



OXTALES

First published 1980

Newsletter of the Oxley Region Amateur Radio Club Inc.,

PO Box 712 Port Macquarie 2444

Club e-mail address: vk2bor@orarc.org

Club Website: <http://www.orarc.org>

ORARC's Forty-fourth Anniversary Year

Club Nets on VK2RPM
146.700MHz
(CTCSS 91.5Hz)
Every Sunday at 0830
Every Thursday at 1930

May 2015

Compiled by VK2TT & VK2AYQ

PRESIDENT: Lyle Smith VK2SMI 6585 2497
VICE PRES: Charles Edmondson VK2KCE 6584 0495
TREASURER: Larry Lindsay VK2CLL 6587 1155
SECRETARY: David Hogan VK2FRAB 6582 3006

President's Report

We have seen variable results from the recent (last 6 months) repair-works at the VK2RPM Middle Brother Site but it has improved in the last six months.



I would like to thank all those members who have attended Middle Brother and put many hours into resolving the problems. These so far have included replacing 2 feed cables up the tower, installing a new antenna, repairs and manufacturing antenna mounts, removal of rusted bolts and hardware and lots of testing.

The work will continue until the service has been restored to full operation but it can be frustrating to organise and travel to VK2RPM and have everything working correctly and the gremlins sleeping until after we leave. Another trip is expected in May for additional work and more testing so we look forward to further improvements following this trip, pending the gremlins' cooperation.

ANZAC Day this year was the 100th anniversary of the landing at Gallipoli and ORARC set up the Club's Communications Caravan at the Wauchope RSL Club in line with the idea from our
(continued page 3)

ORARC VHF/UHF Repeaters

MIDDLE BROTHER

VK2RPM 2 metre (Voice - CTCSS 91.5Hz)
O/P 146.700MHz - I/P 146.100MHz

VK2RPM 70 cm (Voice - CTCSS 123Hz)
O/P 438.525MHz - I/P 433.525MHz

VK2RPM-1 (APRS Digipeater)
SX 145.175MHz 1200bps

TELEGRAPH POINT

VK2RCN 2 metre (Voice)
O/P 147.000 MHz - I/P 146.400 MHz

VK2RCN 70 cm (Voice - CTCSS 123 Hz)
O/P 438.425MHz - I/P 433.425MHz

VK2RCN-1 (APRS Digipeater)
SX 145.175MHz 1200bps

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Down The Coax

ORARC meetings held in the S.E.S. Building
Central Road, Port Macquarie.

Monthly General Meeting
Saturday 2 May 2015 2:00 pm

Friday Night Get-Together
Friday 15 May 2015 7.00 pm

Monthly General Meeting
Saturday 30 May 2015 2:00 pm
(Note: 1 week early as 6 June is Field Day)

ORARC Field Day
Venue: Hastings Public School,
Woniora Parkway, Port Macquarie
Saturday 6 and Sunday 7 June 2015
See Field Day Programme for details

Friday Night Get-Together
Friday 19 June 2015 7.00 pm

Monthly General Meeting
Saturday 4 July 2015 2:00 pm

Friday Night Get-Together
Friday 17 July 2015 7.00 pm

email Directory

Net Controllers' Roster

Nets on Voice Repeater VK2RPM 146.700 MHz

Sundays
(0830 Local)

Thursdays
(1930 Local)

May 2015

| | | | |
|--------|----------|--------|----------|
| VK2TT | May - 03 | VK2EM | May - 07 |
| VK2CHC | May - 10 | VK2ZHE | May - 14 |
| VK2TT | May - 17 | VK2ICQ | May - 21 |
| VK2CHC | May - 24 | VK2EM | May - 28 |
| VK2TT | May - 31 | | |

June 2015

| | | | |
|--------|-----------|--------|-----------|
| VK2CHC | June - 07 | VK2EM | June - 04 |
| VK2TT | June - 14 | VK2ZHE | June - 11 |
| VK2CHC | June - 21 | VK2ICQ | June - 18 |
| VK2TT | June - 28 | VK2EM | June - 25 |

July 2015

| | | | |
|--------|-----------|--------|-----------|
| VK2TT | July - 05 | VK2ZHE | July - 02 |
| VK2CHC | July - 12 | VK2ICQ | July - 09 |
| VK2TT | July - 19 | VK2EM | July - 16 |
| VK2CHC | July - 26 | VK2ZHE | July - 23 |
| | | VK2ICQ | July - 30 |

**Urgently wanted Net Controllers
Especially for Sundays.
Please contact Lyle if you can help.**

email Directory (cont'd)

(continued from page 1)

brother amateurs in Queensland.

I arrived with the caravan in tow at 5am to secure a suitable parking spot, and after attending the Dawn Service, the van was set-up with the on-board vertical antenna, generator and several WWII vintage radios supplied by Arthur VK2ATM, for display.

Preparing for dawn march



Dawn march underway



Dawn service. Note the oars from the Wauchope/



Bonny Hills surf life savers as a sign of respect during the Last Post

Henry VK2ZHE, and I took advantage of the ANZAC breakfast supplied by the Wauchope RSL Club, and for \$10 we received bacon, scrambled eggs, baked beans, potato wedges, fried tomato, toast, mushrooms (I passed on those), tea, coffee and orange juice, and a great start to the day then back to the set-up and the radio lay silent except for the RFI from those poker machines inside!

Preparations for the morning's service distracted most of us from the silence of the radio, as vintage cars and even an old ambulance appeared. Servicemen, both old and young, proudly wearing their medals, and family members wearing those of their fallen relatives, also appeared. The honour guard, flags and banners flying, started to line up with hundreds of onlookers ready for the march, and with the bagpipes leading, off they went.

Upon return to the RSL Club there were several speeches and photo opportunities. It is noted that the Club's Communications Caravan was prominent in its location as the background to these photos.



Return from the March



Dave VK2AIF with an impressive selection of medals. Dave is displaying his own medals on the left and his father's on the right hand side of the blazer.

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(continued from page 3)

Craig VK2ZCM proudly wearing his father's sparkling medals.



Henry VK2ZHE in a familiar operating position operating the club's radio station using the special ANZAC call sign AX2BOR



David VK2FRAB, Lyle VK2SMI, Arthur VK2ATM, Rob VK2CRF and Steve VK2HOO looking at vintage radio equipment. Bendix MN26C radio compass receiver and the Command transmitter and receiver supplied by Arthur VK2ATM.

The Club's generator decided to chuck in the towel and although the motor continued to run, it failed to produce any power, so we reverted to batteries on the short term while I returned to my QTH to retrieve my generator.

It would appear that Chinese made inverter-generators generate a lot more than just power when located a mere 10 metres away the Icom HF radio. Noise from the generator went from S2 to S9. So, after charging the battery, it was back to DC with another repair on the list, both to repair the Club's generator and filter the output of my generator.

Although we made only a few contacts between the generator noise and the noise from all the electronic devices in the RSL Club, we did get interest in the radios on display and several members of the public did ask what we were all about. After a quick explanation, they were off to the bar for refreshments.

With the event over, we proceeded to pack-up the antenna, faulty generator, tables and chairs, and the other equipment was secured into the caravan, and hitched to Jim VK2VIV's 4WD for the return journey to home.

Thanks to: Steve VK2HOO, Arthur VK2ATM, Rob VK2CRF, Mark VK2FMGM, Stuart VK2FSTU, Henry VK2ZHE, David VK2AIF, Larry VK2CLL, Craig VK2ZCM, Paul VK2ICQ, David VK2FRAB, Jim VK2VIV, John VK2AYQ and Peter Kucera for your attendance and participation.

May will be a busy month with the Bunnings' BBQ on the 10th and final preparations being made for the ORARC Field Day for the 6th & 7th of June.

Don't forget the June monthly meeting has been brought forward to Saturday the 30th of May due to our Annual Field Day Weekend being scheduled to commence on the first Saturday in June.

— Lyle VK2SMI
(President ORARC)

Don't forget to mention your club membership when shopping at Jaycar.

Jaycar is a sponsor of the club's calendar.



Urunga Radio Convention

Saturday 4 and Sunday 5 April 2015

Photographs supplied by Henry VK2ZHE.



It just wouldn't be a convention without the exchange of stories and good conversation. The fox hunters below include several familiar faces including Craig VK2ZCM. Hard working volunteers to provide a

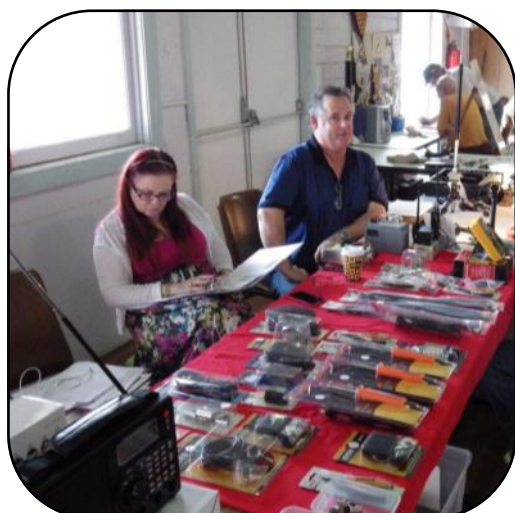


variety of food to keep the participants going.

Activities that are common to most Field Day's and Radio conventions include a well stocked raffles table and Trade displays.



Prizes to the winners. Craig VK2ZCM receives a fox hunting trophy.



Record keeping is also an integral part of the day's organisation to determine the winners of the competitions.



Retirement of Dr Fred Lips



Congratulations to ORARC club member Dr Fred Lips on his retirement after 26 years at Port Macquarie Base Hospital. Dr Lips is a highly respected doctor who is well known for his work in chronic pain management. Some members may have met Fred professionally at the Pain Management Clinic at the hospital.

When interviewed by the Port Macquarie News for a feature article on his retirement, Fred said that he intends to concentrate his energies on his family, on his Camden Haven macadamia farm, and on his love of flying.

The Oxley Region Amateur Radio Club wishes Fred well in his retirement.

Contributed by Henry Lundell VK2ZHE

(Photograph from Port News)

Congratulations to Michael Ward VK2FMDW



Joint winners—Michael Ward—SES & John Davison - RFS with President Debbie Loveday & NSW Ambulance Duty Operations Manager Steve Towle

(photograph from The Port Wheel)

The Oxley Region Amateur Radio club congratulates Club member Michael Ward VK2FMDW in his role as Deputy Unit Controller Rescue and Training of Port Macquarie SES (State Emergency Service) on being awarded joint Rotary Emergency Services Volunteer of the Year on March 14 2015. He shared the award with John Davison of the Rural Fire Service (RFS).

Michael devotes many hours each week to SES as a volunteer in both training and operational roles. Most training takes place outside business hours but SES volunteers may be called out operationally at any time of the day or night.

Contributed by Henry Lundell VK2ZHE



Michael VK2FMDW

John Moyle Memorial Field Day

The following is an extract from the 2015 John Moyle Memorial Field Day log from VK2BOR, the club station of the Oxley Region Amateur Radio Club Inc (ORARC).

I Hereby certify that this station was operated in accordance with the rules and spirit of the contest and that the contest manager's decision will be accepted as final. Henry Lundell VK2ZHE, VK2BOR Station Manager.

The Oxley Region Amateur Radio Club operated the club station VK2BOR from the club's communications caravan which we set up in the car park at McInherney Park, Port Macquarie NSW. The location was quite favourable for HF as there wasn't too much electrical noise and the park is on the southern bank of the Hastings River.

We used the club's 5 band HF trap vertical antenna mounted on the caravan for the contest. VK2BOR only operated for the first 6 hours of the contest on the Saturday afternoon. We were intending to put up dipole antennas but the continual heavy rain on the Saturday morning while we were setting up, and the even heavier rain during the afternoon convinced us to just erect the trap vertical. We didn't erect VHF and UHF antennas this year as the site was at sea level and the VHF horizon was very limited. It was a good decision in view of



the heavy rain.

The caravan and its waterproof annexe provided a dry comfortable area from which to operate, and to stand down. We erected a simple shelter for the generator to keep the rain off it. The park has under cover barbeques which enabled us to enjoy a sausage sizzle lunch.



Richard VK2CHC and Mark VK2FMGM cook up some sustenance undercover!

HF conditions were better this year than during a couple of previous years' contests. It was good to see 15 and 10 metres open on the Saturday afternoon.

John Moyle stations took advantage of this which added interest to the contest. VK2BOR didn't actually work any Field Day stations on 10 metres but several were heard. 15 metres was busy at times. 20 metres provided good Australia wide coverage.

There were isolated intense local thunderstorms in the afternoon which created very heavy QRN on 40 metres at times so it was good to be able to use 20 metres when this was the case. Unfortunately the QRN and man-made QRM made 80 metres unusable all day.

Setting up the club communications caravan and operating in the heavy rain was
(continued on page 8)

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a good exercise which helped to maintain member's skills in field communications.

The caravan proved its worth as without it we would not have been able to set up a self contained portable station under such adverse conditions.



In addition to the club members who shared the operating, several other members assisted with setting up and packing up, and with the cooking of the all-important sausage sizzle lunch.

I've attached a few photos which Bob Ecclestone VK2ZRE took on the day. Note the need for the lights to be on inside the caravan at 13:45 in the afternoon! The creature comforts were a real morale booster.



Rob VK2CRF, Craig VK2ZCM and Henry VK2ZHE operating in the dry!

73

Henry Lundell VK2ZHE
VK2BOR Station Manager

Free Telstra WiFi

Port Macquarie is now one of a large number of towns in Australia with free Telstra WiFi hot spots. Well, for a short while the service is free. Observant WiFi users may have noticed the recent sudden appearance of distinctive WiFi signs on top of Telstra public telephones in Port Macquarie. If you turn your WiFi enabled device on in the vicinity of these hot spots you will pleasantly surprised. The connection is free and the speed is fast. Keep an eye out for more hot spots in public places.

The information posted on the Telstra website advises that the free trial will end in June 2015. Telstra will then launch their Wi-Fi network to let members of the network use their home broadband allowance at more than 3,500 Telstra built Wi-Fi hotspots, and at residential hotspots created by other members and also at more than 14 million phone hotspots overseas.

You can find further information at <https://www.telstra.com.au/broadband/wifi>

Submitted by Henry
Lundell VK2ZHE



New 70cm Taree Repeater VK2REE

Forwarded by Henry VK2ZHE from Ross VK2DVZ Publicity Office and President Taree radio club.

'Today the new 70cm repeater VK2REE was installed on Mt Ganghat .Garry VK2UNI and myself went to the mountain this afternoon.

The repeater is Yaesu DR-1X model and is set-up to accept normal analog FM that you all have been using for umpteen years and also to accept C4FM DIGITAL signals in also.

The repeater will automatically broadcast OUT using the mode of signal type that it hears. That is....hear an analog FM inTX an analog FM signal out, likewise hear an C4FM DIGITAL signal in....TX out in C4FM DIGITAL mode.

If you hear a weird (strange sounding) noise coming out of the repeater , probably someone is transmitting digital signal into the new repeater.

You can break the repeater (other station using digital) with your normal analog FM transmission and talk to whoever is us digital mode simply by waiting for a break in the 'noise signal', hit your PTT and announce your callsign.....the other station's own transceiver/s will automatically switch to analog FM...and ALL can communicate with each other on good old FM.

Should you not want to join in conversation, and NOT WANT TO HEAR THE NOISE of the digital signal, THEN DO THIS >>>>>

Activate you own transceivers CTCSS TONE SQUELCH using the tone 91.5Hz. Once you tone squelch is activated on the VK2REE 70cm OUTPUT frequency of

438.325MHz, you will see your 'S' meter or BUSY /RX light activated, but you will not hear the 'NOISE of the DIGITAL signal.

As soon as the repeater OUTPUTS an analog FM signal you will hear it normally as your CTCSS toner squelch will match the CTCSS tone that the repeater is putting out whenever it is transmitting, and open your mute/squelch to receive the FM signal normally.

So

Repeater details are:

Input = 433.325MHz

Output = 438.328MHz

Output power currently about 20 Watts. (50 Watts is available but the duplexer was getting mildly warm at that power level, so 20 watts it is for now)

CTCSS out only from the repeater = 91.5Hz

NO INPUT TONE required to access the new 70cm repeater.

IDENT = VK2REE in CW at 24 words per minute speed

I am open to comment / feedback/ criticism about the new installation - use it and see what you reckon.

Reminders from President Lyle VK2SMI

Our club urgently needs people to help with the Net roster, especially on Sundays.

If you can help with the Bunnings BBQ on Sunday 10 May at any time during the day your help would be appreciated.

Please contact Lyle VK2SMI if you can help with any of the above.

Please help with the Field Day 6 and 7 June

Brothers In Arms is a Memorial Project by a group of Belgium and Australian Amateurs to commemorate ANZAC day.


BROTHERS IN ARMS MEMORIAL PROJECT

Belgium and Australian ANZACs

Photos Provided by Philippe Verhelst ON8PV, presentation developed Fred Swainston VK3DAC
WIA Director, WIA ANZAC Coordinator

Brothers In Arms Memorial Project

The memorial at Polygonewood is an obelisk with the rising sun emblem of Australian Imperial Forces. It has a plaque which reads "To the Officers, Non Commissioned Officers and Men of the 5th Australian Division who fought in France and Belgium 1916, 1917, 1918



Locating the Mast

Brothers In Arms Memorial Project

A group of radio amateurs in Belgium are planning to commemorate ANZAC day. To honour those at Polygonewood a commemorative callsign OP0PPY will be activated on ANZAC Day.



Brothers In Arms Memorial Project




Brothers in Arms Memorial Project



Antenna base with project members names and callsigns


Brothers in Arms Memorial Project



Please make contact with OP0PPY

Brothers in Arms Memorial Project

Phillippe ON8PV and other team members ON7PQ, ON5DRT, ON3FDS and ONL12064 assembling the Hex beam.



40 Metre QRP CW Transceiver

By Henry VK2ZHE

Did you know that that you could build a complete 40 metre QRP CW transceiver for less than \$10? Yes, it can be done! The Pixie is a crystal controlled CW transceiver with a direct conversion receiver and a transmitter capable of about 800 milliwatts output. It only has 2 transistors and one audio IC.

The kit comes with a professionally made silk screened double sided printed circuit board measuring a mere 50 mm x 50 mm. It uses all conventional through hole components. There are no coils to wind as pre-wound RF chokes are used for the inductors. The sockets for a key and headphones and 9 to 12 Volts DC input and antenna are all soldered directly to the board. The kit comes with a crystal for 7.023 kHz.

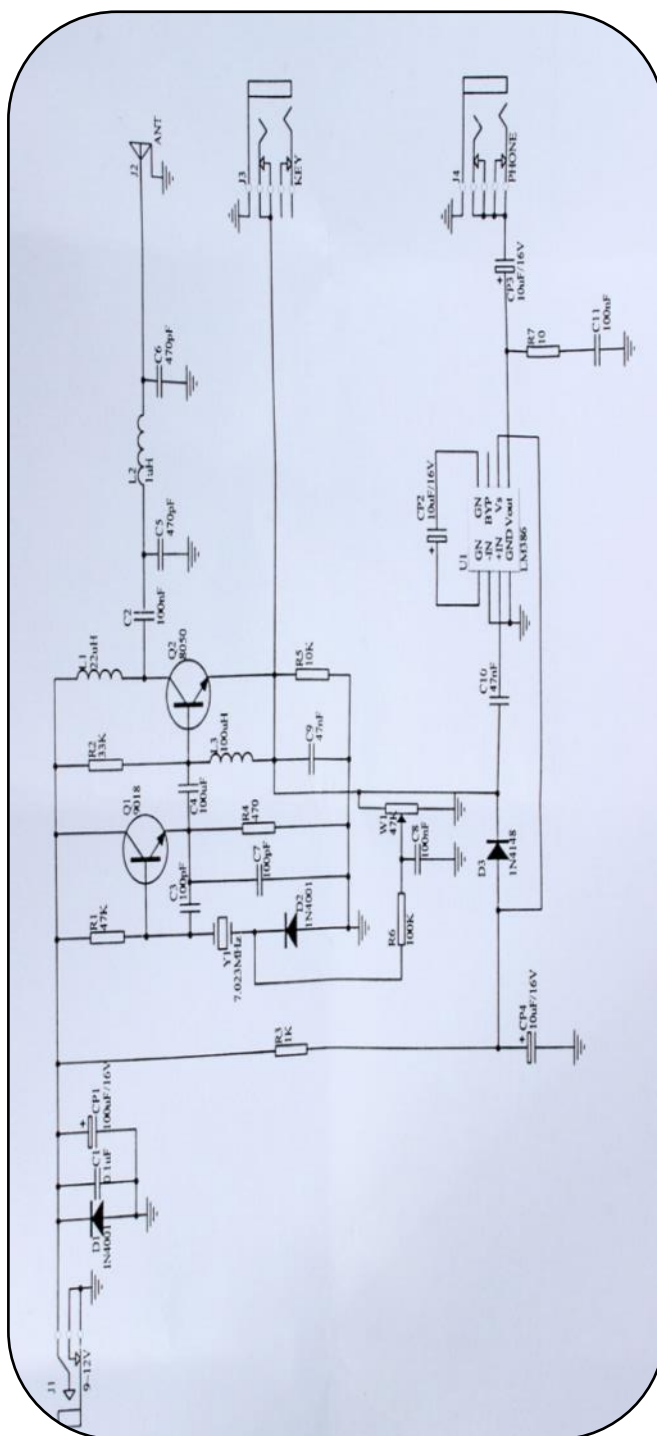
The kit takes less than an hour to build. Connect a 40 metre antenna and 12 Volt DC power. Plug in a pair of headphones and a key and you are on the air on 7023 kHz CW. To finish off your project the PCB could be enclosed in a small box to make a very neat compact transceiver.

The Pixie QRP CW transceiver can be used on bands other than 40 metres by simply substituting a crystal for the appropriate band and changing the inductor and perhaps the capacitors in the antenna filter. Popular QRP CW bands for the Pixie include 80 metres and 20 metres.

There are various versions of the Pixie QRP CW transceiver PCB. The latest version is 5.1. The kits are available for as little as US\$2.30. I paid about A\$11 for three 5.1 version kits including postage. The transceiver PCB is also available already built up. Prices on eBay and other sources vary considerably so it pays to search

thoroughly for the best price. There is a lot of Pixie transceiver information available on the internet. For a history of the evolution of the Pixie CW transceiver have a look at

http://www.gqrp.com/The_Sprat_Pixie_File.pdf on the G QRP Club web site. For a look at the Pixie kit: http://www.southgatearc.org/news/2015/january/40_meter_qrp_cw_pixie_kit.htm

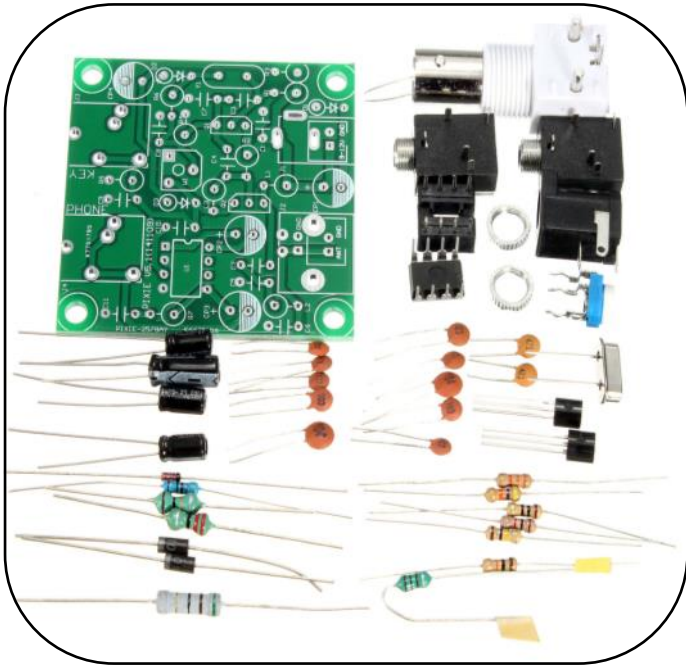


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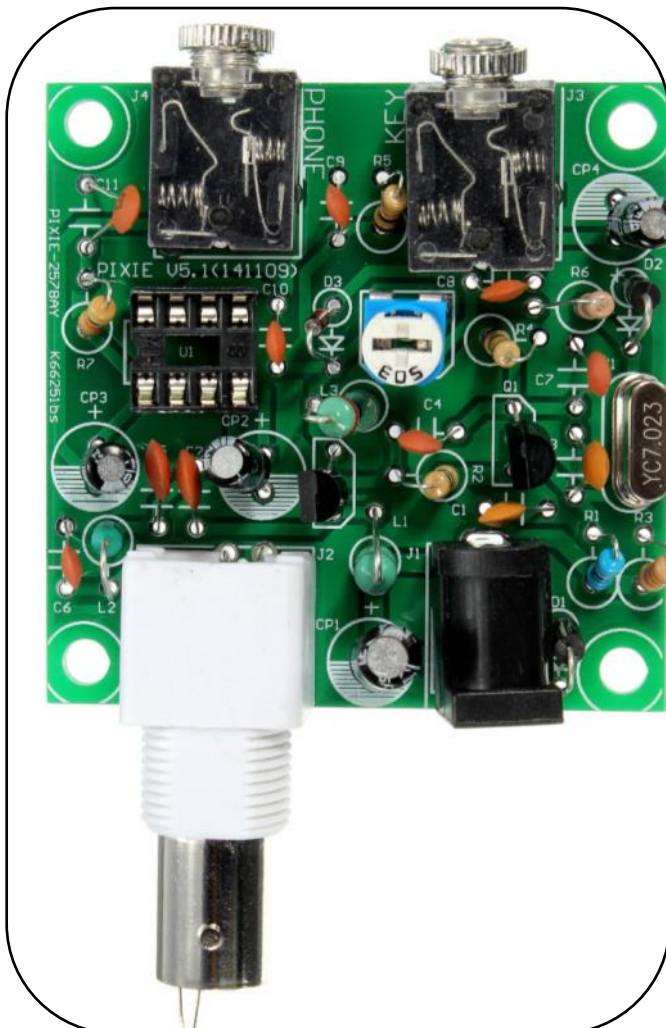
(from page 11)

40 Metre QRP CW Transceiver

Components



Top view of transceiver



Date : 29 / 04 / 2015

Author : Jim Linton - VK3PC

Nepal Earthquake



As the time passes the situation in Nepal, hit by a 7.8-magnitude earthquake over the weekend, seems to be getting worse. Many people are still buried in collapsed buildings and caught in rubble from landslides and there are fears that the number of deaths may increase above the estimated 5,000. Rescue teams are moving away from capital of Kathmandu, to reach devastated villages near the quake's epicenter.

National Coordinator for Disaster Communication in India, Jayu S. Bhide VU2JAU, reports that authorities have issued 9N7-prefixed callsigns to some visiting HAMS. He said there was very limited or no power and mobile towers down and mobile recharging was impossible. "In spite of the appalling conditions, the HAM radio operation is in progress and the Nepalese Government has started issuing HAM licences to those visiting HAMS, with callsigns that have the 9N7 prefix. "The authorities have asked for radio stations to be set up at different places to cover most of devastated areas. We are also requesting them to operate on different frequencies to avoid QRM," said Jayu VU2JAU.

Blast from the Past

Looking through old copies of Oxtales is always interesting. I came across the following report of the John Moyle Memorial Field Day in 2007 May edition of Oxtales. It was interesting to compare the event with the recent event reported on by Henry in this issue of Oxtales.

The report was written by the station manager at that time Bruce VK2HOT

Once again the Club went out to the Tacking Point Lighthouse for the John Moyle contest. The tent and all equipment was erected and radios were in place for the start at 0100 utc. The Club operated on 40m,20m,2m and 70cm with good results



The portable shack with Arthur's flying steed

Editor's note: I wonder who remembers the old green tent and the way that it would want to 'take off' in the heavy winds that often used to sweep over Tacking Point Lighthouse! In addition it wasn't all that watertight in heavy rain.

| State | 40m | 20m | 2m | 70cm |
|---------|-----|-----|----|------|
| VK 1 | 2 | 0 | 1 | 0 |
| VK2 | 32 | 3 | 8 | 2 |
| VK3 | 13 | 0 | 0 | 0 |
| VK4 | 26 | 2 | 0 | 0 |
| VK5 | 10 | 5 | 0 | 0 |
| VK6 | 3 | 1 | 0 | 0 |
| VK7 | 3 | 1 | 0 | 0 |
| VK8 | 0 | 0 | 0 | 0 |
| VK9 | 0 | 0 | 0 | 0 |
| VK0 | 0 | 0 | 0 | 0 |
| NZ | 0 | 2 | 0 | 0 |
| TO-TALS | 89 | 14 | 9 | 2 |

Editor's note: The bands were certainly more open on that day. Below are some of the team members on the day. Some sadly are no longer with us.



Neil VK2E1 (SK) hard at work



HF Team hard at work

Steve VK2DMX (now VK2KK), Joe VK2IEV (now VK2BG), Bill VK2ZCW Bill VK2ZCV, Alan VK2GD (SK).

Let the contest begin



Alan VK2GD (SK) Barry, VK2FBRG (now VK2LBG), Joe VK2IEV (now VKBG) Arthur VK2ATM

Editors note: The Club's Communications Caravan has enabled operation today in all types of weather conditions.

Radio Equipment from Yesteryear

Arthur VK2ATM brought some interesting vintage equipment for display to the Communications Caravan set up for ANZAC day.

Bendix MN26 Radio Compass (still working)



Arthur described how the units were installed in a DAKOTA DC3 aircraft. The meter, dial and speaker in the panel above was installed in the cockpit flight panel and connected to the heavy receiver in the tail by a Bowden cable for tuning.

General Description

The MN26 is an aircraft direction finder type superhetrodyne receiver. There are at least 6 different models of this receiver, the most common being the MN 26C which tunes 100 - 1500 kHz in 3 bands. The input voltage for this model is 28 volts dc (5 amps peak)

The receiver itself was located remotely in the aircraft and operated by remote control so as to save cockpit space. For a tuning meter the MR57A is used and the IN4A for left/right homing. The D/F loop (MN20 or MN24) was located either above or below the aircraft and was hand rotated using Bowden drive through an MN22A or MN52A control head.

The MN26 was a popular receiver after the war as a high performance broadcast receiver. After the D/F section was removed, what remained was quite a sensitive 8 valve receiver. Published conversions included sawing off the rear end of the set, mounting it under the driver's seat and hey presto! one had a super hot receiver for the car. (from VK2BV Website).

Command Transmitter and Receiver



These units were used for H/F long range distance communication in aircraft during WW2.

General Description

These sets were produced in enormous quantities for the U.S. Army Air Force during the Second World War. The series comprises multi-channel aircraft radio receiving and transmitting equipment. There were 3 basic receivers and 4 basic transmitters in the series.

The design philosophy dated from the 1930's and used a system of racks which enabled equipment to be changed quickly in the event of a fault developing. The sets operated on one band only. To change bands you simply turned on another set. Under optimum conditions each transmitter could exceed 40 watts on CW. The transmitters could be modulated to 85% using screen grid modulation.

The transmitters were used by many amateurs after the war, but TVI problems sounded their death knell in their original form. Many were stripped for their high quality components, particularly the invar variable capacitors. The sets had an extremely good name for their frequency stability.

Members Items for Sale

The following items are offered for sale by Paul VK2ICQ. phone/SMS 0417213767 or email paul@colledge.id.au.

HP ZR30W 30 Inch IPS 2560x1600 pixel 16:10 Monitor. HP's best series of Monitors.

In perfect condition, selling because I bought a bigger one! \$2270 RRP, **\$500**

HP ZR2440W 24 Inch IPS 1920x1200 pixel 16:10 Monitor. HP's best series of Monitors. In perfect condition, selling because I bought a bigger one! \$594 RRP, **\$250**

HTC One M7 4.7" Flagship Google Play Edition Android Phone running Latest Android 5 with 3x Docks, 1 Car Kit and other accessories. As new in box. \$700 RRP plus \$100ish of Accessories, **\$250**

Apple iPad 2, 32GB Wifi with Smart Cover and solid plastic back case. Is laser etched with my name & company. Good battery - **\$200**

1TB WD External 3.5" USB HDD. All sectors good - **\$30**

HP Mini 110-1106 TU Laptop with N280 1.66Ghz Atom, 1GB, 1024x576 10", 160GB, Wireless, Windows 7 Pro freshly installed, Battery appears good - **\$150**

Medion Akoya E6228 Laptop with Core i3-2370M, 4GB, 1366x768 15.6", 80GB, DVDRW, Wireless, Windows 7 Pro freshly installed, Battery appears good - **\$250**

HP NX6120 Laptop with Celeron M1.4Ghz, 768MB, 1024x768 15", 40GB, DVDRW, Wireless, WinXP Pro freshly installed, Serial Port, Battery presumed average - **\$50**

HP 6710B Laptop with Core2Duo T7500, 1GB, 1680x1050 15.6", 160GB, DVDRW, Wireless, Win7 Pro freshly installed, Docking Station, Battery presumed average - **\$100**

5x Rolls RS80 Rack Mount PLL AM/FM Broadcast Quality Tuner, no remote controls - \$499 RRP Each - **\$100** Each

5x Barix Instreamer 100 'Audio over IP' Network Audio Encoder (perfect for remote rig use) - \$479 RRP Each - **\$50** Each

12RU 19" Floor Standing Rack Cabinet 70cm H, 60cm W, 60cm D with all covers - **\$50**

Items Wanted

An ESR (equivalent series resistance) meter. If you have one for sale or are willing to lend please contact Bill VK2ZCV.

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Nepal Earthquake

The whole of India has seemingly swung into action to aid the earthquake victims in neighbouring Nepal, especially those HAMS who were rarely seen previously. Jayu VU2JAU, Suhas VU2SMN, Peddy VU2PEP Rakesh VU3PUA, Sarath VU2SCV along with some other HAMS have controlled the emergency communication, keeping the frequency busy with messages. They are also trying to get information on the missing people to inform their relatives. A list of 17 missing people from Maharashtra has been passed to 9N1AA, along with 67 others from various countries, with Nepalese authorities involved.

Landslides and relentless rain continue to slow down the effort. Jayu VU2JAU said: "It was raining during the night hampering the rescuers."

Jim Linton VK3PC, Chair IARU Region 3, Disaster Communications Committee.