

## [ID 1 and BC Team Message]

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### [Play File: 14-E-ID1-BT1126.wav]

*Duration: 1m53s*

*In: [IDENT 1]*

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

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*[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 24<sup>th</sup> of December. We will resume our bulletins, in the Morning only, from the 14<sup>th</sup> 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](mailto:news@arnsw.org.au) or leave a message with the office, 02 9444 0123.*

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## **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](mailto: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](mailto: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 17<sup>th</sup> to the 23<sup>rd</sup> of November.

First, the summary of activity;

Dates across the columns are	17 <sup>th</sup>	18 <sup>th</sup>	19 <sup>th</sup>	20 <sup>th</sup>	21 <sup>st</sup>	22 <sup>nd</sup>	23 <sup>rd</sup>
10cm Flux	120	127	140	157	172	190	194
Fredericksburg A-Index	3	2	3	4	15	17	4
Australian A-Index	2	2	2	5	13	20	2 estimated
T index	95	118	114	132	88	56	100

Solar activity reached R1 on the 18<sup>th</sup> with 3 M-class solar flares, on the 19<sup>th</sup> and 20<sup>th</sup>, each with one M-class flare, and on the 20<sup>th</sup> with an M1.2 flare. Activity remained below warning threshold on other days.

Geomagnetic activity in the Australian region remained below warning threshold.

F2 critical frequencies in Southern Australia remained mostly near predicted monthly values, with depressions of 20% observed during local day on the 17<sup>th</sup>, 22<sup>nd</sup> and 23<sup>rd</sup>. The 20<sup>th</sup> was enhanced 20% during local night, the 22<sup>nd</sup> was depressed 15%, then the 23<sup>rd</sup> returned to near predicted values at night.

The forecast, issued on the 24<sup>th</sup> of November, through until the 30<sup>th</sup>;

Solar activity is expected to be low with a chance of R1.

Geomagnetic activity may reach G1 or G2 on the 26<sup>th</sup>, with a small chance of G1 conditions continuing into the 27<sup>th</sup>. Quiet conditions are expected afterwards.

Maximum usable frequencies may be depressed after local dawn on the 26<sup>th</sup> and 27<sup>th</sup>, and near predicted monthly values on other days.

*Data courtesy of the Australian Space Weather Forecasting Centre.*

## Solar Flux Index update

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

Looking back to October, we had a;

Minimum of 119, Average of 144, and a Maximum of 166  
With peak dates from the 1<sup>st</sup> to the 16<sup>th</sup>.

Nearing the end of November, we have a;

Minimum of 118, Average of 154, and a Maximum of 195  
With peak dates from the 1<sup>st</sup> to the 12<sup>th</sup>, and the 27<sup>th</sup> to the 30<sup>th</sup>.

And looking ahead to December, we are expecting a;

Minimum of 140, Average of 147, and a Maximum of 155  
With peak dates from the 1<sup>st</sup> to the 5<sup>th</sup>, and the 25<sup>th</sup> to the 31<sup>st</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>]

## Foundations of Amateur Radio

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

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### **[Play File: 15-FOAR058.wav]**

*Duration: 3m14s*

*In: "The thing I like..."*

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

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

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### **[Play File: 16-E-ID2.wav]**

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## [WICEN News]

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

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### [Play File: 17-E-WNS1126.wav]

*Duration: 1m10s*

*In: "There are no ..."*

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

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*[Transcript]*

*Dementia Australia has started to advertise its "Memory Walk and Jog" events for 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 in times of need, you can email [wicen.ops@vrarescue.org](mailto: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 Chatswood 2m FM repeater, 147.150MHz, with net controller VK2WIC; the 6.30pm net will be on the WICEN VHF DMR network, followed at 6.45pm by a net on WICEN's VRA P25 channel.*

*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](http://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](http://wicen.org.au).*

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

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

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

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

[MWRS Fire Season Toolkit:<https://www.mwrs.org.au/2019/12/14/your-fire-season-toolkit/>]

## Club News

We start this week with news from the Oxley Region Amateur Radio Club, and their Christmas Party is coming up next weekend, on at 10:30am on Saturday the 2<sup>nd</sup> in the covered picnic area at the Long Point Vineyard and Art Gallery at Lake Cathie.

The December Coffee Morning is at 10am on Thursday the 14<sup>th</sup> of December at Brooklyn's Burger Bar, Thrumster; and the December Friday Night Get is at 7pm on Friday the 15<sup>th</sup> in the SES Building in Central Road, Port Macquarie. There is no general meeting for December.

The VK2RPM RadNet DMR repeater is now on air from Middle Brother Mountain. Its providing excellent DMR mobile and hand-held radio coverage in a large area between Port Macquarie, and Taree. There is now almost continuous DMR coverage along the Pacific Highway from south of Kempsey to south of Sydney. The VK2RPM DMR Repeater has filled in the gap that previously existed between the coverage areas of the VK2RCN DMR repeater at Telegraph Point and the Great Lakes VK2RGL DMR repeater.

This weekend saw Foundation Licence training and assessment at the Club; to register interest for the next Foundation weekend, or assessments for higher grades of licence, 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](http://orarc.org). The newly published 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. Yesterday was the Club's regular Show and Tell.

Next Saturday the 2<sup>nd</sup> of December is the Club's final General meeting of the year. The agenda has been forwarded by email to members.

Then the following Saturday, December the 9<sup>th</sup>, is the Club's Annual December Lunch. Please email [exec@ccarc.org.au](mailto:exec@ccarc.org.au) by December 2<sup>nd</sup> if you plan on coming, so we can finalise numbers.

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](http://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 each weekday from 10am, and the weekly Net is at 8pm on Thursday night. Both nets are on the VK2RAG 2 metre repeater - 146.725MHz with a 91.5Hz sub-audible tone, and on the CCARCNSW and HAM EchoLink conferences. 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](http://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.*

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**[Play File: 18-E-ID3.wav]**

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## Blue Mountains Amateur Radio Club

The Club's regular monthly meetings are on the first Friday of the month at 7:30pm. Meetings are at the Club Rooms, 4 Moore Street Glenbrook, in the Blue Mountains – doors open from 7pm.

Visitors and prospective new members are always welcome; the Club is family friendly and will be introducing new activities in the new year, suitable for everyone.

There are several weekly nets – we have details in “Activities on the air” later in this bulletin – and the Club is continuing to ‘trial’ DMR and 6 metre nets – see the Club's website for details.

The Club's next Foundation Weekend is on the 9<sup>th</sup> and 10<sup>th</sup> of December, with assessments for Standard and Advanced licences available on Sunday the 10<sup>th</sup> as well. The next Upgrade class series will start in February 2024.

Courses and exam days do fill-up quickly, so please contact Club secretary, Irene VK2VAN via email to; [secretary@bmarc.org](mailto:secretary@bmarc.org) to register, or for more information.

More information about the club can be found on the website, at [www.bmarc.org](http://www.bmarc.org).

*Advised by Steven VK2TSG  
President, Blue Mountains Amateur Radio Club.*

## **Fisher's Ghost Amateur Radio Club**

The Club's Christmas BBQ will at Cataract Dam on Sunday the 3<sup>rd</sup> of December, starting at 10am. Anyone is welcome to attend. BYO food and drinks.

The final Monthly General Meeting for 2023 will be on Wednesday the 29<sup>th</sup> of November, in Block M at the Campbelltown School of Performing Arts, Beverley Rd. Campbelltown.

The meeting starts at 7:30pm, and visitors wishing to learn more about the hobby of Amateur Radio are most welcome to attend.

Weekly nets are on Thursday evenings from 7:30pm on the Club repeater, VK2RFG. Anyone is welcome to check-in. The repeater has a negative 7MHz input and a 91.5Hz CTCSS tone is required for access, and is also on EchoLink.

To find out more about the Club's activities, visit the website at [fgarc.org.au](http://fgarc.org.au), and Facebook, by searching for VK2FG.

*Advised by Peter VK2PR  
For the Fishers Ghost Amateur Radio Club.*

## St George Amateur Radio Society

The next gathering of the Society is on Wednesday the 6<sup>th</sup> of December, 2023.

This won't be just a normal gathering, but includes both a Christmas BBQ and an Annual general meeting, as well.

Starting from about 6pm, is the Christmas BBQ in Donnelly Park. If you are interested in attend the BBQ, please check out the society's website [www.sgars.org](http://www.sgars.org) for details and to register your attendance.

After that, from about 7:30pm will be the normal monthly gathering and then the AGM where the new committee for 2024 will be elected and winners of the society's various contests announced. After the AGM, members and visitors are welcome to have a chat and partake in the Tea, Coffee, biscuits and cake.

Details about all of the Society's activities, are on the website, [www.sgars.org](http://www.sgars.org).

*73 de Peter VK2EMU  
For the St George Amateur Radio Society.*

## [Manly-Warringah Radio Society]

And now with news from the Manly-Warringah Radio Society, here's Richard VK2SKY;

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### [Play File: 19-E-MRS1126-ID4.wav]

*Duration: 1m52s*

*In: " This Wednesday is..."*

*[Out:....IDENT 4]*

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*[Transcript]*

*This Wednesday is time for another Fifth Wednesday Show and Tell night at the club. The theme for this one is "Computer-based gear or projects". Bring out your Raspberry Pis and computer- or microcontroller-based projects.*

*As usual there are prizes for Best Gear and Best Story, with a bonus prize this time of a book, "Raspberry Pi for Radio Amateurs", published by Elektor Electronics.*

*A reminder that the featured blog post on the club web site is "Your Fire Season Toolkit", an update on the article first posted during the Black Summer fires of 2019-2020. It contains a rundown of useful apps and web sites, plus some of the best emergency services audio feeds, so you can stay safe and informed this summer. A direct link can be found in the text edition of this news, and you'll also find it on the front page of the club web site.*

*The Manly-Warringah Radio Society meets every Wednesday evening at the First Terrey Hills Guides Hall, Beltana Avenue, Terrey Hills. Doors open at 7.30pm for an 8pm start, and visitors are always welcome. If you need directions, call in on the club's 2 metre repeater on 146.875, or check the club web site for details. The web site address is [mwrs.org.au](https://www.mwrs.org.au). The club is also on Facebook, X, and YouTube: just search for the club callsign, Victor Kilo 2 Mike Bravo.*

*73 Richard VK2SKY,  
Publicity Officer for the Manly-Warringah Radio Society*

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[Fire Season Toolkit: <https://www.mwrs.org.au/2019/12/14/your-fire-season-toolkit/> ]

[ MWRS on the web: <https://www.mwrs.org.au/> ]

[ MWRS on Facebook: <https://www.facebook.com/ManlyWarringahRadioSociety> ]

[ MWRS on X: <https://twitter.com/VK2MB> ]

[ MWRS on YouTube: <https://www.youtube.com/@VK2MB> ]

## 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.

The **CCARC Morning Tea net** *weekdays* from 10am; VK2RAG, 146.725MHz with 91.5Hz tone, also on EchoLink.

**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

*[...continues]*

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

**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.