

Good morning. This is VK2ATZ portable with a summary of news and events for Amateur Radio Operators and listeners on behalf of Westlakes Amateur Radio Club Incorporated. It is Sunday the 6th August 2023. Your announcer this morning is Justin VK2JEH using the club call-sign. Call-backs will be taken after the broadcast.

ANNUAL FIELD DAY RAFFLE.

Check this beauty out!!

This year we are offering an Icom ID-52A D-STAR Dual Band Handheld Transceiver with waterfall colour display and inbuilt G.P.S. Valued at \$849.00

Tickets at \$2.00 each or try one of our special offers, being either 12 tickets for \$20.00 or 35 tickets for only \$50.00.

These can be obtained from the Treasurer on any Saturday morning at the Clubrooms or by depositing monies into our bank account (details of which are in the email version of this news broadcast) Simply state the words "Radio Raffle" and your callsign. We'll do the rest. What could be easier?

NEWS FROM THE KITCHEN FROM KEN VK2UTC

Forget the internet. Come and talk to real people.
Welcome to the world of Amateur (Ham) Radio.

73s from Ken VK2UTC

Do you like our Pies and Sausage Rolls ?

Judging by the sales you really enjoy our hot lunch time offerings. How would you like to take some home ? Well Now you can, Yes you can buy frozen Pies, Pasties and Sausage Rolls and enjoy them during the week or share them with your friends. (Yeah Right)

Just ask Chef Ken for details.

Who has a sweet tooth? Sounds like most of you do. Starting next week at the general meeting fresh Apple turnovers (with cream of course), Cream Buns and Vanilla Slices will be for sale.

There will be limited stock due to shelf life, However, if the response is there, these could be an ongoing item. Get in early so as not to be disappointed.

BTW Who donated the brand-new Perspex cake display cabinet ?
Westlakes offers delicious hot food at prices way below that of retail.

We actually make very little profit from each item, and rely on your honesty with your purchase. Unfortunately with the new order going in this week there will be a slight increase in price for some items. No your club is not getting greedy, our cost price has gone up twice during the Covid and we have not passed this increase onto our members.

WARC is looking for any member who is familiar with web design, who are able to assist our webmaster with the Westlakes WebPage. Please contact Jeff Stokes VK2JET if you feel you could offer any assistance.

Next Saturday, being the 2nd Saturday of the month and despite the RD contest being held, our Committee Meeting will go ahead as planned at 11am followed by a BBQ Lunch at 12. The General Meeting will be held in the meeting room at 1pm.

Due to the Lighthouse/Lightship weekend in 2 weeks, time the outdoors activation planned for the Sunday at Rathmines Park will be delayed for a couple of weeks.

Work has been delayed on the testing of the antennas due to Ken feeling unwell. Get well soon Ken VK2HBM.

Education Department News from Jeff VK2JET

At the Club last Wednesday, Ken Farlow and Jeff Stokes were working trimming the element lengths on a 4-Band Linked, inverted 'V' Dipole when Ken suddenly felt dizzy. He said, "I've had a bit of an episode." so I asked him if it was anything like the classic, Original Series: Trouble with Tribbles/Deep Space Nine Crossover episode.

He was immediately as confused as that episode was to me so I guess I won. Actually, he expressed that he suffered from motion sickness and that he had taken a Travel-Calm. We made sure he had water and something to ensure it was not low blood sugar and then he rested in the shade for a while. Later, he explained that, looking up the tower, at where our antenna was hoisted had set him off. He also admitted that while Jeff was in the classroom working with a student, he had also cut 50mm too much off of the lengths of kevlar wire.

The moral of the story? Watch out for each other. Share with each other our concerns and our frailties - as well as our jokes. We will form stronger bonds of friendship and be in a better position to help each other if and when the need arises.

Attached to the news email you will find details of the Radio Communications License Preparation Courses, General Activities, Practical Electronics Course and a Course of Arduino Devices and Programming.

Shack News 05-08-2023

Quite a busy day in the shack. First up, Ken UTC tested out the Yaesu FRG-7700 Receiver that was for sale behind the equipment display window for the prospective buyer Max TTI. Said receiver left the building with its happy new owner. The room filled and the conversations flowed. The 23cm RTZ repeater sprung to life with a voice call to VK2ATZ much to the surprise of those gathered courtesy of Warren UWP. Ian LA took charge of the Icom IC-9700 and reassured us all 23cm is somewhat alive and well albeit quiet for the most part. On the HF bands 20m to 10m were active and ATZ worked stations via FT8 whenever someone felt inclined to click a mouse button to make it happen. DMR radio dilemmas were kept to a minimum.

Next Saturday WARC will be participating in the Remembrance Day Contest from 1300 AEST. 15 minutes prior to the contest is a broadcast from the WIA in which we pay respect to those WIA members and all who made the ultimate sacrifice. Paul VK2BPL is back in the fold this year who will be taking care of CW along with the recent WARC contest crew on phone. If you would like to help out at any time during the contest period we would love to see you in the shack. It was decided this year we will utilise VK2ZL for the duration of the contest. Speaking of contests, VK2ATZ ranked 4th in the Multi Multi category of the Trans-Tasman contest.

From Richard VK2AUS

This week I will briefly talk about what equipment you will need when you go to activate a park.

If you are going to use your vehicle as a radio room you are in front and all you require is an antenna, logbook pen etc. However, if you are going to go very portable then what you need is light weight equipment e.g. small table, battery, chair, logbook, pens, radio, antenna. Ropes to tie antennas up with, a small weight to throw over a tall limb. A small pack helps so that you only carry a chair and table. Then it's a matter of setting up, putting up a spot on Parknpeaks and then waiting for the people to call you.

If you have no internet, just find a close frequency close to 7.144 MHz and start calling. As soon as you are heard just ask them if they can spot you. Most are very helpful. Enjoy the Parks. Oh don't forget you get a permit from the Parks and Wildlife Service. I think it's about \$66 and you can get it online.

73 and 44
Richard VK2AUS

NEWS FROM BARRY FINLAY VK2FIN

Wendy and I are in Oxford, England at the moment and today we visited one of my favourite museums - the History of Science Museum. This is our third visit to Oxford and I always take the opportunity to visit the museum.

I again checked out my favourite exhibition, the Marconi exhibition. Some of the items on display included the following.

See some of Barry's photographs in the email accompanying this news email.

MEAT TRAY WINNER

This week's winner of the meat tray raffle went to Warren VK2UWP - Well done Warren!!

UPCOMING EVENTS

REMEMBRANCE DAY CONTEST

Saturday 12th August at 1.00pm till Sunday, August 13 at 11.59pm

International Lighthouse/Lightship Weekend 20/21st August

International Lighthouse/Lightship Weekend is an annual 48hr national event held over the third full weekend in August where radio groups operate from lighthouses around the world with the aim to communicate with as many other Lighthouse based radio operator groups over the duration of one weekend.

ALARA CONTEST

Saturday 26th August at 0900 hrs till Sunday 27th August at 05559 hrs

WARC Big Bash Field Day

Sun 22nd October

SPACE WEATHER

Solar activity on UT day 04-Aug is expected to be R0-R1 with a chance for R2. The solar wind speed is expected to be light to moderate. Geomagnetic activity is expected to be G0. Maximum usable frequencies are expected to be near predicted values. HF radio communication conditions are expected to be mostly normal.

CLUB NETS

We encourage our members and visitors to join in the number of Nets available throughout the week. A list of Westlakes Nets is in the following email.

Annual Subscriptions are now overdue for those who have not paid. Time is running out for those wishing to remain a member, so please pay \$30 by either visiting the club on a Saturday and paying by cash or card directly to the treasurer, or direct deposit using the following bank details which are in this email.

That brings us to the end of the news for this morning. Does anyone have any late breaking news that they may wish to have announced?

Now standing by for call backs in order

Firstly, from distant stations, Visitors, Mobiles and Portable only:

Now fixed stations:

For the benefit of listeners and other interested parties, Westlakes Amateur Club is situated at [2E York Street, Teralba](#) on the Western side of the lake. Pretty easy to find. Just look for the antennas. If you arrive at the bowling club – oops, you've gone too far, time for a U-turn. We are open from about 0900 hrs to 1500 hrs every Saturday. We maintain a fully equipped store for all those bits and pieces that any Amateur Radio Operator may need. We also maintain a limited canteen with such things as meat pies, pasties, sausage rolls, cold drinks, ice creams, and coming soon a selection of delicious sweet pastries and of course tea and coffee is always available with a biscuit or two..

We also have a supply of club TShirts, jackets and caps available for sale. Please see the Treasurer for these.

Next time you head down to the shack, stop and look at the radio gear for sale behind the glass panel on your left.

Most importantly, visitors are always welcome.

This is VK2ATZ portable, thank you for listening and we hope

you have a great day and an even greater week. VK2ATZ/portable is now closed. Good Morning all.

Please keep scrolling right to the end of this email version.

Bank details for pay membership

Westlakes A.R.C. Bank details are - 062 822 a/c # 00902117.

FROM THE EDUCATION DEPARTMENT SUPPLIED BY JEFF VK2JET

Foundation Class at 9.30am to 12.30pm

Advanced Class at 1.00pm to 3.00pm

The Electronics Classes will be held on Wednesdays from 10:00am to 12:00pm.

The Arduino Classes will be held on Wednesdays from 1:00pm to 3:00pm.

General Activities will be held variously on Wednesdays.

DATE (Sat)	FOUNDATION	STANDARD	ADVANCED	ELECTRONICS	GENERAL ACTIVITIES
8 July 2023	A licensed hobby		A licensed hobby	Electrical concepts	Balun winding
15 July 2023	Electrical signals		Electrical theory	Resistors	Choosing an antenna
22 July 2023	Radio concepts		Radio theory	Resistor circuits	Antenna tuning
29 July 2023	Radio equipment		Components	Ohms law	
5 Aug 2023	Antennas/Feedline		Electronic devices	Electrical power	Microcontrollers
12 Aug 2023	Propagation		Electrical circuits	Capacitors	Arduino C++
19 Aug 2023	Interference		Radio circuits	Capacitor circuits	Inputs and outputs

DATE (Sat)	FOUNDATION	STANDARD	ADVANCED	ELECTRONICS	GENERAL ACTIVITIES
26 Aug 2023	Ops and safety		Receivers	Inductors	Analog sensing devices
2 Sep 2023	EXAMS		Demodulation	Inductive circuits	Using libraries
9 Sep 2023		A licensed hobby	Transmitters	Reactance	Serial communications
16 Sep 2023		Electrical signals	Modulation	Impedance	Types of motors
23 Sep 2023		Radio concepts	Antennas/feedline	Resonance	Writing functions
30 Sep 2023					
7 Oct 2023					
14 Oct 2023		Transmitters	Tuning antennas	Diodes	The real time clock
21 Oct 2023		Receivers	Propagation	Voltage regulators	Audio devices
28 Oct 2023		Antennas/feedline	Measurement	DC supplies	Driving displays
4 Nov 2023		Antenna tuning	Interference	BJTs	Micro Project week 1
11 Nov 2023		Propagation	Noise compliance	FETs	Micro Project week 2
18 Nov 2023		Noise compliance	Safety	Amplifier circuits	Micro Project week 3

DATE (Sat)	FOUNDATION	STANDARD	ADVANCED	ELECTRONICS	GENERAL ACTIVITIES
25 Nov 2023		Ops and safety	Codes & symbols	Oscillators	Micro Project week 4
2 Dec 2023		Symbols & codes	REVIEW	Digital logic	Micro Project week 5
9 Dec 2023		EXAMS	EXAMS	Computers	Project commissioning

The proposed plan, above, is subject to change without notice.

Please Note: Westlakes Digital Net now begins at 8am instead of 8.15am.

WARC CLUB NETS THROUGHOUT THE WEEK

Please Note: Westlakes Digital Net will be starting at 8am instead of 8.15am.

WARC CLUB NETS THROUGHOUT THE WEEK

Mon Wed Fri	0930 HF Net	7.115 mHz
Mon Wed Fri	0930 D-Star Net	146.525 mHz
Tue	1930 SSTV Net	146.775 mH
Thu	2000 Let's stay safe Net	146.775 mHz
Sat	0600 Stone the Crows Net	3.588 mHz
Sat	0800 EZB Net	146.775mhz
Sat	2000 '565 NET'	3.565
Sun	0800 DMR Net	TG 3802
Sun	0900 Westlakes News	146.775 mHz

PHOTOS RECEIVED FROM BARRY VK2FIN



Oscillator developed by Augustine Righi 1895:

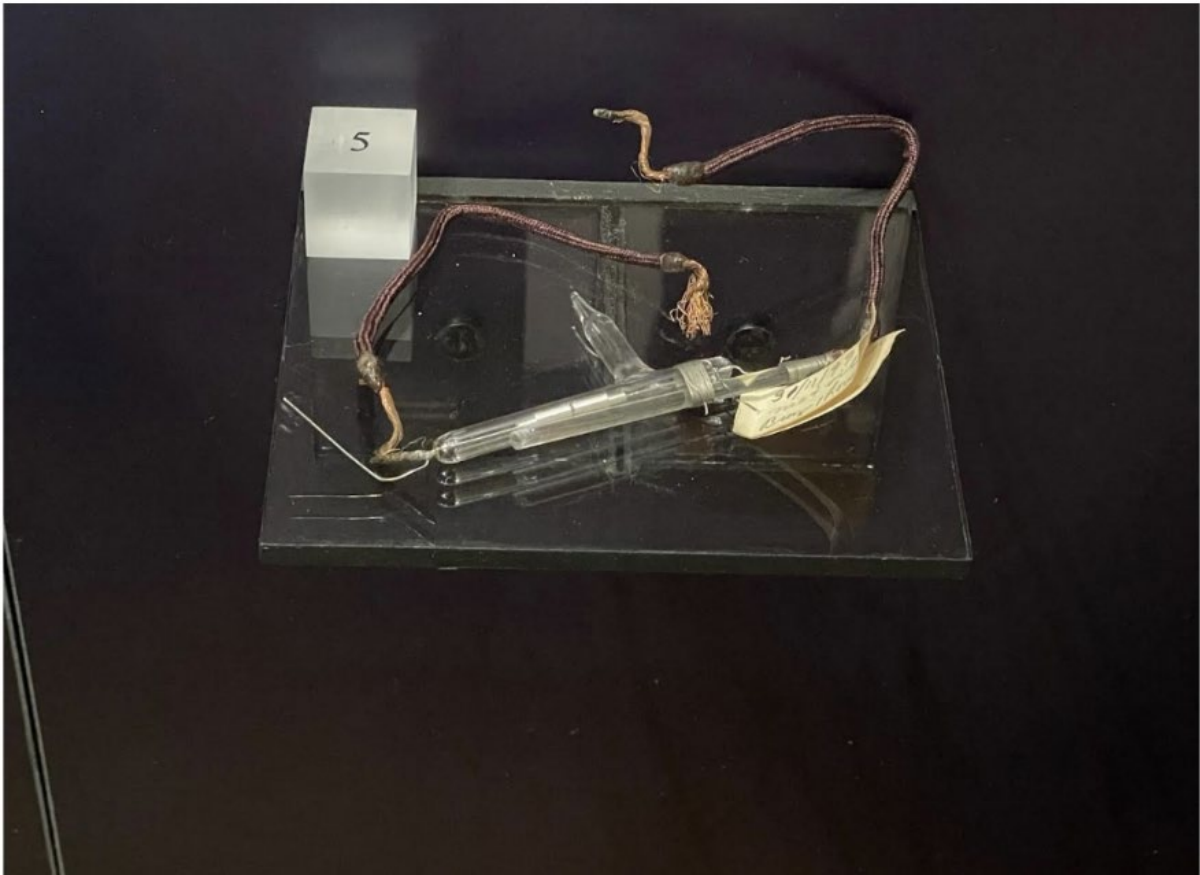


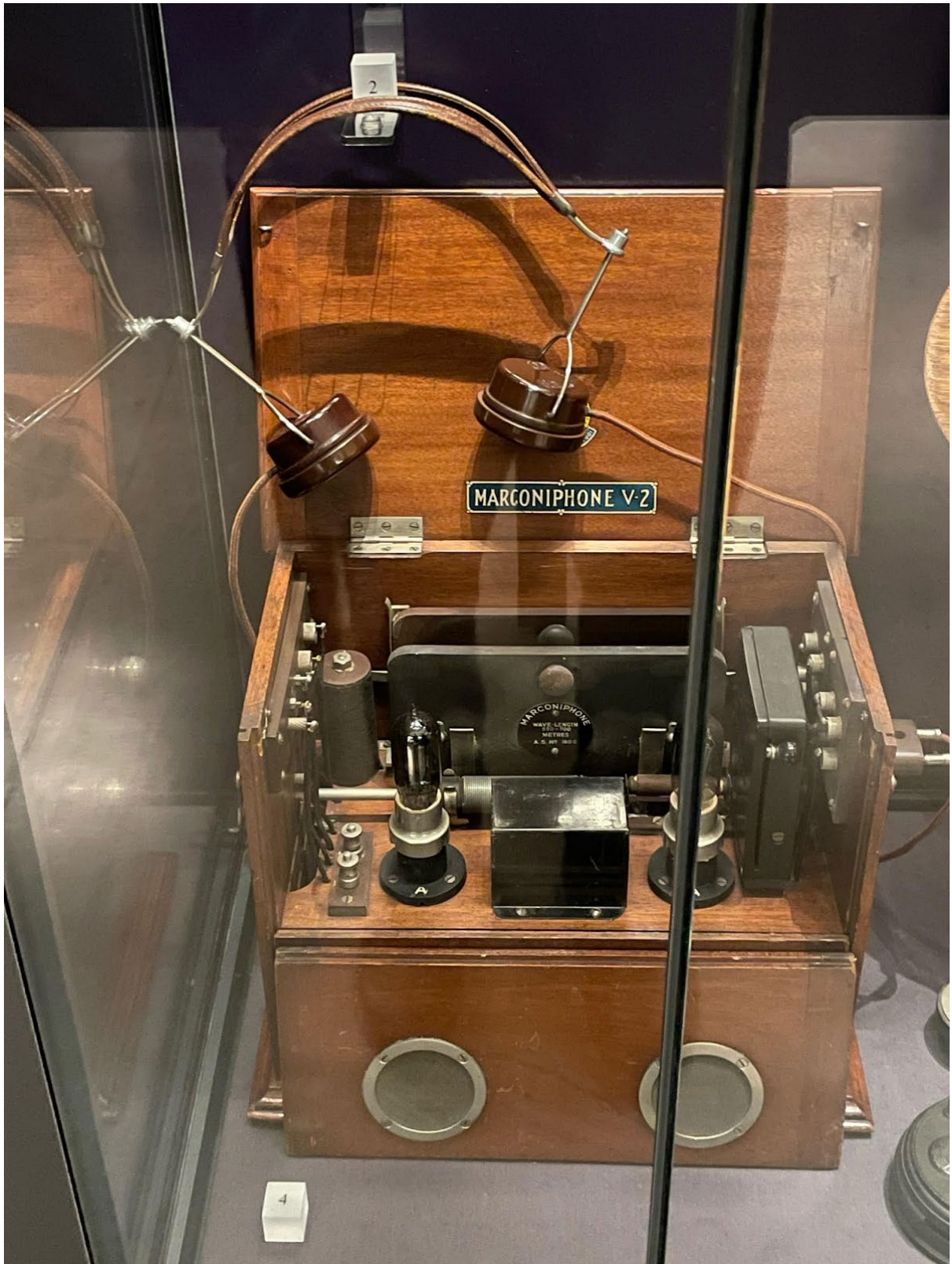
The “Coherer” was a very interesting device. It was the earliest form of CW detector and consisted of a glass tube filled with metal filings. Radio frequency applied to the device would cause the filings to stick together and change the resistance of the device. A “Clapper” would then strike the device so that it was ready to receive the next signal reception.



COHERER RECEIVER 1896

Coherer 1899:





MARCONIPHONE 2 VALVE RECEIVER 1930S