

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

If you took part in last weekend's Remembrance Day Contest, don't forget to submit a log entry. Even if you only had a few contacts; All entries help your States' total.

It's that time of year again, and another run of ARNSW membership badges will be ordered soon. If you're a member, and haven't got yours already, you have until the end of the month to make your request. Email office@arnsw.org.au with your Given name and callsign. Delivery is expected towards the end of September.

US Licence exams in Sydney

If you are interested in obtaining a US amateur licence, the Sydney-based ARRL Volunteer Examiner team are conducting an assessment session next Sunday morning the 27th of August, at Bankstown Airport.

Candidates for a US licence, need to study all grades up to the one which they wish to obtain, but all the papers necessary can be sat for the one affordable fee. To aid this, there are a range of online, printed, and audio learning resources available. You can find the question pools, and the FCC "Part 97" rules on the web, at: ncvec.org.

For more information, contact Julian VK2YJS, or look up the Facebook group "USA Amateur Radio Licence Exams in Australia"
[\[https://www.facebook.com/usahamsinoz/\]](https://www.facebook.com/usahamsinoz/)

Submitted by Julian VK2YJS

JOTA 2017

This year will be the 60th Jamboree On The Air, held in over 150 countries world wide.

It started in 1957, when scout leader and amateur radio operator Leslie Mitchell G3BHK, came up with the idea of using amateur radio to bring scouts together without the tyranny of travelling long distances.

Amateur radio has seen many changes in the past 60 years, with new digital technologies having much to offer the tech hungry youth members of today. Jamboree On The Air is a great opportunity for amateur radio operators to share our evolving hobby with guides and scouts everywhere.

To ensure Jamboree On The Air is conducted in a safe environment for all youth members, as with all volunteers, amateur radio operators aged 18 years and older must have a current working with children check which has been be verified by Scouts New South Wales.

If you are considering taking part in JOTA 2017 and do not have a current Working with Children Check, then apply now to ensure you have your working with children check verified before the 20th October.

An application must be completed on the NSW Government Office of the Children's Guardian web site. Just search for "NSW working with children check" in your favourite search engine. Applications for volunteers are processed free of charge.

Once you receive your working with children check, you must provide your details to Scouts NSW for verification before 20th October.

As applications can take up to six weeks for processing, please don't delay to ensure you can share your hobby with youth members during the 60th Jamboree On The Air.

More information is available at the Jamboree On The Air Australia web site www.jota.sgars.org.

*Submitted by Paul VK2GX
JOTA coordinator for The St George Amateur Radio Society*

Weekly Solar and Geophysical Report

For the period of the 11th to the 17th of August.
First, the summary;

Dates across the columns are	11 th	12 th	13 th	14 th	15 th	16 th	17 th
10cm flux	70	70	68	73	74	77	77
Fredericksburg Index (Afr)	7	12	9	5	3	5	23 estimated
Australian Index (Aaus)	5	7	4	3	1	4	16 estimated
T index	9	16	12	7	7	12	17

Solar flare activity was very low from the 11th to the 13th, low on the 14th and 15th, then very low again on the 16th and 17th.

Geomagnetic activity in the Australian region, was quiet to unsettled from the 11th to the 13th, quiet from the 14th to the 16th, then quiet to active on the 17th, with some isolated minor storm periods.

F2 critical frequencies in the southern Australian region, stayed near predicted values throughout during local daylight periods, however some enhancements were observed during local nights; 15% on the 11th, 45% enhanced on the 12th, 25% on the 13th, 20% on the 15th, 35% on the 16th, and 30% on the 17th.

Now, the forecast for the 18th to the 24th of August;

Solar flare activity is expected to be very low to low.

Geomagnetic activity is expected to reach unsettled to minor storm levels on the 18th and 19th, then unsettled to active levels on the 20th. Quiet to unsettled conditions are expected on other days.

Maximum Usable Frequencies; unfortunately the enhancements we have just seen don't look likely to last – minor to moderate depressions are expected on the 18th and 19th, some minor depressions on the 20th, then mostly near predicted monthly values on the other days.

Data courtesy of Space Weather Services.

Solar Flux Index update

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

Firstly, for July, the figures were;

Minimum 68 Average 78 Maximum 95
With peak dates between the 8th and the 19th

Now, nearly halfway through August;

Minimum 69 Average 72 Maximum 78
With peak dates between the 1st and 7th, and the 16th to the 25th

And looking ahead to the prediction for September;

Minimum 68 Average 70 Maximum 74
With peak dates between the 1st to the 9th, and the 27th to the 30th.

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 Evening ID2]

ARRL DX news

A number of stations are currently taking part in the International Lighthouse and Lightship weekend;

CUBA; A group of operators are active as T45FM from the Faro Puta Maya Lighthouse, ILLW CU-005. Six stations are active on all bands using CW, SSB and various digital modes.

PORTUGAL, CT; A group of operators from the Nucleo de Radioamadores da Armada are active as CR1FF from the Farol da Ponta Ferraria Lighthouse on Sao Miguel Island, IOTA EU-003. Activity is on the HF bands using CW and SSB.

GERMANY; Operators DH3WO, DJ2HD, DJ2BQ and DL3DXX are active as DA2017LH from Fluegge Lighthouse, on 80 to 10 metres using CW and SSB.

SPAIN, EA. A group of operators are active as EG1LWV from the Faro Cabo Vilano Lighthouse.

PANAMA; Members of the Radio Club de Panama are active as 3E1L from the Canal Miraflores Lighthouse.

INDIA; Members of the Goa Radio Amateurs Society are active as AU2LH from the Betul Lighthouse, on 40 to 10 metres using CW, SSB and various digital modes.

MEXICO, XE; Members of the Radioexperimentadores de Campeche are active as 4A3AA from the Isla Aguada Lighthouse.

And in other activity coming up;

LESOTHO, 7P. Quintus, ZS2KU and Vaughan, ZS2VR are active as 7P8QM and 7P8VRR, respectively, from the Sani Pass Region until August 21.

SABLE ISLAND, CY0. Aaron, VA1AXC is active as CYO/VA1AXC until the end of August, on 20 metres using SSB.

PHILIPPINES, DU. Dale, KE0BRZ, is active as DU1/KE0BRZ from Palawan until August 22. Activity is holiday style on 20 metres using SSB and QRP power.

FRENCH POLYNESIA, FO. Operators F6BCW and F6DTZ are active as TX5EG from Moorea until September 5. They may also be active as FO/F6BCW and FO/F6DTZ, respectively. Activity is on 80 to 12 metres using CW, SSB, RTTY and PSK.

POLAND, SP. Special event station HF700LUB is active until August 2018 to celebrate the 700th anniversary of the city Lublin. Activity is on the HF bands using CW, SSB and various digital modes. In addition, look for 3Z20ILLW to be active from the Jaroslawiec Lighthouse, ILLW PL-0014, during the International Lighthouse/Lightship Weekend.

ANTARCTICA. Raj, VU3LBP is active as VU3LBP/p from the Bharati Station, Larsemann Hills, IOTA AN-016, until November 2017.

MARSHALL ISLANDS, V7. Randy, WW6RG will be active as V73/WW6RG from Kwajalein Atoll from August 21 to 24. Activity will be on 14205 kHz using SSB between 0300 and 0730z.

CAMBODIA, XU. Rene, F6CTW is active as XU7AEZ from Phnom Penh until August 29. Activity is on 20 metres using CW.

INDONESIA, YB. Special event station YB67TJG will be active until August 27 to mark the founding of the province Jawa Tengah, 67 years ago. This includes operations from the Borobudur Central Java Amateur Radio Fair 2017.

THIS WEEKEND ON THE RADIO. Besides the International Lighthouse/Lightship Weekend, there is the ARRL Rookie Roundup RTTY, QRP 20-Meter CW Fox Hunt, NCCC RTTY Sprint, NCCC Sprint CW Ladder, SARTG World Wide RTTY Contest, Russian District Award Contest, Keyman's Club of Japan CW Contest, Feld Hell Sprint, North American SSB QSO Party, CVA DX CW Contest and the SARL HF Digital Contest.

The Solar Eclipse QSO Party and Run for the Bacon QRP CW Contest are scheduled for August 21.

The CWops Mini-CWT CW Test, SKCC CW Sprint and Phone Fray are scheduled for August 23.

WICEN News

The AGM of WICEN NSW Incorporated, is on next Saturday the 26th of August, starting at 2pm, here at ARNSW, 63 Quarry Road Dural.

The Great North Walk 100s is a long distance race with 100 km and 160 km options, from Teralba near Lake Macquarie to Patonga Wharf. It runs from the 9th to 10th September, and will be a good event for new operators.

The VH-MDX SAREX is over the weekend of 15th to 17th September. SAREX is a search and rescue exercise built around the search a light aircraft missing since 1981, in the rugged Barrington Tops, north of Newcastle. While some checkpoints can be accessed by a regular car, others require a four wheel drive.

In October, the Trek for Timor in Kangaroo Valley is on 7th and 8th, for more details visit the website, kvrp.net.au. VRA Memorial Day is Sunday, October 15, and the Hawkesbury Canoe Classic is held overnight on the weekend of the 28th and 29th of October.

The WICEN New South Wales website, at nsw.wicen.org.au - includes a printable membership form, a web contact form, other contact details, and some useful links. Facebook users will find the official WICEN NSW page, and an informal national WICEN group.

The Mid North Coast Region will be supporting the AMSAG Johns River Rally, between Johns River and Heron Creek, on Saturday, 28 October.

WICEN Northern Rivers holds a weekly net on Tuesdays at 8pm local time, on the Lismore repeater VK2RSC on 146.8 MHz, requiring a 123 Hz tone. Listen for VK2WIR.

WICEN ACT is part of the Canberra Region Amateur Radio Club, supporting events in the ACT and Capital Country. September 2nd and 3rd is the ACTERA Brookvale Horse Enduro on the north-west border of the Territory. Fitz's Challenge is a cycling event on Sunday October 29. For more information visit: www.crarc.ampr.org.

WICEN Victoria holds a net every Tuesday at 8:30pm, on or near 3.6 MHz. The Stockman's Rally on September 17 is a non-competitive motorcycle event in Big River State Forest. Their website is vic.wicen.org.au.

*Submitted by Julian VK2YJS
on behalf of the WICEN NSW State Management Committee.*

[Play Evening ID3]

Club News

We start this week with news from the Hunter Radio Group.

The next meeting of the Group is coming up on Friday the 8th September. The location as usual, will be NBN T.V. Studios at Mosbri Crescent, Newcastle.

The Hunter Radio Group operates three repeaters at Mount Sugarloaf, serving Newcastle and the Lower Hunter. 146.9MHz is best suited for mobile coverage throughout the area; and 146.975 MHz with ECHO Link and on UHF 438.025MHz general use. There is also a 6 metre beacon, on 50.288 MHz.

*Regards, Rodney VK2CN
Secretary, Hunter Radio Group*

Oxley Region Amateur Radio Club

The next meeting of the club is the September monthly general meeting, 2pm on Saturday the 2nd of September in the SES Building in Port Macquarie.

The club station VK2BOR participated in the International Lighthouse and Lightship Weekend yesterday, the 19th of August 2017, from the club's Communications Caravan at the Tacking Point Lighthouse.

The club's participation in the RD Contest last weekend from the Camden Haven Airfield was a great success, with some 250 contacts made from the club station while still having time to socialize and relax in idyllic surroundings during a weekend of absolutely perfect weather.

Candidates for the Foundation, Standard and Advanced Licences should contact the club via PO Box 712 Port Macquarie NSW 2444 as soon as possible. Training courses and assessments for the Advanced, Standard and Foundation licences run, once sufficient candidates have registered.

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

Visitors are always made very welcome at monthly general meetings, at 2pm on the first Saturday of the month, as well as at Friday night gatherings, at 7pm on the third Friday of the month. The venue for all club meetings is the SES Building in Port Macquarie.

For more information about the Club, visit the website at orarc.org. The site contains a wealth of Amateur Radio items in addition to the club information. The July 2017 web edition of the club's bimonthly newsletter "Oxtales" is now online, and past issues are available on the website as well.

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

Manly-Warringah Radio Society

Club station VK2MB has been active from Barrenjoey Lighthouse at Palm Beach, for International Lighthouse and Lightship Weekend.

Last Wednesday's lecture on 3D printing, by Malcolm VK2TMF, is up the club YouTube channel. Just search for the club callsign VK2MB.

Next Sunday the 26th, Sydney University will be hosting an Electrical Engineering Open Day, and VK2MB aims to operate a portable HF station there. No doubt there will be other things to see, especially if you're considering going to uni.

To round off August, Wednesday the 30th is the club's "5th Wednesday theme night", where the theme will be "Cameras". If you have any unusual camera or photographic gear to show off, this will be the time to do it.

Next month, the "new and improved" Flagpole Challenge will take place on Saturday 16 September. The new rules will be on the club web site soon.

Finally, audio from the VK2RMB two metre repeater is now being streamed live to the internet, 24 hours a day. Go to the Broadcastify.com web site, or get the free Scanner Radio app from your favourite app store, and search for "VK2RMB". Check how well you are getting into the repeater or keep an ear on activity when you don't have a radio nearby.

Visit the club web site at mwrs.org.au for more information about the contest and other club projects such as the WebSDR (sponsored by ARNSW), the club YouTube channel **VK2MB-TV**, the club's Scouting program and much more.

The Manly-Warringah Radio Society meets every Wednesday evening at the 1st 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 two metre repeater on 146.875 MHz, or visit the club's web site at mwrs.org.au for more information.

*73 Richard VK2SKY
MWRS Publicity Officer*

Hornsby and Districts Amateur Radio Club

The next meeting is the monthly meeting on Tuesday the 22nd. At this meeting, Bob VK2ZRM, will give a talk on adding colour LCD, or TFT displays, to projects. The meeting starts at 8:00 pm at the Mount Colah Community Centre.

Next months mid-monthly meeting, on the 12th of September, will be a dinner at a club near Waitara station, with family members welcome. Please contact HADARC to book.

Meetings are held at Mount Colah Community Centre, near the northern end of Pierre Close, opposite the eastern entrance to Mount Colah Railway Station. Additionally, two buses from Hornsby can be used: the 595 straight up the original Pacific Highway, or the 598 via the backstreets of Hornsby North and across to Cowan Road.

The club runs three nets each week; Monday nights at 8pm on the VK2RNS 2 metre repeater. Its on 147.25MHz, No tone is required, but a 91.5Hz tone is sent. The Wednesday evening net is on 3608.5 kHz, also from 8pm; And Morning Tea with HADARC – is on or near 7104kHz from 9:00 am 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.*

[Play Evening ID 4]

Summary of coming events;

August

Shahzada Horse Enduro, a WICEN event, from the 21st to the 25th
HADARC Monthly meeting on the 22nd
WICEN NSW AGM on the 26th
VK2MB at Sydney University Electrical Engineering Open Day on the 26th
Summerland SARCfest on the 27th
MWRS Theme night – Cameras – on the 30th
Fishers Ghost ARC Meeting on the 30th

September

St George ARS gathering on the 6th
SAREX for VH-MDX in the Barrington Tops, 15th to the 17th
Manly-Warringah *Flagpole* Challenge on the 16th
ARNSW Foundation and assessment weekend, 16th and 17th
Waverley AR Society Foundation weekend, also 16th and 17th
ARNSW Trash and Treasure, and Homebrew group on the 24th

October

St. George ARS gathering on the 4th
CCARC Lecture on the FT8 digital mode on the 21st
JOTA & JOTI on the weekend of the 21st and 22nd
“QRP by the Harbour” on the 22nd
Hawkesbury Canoe Classic, a WICEN event, on the 28th and 29th