

## **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 first training weekend for ARNSW Education, originally scheduled for mid-March, has been postponed until the end of the month. Bookings for this weekend can be accepted until Friday this week; please contact team by email to [education@arnsw.org.au](mailto:education@arnsw.org.au) for further details.

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 items, just the details of the activity and contacts. We would also welcome reports on the outcome of recent group activities, which we can report to our listeners.

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.

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## **ARNSW Elections**

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

Nominations for board director positions closed at midday yesterday, Saturday the 6<sup>th</sup> of March.

At the close of nominations, a total of five nominations were received, for the five vacant positions. As a result, there will not need to be an election this year.

*Peter VK2EMU  
Returning Officer*

## Weekly Solar and Geophysical Report

For the period of the 26<sup>th</sup> of February to the 4<sup>th</sup> of March.  
First, the summary;

Dates across the columns are	26 <sup>th</sup>	27 <sup>th</sup>	28 <sup>th</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>
10cm Flux	80	79	78	71	75	74	81
Fredericksburg Index (Afr)	8	3	4	16	14	15	9 estimated
Australian Index (Aaus)	8	4	4	14	12	12	5 estimated
T index	1	5	6	9	-3	+3	4

Solar activity was very low all week.

Geomagnetic activity started out quiet to unsettled on the 26<sup>th</sup>, quiet on the 27<sup>th</sup> and mostly quiet on the 28<sup>th</sup>. Activity then increased, remaining at quiet to active levels from the 1<sup>st</sup> to the 3<sup>rd</sup> of March, before returning to quiet conditions again, on the 4<sup>th</sup>.

F2 critical frequencies in the southern Australian region, started out near predicted monthly values, with some periods of depressions; 25% during local night on the 1<sup>st</sup> of March; 25% during the day, 15% at night and 20% after local dawn, on the 2<sup>nd</sup>; 20% during the day and 15% during the night of the 3<sup>rd</sup>; and depression of 15% throughout the 4<sup>th</sup> of March.

Now, the forecast for the 5<sup>th</sup> to the 11<sup>th</sup> of March;

Solar activity is expected to be very low, with a small chance of a C-class solar flare.

Geomagnetic activity is likely to be unsettled to active, with possible minor storms, on the 5<sup>th</sup> and 6<sup>th</sup>; quiet to unsettled conditions are expected on other days.

Maximum Usable Frequencies are likely to be mildly depressed on the 6<sup>th</sup>, otherwise 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 finished February, we saw a;

Minimum of 70, Average of 74, and a Maximum of 81  
With peak dates from the 21<sup>st</sup> to the 28<sup>th</sup>.

So far for March, we are expecting a;

Minimum of 70, Average of 75, and a Maximum of 81  
With peak dates from the 5<sup>th</sup> to the 10<sup>th</sup>; and the 20<sup>th</sup> to the 28<sup>th</sup>.

And looking ahead to April, we are expecting a;

Minimum of 70, Average of 73, and a Maximum of 78  
With peak dates from the 3<sup>rd</sup> to the 7<sup>th</sup>; and the 16<sup>th</sup> to the 20<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>]

# Space Weather Summary for February 2021

*Complied with data courtesy of Space Weather Services*

The Sun was mostly spotless until the 18<sup>th</sup> of February, with very low solar activity until the 27<sup>th</sup>. Active regions AR2801 to 2805 were numbered. AR2804 produced numerous B-class flares after it developed on the 23<sup>rd</sup> and produced a C2.7 flare at 1800UTC on the 27<sup>th</sup>, and a C3.9 flare at 0646UT on the 28<sup>th</sup> as it neared the west limb. There were no M or X class flares during the month.

Several Coronal Mass Ejections were observed over during February, though most were directed away from Earth. A CME on the 20<sup>th</sup> was associated with a filament eruption around 1100UTC in the southeast quadrant of the visible disc; this CME arrived at Earth on the 24<sup>th</sup> at 0407UTC. There appear to have been weak CME effects on the 26<sup>th</sup> from about 1000UTC, possibly due to a filament eruption in the southeast quadrant around 0900UTC, or a westward CME related to northwest limb activity near 1930UTC, on the 22<sup>nd</sup>.

Mild geomagnetic activity occurred on the 2<sup>nd</sup>, the 7<sup>th</sup>, from the 19<sup>th</sup> and 22<sup>nd</sup>, and the 24<sup>th</sup> of February. The strongest disturbance during the month was observed on the 20<sup>th</sup> with an Australian region A index of 15; a moderate level of activity.

Weak impulses were observed at 0352UTC and 0551UTC on the 2<sup>nd</sup>. Activity on the 24<sup>th</sup> was caused by the CME on the 20<sup>th</sup>; other activity was related to coronal hole wind streams.

The Southern Australian region ionosphere was moderately depressed on the 5<sup>th</sup> and 20<sup>th</sup> of 20 February, most likely due to the earlier geomagnetic activity. Mild depressions were observed on other days as the ionosphere responded to geomagnetic activity. Sporadic E continued to be observed, mostly in the mid latitudes and was strong at times.

## 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 1m14s*

*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**

We start this week with stations active especially for the ARRL International SSB DX Contest;

BONAIRE; Marty, W1MD plans to be active as PJ4G as a Single Op/Single Band entry on either 20 or 15 metres depending on conditions.

CANARY ISLANDS; EA8. Miguel, EA1BP plans to be active as ED8W as a Single Op/All Band/High Power entry.

MARTINIQUE; Station FM5BH will be active as a Single Op/All Band/High Power entry.

OMAN; Operator A41CK will be active as A42K as a Single Op/All Band entry.

PERU; Ed, W9SI plans to be active as OA4SS as a Single Op/All Band/High Power/Unassisted entry.

VATICAN; Look for IK0FVC to be active as HV0A in the contest.

... and in other DX activity this week;

ZAMBIA; Bodo, HB9EWU is active as 9J2BG while working on a humanitarian mission in the Luapula Province. He is active in his spare time, generally on 20 metres.

UNITED ARAB EMIRATES; Greg, KD5ESG will be active as A65HH while on work assignment in Abu Dhabi.

SPAIN; Special event stations AM3DIM and AM3YLD will be active until March 12 to commemorate International Women's Day on March 8.

SCOTLAND; Chris, GM3WOJ is active with special call sign GB2CR until March 18<sup>th</sup> to honour the legacy of the Collins Radio Company. Activity is on 80 to 10 metres using SSB and some CW.

ECUADOR; Rick, NE8Z is active as HC1MD/2 from Santa Elena Province until May 15<sup>th</sup>. Activity is on 40 to 6 metres.

ST. LUCIA; Bill, K9HZ, Dan, W0CN and Kyle, WA4PGM are active on the HF bands as J68HZ, J68CN and J68PG, respectively, until March 11. They are also active as J68HZ in the ARRL International SSB DX contest.

CURACAO; Don, AF4Z, Vince, K4JC, Dan, N1ZZ and Walt, WB5ZGA are active as PJ2/home calls until March 9<sup>th</sup>. Activity is on 160 to 10 metres. They will be active as PJ2T in the ARRL International SSB DX contest.

POLAND; Special event stations SN0ZOSP and SN100ZOSP are active until February 5<sup>th</sup>, 2022 to celebrate the 100th anniversary of the Association of the Voluntary Fire Brigades of the Republic of Poland.

BENIN; Ian, ZS6JSI is active as ZS6JSI/TY from Parakou until June. Activity is in his spare time on 80, 40 and 20 metres using SSB and FT8.

EUROPEAN RUSSIA; Special event station R125PR is active during March to celebrate Alexander S. Popov's first wireless transmission 125 years ago.

MARSHALL ISLANDS; Paul, KA4WPX is active as V7/KA4WPX and V73AX from Kwajalein Atoll, IOTA OC-028. Activity is at various times on 160 to 10 metres, and possibly 6 metres, using CW and SSB.

ASCENSION ISLAND; Tev, TA1HZ is active as ZD8HZ until mid-April. He plans to be active in the ARRL International SSB DX contest and the upcoming CQ World Wide WPX SSB contest.

THIS WEEKEND ON THE RADIO. The ARRL International SSB DX Contest, NCCC RTTY Sprint, QRP 80-Metre CW Fox Hunt, NCCC CW Sprint, K1USN Slow Speed CW Test, Novice Rig CW Roundup, Wake-Up QRP CW Sprint, Open Ukraine RTTY Championship, UBA Spring CW Contest, NSARA Contest, SARL Hamnet 40-Metre Simulated Emergency SSB Contest and the WAB 3.5 MHz Phone will certainly keep contesters busy this weekend.

The OK1WC Memorial is scheduled for March 8. The Worldwide Sideband Activity Contest and RTTYOPS Weeksprint are scheduled for March 9.

The RSGB 80-Metre Club CW Championship, AWA John Rollins Memorial DX CW Contest, VHF-UHF FT8 Activity Contest, CWops Mini-CWT Test, QRP 40-Metre CW Fox Hunt and Phone Weekly Test/Fray are all scheduled for March 10<sup>th</sup>.



## WICEN News

WICEN is providing safety communications support for True Grit 2021 this weekend; this is a military style obstacle race held in Lower Portland.

Dementia Australia's Memory Walk and Jog events continue in Victoria, with Sydney events planned for May. These events are ideal for new WICEN members to get hands-on experience in emergency communications. The interstate events will be supported by WICEN ACT, WICEN Victoria and WICEN South Australia.

The Glow Worm Tunnel Marathon is coming up on the weekend of the 18<sup>th</sup> to the 20<sup>th</sup> of June, in and around Newnes and the Wolgon Valley.

WICEN weekly voice nets are on Sunday evenings; the main net is at 6pm with a secondary net using DMR voice, at 6:30pm. Digital messaging sessions continue Monday evenings, using WINLINK and JS8CALL.

The March training session is next Sunday the 14<sup>th</sup> of March at ARNSW Dural, about antenna building. The following session on the 11<sup>th</sup> of April, is an in-field radio survey in the Newnes Valley.

WICEN NSW, is a communications support squad of the NSW Volunteer Rescue Association. The website is at [nsw.wicen.org.au](http://nsw.wicen.org.au). WICEN NSW is also on Facebook; along with an informal, national WICEN page.

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. More details on the website at [vic.wicen.org.au](http://vic.wicen.org.au).

[Messaging software at: <http://js8call.com/> and <http://winlink.org/> ]

## Club News

We start this week, with news from the HARAOA radio club.

The club is planning a DXpedition for early November 2021, to Willis Island, VK9W, for about 11 days.

Situated about 450km east of Cairns in the Coral Sea, Willis Island is in the top most-wanted DXpedition sites in the world.

If you're interested in this exciting adventure and enjoy working with experienced DX operators; you can send an expression of interest and a request for further information, to Tommy VK2IR via email; [vk2ir@vk2ir.com](mailto:vk2ir@vk2ir.com).

## Oxley Region Amateur Radio Club

Yesterday was the March general meeting of the Club, which was held in-person at the SES Building in Port Macquarie, in accordance with the club's COVID-19 Safety Plan. The Committee continues to closely monitor the 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 a few copies are still available.

Now is the time to plan to attend the Club's 2021 annual Field Day. It 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 Port Macquarie area is certain to be even more popular than usual this year.

There are two club nets each week; 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 March 2021 issue is in preparation and will be published soon. 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.*

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## **Westlakes Amateur Radio Club**

The Club is planning a car boot sale for Saturday the 27<sup>th</sup> of March. Its in the Club grounds, 6a York Street Teralba, starting at 8am, with physical distancing in place.

You can set up a stall at no charge; but bring your own table. There will also be a BBQ and hot and cold drinks available.

All are welcome. For more information, contact the club on 0478228983.

Westlakes has a net every Monday, Wednesday and Friday at 09:30am on 3565kHz.

*Barrie VK2QG  
President, Westlakes Amateur Radio Club*

## Hunter Radio Group

The first Monthly Meeting of the Hunter Radio Group for 2021, is coming up on Thursday the 11<sup>th</sup> of March.

It will be at the Hunter TAFE Campus School of Electronic Technology in Tighes Hill Newcastle, in the RF Transmission Lecture Room, 1<sup>st</sup> floor Building J. The meeting starts at 7pm.

The Group conducts a weekly net on the Group's VHF Repeater, on 146.9MHz. The net is on Wednesday evenings at 7:30pm.

The Hunter Radio Group also has VK2AWX bulletins on Monday nights starting at 7:30pm, on the 2 metre repeater 146.9MHz, and the 70cm repeater on 438.025MHz. Callbacks are taken after the broadcast.

*Rodney VK2CN  
Secretary, Hunter Radio Group.*

## Central Coast Amateur Radio Club

A reminder about “Mayham”, on Sunday the 30<sup>th</sup> of May 2021 at Wyong Race Course. For those who have attend previous Wyong Field Days, this event will be very similar, but with a new name and new date. If you are looking to attend, be a trader or exhibitor, please email the team at [mayham@ccarc.org.au](mailto:mayham@ccarc.org.au). For the latest news and information regarding this event, please check out the website [www.mayham.org.au](http://www.mayham.org.au), as well as updates in future VK2WI bulletins.

The Club newsletter *Smoke Signals*, was emailed to members earlier in the week. Thanks to editor, Henrick VK2FTDR. Members are encouraged to take a look each month and provide feedback. Henrick is also on the prowl for content; big or small, even just a few sentences and a photo.

The March general meeting was held yesterday in the clubrooms and via Google Meet. The executive team would like to thank those who attended, and the minutes will be collated and distributed soon.

The next education, training and examination session at the Clubrooms is on the 27<sup>th</sup> and 28<sup>th</sup> of March. If you are interested in obtaining your licence or upgrading; contact the club’s education facilitator Karen VK2AKB, at [education@ccarc.org.au](mailto:education@ccarc.org.au).

The Club will be at the Westlakes Amateur Radio Club car boot sale on Saturday the 27<sup>th</sup> of March, with many items available for purchase.

The Club’s Thursday evening net this week was hosted by Alan VK2MG, with a discussion about antenna use and design. Thank you to Alan for facilitating this net. Meanwhile, thanks to Bob VK2AOR and Dave VK2KFU for continuing the clubs Morning Tea net, with check-ins still coming in strong. Both nets are on the VK2RAG 2 Metre repeater, 146.725MHz with a 91.5Hz sub audible tone. EchoLink access is via the CCARCNSW conference server, and IRLP on node 9509.

Adrian VK2ABS will be hosting the next SSTV net on Friday the 12<sup>th</sup> of March, on the VK2RAG 2 metre WICEN repeater. Adrian is looking at re-visiting the structure of the SSTV net and would welcome your feedback, by email to [ccarc@ccarc.org.au](mailto:ccarc@ccarc.org.au).

The club's IT infrastructure upgrade has been successfully completed at the repeater site, with some services migrated over to 44net, a dedicated IP service for Radio Amateurs. The club would like to thank all those involved with the upgrade effort; it is well appreciated.

Club members Jaye VK2FOMG and Brad VK2NMZ will be activating special event callsign VI100AF & VK100AF over the coming weeks via FT8 and SSB contacts, so keep an ear out! The club looking for more operators to commemorate the 100<sup>th</sup> Anniversary of the RAAF, operating portable or otherwise; if you are interested in participating, please contact the Club directly.

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.*

## Illawarra Amateur Radio Society

The next meeting of the Society is this coming Tuesday the 9<sup>th</sup> of March. 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 March meeting, IARS member Mal VK2DXM will be presenting information about the clever beamforming system used by the 5G network. Beamforming uses arrays of multiple antennas to improve directivity and propagation; its particularly useful in directing transmission and reception of millimetre wavelength signals as used in 5G networks.

The night concludes 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, including details on upcoming Amateur Radio training and examination activities, 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 next meeting of the Illawarra Amateur Radio Society– its at 7.30pm on Tuesday the 9<sup>th</sup> of March at the BlueScope Steel Visitors Centre, Springhill Road, Wollongong.

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



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## Blue Mountains Amateur Radio Club

March is looking to be an exciting and busy month for the Club;

Standard and Advanced licence upgrade courses continue at 7:30pm on Tuesday evenings, run by Jan VK2FEB. Foundation or Standard Licence holders are encouraged to come along to these regular, free educational events. A gold coin donation is requested, to go towards the tea and coffee served during the night. An exam will be scheduled toward the end of the school year.

The clubhouse is now open every first and third Saturday from 10am, providing an opportunity for visitors to seek assistance with personal projects, take part in maintenance of clubhouse facilities or just have a general chit chat over a cup of tea and biscuits. The next drop-in day for March will on Saturday the 20<sup>th</sup>.

Next weekend, is the Club's annual car boot sale. Volunteers will be needed on Saturday to assist with setting up and organisation, with the sale being on Sunday the 14<sup>th</sup>.

The John Moyle Field Day is on the weekend of the 20<sup>th</sup> and 21<sup>st</sup> of March. This year, unless there is an expression of interest, the club will not be setting up a field station. Members are encouraged to listen for contestants and participate from home; rules for the contest can be found on the WIA website.

On air nets continue weekly; on 80 metres from 8pm Tuesday evenings, on 3543 kHz, on Wednesday night from 8pm, on the club's 2 metre repeater on 147.050MHz with a 123Hz tone for access, and on the 6 metre repeater, 53.875MHz.

More information about the club can be found on the website, at <http://www.bmarc.org>.

*73 from James VK2GOH  
Publicity Officer, Blue Mountains Amateur Radio Club.*

## St George Amateur Radio Society

The society operates the VK2RDX repeater at Mt. Bindo in the Blue Mountains west of Sydney, on a remote mountain-top about 25km south of Lithgow.

Last week, the repeater developed a fault which has taken it off air. A visit by a maintenance crew is scheduled for a few weeks' time. The society apologises for any inconvenience that this may cause to amateurs in the area.

The society's repeater VK2RLE at Heathcote on 146.800MHz is still on the air, covering most of Sydney and surrounding areas. The weekly net at 8pm on Thursday evening is still going strong with local check-ins as well as inter-state and over-seas check-ins via EchoLink. Details for EchoLink, along with other information about the Society's, can be found on the website, [www.sgars.org](http://www.sgars.org).

*Peter VK2EMU*

*Publicity Officer, St George Amateur Radio Society.*

## Manly-Warringah Radio Society

Yesterday, the Society conducted a working bee at the Terrey Hills clubhouse. The recently-installed 30 metre I-Gate has had two upgrades: the Raspberry Pi Zero has been replaced with a Pi 3B+, to improve HF APRS signal decoding, and the I-Gate also has a new antenna. The Pi Zero has been repurposed as a 2 metre I-Gate, to improve VHF APRS coverage down on the north end of the peninsula.

In-person meetings at the Terrey Hills clubhouse have resumed, much to delight of everyone; to comply with COVID guidelines, there's a QR code at the door, where you can check-in (and out) using the Service NSW app. Alternatively, you can sign in and out using pen and paper. Of course, physical distancing is still in effect, and hand sanitiser is available.

The Society web site is at [mwrs.org.au](http://mwrs.org.au), where you'll find plenty of information about activities and facilities, including links to the Society's YouTube channel, VK2MB-TV. There you'll find recordings of past club lectures and short videos on many radio and technical topics.

The Manly-Warringah Radio Society meets every Wednesday evening from 8pm at the First Terrey Hills Guides Hall, Beltana Avenue, Terrey Hills. Doors open at 7.30pm for an 8pm start. If you need directions, call in on the club's 2 metre repeater on 146.875, or check the web site for details. The web site again, is at [mwrs.org.au](http://mwrs.org.au).

73 and stay COVID-safe everyone!

*Richard VK2SKY*

*Publicity Officer for the Manly-Warringah Radio Society.*

## Hornsby and Districts Amateur Radio Club

The next meeting of the club will be an informal event this Tuesday the 9<sup>th</sup> of March, with discussion of all things radio, and beyond. The next formal general meeting will be on the 23<sup>rd</sup> of March.

Both meetings meeting start at 8pm and are at the Mt Colah Community Centre near the northern end of Pierre Close.

International Marconi Day this year is on the UTC day of the 24<sup>th</sup> of April, and on the 24<sup>th</sup> and 25<sup>th</sup> HADARC will activate the only Australian station, VK2IMD. This station marks the reception of the first direct message from the UK to Australia, sent from north-west Wales, to Fisk's home in Wahroonga, by Marconi.

The Club's website has up to date details on club activities, plus contact information and 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 2 metre repeater, VK2RNS on 147.250 MHz, is now connected to Allstarlink and is available on EchoLink.

The Club's three regular nets continue each week. Monday's net starts at 8pm on the VK2RNS 2 metre repeater. 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.

*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** VK2AWX News 7:30pm Monday, on 146.9Mhz and 438.025MHz. 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. Meeting 23<sup>rd</sup> at Mt Colah.

**Manly-Warringah** Meetings return every Wednesday from 7:30pm.