

[ID 1 and BC Team Message]

[Play File: 14-E-ID1-BT11.wav]

Duration: 1m53s

In: [IDENT 1]

Out: "...office, 02 9444 0123."

[Transcript]

I'm Mathew VK2YAP, President of ARNSW and a member of the VK2WI Broadcast team.

For the past few weeks, I've been asking for volunteers, to help run VK2WI News broadcasts from Dural. Several of our current volunteers have also added their own personal requests and reflections.

Some members have expressed an interest in participating, but they're unable to make it to Dural – including those members with reduced mobility, and those outside of the greater Sydney region. I want to thank those members for their interest, and we will be turning our attention to new ways you can participate, later in the new year.

But right now, our priority is to maintain our regular roster, and so far, it's coming up short. We really need a few more members – particularly those we regularly see at events here at Dural - to join us on the team.

Our last bulletin for 2023 will be the Morning of the 24th of December. We will resume our bulletins, in the Morning only, from the 14th of January 2024.

I would like to personally thank those members that have responded so far, especially those that have told us how the news broadcasts are useful to them.

VK2WI Dural is unique facility, built and owned by members of Amateur Radio New South Wales. We think this helps us provide a high-quality service with content based on the needs of our members and listeners.

But that's a two-way deal – we need the participation of our members and listeners, as well. So, contact us by email; news@arnsw.org.au or leave a message with the office, 02 9444 0123.

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

VK2WI News would like to hear from clubs and groups planning Amateur Radio activities; just email the details and contact information, to news@arnsw.org.au. We also welcome reports on recent activities.

General enquires can be directed to the ARNSW office via email, to office@arnsw.org.au, or by leaving a phone message on 02 9444 0123.

Tonight, we again welcome listeners via the EchoLink "HAM" conference, and the Australian & New Zealand EchoLink Network. Callbacks will also be taken after tonight's bulletin; our thanks to John VK3HJQ, and the Australian & New Zealand EchoLink Network team, for making this relay available.

Weekly Solar and Geophysical Report

For the period of the 1st to the 7th of December.

First, the summary of activity;

Dates across the columns are	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th
10cm Flux	162	148	139	138	142	130	135
Fredericksburg A-Index	30	11	10	9	9	7	5*
Australian A-Index	41	7	15	9	14	7	3 estimated
T index	95	22	120	132	107	99	101

Solar activity reached R1 on the 1st with two M-class flares, on the 5th with three M-class flares, and on the 6th with an M2.1 at 0541UTC and M2.3 at 2144UTC. Activity remained below warning threshold on other days.

Geomagnetic activity in the Australian region reached G2 on the 1st, otherwise remaining below warning threshold. Three weak geomagnetic impulses were recorded on the 1st – the largest, 26 nanoTesla was observed at 0925UTC, and one impulse of 12 nanoTesla was recorded at 0019UTC on the 2nd.

F2 critical frequencies in Southern Australia began near predicted monthly values on the 1st during daylight, with enhancement of 25% at night; the 2nd was depressed 40% during the day, and 20% at night. The 3rd saw improvements with frequencies enhanced 20% at day and 15% at night; then returning to near predicted values, for the remaining days.

The forecast, issued on the 8th of December, through until the 14th;

Solar activity is expected to be R0 to R1, with a chance of R2.

Geomagnetic activity is expected to be low to moderate.

Maximum usable frequencies are expected to be near predicted monthly values on other days.

Data courtesy of the Australian Space Weather Forecasting Centre.

Space Weather Summary for November 2023

Compiled with data from the Australian Space Weather Forecasting Centre

Solar activity this month was mostly low to moderate, with 16 M-class flares reaching R1 level, and no X-class flares observed. An isolated R2 level event was due to an M9.8 flare on the 28th of November – the largest flare for the month. No solar proton events were observed.

None of the flares caused significant shortwave fadeouts in the Australian region, however a minor fadeout was observed on the 23rd, associated with an M1.4 flare.

The strongest geomagnetic disturbance for the month was on the 5th of November, with a local A index of 37 and a planetary Ap of 75. This was due to two moderate CME shocks associated with solar filament eruptions, inducing G3 planetary geomagnetic conditions and G2 in Australia. A moderate CME shock on the 25th produced G2 planetary geomagnetic conditions and G1 in Australia.

Some periods of maximum usable frequency (MUF) depressions were observed on the 6th, 7th, 15th, 19th, 22nd, 23rd and 26th of November, following geomagnetic activity. The deepest ionospheric depression for the month was on the 6th, following CME induced geomagnetic activity. Australian regional MUFs were depressed by 40% on this day. Another significant depression on the 26th was again following geomagnetic activity induced by a CME. Otherwise, MUFs were generally near predicted monthly values to 15-20% enhanced.

No significant shortwave fadeouts were observed in the Australian region during November. A minor shortwave fadeout was observed on the 23rd, associated with an M1.4 flare. Ionospheric scintillation was observed on the 3rd at Weipa, and on the 5th, at both Darwin and Weipa.

Australian T-index average for the month was 128.

[Play File: 15-E-ID2.wav]

Foundations of Amateur Radio

This series, written and produced by Onno VK6FLAB, continues a weekly examination, of the building blocks of Amateur Radio.

[Play File: 16-FOAR090.wav]

Duration: 4m48s

In: "Over the past ... "

Out: "...I'm Onno VK6FLAB"

For more information about this series, including audio, transcripts and other useful amateur radio resources, Onno's website is; vk6flab.com; and you can contact Onno by email, to cq@vk6flab.com.

[WICEN News]

And now with this week's WICEN News, here's Richard VK2SKY;

[Play File: 17-E-WNS1210.wav]

Duration: 2m10s

In: "It's been a quiet..."

Out: "... at wicen.org.au."

[Transcript]

It's been a quiet week for WICEN, but remember that fire and floods are not too far away, so there's always a chance of real activations this summer. Be ready!

A reminder that Dementia Australia's "Memory Walk and Jog" events will be back in 2024. WICEN will be providing communications for these events all over New South Wales, the ACT, and beyond, so there will be opportunities for members outside of Sydney to participate. These are great "starter" events for new or rusty WICEN members, as they take only a couple of hours. WICEN also provides the radios for these events, so you don't even need to bring your own gear. Why not give one a go? You'll find a link to the events list in the text edition of this news.

To participate in any WICEN event, or just find out more about how you can use your Amateur Radio skills to benefit the community, you can email wicen.ops@vrarescue.org.

WICEN nets take place every Sunday evening, using FM voice, DMR, P25, or HF voice, depending on the week. All WICEN members and other Amateurs are welcome to join in.

Next Sunday, the 6pm net will be on the Kurrajong 70cm FM repeater, 439.825MHz and a 91.5Hz tone, with net controller VK2WIB; and the 6.30pm net will be on HF, on or near 7110kHz LSB. Net controller VK2WIZ will announce the call-in sequence and other information.

Please note that these nets will be the last for the year.

WICEN NSW is a support squad of VRA Rescue NSW, specialising in tactical radio communications. In between activations, WICEN supports local community events: these provide practical training for members, and help raise the public profile of Amateur Radio.

To find out more, check out the WICEN NSW web site, at nsw.wicen.org.au

WICEN is also on Facebook, and on X @wicennsw; there, you can find photos and information about recent and upcoming WICEN activities.

For information about other WICEN groups around Australia, visit the web at wicen.org.au.

[Memory Walk and Jog Events: <https://www.memorywalk.com.au/find-an-event>]

[WICEN NSW web site: <https://nsw.wicen.org.au/>]

[WICEN NSW on Facebook: <https://www.facebook.com/WICENNSW>]

["National" WICEN on Facebook: <https://www.facebook.com/groups/124735400158>]

[WICEN NSW on X: <https://twitter.com/wicennsw>]

Club News

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

Last Saturday the 2nd of December was the Club's well attended Christmas party last Saturday, at the Long Point Vineyard and Art Gallery, Lake Cathie. Everyone enjoyed the camaraderie and great food, and the picnic table portable HF operation by Bruce VK2EM and Richard VK2AUS created a lot of interest.

The December Coffee Morning is at 10am on this Thursday the 14th of December at Brooklyn's Burger Bar, Thrumster; and the December Friday Night Get is at 7pm on Friday the 15th in the SES Building in Central Road, Port Macquarie.

As there is no General Meeting in December, the next will be at 2pm on Saturday the 6th of January 2024, in the SES Building in Port Macquarie.

The next Foundation and assessment weekend will be early next year, once the new ACMA arrangements are finalised. Those interested can contact the club via mail to PO Box 712 Port Macquarie NSW 2444, or using the contact form on the website.

There are two club nets each week; the mid-week net from 7:30pm on Thursday nights, and the weekend net at 9am Sunday mornings. Both are on the VK2RPM 2 metre repeater, 146.7MHz with a 91.5Hz sub-audible tone for access, and on EchoLink as VK2RPM-R. Members and visitors are encouraged to participate in the club on air nets as often as possible.

For more information about the Oxley Region Amateur Radio Club, visit the website at orarc.org. The November 2023 issue of the club's bimonthly newsletter "Oxtales" is now online, and past issues are on the website as well. The club is also on Facebook; just search for Oxley Region Amateur Radio Club.

*From Henry VK2ZHE
For the Oxley Region Amateur Radio Club.*

Central Coast Amateur Radio Club

The club rooms at Kariong are open on Saturdays from 10:30am, and as always, members and visitors are most welcome. The club rooms will be closed from the 18th of December, until the 12th of January.

Yesterday was the Club's highly successful end of year lunch. In addition, at a committee meeting held beforehand it was confirmed that with the resignation of Graham VK2GRA, that Michael VK2HFN will be standing in as Club President until the next AGM.

At the VK2RAG Somersby repeater site, the D-Star, Rad-Net DMR and 2m EchoLink services, are fully functional.

The 23cm repeater is now linked with the 6m repeater.

The Somersby WebSDR is online at websdr.ccarc.org.au; its configured to listen on 6 metres, 2 metres, 70 centimetres and 23cm.

The Club's Morning Tea Net is on break until the new year. Thanks to Bob VK2AOR for his contribution to the net; the club wishes him well over the break.

This coming Thursday at 8pm will be the last weekly Net for the year on the VK2RAG 2 metre repeater - 146.725MHz with a 91.5Hz sub-audible tone, and on the CCARCNSW and HAM EchoLink conferences. The weekly net will resume mid-January.

The Thursday evening net is also live video-streamed on the club's Facebook page.

You can find out more about the CCARC, including information on upcoming social events and all the details we can't tell you about here; on the web at ccarc.org.au – by phone, 02 43402500 – or social media, search Central Coast Amateur Radio Club; remember to “like” to follow for updates.

73 Alan VK2MG

Publicity Officer, Central Coast Amateur Radio Club.

[Play File: 18-E-ID4.wav]

Activities on the air

Daily;

Manly-Warringah “early bird” net, 6:30am on or near 3690kHz LSB; if that’s too early, the “morning” net is from 8am on or near 7189kHz.

Amateur Radio Central West Group lunchtime net; 1pm on VK2RCW.

Mondays;

Westlakes ARC net 9:30am on 40 metres, 7115kHz, VK2ATZ Portable.

Great Lakes Radio Club net 7pm on VK2RGL; 147.1MHz with 91.5Hz tone, EchoLink VK2RGL-R.

Hunter Radio Group VK2AWX News 7:30pm, now on 146.975MHz.

Amateur Radio Central West Group net at 8pm on VK2RCW.

Lightning Net 8pm on 1860kHz, net control Steve VK2STG.

HADARC net 8pm on VK2RNS, 147.25MHz

Waverley ARS net 8pm on VK2RBV, 438.1125MHz with 91.5Hz tone.
Activities online and on air; see website.

Tuesdays;

National VKDMR Net: starts at 8pm on Talkgroup 505.

Blue Mountains ARC net from 8pm, 3543kHz.

Illawarra ARS 80m net at 8:30pm, 3666kHz.

Wednesdays;

Westlakes ARC net 9:30am on 7115kHz. 2 Metre nets throughout the week, see website for details.

Hunter Radio Group net 7:30pm, on 146.975MHz and EchoLink node 1474.

HADARC 8pm on 3608.5kHz

Blue Mountains ARC 8pm on VK2RBM, 147.05MHz, 123Hz tone.

[...continues]

Amateur Radio Central West Group from 8pm on 3653kHz.

Armidale District ARC net 8:30pm on 3633kHz.

Thursdays;

Illawarra ARS net 12pm; VK2RMP 146.850 and VK2RUW on 146.675.

Fishers Ghost ARC net 7:30pm on VK2RFG, 438.65MHz with -7MHz offset and 91.5Hz tone; also, on EchoLink.

Oxley Region ARC 7:30pm on VK2RPM 146.7Mhz with 91.5Hz tone.

St George ARS 8pm, VK2RLE 146.8MHz.

The **CCARC weekly net** from 8pm on VK2RAG, 146.725MHz with 91.5Hz tone, and EchoLink.

Fridays;

Morning tea with HADARC 9am on 7106kHz.

Westlakes 9:30am on 7115kHz.

Amateur Radio Central West Group at 8pm, VK2RCW.

Saturdays;

Westlakes Stone the Crows net; 6am on 3588kHz.

Illawarra ARS net 9:30am on VK2RMP and VK2RUW.

Snowy Mountains ARC net 7:30pm on Southeast network; VK2RFS 146.75MHz, VK2RSE 147.375, VK3RDH 146.625, and EchoLink.

Sundays;

Westlakes DMR Net from 8:00am, usually on Talkgroup 3802.

Oxley Region ARC from 9am, VK2RPM.

WICEN NSW nets; 6pm on Chatswood 2m or Kurrajong 70cm repeater, 6:30pm on DMR or HF, and 6:45pm on P25. Check website for details.