

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.

Petition Update

In last week's bulletin, we mentioned the petition to parliament, created by Andy VK2AAK. This petition seeks to direct ACMA, the regulator, to issue an appropriate validation document to all authorised Australian radio amateurs.

The need for improvement has come about since the change to the class licence structure. Some amateurs have encountered difficulty in proving their credentials to access amateur-radio related services online, and for obtaining reciprocal licencing in other countries.

The full official petition can be found on the Australian Parliament house e-petitions page – search for EN6254, that's ECHO NOVEMBER 6254. Any Australian resident or citizen can sign and support this petition – you don't have to be a radio amateur – and it is open until Wednesday the 26th of June.

[link to APH e-petition; <https://www.aph.gov.au/e-petitions/petition/EN6254>]

Weekly Solar and Geophysical Report

For the period of the 14th until the 20th of June.

First, the summary of activity;

Dates across the columns are	14 th	15 th	16 th	17 th	18 th	19 th	20 th
10cm Flux	169	171	167	180	193	196	203
Fredericksburg A-Index	8	18	9	11	11	9	8
Australian A-Index	2	9	8	8	6	6	3 estimated
T index	106	110	118	120	124	121	113

Solar activity reached R1 on the 14th, and 15th, each with one M-class flare; on the 17th, with 3 M-class flares; on the 18th with two and on the 19th with one, M-class flare. R2 activity was observed on the 20th, with an M1.1 and an M5.7 flare at 2316UTC.

Geomagnetic activity observed in the Australian region was low to moderate, remaining below warning threshold; However, a weak geomagnetic impulse was observed on the 15th, with a 13 nanoTesla impulse registered at 1155UTC.

Ionospheric F2 critical frequencies in Southern Australia remained mostly near predicted monthly values.

The forecast, issued on the 21st of June, through until the 27th;

Solar activity is expected to be at R1 to R2 levels, with activity likely to increase from the 23rd, due to the return of previously active solar region AR3697.

Geomagnetic activity is expected to be at low to moderate levels.

Maximum usable frequencies are likely to near predicted monthly values, although shortwave fadeouts are possible.

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 186, and a Maximum of 233
With peak dates from the 8th to the 23rd;

So far for June, we are expecting a;

Minimum of 165, Average of 187, and a Maximum of 210
With peak dates from the 5th to the 7th, and the 19th to the 29th.

And looking ahead to July, we are expecting a;

Minimum of 165, Average of 181, and a Maximum of 195
With peak dates from the 1st to the 6th, and the 26th to the 31st.

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-FOAR210.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; their July General meeting will be at 2pm on Saturday the 6th of July, at the SES Building in Port Macquarie.

The next Foundation Licence training and assessment weekend will be held as soon as sufficient candidates have registered. Candidates for the Foundation Licence and for assessments for all grades of licence should register their interest via the contact form on the Club 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. 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: 18-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 Saturday the 29th of June, will be the monthly show-and-tell. If you something you'd like to share, take it along to the Club. If you can't bring it, bring some digital images to display on the projector.

At VK2RAG Somersby, the 6-metre, D-Star, Rad-Net DMR and 2m EchoLink, 70cm and 23cm service, are all fully operational, as are the 2m and 70cm DMR, and P25.

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.

Fisher's Ghost Amateur Radio Club

The next General Meeting of the Club is on this Wednesday the 26th of June, in Block M, Campbelltown School of Performing Arts, Beverley Road 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 on 438.65MHz. 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, 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 will be on Wednesday the 3rd of July, 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.

A few weeks ago, was the 80th anniversary of D-Day – the Allies invasion of Normandy in 1944. Before the invasion, there was lots of work to be done by the planners and they needed information. Lots of this information came via radio.

You can learn about Wireless Espionage – A compelling story of how Secret Agents working behind enemy lines in France and Norway, changed the course of World War 2 with clandestine radio transmitters and receivers.

Wal VK2ACE will give a presentation detailing the specialised radio technology used, and the bravery of the wireless telegraphy operators themselves; many of whom gave their own lives to defeat the Nazi war machine and ultimately, win the war.

All are invited to the next gathering of the Society, at Mortdale RSL club, on Wednesday the 3rd of July 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 Club has an excellent repeater facility at Storey Park in Hornsby, that hosts the 2m FM repeater along with a new multi-mode digital repeater on 70cm on 439.975MHz. In recent months, much work has been going on to update the equipment, including the installation of a solar power system.

At the Club's June monthly meeting, Steve VK2AAV will talk about the new solar power system and Rob VK2DIO will talk about the new repeater equipment.

Come along to the Mount Colah Community Centre on Tuesday the 25th of June; the meeting starts at 8pm.

And, don't forget to save the date, for the second annual "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.

For more information on all 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-AOTA6.wav]

Duration: 5m14s

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.

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.

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.

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.

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.*
