage Sizzle club fund raiser.
   Volunteers for the day, let organisers know at the November General Meeting.

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   There will be no General Meeting in December, however a club BBQ is being organised date to be set at the November General Meeting.
Next 2023 General Meeting, 11:00 am January Saturday 28th 2023.

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   Evening Dinner at Royal Mail, Sebastopol, Friday 16th December.
   BARG will subsidise each lady $10.00 at this meal in thanks for their contributions to the club throughout the year.

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   Elsewhere in this edition of the newsletter is a form that the committee would like you to fill out to help keep our membership record up to date.
   Please copy and fill out this form, or supply the information in an e-mail to club Secretary Mal, VK3OAK, mjw.email@gmail.com

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   There are available on the BARG website scanned copies of old BARG Newsletters.
   Colin VK3NCC with the copies supplied by Craig VK3KG has been scanning them and adding to the collection on the website.
   Great job…..

Club Nets: VHF NET: Every Tuesday Night at 8 pm on 146.750 MHz - VK3RBA
HF NET: Every Thursday Night at 8 pm on 3.608 MHz - VK3BML
6m NET: Every Tuesday Night at 8:30 pm on 53.650MHz RX / 52.650MHz TX - FM with a 91.5 tone - VK3RWU
BEACONS: VK3RMB 432.536MHz & 1296.536MHz
REPEATERS: VK3RWA - 147.100, VK3RBU - 438.475, VK3RPC - 144.750, VK3RBT - 146.650
VK3RBA, Mount Buninyong - 146.750 & 439.275 & 1273.925
VK3RBA and VK3RWU on Mt William, VK3RCU on Mt Moliagul, VK3RBH in Geelong and VK3RAD in Mitcham are linked.
All on 70cm.
VK2RWB, Mt Gwynne added to the linked system.
The system can be accessed via IRLP node 9503.

2022 Spring VHF-UHF Field Day

Spring 2022 Event dates and times:
Saturday 26th and Sunday 27th November
Duration, all call areas other than VK6: 0100 UTC Saturday to 0059 UTC Sunday
Duration in VK6 only: 0400 UTC Saturday to 0359 UTC Sunday

https://www.wia.org.au/members/contests/vhfuhf/documents/2022%20Spring%20VHF-UHF%20Field%20Day%20Rules.pdf

ACMA proposals on Class Licensing
WIA Exposure Draft and Survey

The Working Group developing the Wireless Institute's response to the ACMA's current consultation on amateur licensing has completed an Exposure Draft on the ACMA's Proposed amateur class licensing arrangements and higher power operation, which is published on the WIA's website, here. Link

The **WIA's Exposure Draft** provides a thorough analysis of the issues raised by the ACMA in its consultation paper and sets out the Institute's comprehensive responses, both where support is warranted and where disagreement is justified.

In addition, the Working Group has completed developing a carefully targeted survey to gather feedback on the WIA's proposed responses to the ACMA's proposals and the questions it asked.

Last night, the 13th of November, the WIA membership was sent an email titled, **"WIA Member Survey on the "ACMA Amateur Class Licence & Higher Power Consultation."**
The email includes links to the WIA Exposure Draft and survey.

Further, the WIA is asking those in the Australian radio amateur community who are non-members to register, join-in and have your say in the WIA's survey. You can register by sending an email to this address **register@wia.org.au** Putting just your call sign in the Subject field as this is used to reference the ACMA RRL Database.
(Or your full name if you are not licenced)

Following registration, your email address will be deleted for privacy reasons.

The survey closes on Tuesday 22 November.

This gives the Working Group a week to analyse the survey results and prepare the WIA's final response to the ACMA's licensing proposals.

Interesting WIA online meeting with regard to the ACMA Proposal.
https://www.youtube.com/watch?v=kEFLPiaCNpA

HAVE YOU BEEN HEARING SOME WEIRD NOISES ON VK3RBA 2m ON A MONDAY EVENING?

Some of the local operators have been experimenting with EasyPal.

EasyPal is a form of SLOWSCAN that uses digital rather than analog levels to send video information.

Next issue I hope to have some information about EasyPal, but here are some of the results between Chris VK3AML in Melbourne and Ian VK3AXH, Peter VK3PWG and Ian VK3IDL here in Ballarat.

VK3PWG-Mon-31/Oct/22--23:02hrs--B/2.4/Hi/16/Lng

SK Peter Williams, VK3PJW.

As you are aware, our fellow (recently licensed) Amateur and my long-time friend Peter Williams (VK3PJW) passed away late last month in Werribee Mercy Hospital. His health had taken a sudden significant turn for the worst over the previous few days.

This is especially sad for Peter's elderly parents as they have now out survived both of their children. Peter's sister died a few years ago. As a child, Peter was an Air Force Brat.

He and his sister lived for a time in Malaysia/Singapore when his father was posted there.

Peter spent his working life driving trucks and tour buses, a job he dearly loved.

He became involved with the VKS-737 Radio Network years ago and subsequently volunteered as a Base Operator. In that role he was very popular with callers and made new friends as a result. He loved travelling the country and did so until the Pandemic put a stop to that.

I remember that he was devastated when he had to give up his driving career because of his weight gain. Recently he'd developed an interest in Amateur Radio that was fostered in part by my and VKS Volunteer Charlie Savage (VK3ZD) involvement with him. He gained a Foundation Licence and had arranged to start working towards upgrading to a Standard Licence with my help. He was also encouraged into Amateur Radio by other Amateur/VKS-737 friends in VK2, VK5 and VK6.

Peter had a love of dogs and the death of his long time Border Collie Jess hit him particularly hard, happening during the Pandemic when his health was in decline and it was nearly impossible for him to replace his loving pet. In the end he did find a similar young Collie and that brightened him up enormously.

Peter had recently taken in his Granddaughter and her two young children to provide them with a secure home.

In the end it was his gradually failing health that made things more and more difficult for him. He will be sadly missed by his family and many friends. Peter was 70 years young.

Rest in peace Peter. You were a wonderful friend of mine.

Robert... VK3ARM

PS. Peter was a regular participant in BARG Webex meetings. (VK3DMK)

ARRL 10-Meter Contest

Contest Period (All dates are maintained in the ARRL contest calendar): Second full weekend in December.

Begins 0000 UTC Saturday and runs through 2359 UTC Sunday.

Operate for a maximum of 36 hours out of the 48-hour period.

Off times must be at least 30 minutes long.

Log Deadline: Upload your log at contest-log-submission.arrl.org no later than SEVEN (7) days after the contest is over at 2359 UTC.

Paper log forms are available on the ARRL 10-Meter Contest web page.

Bands and Modes: Use only the 28 MHz band. Both phone and CW may be used. Contact stations only once per mode.

Categories: Single Operator and Single Operator Unlimited stations in any power category can also enter as Mixed-Mode, CW-Only, or Phone-Only.

Multioperator stations may only enter as Mixed-Mode.

See the Special Rules and HF Categories sections for details.

Contacts: All stations may contact any other station on both CW and Phone.

Exchange: All stations send a signal report. W/VE stations, including Alaska and Hawaii) send their state or province. (District of Columbia stations send "DC".) Mexican stations send their state or province. DX stations send a serial number.

Maritime mobile stations send ITU Region (1-3). This is a typical contest contact: CQing Station: CQ TEST DE W1AW Answering Station: VE6SH CQer: VE6SH 599 CT Answer: 599 AB CQer: TU W1AW Or Version 1.06

Page 1 of 9 ARRL 10-Meter Contest Rules CQing Station: CQ Test from W1AW Answering Station: PY5EG CQer: PY5EG 59 Connecticut Answer: 59 1256 CQer:

http://contests.arrl.org/ContestRules/10M-Rules.pdf

**Ballarat Amateur Radio Group Inc.
(BARG)**

HAMVENTION

Sunday 5 February 2023

At the Ballarat Polo Club, Ballarat Airport
Next to BARG clubrooms

General Admission $7.00
(under 15 free)

Trade Tables $20.00 each (includes one admission)

Display and Sales (setup from 0800)
Plenty of parking, simply follow the signs
BBQ and drinks available

Enquiries & bookings: hamvention2023@barg.org.au
Details: www.barg.org.au

How things have changed.

Artemis 1 Cubesats:

The 10 tiny satellites hitching a NASA ride to the Moon
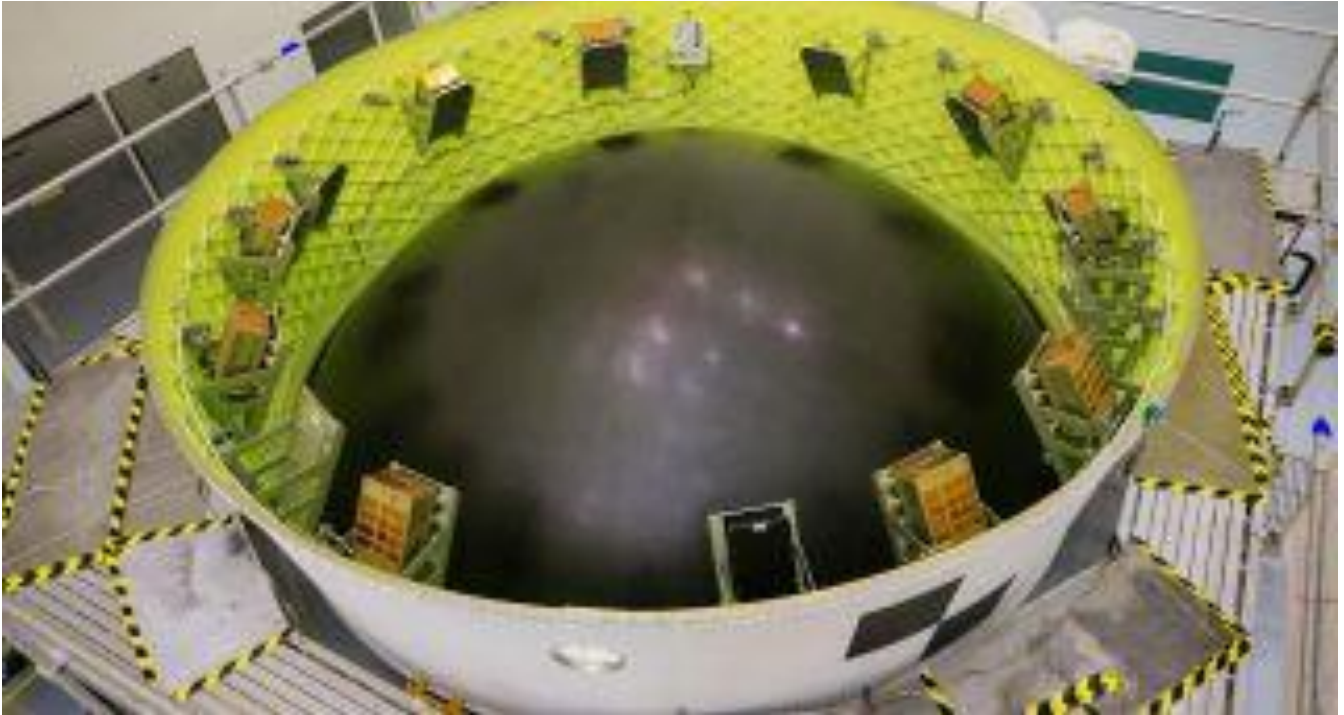
Small satellites, called cubesats, inside the Artemis 1 Orion Stage Adapter at NASAs Kennedy Space Center in Florida for their upcoming launch on the Artemis I mission. (Image credit: NASA/Cory Huston)

As part of the Artemis 1 mission, the Space Launch System (SLS) — the most powerful rocket ever built — is about to catapult the Orion spacecraft further into space than any human-built vehicle intended to carry astronauts has ventured before.

The mission will serve as a test before future Artemis missions send humans to the moon and beyond, in the process delivering milestones like the first woman and person of color to walk on the lunar surface, and the first human to step foot on Mars.

Yet not everything about the Artemis 1 mission is about breaking records. The SLS will also be carrying a secondary payload, a series of shoeboxes sized satellites that it will jettison as it travels towards the moon. Though the SLS can host 17 of these diminutive science experiments, the Artemis 1 payload will be comprised of 10 units.

https://www.space.com/nasa-artemis-1-moon-mission-cubesat

MEMBERSHIP RECORDS UPDATE

Please fill out or email the relevant details to the BARG Secretary to enable us to keep club records up to date. mjw.email@gmail.com

Surname_____   Given Names_____

Callsign _____   Are you a financial member of WIA?   Yes/No

Partner's Name _____

Residential Address _____

Postcode _____

Postal Address _____
                         (If different to above)
Postcode

Telephone;
(Work) _____   (Home} _____   (Mobil)_____

Email Address _____
"(Unless otherwise requested, Newsletters and Club information will be sent to your email address}."
"If the Club decides to publish a Club Directory, are you willing to have the above information included?"
(Please Circle One)   Yes   No

ITEMS FOR INCLUSION INTO THE MAGAZINE

If you have even an idea for articles or data for the newsletter, please let me know.
If you have information and would like a newsletter article written on it, please let me know.
Web links and/or printed material will be accepted, I can scan any articles you want returned.
I can write the article around the material or idea you supply.
Knowing what you want to see in the newsletter helps immensely toward what I publish.
Anyone with old photographs of amateur gear or operation and club activities will be very welcome.
Tom.. VK3DMK… tomvk3dmk@gmail.com

FREQUENT FRIDAY NIGHT
PUB DINNERS
# KEEP WATCH ON BARG CHATTER EMAIL
FOR NEXT OUTING.

10:00AM EVERY THURSDAY MORNING
BARG COFFEE CLUB
ALL WELCOME

Food Seduction on Doveton
524 Doveton Street North

DOWNEAST'R   DENISE PAINE

HOLD THIS A MINUTE, HERE COMES ANOTHER "SNACKS ON THE AIR" HAM!

SILICON CHIP NOVEMBER 2022 Review

P14   The Technology of Torches. Although it might sound a bit simple, the types and power sources of these devices though the years is quite fascinating. Many Australian iconic torches like the "Big Jim" and "Dolphin" are included and the history follows up to LED and PWM control in these recent years.

P30   Circuit Notebook. Digitally controlled Pre-Amp with tone controls. ESP32 Camera sentry with object detection.

P41   LC Meter Mk3. A modern version of a commercial device, Tektronix T130 from the 1950's. Being able to measure capacitances from 1pF to more than 1.2nF. Inductances from less than 100nH to 2,5mH. This meter uses a bright OLED display and runs on 3 x AA batteries with an Arduino Nano as the microcontroller.

P49   DC Supply Filter for Vehicles. This filter takes care of supply noise from the engine and voltage spikes that can occur on vehicle power systems. All constructed on a single PCB with input and output screw terminals, in comes in as a 12V 5A or a 12V 10A unit with its own fuse. Ideal for most mobile VHF/UHF rigs that are around.

P56   Raspberry Pi Pico WOW. Newest Raspberry Pi module with WiFi, Dual Core ARM Cortex M0+ with 264kiB of RAM plus 16kiB boot ROM that provides a USB Bootloader.

P62   Active Monitor Speakers, Part 1. High quality active speakers utilizing high end components that are readily available. 400W overall power includes 2 tweeters, 2 woofers, 1 200W subwoofer combined with an active crossover network,

P76   WiFi Synchronised Analog Clock. Update to the clock in September Silicon Chip. Tips on getting the GPS to perform and some inductor information.

P78   Particulate Matter (PM) Sensors. Continues on with the various air quality sensors available, This time "dust" sensors, how they work and how to interface with them.

P84   Vintage Radio. Philips "Minstrel" and the variety of colours it was presented with. Circuit diagram and restoration process needed to get this model back to showroom standard.

P90   30V 2A Bench Supply, Part 2. The construction process and setup procedure for this well setout supply, with photographs to illustrate assembly to beginners.

P100 Serviceman's Log. Toy repairs, Sony Tuner, washing machine to fix, Toyota lift chair, restoring a Porsche 928.
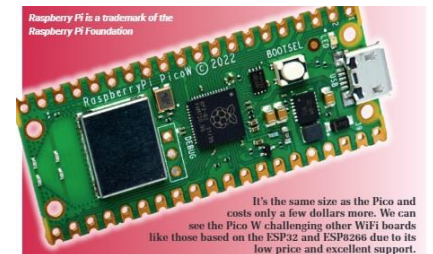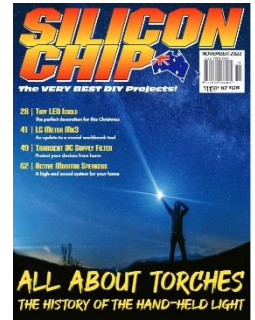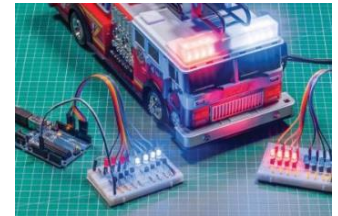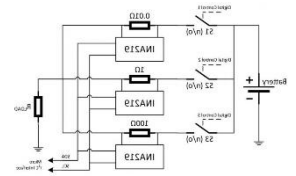

DIYODE NOVEMBER 2022 Review

P8   Little Sun Gazer. Raspberry Pi based sun tracker. Using E-Paper display and precision RTC module, the position of the Sun, Moon and Earth are displayed along with sunrise and sunset times.

P14   All Sky Camera. Raspberry Pi Based Sky Timelapse Camera. Monitor the weather, capture meteors, and create time lapse videos of the night sky. Includes a weather station and Home Assistant dashboard. Excellent step by step illustrated instruction for assembly and programming.

P36   Making For Beginners. Using Lightburn Software, explains raster and vector files and how to begin your own designs.

An Airbus 380 is on its way across the Atlantic. It flies consistently at 800 km/h at 30,000 feet, when suddenly a Eurofighter with a Tempo Mach 2 appears.

The pilot of the fighter jet slows down, flies alongside the Airbus and greets the pilot of the passenger plane by radio:

"Airbus, boring flight, isn't it? Now have a look here!"

He rolls his jet on its back, accelerates, breaks through the sound barrier, rises rapidly to a dizzying height, and then swoops down almost to sea level in a breathtaking dive.

He loops back next to the Airbus and asks:

"Well, how was that?"

The Airbus pilot answers:

"Very impressive but watch this!"

The jet pilot watches the Airbus, but nothing happens. It continues to fly straight at the same speed.

After 15 minutes, the Airbus pilot radios,

"Well, how was that?

Confused, the jet pilot asks,

"What did you do?"

The Airbus pilot laughs and says:

"I got up, stretched my legs, walked to the back of the aircraft to use the washroom, then got a cup of coffee and a chocolate fudge pastry."

The moral of the story is:

When you're young, speed and adrenaline seem to be great. But as you get older and wiser, you learn that comfort and peace are more important.
This is called S.O.S.: Slower, Older and Smarter.

TEMPORARY WARTIME GOLF RULES

1. Players are asked to collect Bomb and Shrapnel splinters to save these causing damage to the Mowing Machines.

2. In Competitions, during gunfire or while bombs are falling, playes may take cover without penalty for ceasing play.

3. The positions of known delayed action bombs are marked by red flags at a reasonably, but not guaranteed, safe distance therefrom.

4. Shrapnel and/or bomb splinters on the Fairways, or in Bunkers within a club's length of a ball, may be moved without penalty, and no penalty shall be incurred if a ball is thereby caused to move accidentally.

5. A ball moved by enemy action may be replaced, or if lost or destoryed, a ball may be dropped not nearer the hole without penalty.

6. A ball lying in a crater may be lifted and dropped not nearer the hole, preserving the line to the hole, without penalty.

7. A player whose stroke is affected by the simultaneous explosion of a bomb may play another ball from the same place. Penalty one stroke.

RICHMOND GOLF CLUB
SURREY, ENGLAND
1940

CALL FOR RADIO OPERATORS

ALPINE 100

RALLY OF EAST GIPPSLAND
HTTPS://ALPINERALLY.ORG.AU

2-4 DECEMBER 2022

Radio operators will be required to:

✓ Provide communication at control and SOS points for rally officials

✓ Employ voice comms on 2 m and/or 6 m

The Alpine Rally, now celebrating its 100th year, will be staged over four days, with WICEN required on three days being Friday 2nd ~ Sunday 4th December.

The rally is mainly based at Lakes Entrance as in 2019, but going much further afield this year, with the Saturday stages running as far north as Omeo / Benambra.

Be part of a large team of volunteer Amateur Radio operators.

Up to 30 operators are required for Friday and 20 each for Saturday and Sunday.

Please contact our Event Commander or Membership Officer if you are interested in helping on any or all of the three days.

Chris Morley - VK3CJK
Alpine Rally Event Commander
Phone: +61 417 583 239

Mark Hudson - VK3MDH
WICEN Vic Membership Officer
Phone: +61 409 500 414
Email: membership@vic.wicen.org.au