

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

Later in this bulletin, we have a summary of on-air activities from both Sydney, and across New South Wales. We would welcome any updates from club and groups; simply email news@arnsw.org.au – we don't need full items, just the details of the activity and contacts.

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 welcome listeners on 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 24th to the 30th of May.

First, the summary of activity;

Dates across the columns are	24 th	25 th	26 th	27 th	28 th	29 th	30 th
10cm Flux	163	152	156	170	166	171	175
Fredericksburg A-Index	11	6	10	9	7	10	10
Australian A-Index	5	2	5	4	3	3	4 estimated
T index	140	123	115	107	109	100	103

Solar activity reached R1 on the 24th with 4 M-class flares. Activity was then low until the 27th which reach R3, with an X2.9 flare at 0708UTC. The 29th again reached R3 with 4 M class and one X1.4 flare; and the 30th was at R1 with an M1.0 solar flare. Geomagnetic activity was low to moderate, remaining below warning threshold.

Ionospheric F2 critical frequencies in Southern Australia remained mostly near predicted monthly values. Enhancements of up to 15% were observed during local day on the 24th. Depressions of up to 15% were observed during local day on the 29th.

The forecast, issued on the 31st of May, through until the 6th of June;

Solar activity is expected to be at R1 to R2, with a chance of R3; active region AR3697 may produce geoeffective CME events from the middle of the coming week.

Geomagnetic activity is expected to be low to moderate, with a chance of G1 if recent CME active turns out to be geoeffective.

Maximum usable frequencies are likely to be near predicted monthly values up to 15% enhanced. A chance of ionospheric depressions after local dawn early in the week, depending on geomagnetic activity.

Data courtesy of the Australian Space Weather Forecasting Centre.

Solar Flux Index update

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

Having finished May, we had a;

Minimum of 130, Average of 187, and a Maximum of 233
With peak dates from the 8th to the 23rd;

As we begin June, we are expecting a;

Minimum of 165, Average of 191, and a Maximum of 225
With peak dates from the 8th to the 10th, and the 23rd to the 30th.

And looking ahead to July, we are expecting a;

Minimum of 160, Average of 192, and a Maximum of 220
With peak dates from the 1st to the 7th.

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>]

[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-FOAR201.wav]

Duration: 6m27s

In: A topic that rarely...

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.

Club News

We start this week with news from the Oxley Region Amateur Radio Club; and next weekend sees the Club's 48th Annual Field Day at the Wauchope Showground Hall, on Saturday and Sunday the 8th and 9th of June during the King's Birthday long weekend.

There will be all the usual Field Day attractions, including traders, disposals, fox hunts, a DMR Code Plug clinic and a home brew competition. Field Day Dinner will be at Port Macquarie Golf Club on Saturday night. There are bacon and egg sandwiches for breakfast and steak and sausage sandwiches for lunch both days. Tea, coffee, and biscuits are included with registration. The area is a very popular holiday destination during the holiday long weekend, and accommodation is filling up fast; if you haven't already, make accommodation bookings as soon as possible. You can camp at the Wauchope Showground in your tent, caravan, or motor home; more details, and contact information for the grounds caretaker, are on the Wauchope Showground 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 site contains a wealth of Amateur Radio items in addition to club information – including the full program for the 2024 Field Day. The May 2024 issue of the club's bimonthly newsletter "Oxtales" is now online, and past issues are available 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.*

[Play File: 17-E-ID3.wav]

Central Coast Amateur Radio Club

The Kariong club rooms are open on Saturdays from 10:30am. As always, members and visitors are most welcome.

Next week on Saturday the 8th of June, the club will be conducting a portable day at the Terrigal Skillion. Have a listen around for VK2AFY/P.

At VK2RAG Somersby, the 6-metre, D-Star, Rad-Net DMR and 2m EchoLink, 70cm and 23cm service, are all fully operational. The WICEN UHF repeater is back on MMDVM, but still having some trouble; currently, only P25 and Analogue FM are available.

The Club's Weekly net is on Thursday Nights at 8pm. It's on the VK2RAG 2 metre repeater – 146.725MHz with a 91.5Hz sub-audible tone, and on the CCARCNSW and HAM EchoLink conferences. It 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.

Blue Mountains Amateur Radio Club

The next meeting of the Club is on Friday the 7th of June at the clubrooms, 4 Moore Street Glenbrook, in the Blue Mountains – doors open from 7pm. Visitors and prospective new members are always welcome.

The clubrooms are also open twice a month from about 10am, on the morning of the first and third Saturdays – unless otherwise noted on the Club's Facebook page.

The Clubs has several weekly nets – we have details in “Activities on the air” later in this bulletin – and a new net time, Sunday nights at 8pm. On the 1st and 3rd Sunday of the month, the net is on the Club's 6 metre repeater, and on the 70cm repeater on the second and fourth Sunday.

Licence Upgrade classes run on Wednesday nights, both on Zoom and in-person at the Glenbrook clubrooms. Foundation classes are offered bi-monthly.

With a 98% pass rate, the Club's courses and exam days fill-up quickly; please contact Club secretary, Irene VK2VAN via email to; secretary@bmarc.org for class dates, to register, or for more information.

More information about the Blue Mountains Amateur Radio Club, can be found on the website, at www.bmarc.org.

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

St George Amateur Radio Society

The next gathering of the Society will be on Wednesday the 5th of June, at Mortdale RSL club. The Club is in Macquarie Place, a 5-minute walk from Mortdale railway station. The club has excellent dining facilities and members are encouraged to arrive early for a bite to eat before the gathering.

At this gathering, Paul VK2GX will give a presentation on digital data over HF using WinLink and VARA. As well as being able to send text messages from one HF radio to another HF radio, these systems also allow emails to be forwarded to internet email addresses. It sounds like a fascinating aspect of amateur radio.

All are invited to the next gathering of the Society, at Mortdale RSL club, on Wednesday the 5th of June at 7:30pm.

For more information on the St George Amateur Radio Society, visit the website, www.sgars.org.

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

Hornsby and Districts Amateur Radio Club

The next mid-monthly meeting of the club is coming up on Tuesday the 11th of June, at the clubhouse of the Hornsby-Manly Rifle Club.

Starting at 8pm, It's an informal meeting, so bring a show-and-tell item – or just bring yourself – for some good conversation in a very comfortable environment.

Last week was the Club's AGM, with a new Committee elected. The Club would like to thank outgoing President Chris VK2YMW for his contribution over the last 12 months. New to the committee, the club welcomes Steve VK2AAV as President, and new Committee member Walter VK2XWB; and to thank for their continuing service, re-elected Vice President Rob VK2DIO, Secretary Steve VK2KHA, Treasurer Andrew VK2TAN, and Committee Member Rod VK2DAY.

Coming up next month is the Club's second "Christmas in July with HADARC". From noon on Sunday the 14th of July, at Magpies in Waitara, this promises to be another enjoyable lunch and afternoon with club members – be sure to save the date.

For more information on club activities, visit the website, at hadarc.org.au.

Steve VK2AAV

For the Hornsby and Districts Amateur Radio Club.

[ID4 and Activities on the air]

[Play File: 18-E-ID4-AOTA5.wav]

Duration: 5m31s

In: [IDENT 4]

Out: ...the office phone, 02 9444 0123.

[Transcript]

I'm Mathew VK2YAP.... And I'm Stuart VK2BMX.

It's time for your quick trip around the bands for this week, with; 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, on 146.975MHz.

The **Blue Mountains ARC** D MR Net at 7:30pm on Brandmeister 50520, hosted by Ben VK2AFK.

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 7:30pm on Talkgroup 505.

Blue Mountains ARC net from 8pm, 3543kHz.

St George ARS digital net, 8pm on 146.8MHz

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

[...continues]

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.

Armidale ARC net 7:30pm on 3633kHz.

HADARC 8pm on 3608.5kHz

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

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

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.

*Don't forget to get your activities on the air here... send us through the details of your activity!
Email the details, to news@arnsw.org.au... or leave a message on the office phone, 02 9444 0123.*
