

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

This week work commenced at VK2WI Dural, to fit out the new monopole with brackets and coax feeders, ready to mount and connect the new antennas. As always seems to be the case, Murphy's law intervended during the week, with the heavy rain after so many weeks of dry conditions causing some delays. Nonetheless, by Saturday evening, all antennas had been fitted and about half of the coax feeders installed. The remainder of the coaxes will be installed in the coming week, and fed into the VK2WI building and terminated at the antenna patch panel.

Those attending next week's Trash & Treasure will be able to view the results first hand; some photos have been posted to the ARNSW Facebook site. Speaking of the Next Trash & Treasure – next Sunday the 29th – some of the items available are listed in coming issue of *All Access*, which is due out in the next few days.

Next Sunday is also an opportunity to apply for or renew membership, or order a membership badge; we need a few more badge orders to reach the minimum order quantity.

Amateur Radio magazine for September / October has been posted, and started to arrive in mailboxes last Friday.

Once again this week, we welcome those listening via the EchoLink "HAM" conference, and the ANZEL network; a reminder that callbacks to this news will be taken after the bulletin, and our thanks to John VK3HJQ and the whole ANZEL team, for making this relay available to VK2WI News.

ARNSW Radio Experimenters Group

The next bi-monthly meeting is at noon next Sunday the 29th, after the Trash and Treasure. It's at the usual location – here at VK2WI, 63 Quarry Rd Dural.

This month, we will have a presentation by Gary VK2KYP, entitled "An introduction to Microwaves".

Years ago, microwaves, those frequencies above about 2 or 3GHz, were considered both exotic and difficult. In this presentation, Gary will introduce the audience to microwaves and show how easy it is to get on these frequencies using second hand and disposal equipment, including some you might find on the \$2 tables at Dural.

The meeting will start with the usual "Show and Tell" segment where members of the audience get up to show some project that they have been working on.

All are welcome – noon on Sunday the 29th of September, at 63 Quarry Rd Dural.

*Advised by Peter VK2EMU
Coordinator, ARNSW Radio Experimenters Group*

JOTA 2019 Update

Jamboree On The Air 2019 is fast approaching; so, to assist those involved in setting up and operating an amateur radio station for guide and scout groups over the JOTA weekend, there will be meeting held next Sunday morning the 29th of September, here at ARNSW Dural.

The meeting will be an opportunity to meet with fellow operators, catch up on the latest JOTA information and exchange ideas. The meeting is scheduled to commence at 10.30 am in the upstairs training room of the Centenary building. The meeting is expected to be about one hour in duration, so you will still have time to browse through trash and treasure items and attend the radio experimenters group meeting following lunch.

Submitted by Paul VK2GX

JOTA Coordinator for The St George Amateur Radio Society.

Weekly Solar and Geophysical Report

For the period of the 13th to the 19th of September.
First, the summary;

Dates across the columns are	13 th	14 th	15 th	16 th	17 th	18 th	19 th
10cm flux	68	69	68	69	68	66	67
Fredericksburg Index (Afr)	8	7	8	10	8	8	4 estimated
Australian Index (Aaus)	5	4	5	6	5	6	2 estimated
T index	-1	-2	-1	+4	-3	+7	+2

Solar activity was very low all week.

Geomagnetic activity was quiet from the 13th to the 15th, quiet to unsettled on the 16th, quiet on the 17th, again quiet to unsettled on the 18th; then the 19th returned to quiet conditions.

F2 critical frequencies in the southern Australian region, were near predicted monthly values, during daylight hours, from the 13th to the 15th, with night time enhancement of 30% on the 13th, 25% on the 14th and 35% on the 15th, which continued with 30% enhancement after local dawn. The 16th saw enhancement of 15% during day and 50% during local night; the 17th was near predicted during the day and enhance 35% at night, continuing to 20% after local dawn; the 18th was enhanced 15% during the day, and 45% at night, continuing to 25% enhancement after local dawn; then the 19th was near predicted during the day, 15% enhanced at night at 25% after local dawn.

Now, the forecast for the 20th to the 26th of September;

Solar activity is expected to be very low.

Geomagnetic activity is expected to be at quiet to unsettled levels.

Maximum Usable Frequencies should remain 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 August, the figures were a;

Minimum of 66, Average of 67, and a Maximum of 69
With peak dates from the 17th to the 20th

So far in September, we expect a;

Minimum of 66, Average of 69, and a Maximum of 74
With peak dates from the 8th to the 11th, and the 24th to the 30th

And looking ahead to the prediction for October, we are expecting a;

Minimum of 68, Average of 69, and a Maximum of 70
With peak dates from the 1st to the 8th, and the 21st 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>]

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What use is an F-call?

Tonight, we continue with the series, written and produced by Onno VK6FLAB. Each episode looks at different aspects of the diverse hobby of Amateur Radio.

[Play File: E-FCAL065.wav]

Duration:2m09s

In: "What use is an F-call?"

Out: "I'm Onno vk6flab"

For more information about this series, including transcripts and useful resources for F-calls, Onno's website is; vk6flab.com, or follow him on Twitter, @VK6FLAB.

ARRL DX news

FIJI; Heli, DD0VR will be active as 3D2VR from September 23 to 27. Activity will be on the HF bands using only SSB.

UGANDA; Anton, ON6NL is active as 5X8C from Entebbe until October 7 while working on telecom training. Activity is in his spare time and includes an entry in the upcoming CQ World Wide RTTY DX contest.

GUYANA; Rudi, DK7PE will be active as 8R1CW beginning September 21 and there for a week. Activity will be in his spare time.

TONGA; Grant, VK5GR, Oly, VK5XDX and Andrew, VK5AKH will be active as A35JT from Tongatapu, IOTA OC-049, from September 22 to October 7. Activity will be on 80 to 10 metres using CW, SSB and various digital modes. This includes entries in the upcoming CQ World Wide RTTY DX and Oceania DX contests.

NAURU; Operators Yuris, YL2GM, Jack, YL2KA, Kaspars, YL1ZF and Kristers, YL3JA are active as C21WW until September 25. Activity is on 160 to 6 metres, and possibly 60 metres, using CW, SSB, RTTY and FT8 in DXpedition mode.

SOUTH COOK ISLANDS; Fred, DH5FS is active as E51SFS from Aitutaki Island, IOTA OC-083, until September 25. Activity is holiday style on 40 to 10 metres using CW and FT8.

SPAIN; Special event station AM500SAN is active until September 29 to commemorate the 500th anniversary of the first circumnavigation.

BALEARIC ISLANDS; Philippe, EA4NF is active as EA6/EA4NF from Formentera Island, IOTA EU-004, until September 23. Activity is on the HF bands, including various Satellites, using SSB and FM.

ST. PIERRE AND MIQUELON; Eric, KV1J will be active as FP/KV1J from Miquelon, IOTA NA-032, from September 24 to October 8. Activity will be on 160 to 6 metres using primarily SSB, RTTY and FT8 with some CW. This includes some activity on the analog Satellites, as well as an entry in the upcoming CQ World Wide RTTY DX contest.

CRETE; Frank, PH2M is active holiday style, as SV9/PH2M, until October 3.

HONDURAS; Operators W1UE, N2WQ, LZ5VV, SP4Z and VE3JI are active as home calls/HR9 from Roatan Island, IOTA NA-057, until October 7. They will be active as HQ9X in the upcoming CQ World Wide RTTY DX contest as a Multi-2 entry.

MINAMI TORISHIMA; Kazu, JD1BNA plans to be active as JD1BNA/JD1 from September 25 to 30. Activity will be on 160 to 17 metres using mostly CW with a little SSB and FT8.

AUSTRIA; Special event stations OE190APD, OE192APD and OE196APD will be active until October 20, to draw attention to Animal Protection Day, that takes place on October 4.

PAPUA NEW GUINEA; Tim, KD5SSF plans to be active as P29ZL from Ukarumpa and active until April 1, 2020. Activity is mainly on 40, 30 and 20 metres from 0800 to 1200UTC using SSB and FT8, and FSKCW.

SEYCHELLES; Lance, W7GJ is active as S79GJ from La Digue Island, IOTA AF-024, until October 5. This is a 6 metre EME DXpedition. When the Moon is not visible, he is active on 20 and 6 metres using SSB and some FT8.

EAST KIRIBATI[kir-uh-BAS] ; Ken, KH6QJ is active as T32AZ on Christmas Island, IOTA OC-024, until September 24. Activity is on 80, 40, 20 and 15 metres using CW and SSB.

THIS WEEKEND ON THE RADIO. The ARRL EME Contest, ARRL 10 GHz and Up Contest, All Africa International DX Contest, Collegiate QSO Party, NCCC RTTY Sprint, NCCC CW Sprint, Activity Group of Belarus 80-Metre NEMIGA Contest, SARL VHF/UHF Digital Contest, Scandinavian Activity CW Contest, Iowa QSO Party, QRP Afield, New Hampshire QSO Party, New Jersey QSO Party, Washington State Salmon Run, Wisconsin Parks on the Air and Feld Hell Sprint will certainly keep contesters busy over this weekend.

The 144 MHz Fall Sprint and Classic Phone Exchange are scheduled for September 23. The UKEICC 80-Metre CW Contest, CWops Mini-CWT Test, SKCC CW Sprint and Phone Fray are scheduled for September 25. The Canadian National Parks on the Air, CNPOTA, event continues throughout 2019, with special stations active from Canada's parks and historic sites.

WICEN News

WICEN NSW has provided two members as part of the Volunteer Rescue Association's contribution, to a search for a missing person along the rugged coast around Scarborough and the Sea Cliff Bridge, north of Wollongong.

The AGM was held here at ARNSW Dural yesterday afternoon; Lindsay VK2FLEA was elected President along with Neil VK2XNF as vice president, secretary Steve VK2MCA and treasurer Doug VK2DCR. WICEN also welcomes John VK2JV who was newly elected to the committee.

The Hounslow Classic is a running event in the upper Blue Mountains, around Blackheath and Grose Valley, on September 28 & 29. The Hawkesbury Canoe Classic, including the new Classic Relay, runs from Saturday October 26th, overnight to Sunday the 27th.

The next WICEN training session will be on Sunday the 6th of October, here at ARNSW Dural. WICEN Members are also encouraged to take advantage of the free courses offered by the Office of Emergency Management.

Sunday, October 13th is Volunteers Memorial Day.

WICEN's website is at nsw.wicen.org.au. Facebook users will find an official WICEN NSW page, and an informal national WICEN group.

The WICEN Mid North Coast Region meets at 3:30pm on the first Saturday of the month, at SES HQ, Central Road, Port Macquarie. The region's HF net is on Thursday evenings from 7pm, on the band-plan's 80 metre WICEN frequency of 3.6MHz.

WICEN ACT is part of the Canberra Region Amateur Radio Club, supporting events in the ACT and Capital Country, and on the South Coast of NSW. On October 4th and 5th, WICEN is providing support for ANU's Inward Bound; the LCCC Monaro Stages are on Saturday the 19th; and Fitz's Challenge is on Sunday the 27th of October. For more information, see the WICEN and Events pages on www.crarc.ampr.org.

WICEN Victoria is supporting the Stockman's Rally on October 27th in Big River State Forest, and the Alpine Rally, November 29 to December 1, around Lakes Entrance. The weekly net is on each Tuesday at 8:30pm, on 3.6MHz. More information on WICEN Victoria is on their website, vic.wicen.org.au.

[URL for OEM: <https://www.emtraining.nsw.gov.au/>]

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Club News

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

The next meeting will be the October monthly general meeting, at 2pm on Saturday the 5th of October, in the SES Building in Central Road, Port Macquarie.

On Saturday the 19th of October, club station VK2BOR will participate in JOTA from the Scouts and Guides District event at Port Macquarie.

Club members will provide the safety communications for the 40th annual Beechwood Billycart Classic on Sunday the 27th of October.

Candidates for the Foundation, Standard and Advanced Licences should contact the club via PO Box 712 Port Macquarie NSW 2444 regarding training and assessments .

The club conducts two nets each week; the mid-week net starts at 7:30pm on Thursday nights, and the weekend net starts at 9am on Sunday mornings. Both nets are on the VK2RPM 2 metre repeater on 146.7MHz, which requires a 91.5Hz sub-audible tone for access.

Visitors are always made very welcome at the club's monthly general meetings at 2pm on the first Saturday of each month, and at the Friday night gathering at 7pm on the evening of the third Friday of each month. The venue for all these meetings is the SES Building in Port Macquarie.

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 newly published September 2019 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 ORARC.

*Submitted by Henry VK2ZHE
For the Oxley Region Amateur Radio Club.*

Central Coast Amateur Radio Club

The next General Meeting of the club will be on Saturday the 5th of October, and all are invited, especially visitors.

Meetings of the club are at the Clubrooms in Dandaloo St, Kariong, just past the fire station. Meetings start at 1pm, preceded by the famous sausage sizzle at noon, run by master chef Steve VK2SKC, followed by Karen VK2AKB's homemade cakes and pikelets.

The Clubrooms are accessible by bus, with a stop just opposite Dandaloo St, serviced by the route 34 bus from Gosford railway station every hour; and one can usually arrange a lift back. The Clubrooms are usually open from 10.30am on Saturday, for general chit-chat and access to the Club workshop and library.

The Club relays VK2WI News every Sunday morning and evening. Callbacks are taken after the morning news only, on the Somersby 6 and 2m repeaters VK2RAG on 53.725 and 146.725 MHz respectively; both repeaters require the standard sub-audible tone of 91.5 Hz.

The 70cm VK2RAG repeater on 439.950MHz is a mixed-mode repeater; currently supporting analogue FM and P25, with IRLP and Echolink access coming soon. A 91.5 Hz tone is required for analogue access, and highly recommended for receiving.

There is also a packet radio BBS on 147.6MHz as VK2EHQ; it can also be accessed via digipeater VK2RAG-1.

There is a net every Thursday, starting at 7pm on Thursday during the winter months, on the 2m repeater VK2RAG on 146.725; all members are encouraged to join. Listeners may "join" the Club net by email to netmaster@ccarc.org.au and their comments will be read out.

The Club also has a Facebook page: just look for "centralcoastarc" and be sure to "like" it to receive further updates. There is also a Twitter account on @ccarclub [pronounced "At CC AR Club"], and a YouTube channel of the weekly streaming news via several modes which is proving to be quite popular, especially with Amateurs both interstate and overseas.

For more information about the Central Coast Amateur Radio Club, visit the website at www.ccarc.org.au.

*Advised by Dave VK2KFU
For the Central Coast Amateur Radio Club.*

Fisher's Ghost Amateur Radio Club

The next meeting of the Club is this Wednesday the 25th of September, at McDonald's Woodbine, commencing at 7:30pm. Visitors wishing to learn more about the hobby of amateur radio are most welcome to attend.

The Club's weekly net, on Thursday evenings, starts at 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. A 91.5Hz tone is also sent.

The Club's Facebook page can be found by searching for VK2FG, or to find out more about the Club's activities, visit the website at fgarc.org.au.

*Submitted by Peter VK2PR
on behalf of the Fisher's Ghost Amateur Radio Club.*

St George Amateur Radio Society

The next gathering of the Society is on Wednesday evening, the 2nd of October.

At this gathering, Rob VK2ATC will talk about "Open source in amateur radio". He will cover open source in amateur radio, software defined radios, both receiving and transmitting, and Linux in amateur usage. Practical demonstrations of analog and digital technology will be provided, with a Question and answer session afterward.

There will be the usual refreshments; All members, local amateurs and others interested are invited to attend.

The meeting rooms are at Donnelly Park, Kyle Parade, Connells Point – near South Hurstville, and the gathering starts at 7.30pm on Wednesday 2nd of October.

The "What Three Words" address for the club is "torch bath frosted".
[\[http://map.what3words.com/torch.bath.frosted\]](http://map.what3words.com/torch.bath.frosted)

*Advised by Peter VK2EMU
for the St George Amateur Radio Society.*

Hornsby and Districts Amateur Radio Club

The next meeting is the monthly general meeting on Tuesday the 24th of September starting at 8pm. It's at the Mt Colah Community Centre, near the northern end of Pierre Close, opposite the eastern entrance of Mt Colah railway station.

The Club runs three nets each week; Monday's net starts at 8pm on the VK2RNS 2 metre repeater, 147.250MHz No tone is required, but a 91.5 Hz tone is sent. 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.

HADARC's website is at www.hadarc.org.au. The club has a group on Facebook, which can be found by searching for VK2MA, and on twitter, @VK2MA.

*Submitted by Julian VK2YJS
HADARC Publicity Officer.*

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Summary of coming events;

September

HADARC monthly general meeting on the 24th

Fishers Ghost ARC meeting at Woodbine on the 25th

JOTA Meeting here at ARNSW Dural on the 29th

ARNSW Trash & Treasure and Radio Experimenters Group on the 29th

October

St George ARS gathering at Connells Point on the 2nd

Oxley Region ARC Monthly meeting on the 5th

CCARC monthly meeting on the 5th

Armadale and District ARC AGM on Saturday the 6th

Westlakes ARC Field Day, Sunday the 13th

Jamboree on the Air, JOTA, from the 18th to the 20th

ARNSW November Foundation Course bookings close on the 25th

Hawkesbury Canoe Classic, a WICEN event, from the 26th to the 27th

November

Summerland ARC Advanced licence course 4th to the 8th

Summerland ARC Foundation course on the 9th and 10th

ARNSW Foundation Course and licence exams on the 9th and 10th

Waverley ARS Foundation weekend on the 16th and 17th

ARNSW Trash & Treasure and Radio Experimenters Group on the 24th