

VK7 REGIONAL NEWS BROADCAST

FOR SUNDAY 31 JULY 2011

<http://groups.yahoo.com/group/vk7regionalnews/>

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VK7 History News

Information Wanted

Winston VK7EM is looking for historical information on the Green House at Stanley in the far NW.

From 1939 to 1966 the PMG operated a radio telephony station at Stanley, known as The Green House. At the present time the building houses the chair-lift kiosk, The Nut Rock Cafe.

Winston is researching this almost forgotten station that provided extra telephone capacity and acted as a back-up to the only submarine cable to Victoria at the time.

Winston is particularly interested in the technical details, the type of valves used in the transmitter, the type of modulation used and the receivers.

I understand it was a 12 channel system, and operated near 40MHz with rhombics antennas on The Nut with open wire feeders and linked with a station at Tanybryn, near Apollo Bay in Victoria.

Interestingly in those days it was called a 'microwave station'.

I would be interested to hear from anyone who worked there or has knowledge of this station.

If so contact Winston on email: [wnickols@westnet.com.au](mailto:wnickols@westnet.com.au)

(73 Winston VK7EM via Mike VK7FB)

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Non-Commercial FOr Sale & Wanted

WANTED - Small Tower

Matthew VK7HMR is after a small tower to support a dipole from the centre and a 2M antenna at the top.

Prefer the NW area and will pick up.

If you have something that fits this description then please contact Matthew Rostan, VK7HMR on Ph: 0418306206 or 64 331684. Email: [rostan\\_matthew\\_p@cat.com](mailto:rostan_matthew_p@cat.com)

Regards

(Matthew Rostan, VK7HMR)

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## VK7 EVENTS CALENDAR

A summary of the events across VK7 over the coming months:

WICEN (South) – July 31 – AGM and General Meeting at TPE's QTH, Lower Snug – 2.00pm following BYO BBQ from noon

<http://tas.wicen.org.au>

REAST – August 3 - How, Why and Where, of the newly commissioned Coastal Radio Hobart Network with Barry, VK7TBM – starts 7:30pm with committee meeting from 7pm.

<http://reast.asn.au/>

WICEN (South) – August 5 & 6 – Comms for endurance ride at Boomer Creek, Little Swanport. Survey on Friday afternoon. Event on Saturday, early. A good opportunity for a ride out to see what it's all about.

<http://tas.wicen.org.au>

NWTATVG – August 6 – General Meeting at QTH of Ivan VK7XL, 9 McNaughton Drive, Gawler at 2pm.

<http://www.vk7ax.id.au/atvgroup/>

NTARC – August 10 - Social dinner at the Queen's Head Hotel in Perth from 6:30pm.

[www.ntarc.net](http://www.ntarc.net)

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### Northern News

Northern Tasmanian Amateur Radio Club

[www.ntarc.net](http://www.ntarc.net)

### Repeater News - The Broadcast Link

At last, some positive news on our repeater front.

Joe VK7GJ tells us that last Monday 25 July, he and Ian VK7IH returned to Ben Lomond and successfully installed the replacement batteries. Errol Williams from Alpine Enterprises provided them with transport to the repeater site from the village. This was much appreciated by both Joe and Ian, as it would have been impossible to carry the batteries up the mountain.

And for a change, luck was on our side, as it was a perfect day. There are a few photos posted on the NTARC Yahoo group site.

Joe advises us that unfortunately the Broadcast link will not be repaired till the weather improves and at this stage it will likely be sometime in September, due to other commitments.

Again, thank you Joe and Ian and all the other repeaters helpers in getting us to this stage.

## General Interest

Last Sunday's National WIA broadcast brought news of the passing of Horrie VK2AMZ, who as Leading Telegraphist Horace Stewart Young, had been the radio operator on M.V. Krait during its successful raid on Singapore harbour in September 1943. That news caused Bill VK7MX to reflect upon Operation Jaywick, the proud story of MV Krait and its crew, along with that of the ill-fated follow-on raid, Operation Rimau in November 1944. In turn, this caused a recollection of a possibly little known connection to VK7.

Both raids were carried out by members of Z Special Unit, later to be known as Z Force. Over its existence, Z Force included a number of Tasmanians and at least one other notable member who was to call Tasmania home in the post war period. First though, we need to return briefly to Operation Rimau.

The operation struck difficulty very early in the raid. On arrival the island of Merapas, the chosen forward base, was found to be inhabited, contrary to intelligence reports. While technically not a member of Z Special Unit but an officer of HMS Porpoise, Lt. Walter Carey was chosen by the mission commander Lt Colonel Ivan Lyon to remain on the island of Merapas. His orders were to guard the Operation's stores and prevent their discovery by the island's inhabitants.

Lt Carey carried out his part of the mission but along with survivors of the actual raiding party, he and his men were later captured by the Japanese. They were executed on 7 July 1945, just a month before the war's end.

A perhaps less known fact is that one of Lt Carey's three brothers was also a senior officer in Z Force, although not a participant in either Operations Jaywick or Rimau. Sam Carey survived the war and moved to Tasmania as the State's Government Geologist. He then became the foundation Professor of Geology at the University of Tasmania. In his long and illustrious academic career, Professor Carey became a leading expert on the Earth's tectonic plates and their behaviour. He was also an early exponent of the theory of Continental Drift, He convened an early international symposium on that theory in Hobart in 1957, an event that put both the University and himself firmly on the world geology map.

2011 marks the centenary of Professor Sam Carey's birth. He retired from the University of Tasmania in 1976 and died in 2002.

If you aren't familiar with the Theory of Continental Drift, it's the explanation for the fact that if you take a map of the world and cut out the outlines of Australia, New Guinea and New Zealand, you have the makings of a geological jigsaw puzzle. The island of New Guinea can be placed such that it nestles neatly into the Gulf of Carpentaria, the islands of New Zealand fit nicely against the east coast of Australia and even Tasmania can be fitted neatly against the Gippsland coast of Victoria.

The concept of dense pieces of the earth's crust moving around on less dense underlying layers, like ships on the oceans, all seems so obvious today but that clearly wasn't the case just 60 years ago.

## Education and Training

At this time, NTARC has no formal classes planned although that situation would be reviewed in the light of demand. In the meantime individual training sessions and assessments can be arranged by contacting either our Learning Facilitator Idris VK7ZIR or our Education Officer Peter VK7PD, who is also the appointed WIA Assessor here in the north, through the club website at [www.ntarc.net](http://www.ntarc.net).

So, to any of our listeners who may be thinking of embarking on a Foundation licence, or to any of our Foundation or Standards licence holders who would like to upgrade to the next level, we remind you that Idris and Peter are eager to hear from you.

#### Next meetings

NTARC's next meeting will be held on Wednesday 10 August. This meeting will take the form of a social outing – dinner at the Queen's Head Inn in Perth. Planned get together time is 6.30 for 7.00pm. The dining room is open between 6.00 and 8.00 pm so this time should suit our working members.

For those thinking of attending the dinner, take a look in the in the Examiner on Wednesdays. There you will find a promotional coupon from the Queen's Head, enabling you to receive your main course at half price (one per person). That should make the night out even more tempting so come along and enjoy a night of good food and company.

The September General meeting will return to our usual venue, Block B, the Skills Institute at Alanvale. As usual, the meeting will commence at 7.30pm followed by tea/coffee and light refreshments. The post-meeting presentation will be by Bill VK7MX, who tells us his talk has the working title "Between a rock and an arduino. What a place to be!"

The October meeting will be our annual pilgrimage to the Mount Barrow Interpretation Center for an open fire and barbecue, with overnight camping for those so inclined.

We look forward to seeing you at each of these events.

Yvonne VK7FYM would like to remind members if they have any suggestions for topics for discussion or possible guest speakers at our future meetings, your contributions and ideas will be warmly welcomed. You can do this by contacting any of the committee members via the NTARC website.

A reminder too that if any of the NTARC members have any items of news they would like added to the Sunday broadcast, please contact Yvonne at [yymaxwell@bigpond.com](mailto:yymaxwell@bigpond.com) or via the NTARC website.

Finally, a reminder that NTARC meets informally for coffee each Monday and Friday at Friends Cafe, in Jimmy's shopping complex off Charles Street, Launceston between 11.00am and noon. A reminder too that on the last Monday of each month, the coffee venue switches to Lilydale, where we visit David VK7YUM and Norma VK7FOOD at their cafe in the main street between 11.00am and noon.

(73, Yvonne, NTARC Inc. Secretary)

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NORTH WEST News

Cradle Coast Amateur Radio Club (CCARC)

<http://www.my-x15.net/ccarc/>

Assessments

Potential amateurs and those wishing to upgrade are reminded that exams can be conducted across the North West coast at a mutually agreed time and place by the Cradle Coast Amateur Radio Club examiners. For further details on gaining a licence or upgrading, contact the Cradle Coast Amateur Radio Club learning organiser, Keith Winkler, VK7KW. Contact details are available on the club website.

Regards from

(David, VK7DC, Secretary, CCARC)

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North West Tasmanian ATV Group (NWTATVG)

<http://www.vk7ax.id.au/atvgroup/>

Next General Meeting of NWT-ATV Group

Notification is given of the next scheduled meeting of the Club.

Saturday, the 6th. August is the date and the venue is the home of Ivan VK7XL, 9 McNaughton Drive, Gawler.

YES.... That's next Saturday!!! Starting time is around 2.00 PM.

All members, friends and indeed anyone interested, are most welcome.

Look forward to catching up with everyone at this meeting.

73's until next time

(Tony VK7AX, President - North West Tas. ATV Group)

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Southern News

WICEN Tasmania (South) Inc.

<http://tas.wicen.org.au>

WICEN will be heading to a new East Coast equine endurance ride site on the 5th and 6th August, to provide checkpoint and safety communications at Boomer Creek, about 30km north of Orford. Being a new site for us, surveys will be conducted on the Friday afternoon to be ready for an early start on Saturday morning. Why not come along and see what it's all about. Either camp with us on Friday

night or make an early start and come out on Saturday morning. Shearing shed accommodation available if you don't have your own.

An ideal amateur radio family opportunity, supporting another great family activity. You won't be dropped in at the deep end, but partnered up with an experienced operator to learn what it's all about.

Give a WICEN member a shout if you fancy coming along.

[http://tas.wicen.org.au/Diary/coming\\_events\\_7.htm](http://tas.wicen.org.au/Diary/coming_events_7.htm)

(Roger, VK7ARN, Secretary WICEN Tas Sth)

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Radio and Electronics Association of Southern Tasmania Inc.

<http://reast.asn.au/>

REAST News.

The much anticipated presentation from Barry, VK7TBM, on the How Why and Where of the Coast Radio Hobart upgrade is on this coming Wednesday at 7.30pm. I am sure this will be a very interesting presentation and we look forward to seeing you there.

Just prior to the presentation, members of the committee will be in the rooms for some general chit chat. This informal chat session will be from 6.45pm till 7.15pm to allow enough time for all to grab a hot drink and sit back and watch the presentation.

The next REAST Committee meeting will on Thursday 11th August at 7pm.

Don't forget to rummage through your shacks to find items that you may want to convert to cash or swap at the Car Boot Sale on Sunday September 4th. The BBQ will be fired up with snags on the cooker during the day. There has already been alot of interest with amateurs discussing what they plan on putting up for sale that day and also what is on their wish list. There is no cost to buy or sell anything, but you can expect to have a good time, and some free snags hihi.

(Tony, VK7VKT, Secretary REAST)

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REAST Training, Education & Assessment

Congratulations to Theo Klop who now has his Foundation callsign of VK7FTAK. We look forward to hearing you on the air.

If you are interested in undertaking an amateur radio exam and/or training and this could be for foundation, standard, advanced, regulations or practical then contact our learning organiser Reg VK7KK on 0417 391 607, or email on [regemm@ozemail.com.au](mailto:regemm@ozemail.com.au).

(73, Reg VK7KK, REAST Education Officer and Assessor)

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## DATV Experimenters Night

Another great night starting with our anchor Warren VK7FEET who gave an update on the rescue mission that the Aurora Australis is currently involved in. The Janus fishing vessel found itself with main engine in the middle of the Southern Ocean!

The Aurora Australis is currently on charter to the Royal Australian Navy and took the Janus on tow to Macca then onto the Auckland Islands for repairs.

Patrick VK7FPJB then outlined some of his trip to America including a tour of the Kennedy Space Centre in Florida which left everyone green with envy!

Justin VK7TW then took viewers through the 2010 GippsTech proceedings and followed this with a short video expose on the 2011 GippsTech conference and the speakers.

This was followed by a tour of the WIA office in Bayswater that Justin visited after GippsTech. A big thanks you to mal VK3FDSL and Dianne VK3FDIZ who showed me around.

There were a few other interesting videos that were sourced from a variety of Internet sources that finished off the

We are in recess for a week then back into DATV experimenting on Wednesday August 10 from 7:30pm. Our subject matter returns to hobby robotics and a few other examples of robotics, Arduinos, TI Launchpads and much more. This will include how to use ultrasonics to test distance using the Ping module which is popular with hobby robotics builders.

Our video presentation next week will be the latest Amateur Logic and Hobby Robotics presentations.

What do you need to receive DATV?

The Digital TV frequency is 446.5MHz and it is standard DVB-Terrestrial broadcast which means that many standard and high definition set-top boxes and Digital TVs may be able to tune into the broadcast.

A directional antenna pointed toward the domain with a reasonable amount of gain and a set-top box or TV that can tune 446.5MHz is all you need.

Take a look at the link on the email and internet editions of this broadcast for a list of those Set Top Boxes that can tune the frequency.

<http://vk3rtv.com/atvrx.html>

See you in a fortnight's time at 7:30pm.

<http://reast.asn.au/events.php#ATVnights>

(73, Justin, VK7TW)

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## DX News

### Interesting Island DX

There seems to be a many DXpeditions on islands and these are some of them:

EASTER ISLANDS, CE0. Frank, I2DMI will be QRV as CE0Y/I2DMI from July 30 to August 8. Activity is on 80 to 10 meters, including 17 and 12 meters, using mostly RTTY. QSL to home call.

JERSEY, GJ. Members of the Jersey Contest Group will be QRV as GJ2A during the RSGB IOTA contest. QSL direct via GJ3DVC.

OGASAWARA ISLAND, JD1. Makoto, JI5RPT will be QRV as JD1BLY from Chichijima Island, IOTA AS-031, from August 1 to 7. Activity will be on 40 to 6 meters, including various satellites, using CW, SSB and various digital modes. QSL to home call.

AMERICAN SAMOA, KH8. Ron, WA8LOW will be QRV as WA8LOW/KH8 from Tutuila, IOTA OC-045, from July 30 to August 14. Activity will be on 160 to 6 meters using CW, SSB, RTTY and PSK. QSL direct to home call.

FAROE ISLANDS, OY. Look for Carsten, OY1CT to be QRV in the RSGB IOTA contest. QSL direct to home call.

INDONESIA, YB. Pri, YB0ECT will be QRV from Jakarta, IOTA OC-021, during the RSGB IOTA contest as a Single Op/Single Band/CW Mode/Low Power/12 Hour entry on 20 meters. QSL via W2FB.

(Sourced from the ARRL Mailing List)

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## Satellite News

### Deployment of ARISSat-1/KEDR Satellite Expected August 3

After a postponed deployment in February from the International Space Station (ISS), the ARISSat-1/KEDR amateur radio satellite is expected to begin its mission on August 3, 2011. This was the word received from Energia official, Sergey Samburov during an ARISS teleconference on July 19.

Deployment of the craft is planned during EVA-29.

NASA TV will cover the EVA live starting at 1400 GMT on August 3. (Internet streaming: <http://www.nasa.gov/multimedia/nasatv/index.html>)

ARISSat-1/KEDR is a satellite designed and built by amateur radio operators to specifically interest students in scientific and technological careers. Through the use of ham radio equipment, students and teachers should be able to access and utilize the satellite from a classroom environment with minimal set up.

ARISSat-1/KEDR is a cooperative effort between AMSAT, ARISS (Amateur Radio on the International Space Station,) RSC-Energia (The Russian Space Agency) and NASA. The design, development and construction of the satellite was done by AMSAT volunteers. Original plans called for the satellite to be housed inside an old Russian spacesuit, but when the suit became unavailable, a spaceframe was developed to house the radio equipment and solar panels. The new satellite was named ARISSat-1/KEDR. Another name for the spacecraft is RadioSkaf-V. The transmitted callsign will be RS01S.

The mission was specifically designed as an education-based satellite. Some of its broadcast features include a voice identification, voice, digital and morse code telemetry, stored image and on-board camera transmissions via Slow Scan TV and digital telemetry from a Russian science experiment that will measure vacuum in earth's lower atmosphere. Other aspects of the mission include CW (Morse code) and voice message contests to interest students in participating along with stored images submitted by students all over the world as part of its payload.

For more information about the activation schedule take a look at the website address on the email edition of this broadcast.

<http://www.amsat.org/>

(AMSAT News Service)

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## Technology News

### Green Computing – Organic Computers

Imec, the Holst Centre and TNO, in collaboration with Polymer Vision, have demonstrated the world's first working 8-bit organic microprocessor, fabricated by depositing 4,000 organic transistors directly on a flexible plastic film. Using an inexpensive organic (plastic) material instead of expensive silicon opens the door to new niche applications that need inexpensive processing power, such as smart packaging that can be discarded after use, and flexible applications such as roll-up display screens and smart fabrics.

The organic microprocessor consists of two thin films with a thickness of 25µm. One of them holds the arithmetic logic unit, with 3,381 transistors, while the other holds the instruction code, with 612 transistors. The circuits were fabricated by depositing alternating layers of organic material (pentacene and insulators) and metal (for interconnects) on a flexible substrate. The microprocessor operates with a supply voltage between 10 and 20 V at a maximum clock frequency of 6Hz. The typical power consumption with a 10V supply voltage is 92µW.

It is unlikely that organic microprocessors will cause a comparable revolution, but the demonstration of the first organic microprocessor shows that inexpensive organic circuits can be a real alternative to expensive silicon devices in a number of applications. Organic circuits will never be able to outperform conventional semiconductors in terms of speed or processing power, but they have many other advantages. They are flexible, and they can be applied to a very large surface easily and expensively.

Applications with microprocessors printed directly on packaging materials, in the same way as labelling or advertising, are directly possible. In the longer term, potential applications of inexpensive, flexible organic microprocessors include smart packaging for medicinal products that indicates when you should take your medicine, and packaging that allows you to check authenticity or freshness. A box of biscuits from the supermarket could tell you how many biscuits you have already taken, and accordingly how many calories you have consumed.

For more information take a look at the link on the email version of this broadcast.

[http://www2.imec.be/be\\_en/](http://www2.imec.be/be_en/)

<http://www.elektor.com/news/world-s-first-fully-organic-microprocessor.1884751.lynkx>

(Sourced from the Elektor Web e-zine)

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Web & Email Edition Extra Bits!!

360 Degree VR of Discovery Flight Deck – v.cool!

[http://360vr.com/2011/06/22-discovery-flight-deck-opf\\_6236/index.html](http://360vr.com/2011/06/22-discovery-flight-deck-opf_6236/index.html)

Situation Reports from the Aurora Australis – Interesting Reading - thanks to VK7FEET.

[http://its-app3.aad.gov.au/proms/public/schedules/voyage\\_sitreps.cfm?season=1112&voyage\\_no=E1&ship=Aurora%20Australis](http://its-app3.aad.gov.au/proms/public/schedules/voyage_sitreps.cfm?season=1112&voyage_no=E1&ship=Aurora%20Australis)

Technical Reference Books

[http://www.tubebooks.org/technical\\_books\\_online.htm](http://www.tubebooks.org/technical_books_online.htm)

Cheap DATV Transmitter

<http://www.g8ajn.tv/dlproject1.html>

Linux in the Ham Shack – Great Resource

<http://radio.linux.org.au/>

HF Bandpass Filter Design

[http://www.kitsandparts.com/W3NQN\\_May\\_June\\_1998\\_QST.pdf](http://www.kitsandparts.com/W3NQN_May_June_1998_QST.pdf)

Impressive Morse Key Collection

<http://www.pa3egh.nl/morsekeys.html>

ISS & Shuttle traversing sky in broad daylight

<http://blogs.discovermagazine.com/badastronomy/2011/07/18/iss-and-atlantis-seen-in-broad-daylight/>

Experiment shows time travel impossible

<http://www.abc.net.au/science/articles/2011/07/25/3277064.htm>

Serious ARRL Field Day Operation

<http://www.n3aln.com/W3AOFD2011.htm>

How does space dust affect our view of the night sky?

<http://www.abc.net.au/science/articles/2011/07/28/3278883.htm>

Dr Karl - Chopping onions need not end in tears

<http://www.abc.net.au/science/articles/2011/07/26/3278335.htm>

FunCube Testing Videos

<http://vimeo.com/26798894>

<http://vimeo.com/26799097>

<http://vimeo.com/26799910>

<http://vimeo.com/user3575668>

<http://groups.yahoo.com/group/FUNcube/>

Unit Conversion Tool

[http://speckdesign.com/resources/conversion\\_tool/unit\\_conversion\\_tool](http://speckdesign.com/resources/conversion_tool/unit_conversion_tool)

Do you have some interesting internet sites you have come across in the last week – send them in to [justingc@ozemail.com.au](mailto:justingc@ozemail.com.au)

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VK7 Regional News Group Email Addresses

Post message: [vk7regionalnews@yahoogroups.com](mailto:vk7regionalnews@yahoogroups.com)

Subscribe: [vk7regionalnews-subscribe@yahoogroups.com](mailto:vk7regionalnews-subscribe@yahoogroups.com)

Unsubscribe: [vk7regionalnews-unsubscribe@yahoogroups.com](mailto:vk7regionalnews-unsubscribe@yahoogroups.com)

List owner: [vk7regionalnews-owner@yahoogroups.com](mailto:vk7regionalnews-owner@yahoogroups.com)

Website: <http://groups.yahoo.com/group/vk7regionalnews/>  
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If you are interested in becoming an amateur radio operator or upgrading your licence then we suggest you contact your local club for details and/or take a look at what the Radio and Electronics

School has to offer. They have a range of courses that can be delivered through a variety of methods.

They can be found at: [www.radioelectronicschool.com](http://www.radioelectronicschool.com)

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Finally today, a reminder to those people rostered for next week's broadcasts:

Newsreader: VK7FB

80m: VK7TW

40m: VK7JGD

20m: VK7AR

10m: VK7ZGK

UHF CB: VK7ZCR

HF CB: VK7TED

Thanks to all people and organisations who assisted with this broadcast.

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THAT CONCLUDES OUR VK7 REGIONAL NEWS BROADCAST FOR THIS WEEK.

YOU HAVE BEEN LISTENING TO OR JUST MISSED VK7WI. NEXT WEEK THE NATIONAL WIA NEWS CAN BE HEARD AT 0900 FOLLOWED BY THE VK7 REGIONAL NEWS AT 0930 HOURS.

ITEMS FOR THE BROADCAST CAN BE EMAILED TO THE VK7 REGIONAL NEWS & BROADCAST COORDINATOR, JUSTIN VK7TW AT [VK7TW@WIA.ORG.AU](mailto:VK7TW@WIA.ORG.AU). FURTHER INFORMATION ABOUT THE BROADCAST CAN BE FOUND AT THE VK7 REGIONAL NEWS YAHOO GROUP AND THE DEADLINE FOR ITEMS IS 21:00 ON FRIDAY PRIOR TO THE SUNDAY OF THE BROADCAST.