

## Silent Keys.

It is with regret that we begin this week, with news of two silent keys.

We have been advised of the passing of Bernie Orbell VK2MBA, on the 16th January 2021, aged 88 years.

Prior to becoming a radio amateur, Bernie spent 35 years at sea working in the Merchant Navy and was well known then on UHF CB Radio. After retiring in 1995, he maintained his interest in radio, eventually obtaining his amateur license in 2005. He was then active on-air every day, until his passing.

A service for Bernie was held last week. He will be greatly missed by those whom he was friends with, both in person and on radio.

We have also been advised of the passing of John Bishop VK2ZOI, president of Hornsby and Districts Amateur Radio Club, in the early hours of Friday, January 29<sup>th</sup>, at the age of 75.

After receiving shock news of metastatic melanoma in early December, John withdrew from regular radio operations to concentrate on HADARC matters and the transition of stewardship. In his final days, he recalled fond memories of family and friends and in his final over, during his last hours, John spoke of the radio club that was such an important part of his life; and the teamwork that club members have displayed, in particular at the successful Wireless Centenary event at Wahroonga in 2018. At the age of 75 and in his 50th year as an OM, John had not yet become an old man.

John leaves behind his loving YL, Dot VK2DB, four sons, grandchildren, and a legacy of many home-built Flowerpot antennas. His funeral will be held in around a fortnight; with details provided when they become available.

Please pause with us now, as we remember Bernie and John.

[pause 5 seconds]

Vale [va-LAY]  
Bernie Orbell VK2MBA, and  
John Bishop VK2ZOI.

*Thanks to Rob VK2RB and Ben VK2FBRB for advising VK2WI news.*

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## **In the news from Amateur Radio New South Wales for this week;**

While no events are currently planned at VK2WI Dural, and the site remains closed to visitors; you can still make contact via email, to [office@arnsw.org.au](mailto:office@arnsw.org.au), or by phone message to 02 9651 1490.

The ARNSW Education team is planning to resume training weekends in 2021. The first scheduled weekend for the year is March 14<sup>th</sup> and 15<sup>th</sup>, with the possibility of additional days depending on interest. As current arrangements require significant forward planning, please register with the team by email to [education@arnsw.org.au](mailto:education@arnsw.org.au). Those interested will be kept informed by email, and we will have further updates here on VK2WI News.

Later in this bulletin we have a summary of on-air activities from Sydney and across the state. You can let us know what is happening in your area by email; to [news@arnsw.org.au](mailto:news@arnsw.org.au) – we don't need full news items, just the details of the activity and contacts. We also welcome any updates on the progress in these activities; which we can report on VK2WI News, to tell listeners how it went.

We also wish to remind our listeners of some telephone services that are available, if you currently have any health concerns – the National COVID hotline is 1800 020 080, providing general advice; if you are feeling unwell, Healthdirect is on 1800 022 222. Both services are available 24 hours a day; and are a free call from most telephone services.

Once again this week, we welcome listeners on the EchoLink “HAM” conference, and the Australian & New Zealand EchoLink Network. Callbacks will also be taken tonight on the network after the bulletin. Our thanks to John VK3HJQ and the Australian & New Zealand EchoLink Network team, for making this relay available to VK2WI News.

## Ross Hull VHF/UHF Memorial Contest

Running for the entire month of January, the contest aims to encourage DX activity on the VHF and UHF bands. There's still time to take part – the contest closes at the end of the UTC day of January 31<sup>st</sup> – in Eastern Summertime, that's 11am tomorrow, the 1<sup>st</sup> of February.

Logs are due in by the 19<sup>th</sup> of February; for more information, visit the contest page on the WIA website. You don't need to be a WIA member to take part; all you have to do is make contacts, have fun and enjoy our hobby.

*Rob VK2XIC*  
*Contest Manager.*

[contest page <https://www.wia.org.au/members/contests/rosshull/> ]

## US Licence Exams at Wyong

With the 2021 Wyong Field Day planned for Sunday the 28<sup>rd</sup> of February, there is also a plan for US exam sessions to be running on the day, for both new and upgrading candidates.

The three levels are Technician, General, and Extra. Candidates must pass each paper up to the level of the licence they wish to obtain, however one low session fee, covers all papers necessary.

There is a wide range of study material is available, including several free online resources.

For more information or bookings, the Australian VE team website is [vea.org.au](http://vea.org.au).

*Submitted by Julian VK2YJS (also AG6LE).*

## **ARNSW Elections**

The next Annual General Meeting of Amateur Radio New South Wales is on Saturday the 17<sup>th</sup> of April 2021.

At the AGM, five of the 9 directors will be retiring. Nominations will soon be open for eligible members who wish to nominate to be a director, for the years 2021 and 2022. Each elected director serves a two-year term – until the AGM in 2023.

Nomination forms will shortly be from the website, or from the office.

Nominations will close at midday on Saturday 6<sup>th</sup> of March 2021.

*Peter VK2EMU*  
*Returning Officer*

# Weekly Solar and Geophysical Report

For the period of the 22<sup>nd</sup> to the 28<sup>th</sup> of January.

First, the summary;

Dates across the columns are	22 <sup>nd</sup>	23 <sup>rd</sup>	24 <sup>th</sup>	25 <sup>th</sup>	26 <sup>th</sup>	27 <sup>th</sup>	28 <sup>th</sup>
10cm Flux	78	78	78	77	76	76	76
Fredericksburg Index (Afr)	3	3	4	14	9	9	5 estimated
Australian Index (Aaus)	3	5	5	15	10	7	2 estimated
T index	-1	+1	10	10	-3	+3	5

Solar activity was very low all week.

Geomagnetic activity was quiet on the 22<sup>nd</sup>, quiet to unsettled on the 23<sup>rd</sup>, quiet again on the 24<sup>th</sup>, quiet to active on the 25<sup>th</sup>, quiet to unsettled on the 26<sup>th</sup> and 27<sup>th</sup>, before ending the week at quiet levels, on the 28<sup>th</sup>.

F2 critical frequencies in the southern Australian region, remained near predicted monthly values, from the 22<sup>nd</sup> to the 24<sup>th</sup>. The 25<sup>th</sup> saw enhancements of 15% during local night, the 26<sup>th</sup> saw depressions of 20% during local day and 15% at night; and the 28<sup>th</sup> saw depressions of 15% during local daylight hours.

Now, the forecast for the 29<sup>th</sup> of January to the 4<sup>th</sup> of February;

Solar activity is expected to be low.

Geomagnetic activity is expected to be at quiet to unsettled levels.

Maximum Usable Frequencies should be near predicted monthly values.

*Data courtesy of Space Weather Services.*

## Solar Flux Index update

Here are the updated Solar Flux Index (SFI) figures for this week.

Having nearly finished January, we saw a;

Minimum of 73, Average of 76, and a Maximum of 82  
With peak dates from the 1<sup>st</sup> to the 5<sup>th</sup>; and the 17<sup>th</sup> to the 26<sup>th</sup>

As we start February, we are expecting a;

Minimum of 70, Average of 75, and a Maximum of 77  
With peak dates from the 7<sup>th</sup> to the 25<sup>th</sup>.

And looking ahead to March, we are expecting a;

Minimum of 75, Average of 76, and a Maximum of 77  
With peak dates from the 11<sup>th</sup> to the 15<sup>th</sup>.

*Update with thanks to Noel, VK2FUL.*

[using daily data updates from:

<http://www.swpc.noaa.gov/products/usaf-45-day-ap-and-f107cm-flux-forecast>]

## What use is an F-call?

Tonight, we continue with this series, written and produced by Onno VK6FLAB. Each episode looks at different aspects of the diverse hobby of Amateur Radio.

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*Duration 2m0s*

*In: "What use is an F-call?"*

*Out: "I'm Onno VK6FLAB"*

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For more information about this series, including transcripts and useful resources for F-calls, Onno's website is; [vk6flab.com](http://vk6flab.com), or follow him on Twitter, @VK6FLAB.

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## **ARRL DX news**

A number of stations are on air specially for the CQ Worldwide 160 metre CW contest, running over this weekend;

BARBADOS; Charles, 8P6ET will active as 8P1W.

BONAIRE; Operator K4BAI will be active as PJ4A.

CAYMAN ISLANDS; Stan, K5GO plans to be active as ZF5T.

GEORGIA; Look for 4L2M to be a Single Op entry.

GUERNSEY; GU4YOX is active as a Single Op/High Power entry.

INDONESIA; A large group of operators will be active as 7A1A as a Multi/Single entry.

TUNISIA; Ash, KF5EYY will be active as 3V8SF from the Scout Radio Club of Sfax city club station, as a Single Op/Low Power entry.

...and in other DX activity for this week;

KINGDOM OF ESWATINI; Hans, 3DA0AQ has been active on 20 metres using CW around 2035UTC.

AZERBAIJAN; Special event station 4K1AZI is active until February 2, in remembrance of Hazi Ahad oglu Aslanov, a major general of tank division.

ISRAEL; Special event station 4X0RMN will be active until February 1 to recognize the Land of Craters programme from Ramon Crater.

France; Special event station TM1CCA will be active until March 20, to draw attention to a charity supporting research into paediatric cancers. Activity will be on the HF bands using CW, SSB, RTTY, FT8 and FT4.

ENGLAND; Special call sign GB75ISWL is active throughout 2021 to celebrate the 75th anniversary of the International Short Wave League. Activity will be on most HF bands and modes.

ANTARCTICA; Takumi, JG3PLH will be active as 8J1RL beginning in February, as a member of the 62nd Japanese Antarctic Research Expedition team stationed at Syowa base on East Ongul Island, IOTA AN-015. He is there until January 2022. Also, Oleg ZS1ANF plans to be active as ZS7ANF from Wolf's Fang Camp beginning in February.

ARGENTINA; Special event station L21RCA is active during 2021 to celebrate the 100th anniversary of the Radio Club Argentino.

BULGARIA ; Members of the Bulgarian Radio Club Blagovestnik will be active as LZ544SG during February, to honour the memory of Orthodox saints.

ALAND ISLANDS; A group of operators will be active as OH0W in the CQ World Wide 160 Metre CW contest, and for a few days after the contest.

NETHERLANDS; Special event station PA21BP will be active during February to celebrate the Scouts' Thinking Day on the Air.

POLAND; Special event station HF100LEM is active from Krakow throughout 2021, to mark the 100th birthday celebration of the Polish writer Stanislaw Lem.

SOMALIA; Ali, 6O1OO has been active on 40 metres using FT8 around 1340 and 2230UTC.

IRAQ; Giorgio, IU5HWS is active as YI9WS until March while on assignment. Activity is in his spare time on 80 to 15 metres.

ST. HELENA ISLAND; Peter, ZD7FT has been active on 17 metres using SSB around 1440 to 1505UTC. Barrie, ZD7MY has been active on 15 metres using FT8 just after 1500UTC.

NEW ZEALAND; Members of the Christchurch Amateur Radio Club will be active as ZL100RSC during February to celebrate its 100<sup>th</sup> anniversary.

THIS WEEKEND ON THE RADIO; The CQ 160-Metre CW Contest, Winter Field Day, NCCC RTTY Sprint, QRP 80-Metre CW Fox Hunt, NCCC CW Sprint Ladder, Feld Hell Sprint, REF CW Contest, UBA DX SSB Contest and the RTTYOPS Weekend Sprint are all on this weekend.

The RSGB 80-metre Club SSB Championship, K1USN Slow Speed CW Test and OK1WC Memorial are scheduled for February 1.

The RTTYOPS Weeksprint, Worldwide Sideband Activity Contest and ARS Spartan CW Sprint are scheduled for February 2.

The CWops Mini-CWT Test, UKEICC 80-Metre SSB Contest, VHF-UHF FT8 Activity Contest, QRP 40-Metre CW Fox Hunt and Phone Fray are scheduled for February 3.

## WICEN News

WICEN NSW, is a communications support squad of the NSW Volunteer Rescue Association.

Dementia Australia's Memory Walk and Jog events, have been added to the WICEN NSW calendar. The first two in NSW are in the Illawarra on Sunday the 21<sup>st</sup> of February followed by the Hunter on the 21<sup>st</sup> of March. The Sydney events are in May. Each is a short Sunday morning event, packed up by mid-morning, and suitable for new members.

WICEN weekly nets are on Sunday evenings; the main net is at 6pm with a secondary check-in net using DMR voice, at 6:30pm. Members have been experimenting with WINLINK and JS8CALL to pass short text messages on Monday evenings, supported by a Google Meeting.

The WICEN website, at [nsw.wicen.org.au](http://nsw.wicen.org.au); includes details on exercises, the Covid safety plan, and a web contact form. Facebook users will find an official WICEN NSW page; and an informal, national WICEN group.

WICEN members are reminded to regularly check their [vrarescue.org](mailto:vrarescue.org) email address. Members are also encouraged to take advantage of the free courses offered by the Office of Emergency Management.

The NSW Government's Spatial Information eXchange, or "SIX Maps" site now includes "eTopo" maps, as well as free downloads of "GeoPDF" topographical maps, covering NSW and the ACT.

WICEN is planning to be at the CCARC Field Day at Wyong on February 28, 2021.

WICEN ACT is part of the Canberra Region Amateur Radio Club. Their website includes WICEN and general Club information; its at [www.crarc.org.au](http://www.crarc.org.au).

WICEN Victoria has a weekly net is on each Tuesday at 8:30pm, on 3.6MHz. The Geelong Memory Walk is 14<sup>th</sup> of March, and Duncan's Run at Turra-Bulga State Forest is scheduled for the 20<sup>th</sup> and 21<sup>st</sup>; more details on the website at [vic.wicen.org.au](http://vic.wicen.org.au).

[OEM link: <https://www.emtraining.nsw.gov.au/> Messaging software  
at: <http://js8call.com/> and <http://winlink.org/> ]

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## Club News

We start this week, with news from the Oxley Region Amateur Radio Club.

The Club is planning to resume in-person meetings, with the February general meeting at 2pm on Saturday the 6<sup>th</sup> of February, at the SES Building in Port Macquarie. While the club is looking forward to the return of regular face to face activities, the Club's Committee will continue to closely monitor the evolving public health situation, to ensure that activities comply with restrictions, which may change at short notice.

The club's 2021 50<sup>th</sup> Anniversary calendar has proven to be very popular, and copies will also be available at the meeting on Saturday the 6<sup>th</sup> of February.

Now is the time to start planning for the Oxley Region Amateur Radio Club's 2021 annual Field Day is on Saturday and Sunday the 12<sup>th</sup> and 13<sup>th</sup> of June, during the Queen's Birthday long weekend. Please plan and book accommodation early, as the area will be even more popular than usual this year.

In the absence of in-person meetings, members and visitors are encouraged to participate in the club's two weekly nets; the mid-week net starts at 7:30pm on Thursday nights, and the weekend net starts at 9am Sunday mornings. Both nets are on the VK2RPM 2 metre repeater on 146.7MHz, which requires a 91.5Hz sub-audible tone for access. VK2RPM is also available via EchoLink, for those outside the coverage area of the repeater.

For more information about the Oxley Region Amateur Radio Club, visit the website at [orarc.org](http://orarc.org). The site contains a wealth of Amateur Radio items in addition to the club information. The January 2021 web edition of the club's bimonthly newsletter "Oxtales" is now online, and past issues can be viewed on the website as well. The club is also on Facebook; just search for Oxley Region Amateur Radio Club.

*Submitted by Henry VK2ZHE  
For the Oxley Region Amateur Radio Club.*

## **Hunter Radio Group**

The VK2AWX Monday night news broadcasts take a break over the new year period, and resume on the 8<sup>th</sup> of February.

However, the Wednesday evening nets continue. They are on the Group's VHF Repeater, on 146.9MHz, and start at 7:30pm.

*Rodney VK2CN  
Secretary, Hunter Radio Group.*

## Great Lakes Radio Club

The next meeting of the club will now be on Wednesday the 3<sup>rd</sup> of February, at the studios of Great Lakes FM Community Radio, 16 Douglas Avenue Tuncurry. The meeting will commence at the new time of 7pm.

Visitors are welcomed at our meetings, with attendees required to adhere to the prevailing health advice and guidelines.

For visitors and those unfamiliar with the venue, entry is via the rear door accessed from the car parking area.

Great Lakes Radio Club serves the mid-north coast area of NSW, centred on the twin towns of Forster-Tuncurry.

The club operates the VK2RGL repeater at Cabbage Tree Mountain on 147.1 MHz with a 91.5 Hz tone. There is also now a UHF DMR repeater, on 439.775 MHz with a -5MHz offset. This repeater is part of the VK-DMR network and is provided with the support of the ARNSW Radio Network group.

The informal weekly club net is on the 2m repeater, commencing at 7:00pm every Monday evening. The net has now been running for around a year and remains popular with both local and distant amateurs.

The club also has a Facebook group; just search for Great Lakes Radio Club.

*Andy VK2AAK  
Secretary, Great Lakes Radio Club.*

## Central Coast Amateur Radio Club

The Club's executive team are pleased to announce that the Clubrooms have reopened. Last week, some time spent hands on getting back in touch with the experimental side of Amateur Radio along with a practical demonstration of wave forms, signals and how to translate them on an oscilloscope.

The next general business meeting is scheduled for Saturday the 6<sup>th</sup> of February, starting at 1pm.

The Club wishes to advise that the 2021 Wyong Field Day is still scheduled to go ahead, on Sunday the 28<sup>th</sup> of February. The team are closely monitoring public health advice, and a final decision on arrangements will be made next week. Updates will be posted on the Club's website and social media.

Last week, we mentioned that the club's youngest member, Adrian VK2ABS would be starting an SSTV net on the 70cm repeater 438.075 MHz. This was the first net that Adrian hosted and safe to say, he nailed it! There were multiple stations dropping by and transmitting their images. Well done, Adrian. The next net will be on Friday the 12<sup>th</sup> of February at 7:30pm.

There are some temporary changes to the club's repeater operations while maintenance is carried out. The P25 439.950 MHz mixed mode repeater, the 2 Meter 146.6375 MHz and 70cm 438.325 MHz D-Star system is currently off air. In the interim, P25 & D-Star services will be available via the MMDVM repeater on 438.875MHz.

Speaking of Repeaters; in conjunction with the ARNSW Radio Network group, the Club now has a VK-DMR repeater operating on the Central Coast. Its on 438.850MHz with a negative 7MHz offset, and VK-DMR talk groups.

The Club's Thursday evening net this week was hosted by Alan VK2MG. Given some experiences Alan had going portable on Australia Day, the topic was: *"Do you have a radio related horror or otherwise funny story?"* Many stations resonated the same story of travelling long distances and leaving key components back at their QTH. The takeaway here is to have a check list in your go-kit and check it frequently!

Bob VK2AOR and Dave VK2KFU have been mixing it up during the week with the clubs Morning Tea net. Bob will be hosting the net on Monday, Wednesday and Friday with Dave VK2KFU hosting on Tuesdays and Thursdays... with Dave's experience facilitating nets along with his own spin on "This Day in History" it is a very enjoyable net to be involved with. A huge thanks go out to Bob and Dave for running the nets, it's greatly appreciated.

Both nets are on the VK2RAG 2 Metre repeater, 146.725MHz with a 91.5Hz sub audible tone. Currently EchoLink is not available, but the team is working on it.

You can find out more about the CCARC on the web at [ccarc.org.au](http://ccarc.org.au); or on social media by searching for Central Coast Amateur Radio Club. Remember to give the club a "like" to follow for updates.

*Brad VK2NMZ*

*Vice-President and Publicity, Central Coast Amateur Radio Club.*

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## Illawarra Amateur Radio Society

The first meeting of the Society for 2021 will be on Tuesday evening, the 9th of February. The general meeting starts at 7:30pm; directly after the Committee Meeting at 6:30pm. Attendees are welcome to arrive early and enjoy a pre-meeting chat and cuppa in the foyer.

Meetings are at the BlueScope Steel Visitor's Centre, on the southern side of the Wollongong CBD. After turning off Springhill Road into the main entrance road, immediately turn right just before the security gates and follow the signs to the Visitors Centre. Due to the large size of the Visitor Centre, physical distancing requirements can easily be maintained.

At the February meeting, the Society's resident teacher Vaughan VK2KBI will be discussing the basics of electronics and electrical theory. Everyone can do with a "brush-up" on what makes it all work!

The night will conclude with coffee, tea and cake in the venue's large foyer, where you can also relax on the very comfortable lounges, while of course maintaining the necessary physical distancing.

A reminder of the Society's weekly Nets; the Saturday morning net starts at 9:30am, run by Steve VK2BGL. You can join on the 2 metre repeaters, VK2RMP on 6850 or VK2RUW on 6675, or call-in on EchoLink, via VK2BGL-R. The second weekly Net is on 80 metres on Tuesday evenings, except for meeting nights; the usual frequency is 3666kHz, plus or minus for other usage, and it starts at 8:30pm.

You can find out more about the Illawarra Amateur Radio Society on the web at [iars.org.au](http://iars.org.au), and the society is also on Facebook. The website again; [iars.org.au](http://iars.org.au).

To conclude, all listeners are invited to attend the first meeting of the Illawarra Amateur Radio Society for 2021 – its at 7.30pm on Tuesday the 9<sup>th</sup> of February; at the BlueScope Steel Visitors Centre, Springhill Road, Wollongong.

*Submitted by Rob VK2MT  
Publicity Officer for the Illawarra Amateur Radio Society.*

## **Blue Mountains Amateur Radio Club**

The Club has two on air nets each week; the 80 metre net Starts at 8pm on Tuesday evenings, on 3543 kHz. On Wednesday night from 8pm, there is a net on the club's 2 metre repeater on 147.050MHz with a 123Hz tone for access, and on the 6 metre repeater on 53.875MHz.

The first Friday night meeting for 2021 will be on the 5<sup>th</sup> February at the BMARC club room, 4 Moore Street, Glenbrook. Due to the current COVID situation, meeting participants are required to wear face masks. A supper will be provided after the meeting.

The first foundation license weekend for the year will be held at the clubroom on Saturday 6<sup>th</sup> and Sunday 7<sup>th</sup> February. Training and exams will be held for new radio amateurs along with exams will be available for anyone who wishes to upgrade to Standard or Advanced licences.

If you would like to attend the meeting on Friday 5<sup>th</sup> February or sit for any of the upcoming examinations contact the club secretary, Irene VK2VAN. Her contact details as well as any other information you wish to know about the club can be found on the club's webpage at [www.bmarc.org](http://www.bmarc.org).

*73 James VK2GOH*

*Publicity Officer, Blue Mountains Amateur Radio Club.*

## St George Amateur Radio Society

The Society is back for 2021, with their first gathering on Wednesday the 3<sup>rd</sup> of February. This will be a virtual gathering, with log in details available on the society's website closer to the event.

At this gathering there will be a brief update on the society's activities and then a presentation by Brian VK2GCE on Operational Amplifiers, commonly called op-amps. Brian has been working with op-amps for over 60 years. He brings a wealth of knowledge and experience to share.

While op-amps have what often appears to be quite complicated circuits, they can be treated simply as a building block or black box; that is, without thinking about the details of what's inside. You can just connect a few components around it to make a variety of different circuits such as amplifiers, high or low pass filters, integrators or comparators.

This will be a very useful introduction to op-amps for those new to the subject or a refresher for old hands.

The Society and WICEN NSW are jointly conducting a test of a temporary 70cm FM repeater at Mt. Bindo, in the Blue Mountains west of Sydney. The purpose of this test is to determine UHF coverage from the location. The repeater VK2RAH is on 439.875 MHz with a standard negative 5.0 MHz offset and no CTCSS tone is required or sent.

Amateurs with UHF FM radios in Sydney, the Blue Mountains, the mid-west and further afield are encouraged to try out the repeater and send any reports to [callback@sgars.org](mailto:callback@sgars.org).

And finally, don't forget the Society's annual summer 2 metre contest is on now, running through until the 28th of February.

Further information about The St George Amateur Radio Society can be found on the website, at [www.sgars.org](http://www.sgars.org) or follow us on Facebook.

*Peter VK2EMU  
Publicity Officer, St George Amateur Radio Society.*

## Hornsby and Districts Amateur Radio Club

It is with great regret that we note the passing of club President, John Bishop VK2ZOI and VK2BK.

An informal, family friendly, dinner is planned for February 8, at the "Magpies Club" in Waitara. There is both a very good South East Asian kitchen, and a traditional club bistro.

Tuesday, February 23<sup>rd</sup> will be the first meeting back at Mt Colah; it will feature several short presentations, including on the NanoVNA by Steven VK2AAV. The meeting starts at 8pm, and its at the Mt Colah Community Centre near the northern end of Pierre Close.

The planned BBQ is postponed until February. Details will be announced on the various nets.

The Club's website has up to date details on club activities and arrangements for meetings, plus the Covid Safety plan; it's at [www.hadarc.org.au](http://www.hadarc.org.au).

The club has a group on Facebook, which can be found by searching for VK2MA, and on twitter, @VK2MA.

The Club's three regular nets continue each week. Monday's net starts at 8pm on the VK2RNS 2 metre repeater, 147.250MHz No tone is required, but a 91.5 Hz tone is sent.

The 80-metre net is on Wednesday evenings on 3608.5 kHz, also from 8pm, and Morning Tea with HADARC is on or near 7106 kHz from 9am on Fridays.

The Club's 2 metre repeater, VK2RNS on 147.250 MHz, can now be accessed on Allstarlink Node 41646, and on EchoLink VK2RNS-R.

Nets are supplemented with Jitsi, an open source audio and video conferencing system. Out-of-town members and visitors are most welcome to participate in any nets via Jitsi or linked repeaters.

*Submitted by Julian VK2YJS  
HADARC Publicity Officer.*

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## Activities on the air

**Oxley Region ARC** nets 7:30pm Thursday, 9am Sunday. VK2RPM repeater, 146.7Mhz with 91.5Hz tone.

**Great Lakes Radio Club** weekly net 7pm Monday on VK2RGL, 147.1MHz.

**Westlakes** nets Monday, Wednesday and Friday; 9:30am on 3565kHz.

**Hunter Radio Group** meeting net Wednesday 7:30pm on 146.9MHz.

**Central Coast ARC** net Thursday night on VK2RAG 146.725Mhz, 91.5Hz; also Echolink \*CCARCNSW\*.

**Amateur Radio Central West Group** afternoon tea net 4pm daily; Monday and Friday night net at 8pm, on VK2RCW. HF net 8pm Wednesday 3653kHz.

**Illawarra ARS** Nets - Tuesday at 8:30pm on 80m, 3666kHz. Saturday 9:30am on VK2RMP 146.850 and VK2RUW on 146.675.

**Blue Mountains ARC** nets 8pm Tuesday on 3543kHz, 8pm Wednesday on VK2RBM, 147.050MHz with 123Hz tone and 53.875MHz.

**WICEN** nets on Sunday evenings from 6pm.

**Waverley ARS** net 8pm Monday on VK2RBV, 438.1125MHz. Activities online and in person, see website for details.

**Fishers Ghost ARC net** 7:30pm Thursdays on VK2RFG, 438.65MHz with - 7MHz offset and 91.5Hz tone required, also on Echolink.

**St George ARS** net 8pm Thursday, on VK2RLE 146.8MHz.

**HADARC** Monday night 8pm on VK2RNS, 147.25MHz, Wednesday from 8pm on 3608.5kHz, Friday 9am on 7106kHz.

**Manly-Warringah** on air meeting net, Wednesdays 8pm on 146.875MHz.