

VK7 REGIONAL NEWS BROADCAST

FOR SUNDAY 26 DECEMBER 2010

HAM'S NIGHT BEFORE CHRISTMAS

<2m43s of audio>

<http://www.youtube.com/watch?v=ailFghtEKsc>

<http://www.arvideonews.com/>

(ARRL Audio file sourced from Gary Pearce KN4AQ and used with permission)

VK7 REGIONAL NEWS

Thank You

Seasons Greetings to all our newsreaders and rebroadcasters and a great big thank you to them and all our contributors to the VK7 Regional News Broadcast.

The new is only as good as the stories that you all contribute and I have had the pleasure of many of this year's VK7 News broadcasts containing ALL VK7 news and filling the 30minute timeslot.

In preparation for 2011 the new broadcast roster for next year is available at the link on the email and internet editions of this broadcast.

<http://reast.asn.au/news.php#roster>

(73, Justin, VK7TW – VK7 Regional News Coordinator)

VK7 EVENTS CALENDAR

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

REAST – December 29 - DATV Experimenter's Night - starts around 7:30pm in the Queen's Domain Clubrooms.

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

2011

REAST – January 5, 12, 19, 26 - DATV Experimenter's Night - starts around 7:30pm in the Queen's Domain Clubrooms.

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

WICEN South – January 29th – Targa Wrest Point – Command Net between the Airwalk and Wrest Point for the Tahune and Airwalk stages

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

WICEN South - January 30th – Targa Wrest Point – Stage Nets Relays for the Pelverata, Cygnet, Woodbridge and Oyster Cove stages

<http://targawrestpoint.com.au/wrestpoint/course.html>

CCARC – February 5 – New Year Dinner at the Bass and Flinders Motel.

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

WICEN South - February 6th – B & E Run the Bridge Hobart – 10km and 5km fun runs and walks - event communications

<http://www.hobartrunthebridge.com.au/>

NORTHERN NEWS

Northern Tasmanian Amateur Radio Club

www.ntarc.net

NTARC would like to wish all listeners a very Merry Christmas, and wish you a safe and restful holiday break.

With thanks from

(Jason VK7ZJA, NTARC Secretary)

NORTH WEST NEWS

Cradle Coast Amateur Radio Club (CCARC)

New Years Dinner

David VK7EX has been busy organising the club's dinner at the Bass and Flinders Motel and the date has been set for the 5th of February 2011.

So please RSVP to David as early as possible that you will be attending.

Amateur Radio Assessments

Prospective amateurs and amateurs wishing to upgrade can contact the learning organiser - Keith Winkler VK7KW who can help you along the path to a new licence. Contact details are available on the Cradle Coast Amateur Radio Club website, which is easily found by a Google search for CCARC Tasmania.

Regards from
(David, VK7DC, Secretary, CCARC)

North West Tasmanian Amateur TeleVision Group

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

Amateur Radio Licence Assessments and Training

Persons in the N/West Area of VK7 interested in Training and Assessments for all classes of Amateur Radio are advised that the Club can provide all these requirements and in addition provision of Facilitators via the Radio and Electronics School if candidates so desire.

For more information regarding these facilities, please contact the Club's Learning Organizer Tony VK7AX, or the Club. Contact details can be found on the Club Web Site or the WIA site under VK7 Clubs.

73's until next time

(Tony VK7AX, News Officer – NWTATVG)

SOUTHERN NEWS

Radio and Electronics Association of Southern Tasmania Inc.

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

Seasons Greetings

The REAST committee wishes all listeners a happy and safe Christmas and 2011.

We hope you have a relaxing time and find some time to fire up the RF!

See you in 2011.

(73 from the REAST Committee)

2011 Call books have arrived.

Where can you get them from, Clayton VK7ZCR's Service Station Caltex, corner Main Road & Amy Street Moonah.

<http://reast.asn.au/amateurradio.php#flmanual>

I have some too, so give me a call to arrange pick up.

Many Thanks,

(Gavin O'Shea, VK7HGO, REAST President)

Training, Education & Assessment

There is a Foundation Training day that will be held on Saturday January 22 for at least six aspiring Foundation Licence holders.

If you are interested in attending then please register your interest with Reg VK7KK on 0417 391 607, or email on assessor@reast.asn.au.

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

DATV Experimenters Night

Last Wednesday night saw a fantastic roll-up and it was great to see some old and new faces including Eric who came up for a look.

We had some Christmas goodies and a few drinks to celebrate the season.

The frequency was 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 STBs that can tune the frequency.

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

We started the night with a show and tell of the complete working HPSDR system.

The hardware connected to the Club dipole and the PowerSDR software on the notebook and we tuned across 80m and showed the viewing audience what the band looks like and the range of controls that the software provide.

Then the video presentation was the second part of the presentation from Phil Harman VK6APH from his talk to the TAPR DCC conference 2009 on the creation of the HRS DR. The remaining segments will be screened over the coming DATV nights.

As they say – “stay tuned for more”....HIHI

Alan VK7ZAR and myself have received details on a relatively cheap 5.8GHz ISM AV transceiver modules that we are thinking about playing

with for outside broadcasting and links into the ATV studio. If you are interested then please let me know.

We get underway on Wednesday the 29th December around 7:30pm and we will have some special

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

Hope to see you along.

(73, Justin, VK7TW)

OCEANIA DX NEWS

SOUTH COOK ISLANDS, E5. Giulio, IW3HVB will be QRV as E51HVB from Aitutaki Island, IOTA OC-083, from December 24 to 28. Activity is holiday style on 40 to 10 meters. QSL to home call.

INDONESIA, YB. A group of operators will be QRV as YE2H from Kebumen City on the Central Java Province South Coast, IOTA OC-021, and will also activate the Klirong Lighthouse, ARLHS IDO-374, from December 28 to January 4 during the 75th anniversary celebration of the city. Activity will be on all HF bands using all modes. QSL via YB2TJV.

(Sourced from the ARRL Mailing List)

ACMA NEWS

Emergency services win from new spectrum plan

State and Federal Emergency Services will be able to better interoperate as a result of new arrangements to harmonise government spectrum use.

After a comprehensive review of spectrum arrangements in the 400 MHz band, the Australian Communications and Media Authority on the 23rd of December released implementation plans and timeframes to facilitate to new arrangements in the band.

The change should reduce congestion in the band, harmonise government spectrum, and promote greater opportunities for new and emerging technologies.

‘The harmonisation of government spectrum use in the 400 MHz band provides an unprecedented opportunity for significant gains in essential and emergency service interoperability between and amongst state and federal government agencies,’ said ACMA Chairman, Chris Chapman.

‘The ACMA hopes that this harmonisation will mark the beginning of a new era in government radio communications use through the development of large, efficient, integrated networks for emergency services and other vital government objectives.

‘The review’s release also gives industry the certainty they need to plan for the future and take advantage of the longer term benefits offered by the new arrangements.’

The ACMA acknowledges that transitioning to the new arrangements will be challenging for many users, but believes strongly the implementation plans maximise the benefits of the review while minimising disruption and costs to existing licensees.

It is intended to finalise transition to the arrangements by 31 December 2015 in congested areas, and by 31 December 2018 in others.

The Time Frames and Implementation Plans for 400MHz are available at the link on the email and internet editions of this broadcast.

http://www.acma.gov.au/WEB/STANDARD/pc=PC_312402

http://www.acma.gov.au/WEB/STANDARD/pc=PC_312403

(ACMA Media Release)

SPACE NEWS

Happy First Birthday to HOPE-OSCAR 68 HO-68

This week AMSAT China noted the first anniversary of XW-1, also known as Hope-Oscar 68 HO-68 with an announcement from Michael Chen, BD5RV/4 at AMSAT-China.

AMSAT President Barry Baines, WD4ASW remarked that HO-68 was a significant milestone for both amateur radio and AMSAT-China. Barry wrote, "We are very excited to see that HO-68 continues to operate in good health and that a new member of the AMSAT International family has established itself. Again, congratulations on a placing HO-68 in service and best wishes for the New Year."

From India, the Secretary of the Upagrah Amateur Radio Club at the ISRO Satellite Centre, Mani, VU2WMY wrote, "Wishing XW 1 HO-68 'A Happy Birthday'. Our good wishes and greetings to HO-68 for a very long and healthy life to serve the Ham community World wide."

Rick, K7TEJ said, "Many thanks thanks to you and Allan and the rest of your team for your efforts to make this great bird available to us. May HO-68 have a long life!"

From Alaska, Dale KL7XJ commented, "A very Happy Birthday to XW1, HO-68. A very good satellite to work!"

Roland, PY4ZBZ reported good signals from HO-68 as he worked PY1AT, PY5LF and UT1FG/MM on his sea voyage in grid FF36.

The latest HO-68 information and operating schedule can be found at the web address that can be found on the email and internet editions of this broadcast.

<http://www.camsat.cn/>

(Sourced from the AMSAT News Service)

TECHNOLOGY NEWS

IBM unveils integrated photonic computer technology

Early in December 2010 - IBM unveiled a new chip technology that integrates electrical and optical devices on the same silicon die, paving the way for computer chips that communicate with light instead of electrical signals. This yields devices that are smaller, faster and more power efficient than devices fabricated using conventional technologies.

The new technology, called CMOS Integrated Silicon Nanophotonics (CISN), is the result of a decade of development activities in IBM's global research laboratories. It is expected to change and improve the way computer chips communicate, by integrating optical devices and functions directly on silicon chips, enabling over tenfold improvement in integration density.

IBM anticipates that CISN will open the door to exascale computing with supercomputers that can perform one million trillion floating-point operations (1 exaflop) per second. An exascale supercomputer would be approximately 1000 times faster than today's fastest machines.

In addition to combining electrical and optical devices on a single chip, the new technology can be implemented on the front end of a standard CMOS fabrication line and requires no new or special tooling. This allows silicon transistors to share the same silicon layer with silicon nanophotonics devices. To make this possible, IBM researchers have developed a suite of integrated ultra-compact active and passive silicon nanophotonics devices, all of which are scaled down to the diffraction limit – the smallest size that dielectric optics can achieve.

By adding just a few more processing steps to a standard CMOS fabrication flow, the technology allows a variety of silicon nanophotonics devices to be integrated with high-performance analogue and digital CMOS devices, including optical modulators, photodetectors, and ultra-

compact wavelength division multiplexers. As a result, single-chip optical communications transceivers can now be manufactured in a standard CMOS foundry, rather than assembled from multiple parts made with expensive compound semiconductor technology.

<http://www-03.ibm.com/press/us/en/pressrelease/33115.wss>

(Sourced from the Elektor e-Zine website)

GENERAL NEWS

Copper thieves burn down City of Birmingham's Christmas tree

The Grinch may have stolen Christmas, but in Birmingham it was copper thieves who torched a Christmas tree in downtown's Linn Park.

Birmingham police are investigating the early morning incident where copper thieves took decorations off the holiday display and burned down the tree. Officials say the incident occurred around 4 a.m. Thieves took off the lights and used gasoline to separate the plastic from the copper, resulting in the apparent accidental tree torching.

Public works crews this morning took down the charred remains of the holiday display.

The 35-foot tall Norwegian Spruce came from North Carolina and won't be replaced. Melvin Miller, city parks and recreation director, said this is the first time there has been any major damage to the display.

"It's not good. It kind of dampens the seasons, but we still know what this season is all about. It's not about a tree," Miller said. "This is the first time that has ever happened. We've had ornaments taken from the tree but nothing like this."

STOP Press – A local radio station in Birmingham donated a replacement Christmas tree.

http://blog.al.com/spotnews/2010/12/copper_thieves_christmas_tree.html

(Sourced from the al.com blog via CG Communicator)

WEB & EMAIL EDITION EXTRA BITS!!

VK9NA DXPedition to Norfolk Island in January 2011

<http://www.vk9na.com/>

Robotic Radio - CW

<http://people.wallawalla.edu/~Rob.Frohne/CW-Robot/CW%20Robot%20Paper.pdf>

EMR from your Keyboards

<http://moddr.net/ps2tempest/>

EMR from VDUs – Spy Stuff!

<http://cryptome.org/emr.pdf>

LED delivers 1050 Lumens from 11 Watts

<http://www.elektor.com/news/led-array-delivers-record-1050-lumens-at-11-watts.1649039.lynkx>

Record Li-Ion Battery Capacity Developed

<http://www.elektor.com/news/record-li-ion-battery-cell-performance.1647633.lynkx>

GM & Segway Team Up

<http://www.elektor.com/news/gm-and-segway-team-up-for-p-u-m-a-city-vehicle.1643433.lynkx>

The following links are courtesy of CG Communicator:

Outstanding panoramic view of B-29 "Enola Gay" cockpit area. Click and zoom at will: <http://www.davidpalermo.com/data/slideshow/4/index.html>

NASA Captures Dec. 14 Solar Flare. For a quick look, scroll down and run the video that appears half way down the page.

<http://www.televisionbroadcast.com/article/110824>

The transformation of California into two Californias, one of the best articles of the year: <http://tinyurl.com/TransformingCalifornia>

Recreating and purifying great recordings of the past:

<http://tinyurl.com/Recreating-and-Purifying>

This is a classic video put together by IBM in 1968 that lets you go from the smallest to the biggest things in the universe. The same units of measure are used throughout: <http://www.powersof10.com/film>

Pick a puzzle and get to work. This is very fun:

<http://ngm.nationalgeographic.com:80/your-shot/jigsaw-puzzles>

Springboard diving made easy:

http://www.youtube.com/watch?v=T89HO_qIMyo

If your airplane is missing a wheel, call Gladys Ingle. This woman will install a replacement wheel and change planes in mid-air to do it:

<http://tinyurl.com/Air-Wheel-Video>

A nicely done Christmas greeting from the K-LOVE radio group:

<http://www.klove.com/christmas/christmas-card-2010.html>

A snowy Christmas:

<http://www.greatdanepro.com/Winters%20Long%20Ago/index.htm>

Ethereal and joyful: <http://www.youtube.com/watch?v=gTIYGBmdddM>

Oh Holy Night performed by the Celtic Woman group:

<http://www.youtube.com/watch?v=sDeXUvWbLp8&NR=1>

Do you have some interesting internet sites you have some across in the last week – send them in to justingc@ozemail.com.au

VK7 Regional News Group Email Addresses

Post message: vk7regionalnews@yahoogroups.com

Subscribe: vk7regionalnews-subscribe@yahoogroups.com

Unsubscribe: vk7regionalnews-unsubscribe@yahoogroups.com

List owner: vk7regionalnews-owner@yahoogroups.com

VK7 Virtual BPL Tours

<http://www.youtube.com/watch?v=pcY0Eetvsw> - Mt Nelson

<http://www.youtube.com/watch?v=1gsxpya3CnQ> - North Hobart

<http://www.youtube.com/watch?v=G7DfdxjRkpU> - RU ready for BPL?

Other VK7 Links

<http://www.youtube.com/watch?v=jelfNgzPPYQ> – SHPS ISS Contact

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

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

Newsreader: VK7TW

80m: VK7EM

40m: VK7RO

20m: VK7IL

10m: VK7ZGK

UHF CB: VK7ZCR

HF CB: VK7TED

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

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.

DETAILS TO SEND NEWS FOR THIS BROADCAST CAN BE
FOUND AT REAST.ASN.AU AND THE DEADLINE FOR ITEMS IS
21:00 ON FRIDAY PRIOR TO THE SUNDAY OF THE BROADCAST.