

## **Silent Key.**

It is with regret that we begin this week, with news of a silent key.

The Amateur Radio Central West Group have advised of the passing of their friend and fellow club member John Coulston VK2TUV, on 8th February, aged 82 years.

John was an active Amateur Radio Operator, especially in many contests, and was a member of the Amateur Radio Central West Group.

On the 17<sup>th</sup> of February, his life was celebrated at St Joseph's Catholic Church; attended by a large congregation of family and friends, to whom we extend sincere condolences.

Please pause with us, while we remember John.

[pause 5 seconds]

Vale[va-LAY] John Coulston VK2TUV.

*Advised by John VK2EJM  
on behalf of the Amateur Radio Central West Group.*

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

Next Wednesday the 11<sup>th</sup> of March, is the 110<sup>th</sup> anniversary of organized Amateur Radio in Australia. From that first meeting of radio experimenters in Sydney in 1910, seeking a better deal from the authorities, originated Amateur Radio New South Wales; effectively the oldest radio club in Australia, and in turn making the WIA, the world's oldest national Amateur Radio society. To celebrate this milestone, there will be a small function during the March T&T on Sunday the 29<sup>th</sup>.

Here at VK2WI Dural, work continues to remove the old repeater tower, so the 23cm VK2RWI repeater, 23cm VK2RSY beacon, and the VKE580 news relay on 5425kHz, are temporarily off the air. These will be restored after modification to the mounting arrangements for the antennas, will enable them to be relocated on other mountings on site.

Next weekend is the first ARNSW Foundation weekend for the year. With a large number of candidates booked for the weekend, any help from available assessors would be welcomed; advise the education team by an email to [education@arnsw.org.au](mailto:education@arnsw.org.au) if you can assist. The May Foundation weekend is scheduled for the 16<sup>th</sup> and 17<sup>th</sup>, with bookings open until 5pm Friday, the 1<sup>st</sup> of May.

The next edition the ARNSW newsletter, *All Access*, will be published in a couple of weeks. If you have not been getting your copy, usually by email, then you need to check your membership, in case your details have changed, or you are unfinancial. You can do this by an email to [membership@arnsw.org.au](mailto:membership@arnsw.org.au) or by phone to the office on 02 9651 1490 – please leave a message. Also in the newsletter will be information about major items at the upcoming T&T, on Sunday the 29<sup>th</sup>.

Tonight's news bulletin is being relayed via EchoLink, on the "HAM" conference server. Our thanks to John VK3HJQ, and the Australian and New Zealand EchoLink team; for making the service available to VK2WI News.

## Get on the air on HF from Dural

There's an exciting new opportunity for you to get active on the HF bands.

Each Monday afternoon, the new ARNSW HF Operating group activate VK2AWI, on the air from about 3pm until the early evening.

If you live in an apartment, or are still setting up your station, this is your chance to get on the air yourself on the club's station.

The station is already set up for SSB and CW with other modes possible. The Dural station engineer has installed a Bushcomm multiband dipole and in tests last Monday, we had successful morse and sideband QSOs with VK3 and ZL.

All ARNSW members interested in operating on HF are invited to join in.

For more information, or to let us know if you are planning to attend, you can contact us by email to [HFgroup@arnsw.org.au](mailto:HFgroup@arnsw.org.au). Please note that its not essential to give notice to visit on Monday evening; members are welcome ti just drop by on Monday afternoon and early evening.

We hope to see you there.

*73 Fred VK2WS  
for the ARNSW HF Operating Group.*

## **ARNSW Board Elections**

As previously announced, the next Annual General Meeting of Amateur Radio New South Wales is on Saturday the 18<sup>th</sup> of April.

Nominations for this year's board election closed at 11am yesterday, Saturday the 7<sup>th</sup> of March. Four nominations were received for four vacant board positions. These nominations are;

Bob VK2CAN

John VK2LJ

Eric VK2VE

Al VK2OK

*Peter VK2EMU*

*Returning Officer*

## Urunga Radio Convention

Returning over this Easter weekend, on the 11<sup>th</sup> and 12<sup>th</sup> of April, is the Urunga Radio Convention.

The Convention is one of the most challenging fox hunting events in Australia and attracts fierce competition from all over. If you are a new fox-hunter, or a devotee with years of experience, this weekend is made for you.

The weekend begins at 9am Saturday, with activities at the Pensioners Hall, Bowra Street Urunga.

The Convention Dinner is 6pm Saturday night, Followed by a Night Fox Hunt; registration for that is 7:30pm.

Sunday kicks off with the Urunga Scrambles are at 8am, and activities continue until the presentation of awards at 3pm.

The Convention has a limited supply of sniffers to lend to first time fox-hunters.

Other activities include our superb technical quiz and general quiz, guessing competitions, raffles and lucky door prizes. Trading tables are also available.

Urunga is one of the remaining original villages left on the north coast of NSW and is the ideal relaxed holiday weekend for families and fox-hunters without the holiday crowds. It is where two rivers meet the sea and offers plenty of outdoor activities.

The Convention hall is accessible and has a relaxing lounge room and accessible amenities.

For more information you can Contact Ken VK2DGT, Terry VK2TEZ, and Merv VK2DMS.

*Advised by Gloria Savins  
For the Urunga Radio Convention.*

## Balun Buildathon

On Sunday May the 24<sup>th</sup>, AR New South Wales is holding another 'balun buildathon' for members, here at VK2WI 63 Quarry Road Dural starting at 10am.

You'll have your choice of constructing a 1:1, 4:1 or 9:1 balun from a kit. You can also order hi-quality Kevlar antenna wire. All items must be pre-ordered and paid for on the day.

Further information is in the newsletter, *All Access*, and on VK2WI News closer to the day.

For enquiries or bookings, you can email [events@arnsw.org.au](mailto:events@arnsw.org.au) or contact Al VK2OK by phone, on 0415 259 777.

*73 Al VK2OK*

*Function and Events Co-ordinator for AR New South Wales.*

# Weekly Solar and Geophysical Report

For the period of the 28<sup>th</sup> of February to the 5<sup>th</sup> of March.  
First, the summary;

Dates across the columns are	28 <sup>th</sup>	29 <sup>th</sup>	1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	5 <sup>th</sup>
10cm flux	71	70	69	69	70	70	70
Fredericksburg Index (Afr)	4	8	6	4	4	4	5 estimated
Australian Index (Aaus)	4	8	4	3	4	7	3 estimated
T index	+4	+5	-6	-2	-2	-1	+1

Solar activity was very low all week. Geomagnetic activity quiet on the 28<sup>th</sup>, and quiet to unsettled on the 29<sup>th</sup>. The 1<sup>st</sup> of March saw mostly quiet conditions with some unsettled periods, then the 2<sup>nd</sup> and 3<sup>rd</sup> were both quiet; on the 4<sup>th</sup> conditions varied from quiet to active levels, before returning to quiet levels again on the 5<sup>th</sup>.

F2 critical frequencies in the southern Australian region, remained mostly near predicted monthly values; though the 28<sup>th</sup> saw enhancements of 20% after local dawn, and during local night. The 29<sup>th</sup> was enhanced 15% during local night; the 1<sup>st</sup> of March saw depressions of 15% during local day; and the 3<sup>rd</sup> was again enhanced 15% during local night.

Now, the forecast for the 6<sup>th</sup> to the 12<sup>th</sup> of March;

Solar activity is expected to be very low to low.

Geomagnetic activity is expected to be at quiet to unsettled levels. There is a possibility of isolated active periods on the 6<sup>th</sup> and 7<sup>th</sup> of March.

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.

For February, we had a;

Minimum of 70, Average of 71, and a Maximum of 74  
With peak dates from the 1<sup>st</sup> to the 4<sup>th</sup>.

So far for March, we expect a;

Minimum of 69, Average of 70, and a Maximum of 71  
With peak dates from the 15<sup>th</sup> to the 31<sup>st</sup>

And looking ahead to April, we are expecting a;

Minimum of 71, Average of 71, and a Maximum of 71  
With no peak prediction just yet.

*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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## Space Weather Summary for February 2020

*Compiled with data courtesy of Space Weather Services*

Solar activity was again at Very Low levels this month, with no M or X class solar flares observed. One solar region rotated off the visible disc on the 1<sup>st</sup> of February; otherwise, the visible disc was spotless. Mild to moderately elevated solar wind streams, associated with coronal holes, were observed on the 6<sup>th</sup>, 7<sup>th</sup>, 21<sup>st</sup> and 29<sup>th</sup> of February. A small coronal mass ejection mildly elevated solar wind, and produced an extended period of southward IMF on the 18<sup>th</sup> and 19<sup>th</sup>.

The strongest geomagnetic disturbance for the month was on the 6<sup>th</sup> of February. The local A index reached 14, signifying unsettled conditions. This was due to a moderately strong coronal hole wind stream. A weak magnetic impulse of 7 nanoTesla, was observed at 1348 UTC on the 18<sup>th</sup> of February in the Australian region; unsettled and isolated active conditions were observed after this, on the 18<sup>th</sup> and 19<sup>th</sup>. Otherwise, geomagnetic conditions were mostly quiet. The coronal hole wind streams caused some unsettled periods, on the 21<sup>st</sup>, 22<sup>nd</sup> and 29<sup>th</sup> of February.

The ionosphere was relatively stable, with some mild depressions. The disturbance on the 19<sup>th</sup> of February caused MUF depressions in the Southern Australian region, of 25% below predicted monthly values.

## What use is an F-call?

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

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*Duration: 1m39s*

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

*Out: "I'm Onno VK6FLAB"*

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

## **ARRL DX news**

A number of stations are active especially for the ARRL International DX SSB contest, on over this weekend;

ST. MARTIN; A group of operators are active as TO0A.

VATICAN; Francesco, IK0FVC will be active as HV0A.

FERNANDO DE NORONHA; Stephano, PT2IC is active as PY0F as a Single Op/Single Band/High Power entry.

BRUNEI; Operator JO1RUR is active as V85RH as a Single Op/All Band/High Power entry.

And in other DX activity around the world this week....

ST. LUCIA; J6. Steven, NY3B is active as J68SS until March 11, on all HF bands, and includes a Multi/Single entry in the contest.

RODRIGUES ISLAND; David, F8AAN will be active as 3B9AN from March 9 to 18. Activity will be holiday style during his night time hours, on 80 to 17 metres.

ZAMBIA; A group of operators are active as 9J2LA until March 15. Activity is on 160 to 6 metres using CW, SSB and various digital modes.

KYRGYZSTAN; Yuri, R2DY, Pavel, R2DX and Eugene, RW3FB are active as EX0QR from the south bank of Issyk-Kul Lake until March 17. Activity is on 160 to 10 metres using CW, SSB and various digital modes.

NEW CALEDONIA; Moto, JA1GZV will be active as TX8A from Noumea, IOTA OC-032, from March 10 to 18. Activity will be on 40, 30, 20 and 17 metres.

JERSEY; A group of operators will be active as MH0ESP until March 20.

ARGENTINA ; Members of Radio Club QRM Belgrano will be active as LU4AAO on March 7 and 8 to celebrate International Women's Day. Activity will be on 80, 40 and 20 metres, and VHF bands, using SSB, FM, SSTV and FT8.

SOMALIA; Ali, EP3CQ is active as 6O1OO from Mogadishu until March 25. Activity is on 160 to 6 metres, with an emphasis on 60 metres, using CW, SSB and FT8.

EAST KIRIBATI[kir-uh-BAS]; Ken, KH6QJ is active as T32AZ from Christmas Island, IOTA OC-024, until March 11. Activity is on the HF bands, mainly 80 metres, using SSB, and includes an entry in the ARRL International DX SSB contest.

EUROPEAN RUSSIA; Special event station R100FA is active until March 25 to mark the 100th birthday of the Russian writer Fyodor Abramov.

ANTIGUA AND BARBUDA; Flavio, IW2NEF is active as V26FP from Jolly Harbour, Antigua, IOTA NA-100, until March 13. Activity is on 40 to 10 metres using SSB and FT8.

ST. KITTS AND NEVIS; Matt, K0BBC and Paul, W6PNG are active as V4/home calls from St. Kitts, IOTA NA-104, until March 11. Activity is on 80 to 6 metres using SSB and FT8. They are also active as V47P in the ARRL International DX SSB contest.

VIETNAM; Sven, HB9DXB will be active as XV9DXB from Nha Trang beginning March 10.

CAYMAN ISLANDS; Joel, NF3R is active as ZF2RJ until March 10. Activity is on the HF bands, and includes an entry in the ARRL International DX SSB contest.

THIS WEEKEND ON THE RADIO. The ARRL International DX SSB Contest, NCCC RTTY Sprint, QRP 80-Metre CW Fox Hunt, NCCC CW Sprint, Novice Rig Roundup, Wake-Up. QRP CW Sprint, SKCC Weekend CW Sprintathon, Open Ukraine RTTY Championship, UBA Spring CW Contest and the WAB 3.5 MHz Phone/CW will certainly keep contesters busy this weekend.

The 4 States QRP Group Second Sunday Sprint is scheduled for March 9. The CWops Mini-CWT Test, RSGB 80-Metre Club CW Championship, AWA John Rollins Memorial DX CW Contest, QRP 40-Metre CW Fox Hunt and Phone Fray are all scheduled for March 11.

## WICEN News

WICEN NSW is a communications support squad of the NSW Volunteer Rescue Association. All WICEN Members encouraged to take advantage of the free courses offered by the Office of Emergency Management.

WICEN groups across Australia will be supporting Dementia Australia's Memory Walk and Jog events, which are sort Sunday Morning activities. The first event in NSW is at Tench Reserve on the Nepean River at Penrith, on the 5<sup>th</sup> of April, followed by the Inner-West Sydney event on the 24<sup>th</sup> of May; and in the Hunter, on the 31<sup>st</sup>. See [memorywalk.com.au](http://memorywalk.com.au).

The Glow Worm Tunnel Marathon Weekend at Newnes is on June 13<sup>th</sup> and 14<sup>th</sup>. BSAR's Navshield is a bush navigation competition, which WICEN is eligible to compete in; it is on June 27<sup>th</sup> and 28<sup>th</sup>.

WICEN's website is at [nsw.wicen.org.au](http://nsw.wicen.org.au). Facebook users will find an official WICEN NSW page, and an informal national WICEN group.

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. The BMSC "NatCap" Rally is coming up on March 21<sup>st</sup> and 22<sup>nd</sup>, and the Canberra Two Day Walk is on April 4<sup>th</sup> and 5<sup>th</sup>. The Bega Rally is on June 6<sup>th</sup> and 7<sup>th</sup>. For more information, see the WICEN and Events pages on [www.crarc.ampr.org](http://www.crarc.ampr.org).

WICEN Victoria is supporting several Memory Walk and Jog events; at Ornamental Lakes Park in Mildura this morning; in Melbourne's on May the 3<sup>rd</sup> and in Geelong on May the 17<sup>th</sup>. The Duncan's Run 100 at Turra Bulga in south Gippsland is on March 21; and the Kenda Motorbike Rally is on May 3<sup>rd</sup> at Eildon. The Mallee Rally near Sealake is back, on June 6<sup>th</sup> and 7<sup>th</sup>. WICEN Victoria's weekly net is on each Tuesday at 8:30pm, on 3.6MHz and the website is at [vic.wicen.org.au](http://vic.wicen.org.au).

[OEM link; <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 is the club's March Friday night gathering, at 7pm on Friday the 20<sup>th</sup> of March at the SES Building in Central Road, Port Macquarie. As always, visitors are most welcome.

Candidates for the Foundation, Standard and Advanced Licences should contact the club via PO Box 712 Port Macquarie NSW 2444. The next training and assessment weekend, for all grades of licence, is scheduled for the 14<sup>th</sup> and 15<sup>th</sup> of March, at the SES building in Central Road Port Macquarie.

Club station VK2BOR will be participating in the John Moyle Memorial Field Day on the weekend of the 21<sup>st</sup> and 22<sup>nd</sup> of March 2020. The club's communications caravan which will be set up in the camping area at Camden Haven Airfield, south of Port Macquarie. VK2BOR will operate on all HF bands and 160 metres.

The club's 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.

For more information about the Oxley Region Amateur Radio Club, visit the website at [orarc.org](http://orarc.org). The January 2020 issue of the club's bimonthly newsletter, Oxtales, is now available, and past issues are available on the website as well. Look for the March 2020 issue which will be published soon. The club is also on Facebook; just search for Oxley Region Amateur Radio Club.

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

## **Hunter Radio Group**

The Group's AGM, along with the monthly general meeting, are coming up on Friday the 13<sup>th</sup> of March.

The meeting is at the Adamstown Bowling Club, 504 Glebe road Adamstown, starting at 7:30pm.

The monthly general meeting will take the form of a members "Do It Your Self" Presentation.

The Hunter Radio Group has a news broadcast on Monday nights starting at 7:30pm, on the 2 metre repeater 146.9MHz, and the 70cm repeater on 438.025MHz. Callbacks are taken after the broadcast.

*Rodney VK2CN  
Secretary, Hunter Radio Group.*

## Central Coast Amateur Radio Club

The Club recently received a large number of electronic components and wish to thank Alex & Margaret of the Tumby Umbi area. The club is now swimming in a sea of Resistors, Capacitors, Diodes and an assortment of solenoids.

Next Friday the 13<sup>th</sup> of March, the Club's VK2RAG repeater will be relaying an international Space Station contact session with the *Australian Air League - South Australia Wing*, at 7:56PM local time. The stream will also be available via the club's EchoLink conference server.

The Club is seeking participants for the John Moyle Memorial Field Day on the 21<sup>st</sup> March to setup a portable station at Mount Elliott. This is a great opportunity for those who have not experienced portable work and the simplicity of an end fed wire antenna.

The Club will soon be holding an MMDVM build day. Club members and guests who may be interested in taking part are encouraged to contact our projects coordinator Tom, via email at [projects@ccarc.org.au](mailto:projects@ccarc.org.au).

The next Foundation Training & Assessment Day is on Sunday the 22<sup>nd</sup> of March. If you are interested in obtaining or upgrading your current licence, Please RSVP by the 10<sup>th</sup> of March. For registrations, contact Karen, our Education Coordinator, at [education@ccarc.org.au](mailto:education@ccarc.org.au).

The club's Thursday evening net hot topic for this week was "What Amateur Radio Software must you have in your shack". There was some fantastic input from all attendees, ranging from Packet software and SDR utilisation through to current digital modes. A great source of discussion and we're sure it sparked an idea or three.

Remember, you can watch the live stream from Facebook or join in via EchoLink using the \*CCARCNSW\* conference server.

You can find out more about the CCARC on the web, at [ccarc.org.au](http://ccarc.org.au).

*Brad VK2NMZ*

*Vice-President, Central Coast Amateur Radio Club.*

## **Westlakes Amateur Radio Club**

The Club's will be holding their first car boot sale event for 2020, on Sunday the 21<sup>st</sup> of March. Its at the Club grounds, 6a York Street Teralba, starting at 8:30am.

There will also be a BBQ and hot and cold drinks available, and a club raffle.

There is no cost to set up, but bring your own table. All welcome.

Westlakes has a net every Monday, Wednesday and Friday at 09:30am Local time; Its currently on 80metres, on 3565kHz.

*Barrie VK2QG*

*For the Westlakes Amateur Radio Club*

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## **Illawarra Amateur Radio Society**

The next meeting of the Society is on this Tuesday the 10<sup>th</sup> of March, starting at 7:30pm; immediately after the Society's Committee Meeting, which starts at 6:30pm. The meeting is at the BlueScope Steel Visitors Centre on Springhill Road, on the southern side of the Wollongong CBD. Attendees are welcome to arrive early and enjoy a pre-meeting chat and cuppa in the foyer.

The new venue has fantastic facilities, with plenty of off-street parking. Attendees should turn off Springhill Road into the main entrance of BlueScope Steel, then immediately turn right, just before the security gates, following the large Visitors Centre direction signs.

The next meeting will be a presentation by Brian VK2GCE; Brian is a terrific presenter on some most interesting radio-related subjects. At this meeting, he is presenting an in-depth look at how best to couple your transmitter to your antenna. He will also be covering topics such as radiator skin effect, VSWR and antenna radiation patterns. If you're keen on getting the most of your RF into the ether, Brian's presentation should prove most interesting and helpful.

The night will conclude with coffee, tea, biscuits and cake in the venue's foyer.

Last Saturday, twelve members of the Society participated, in what can be best described as a "Shack Crawl"; four radio shacks were visited, with their owners proudly showing their equipment and antennas. It was most interesting how different each radio shack was, despite them all being for the same purpose. At the last shack, a barbecue lunch with refreshing beverages was enjoyed by all. Given how much fun everyone had, the next "Shack Crawl" will be organised soon.

A reminder of the Society's two weekly Nets; the first is the Saturday morning Chit-Chat Net run by Steve VK2BGL. Listeners can join-in from 9:30am by either using one of the Club's 2 metre repeaters - VK2RMP on 6850 or VK2RUW on 6675, while out-of-towners can call in via Echolink, VK2BGL-R.

The second weekly net is on Tuesday evenings – except for meeting nights. It is on the 80 metre frequency of 3666kHz, plus or minus other usage and starts at 8:30pm.

You can find out more about the Illawarra Amateur Radio Society on their website, [iars.org.au](http://iars.org.au), and the society is also on Facebook. The website again, is [iars.org.au](http://iars.org.au).

To conclude; all listeners are invited to attend the next meeting of the Illawarra Amateur Radio Society at 7.30pm on Tuesday evening the 10th of March, at the Society's new meeting place; the BlueScope Steel Visitors Centre on Springhill Road in Wollongong.

*Submitted by Rob VK2MT*

*Publicity Officer for the Illawarra Amateur Radio Society.*

## **Sydney ATV Group**

The Sydney ATV repeater VK2RTS located at Lawson in the Blue Mountains, has recently been upgraded to High Definition. The output frequency has also been lowered by 1MHz, to 445.5MHz, to comply with ACMA national requirements when upgrading.

The repeater is active on Monday and Thursday nights from 7pm to around 8:45pm with liaison on the 147.325 plus offset repeater. All are welcome to call in with reports or help with receiving ATV.

Video is also streamed via the British Amateur TV Club web site; Just click on the members VK2 call sign at the above local times.

*Advised by John VK2ATU  
on behalf of the Sydney ATV Group.*

## Waverley Amateur Radio Society

The next meeting of the Society will be on Wednesday week, March 18th. At this meeting, Kerry Doherty is returning to talk to us once again.

Fifty years ago, in January 1970; Australia's second satellite, Australis-OSCAR 5, piggybacked into orbit with a NASA weather satellite. Despite its small size (comparable to a modern Cubesat), Australis was a ground-breaking satellite in many ways. Not only was it the first amateur radio satellite built outside the United States, it was also the first in the world to be developed as a student project, incorporating many unique features that were particularly advanced for the time. The brainchild of a group of students from the Melbourne University Astronautical Society, Australis was designed and constructed in 1965-66 and was actually ready to fly before WRESAT (the Weapons Research Establishment satellite). However, difficulties with finding a launch meant that WRESAT was launched first. But, with help from the newly-formed AMSAT, Australis eventually flew as OSCAR 5 in 1970. This presentation will explore the fascinating story of Australis-OSCAR 5, its development (a classic example of Australian 'make do' ingenuity), the search for a launch and its operational phase once in orbit.

Kerrie Dougherty is an independent space historian, curator and educator, who was previously Curator of Space Technology at the Powerhouse Museum. She is the author of *Australia in Space*, a comprehensive history of Australian space activities, a lecturer in space humanities for the International Space University and an elected Member of the International Academy of Astronautics. Kerrie works part-time for the Australian Space Agency and has written several science fiction guidebooks as well as numerous articles on Australia's space history.

The meeting will be held in the ANZAC room of the Rose Bay RSL club, next door to the club's usual meeting venue, commencing at 7:30pm. As usual, many members will gather prior to the meeting for dinner in the bistro of the RSL from about 6:00pm and all are welcome to join them. This promises to be a most interesting talk again from Kerry.

More information on the Society's activities are available on the website, [vk2bv.org](http://vk2bv.org).

*73 from Eric VK2VE  
Broadcast Publicity Officer*

## Hornsby and Districts Amateur Radio Club

The next HADARC meeting will be an informal mid-monthly meeting this Tuesday the 10th of March, at Mt Colah Community Centre. The next general meeting is on the 24th.

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](http://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

### March

HADARC mid-monthly meeting on the 10<sup>th</sup>

Illawarra ARS Meeting on the 10<sup>th</sup>

ARNSW 110<sup>th</sup> birthday on the 11<sup>th</sup>

Hunter Radio Group AGM at Adamstown on the 13<sup>th</sup>

ARNSW Foundation Training and Assessment weekend, 14<sup>th</sup> and 15<sup>th</sup>

Oxley Region ARC Training and Assessment weekend, 14<sup>th</sup> and 15<sup>th</sup>

Waverley ARS Meeting on the 18<sup>th</sup>

Oxley Region ARC Friday night gathering on the 20<sup>th</sup>

Westlakes ARC car boot sale at Teralba on the 21<sup>st</sup>

John Moyle Contest weekend, 21<sup>st</sup> and 22<sup>nd</sup>

CCARC Foundation Training and Assessments on the 22<sup>nd</sup>

HADARC general meeting on the 24<sup>th</sup>

ARNSW Trash & Treasure and Radio Experimenters Group on the 29<sup>th</sup>

### April

Urunga Radio convention on the 11<sup>th</sup> and 12<sup>th</sup>

Amateur Radio New South Wales AGM on Saturday the 18<sup>th</sup>

Anzac Day – Australian amateurs can use the AX prefix on the 25<sup>th</sup>

VK2IMD activation on the 25<sup>th</sup>

### May

ARNSW Foundation Training and Assessment weekend, 16<sup>th</sup> and 17<sup>th</sup>

Waverley ARS Foundation training and assessment weekend, 23<sup>rd</sup> and 24<sup>th</sup>

ARNSW Trash & Treasure and Radio Experimenters Group on the 31<sup>st</sup>