



<http://www.nkrs.org.uk/>

Issue 211

NKRS Newsletter

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Our next meeting will be at :
The Hurst Community Centre, Room 3, Hurst Place, Bexley, Kent, DA5 3LH

Date	Event
07 March 2023	Natter Night
21 March 2023	Steve on Climbing the clock tower
04 April 2023	Natter Night
18 April 2023	Open Discussion
02 May 2023	Natter Night
16 May 2023	Anne on Neurology
06 June 2023	Natter Night
20 June 2023	Video night
04 July 2023	Natter Night
18 July 2023	Andy on meteorology
01 August 2023	Natter Night
15 August 2023	Bring a thing night
19 August 2023 **	Lighthouse weekend Not a normal club night

Please note that Meetings are open to all, not just members of the NKRS.
Visitors are always welcome.



Club Net

The club net takes place every Tuesday on non club nights at 8.30pm, call on 145.5 and then we move to a convenient clear channel. Please feel free to join us join us.

The last Meeting - Ian Connor G7PHD on Scanners

This was a well attended meeting where Ian gave us an excellent talk on Scanners and Scanning.

Scanning is a hobby (like amateur radio) that has a multitude of facets. There are those interested in aircraft monitoring, marine band listening, pager decoding and many other aspects of analysing the radio spectrum.

Ian took us through some of the history of scanning and covered various aspects of the hobby. He covered the development in equipment from the simple crystal controlled scanners to the now very hi tech computer in a box scanners.

Another aspect of the hobby is the software that has been developed over the years to assist those interested in pursuing the hobby and help in finding that elusive channel.

The talk covered the phraseology used in the hobby that covers things like Scan, Manual scan, Search, trunk tracking.

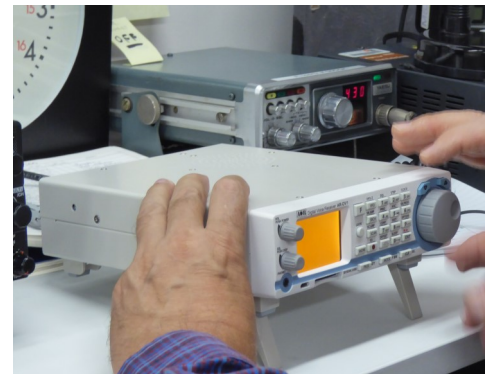
Along with his excellent talk Ian brought along some examples of scanning equipment and I have included some photographs of scanners below but not necessarily the same ones that Ian brought along.

Thank you Ian for an excellent talk and a very pleasant evening.

Here are a couple of web sites you may find interesting if you have a fascination for this hobby but there are many more sites out there on the internet..

[Scanning Scene Returns - Radio Enthusiast](#)

[How Radio Scanners Work | HowStuffWorks](#)



Left to right 1. A small simple crystal controlled scanner, 2. AOR 2002 circa 1980
3. AOR AR-DV1 a state of the art current scanner



Left to right 1. AOR 8000, 2. Icom ICR-3 3. AOR AR8600

Navajo Code Talkers and the CR1-43007 (TBY)



Use.— Portable pack equipment—Marines.

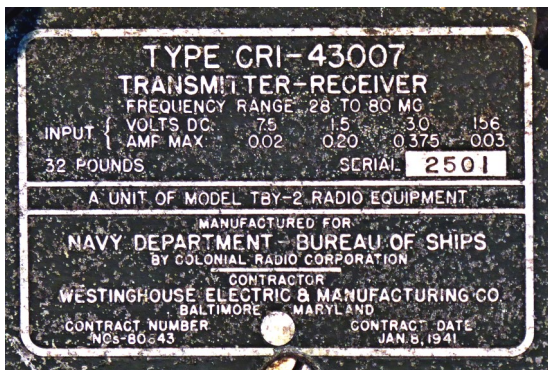
Frequency range. Transmission and reception: 28,000 80,000 kc. in 4 bands with 131 calibrated channels separated by 400 kc.

Power output and emission.—Transmitters- 0.5 watt, A2, A3.

Description. -The Models TBY, TBY-1, and TBY-2 portable radio transmitting and receiving equipments are high to very high frequency self-powered, moisture-resistant, pack-type equipments, designed to provide two-way modulated telegraph or telephone communication within line of sight distances. All three models are identical and are intended pri-

mitter and receiver, and a 5000 kc. crystal oscillator to provide calibrated check points every 12M channels throughout the transmitter-receiver frequency range. The dry battery pack power supply is designed to be strapped to the bottom of the transmitter-receiver unit, and furnishes the voltage* required for continuous operation of the equipment over a period of 30 hours. Two fittings, mounted on the left side of the transmitter-receiver unit, provide connection and support of the antenna, which is of the sectionalized, demountable type. Provision is made for the simultaneous use of the two microphone-headphone assemblies, so that the operation of the equipment may be monitored.

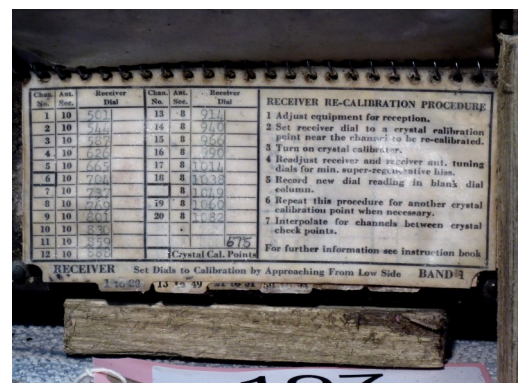
I was reviewing some photographs that I took for cataloguing a friend's collection and I was interested in knowing more about this WW2 radio which turned out to have an interesting history. It was one of the main radios used by the Navajo code talkers

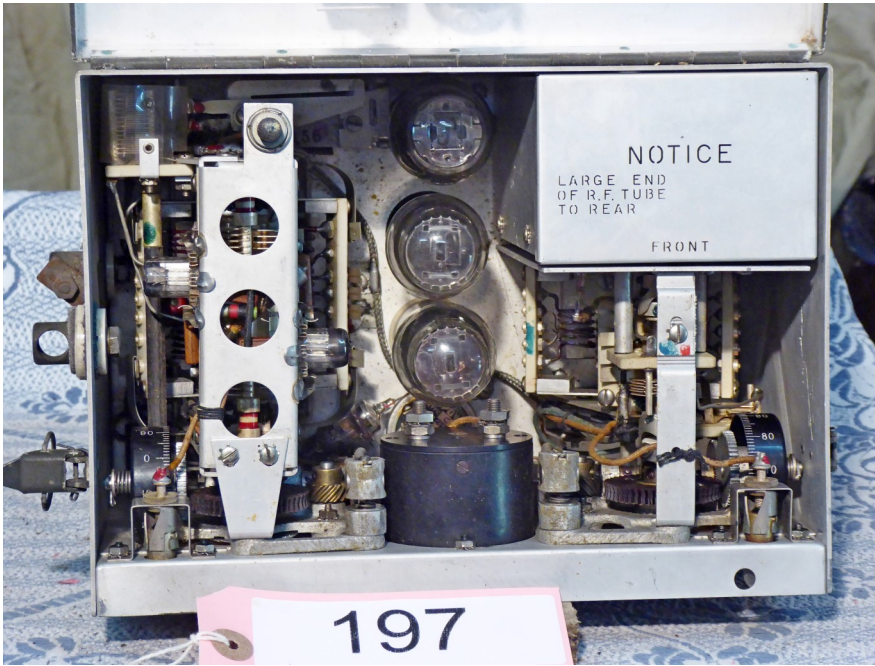


Navajo Code Talkers were used in every major operation involving the Marines in the Pacific theatre. Their primary job was to transmit tactical information over telephone and radio.

It was not the first time that Native American languages had been used in battlefield scenarios

The Choctaw language was used in the transmission of secret tactical messages during World War I. It's result was a successful surprise attack against the Germans who had already learnt the benefits of monitoring their opponent's radio traffic.





As a result Germany and Japan sent students to the United States after World War I to study Native American languages and cultures, such as Cherokee, Choctaw, and Comanche . Come the second World War the military were conscious of tactical communications being monitored by the Japanese so they looked around for different language.

The Navajo language seemed to be the perfect option as a code because it is not written and very few people who aren't of Navajo origin can speak it. However, the Marine Corps made the code virtually unbreakable by further encoding the language with word substitution.

It is believed that although the Japanese captured and tortured a Navajo POW, Joe Kieyoomia, they never succeeded in cracking the code.

During the course of the war, about 400 Navajos participated in the code talker program but the hard work of the Navajo Code Talkers was not recognized until after the declassification of the operation in 1968.

In 1982 President Ronald Reagan gave the Code Talkers a Certificate of Recognition and declared August 14 "Navajo Code Talkers Day".

In 2000, President Bill Clinton signed a law which awarded the Congressional Gold Medal to the original 29 Code Talkers.

In 2001 President George W. Bush presented the medals to the four surviving Code Talkers at a ceremony held in the Capitol Rotunda in Washington.

Some examples of Navajo coding

ITEM	IN NAVAHO	TRANSLATION
PLANES	WO-TAH-DE-NE-IH	AIR FORCE
DIVE BOMBER	GINI	CHICKEN HAWK
TORPEDO PLANE	TAS-CHISSIE	SWALLOW
OBS. PLAN	NE-AS-JAH	OWL
FIGHTER PLANE	DA-HE-TIH-HI	HUMMING BIRD
FIGHTER PLANE	JAY-SHO	BUZZARD
PATROL PLANE	GA-GIH	CROW
TRANSPORT	ATSAH	EAGLE

Digital Library of Amateur Radio & Communications



Ever heard of it ? Well neither had I but I don't exactly move with the times these days.

[The Digital Library of Amateur Radio and Communications](#) is a free resource.

It is a library of materials and collections related to amateur radio and early communications. The DLARC is funded by a significant grant from Amateur Radio Digital Communications, a private foundation, to create a digital library that documents, preserves, and provides open access to the history of this community.

This free resource combines archived digitized print materials, born-digital content, websites, oral histories, personal collections, and other related records and publications. The goals of the DLARC are both to document the history of amateur radio and to provide freely available educational resources for researchers, students, and the general public.

For a YouTube video about the archive by K6KJN see [VIDEO](#)

[Amateur Radio Digital Communications \(ARDC\)](#) is a private foundation that exists to support amateur radio and digital communication science and technology. Visit their web page for more information.

Thamesmead Light Festival and its Free

Saturday, 4th Mar 2023

Light installations that illuminate the beauty of Thamesmead's landscape and highlight the importance of the natural environment.

The walking trail will start at the Lakeside Centre or Sporting Club Thamesmead, run along Bazalgette Way and finish at Crossway Park. On the north side of Southmere Lake there will be a showstopping 25m wide x 12m high water screening which will feature films that are projected onto it.

Visitors can also look forward to seeing: 'A Fragile World', a colourful iceberg artwork in Crossway Pond which will glow using energy generated by bike pedalling and 'Unity', which was designed to help people reconnect and appreciate the importance of public art. The Pathways to the Thames project team will be speaking with visitors about their plans to create a new path to connect Southmere Lake to the River Thames, a project which is in partnership with Sustrans and the GLA.



THE QSO TODAY VIRTUAL HAM EXPO RETURNS

MARCH 25-26, 2023 WITH THE THEME "NEW AMATEUR RADIO LICENSE - NOW WHAT?"

LOS ANGELES, Ca - The amateur radio hobby is alive and well and coming to the QSO Today Virtual Ham Expo on March 25-26th, 2023 with the theme: "New amateur radio license - now what?". While the general public may not be aware that the hobby of amateur radio is not only alive and well, it is bigger and better than it ever was. Many new amateur radio licensees may not know what opportunities for fun and growth exist in the hobby, once they leave their exam with their new license in hand. The goal of the Expo is to get more ham radio licensees on the air and involved in the hobby.

This 6th QSO Today Virtual Ham Expo will showcase, through a weekend of presentations with live video questions and answers, the wide range of ham radio activities, technology, and communities that exist, not only in North America, but around the world. "Amateur Radio is now like the traditional circus of old, with the traditional communications activities in the bigtop's three rings, but now with a midway of a thousand tents, each containing a unique and interesting ham radio activity", said Eric Guth, 4Z1UG, QSO Today podcaster and creator of the Expo.

The Expo is presented on the vFairs virtual convention platform that creates virtual spaces and lounges for attendee interaction, a presentation auditorium with multiple simultaneous speaker tracks, and opportunities to interact through video, audio, and text chat with sponsors and exhibitors. Every new edition of the Expo features new interactive features to enhance participation and educational benefit to amateur radio operators who want to try something new, or learn more about something in the hobby that interests them. This time the Expo will introduce match-making between attendees who need amateur radio mentoring and potential mentors who match skills, expertise, and the location of hams needing help.

The QSO Today Virtual Ham Expo will return on Friday Evening, March 24th at 6:00 PM PDT, that's Pacific Daylight Time, with the show's opening and includes live shows by distinguished ham radio podcasters and YouTubers. Interactive spaces and lounges are open for a continuous 48 hours over the weekend. Presentations begin at 8:00 AM PDT, Saturday morning, March 25th, 2023. After the weekend, all of the presentations are available for 30 days to ticket holders. Tickets are on sale now at a cost of \$15.00 each at qsotoday.vfairs.com/en/registration-form [<http://qsotoday.vfairs.com/en/registration-form>]

For more information, go to the QSO Today Virtual Ham Expo website at: <https://qsotodayhamexpo.com> [<https://qsotodayhamexpo.com>].

Background:

The QSO Today Virtual Ham Expo started during the Covid-19 Pandemic and was the first Worldwide amateur radio virtual convention attracting almost 25,000 amateur radio operators in August of 2020. After five "Expos", the QSO Today Virtual Ham Expo has a reputation for the best amateur radio presentations, to thousands of amateurs, with live questions and answers during every session. These presentations, now almost 400 of them, are available on the Expo's Vimeo and YouTube channels.

The QSO Today Virtual Ham Expo partners with the ARRL - The National Association for Amateur Radio to bring this virtual ham radio convention twice a year.

Eric Guth, amateur radio call sign 4Z1UG, from Israel, is the creator of the QSO Today Podcast, and does a weekly interview with the ham radio operators, now over 430 episodes. Eric created the QSO Today Virtual Ham Expo as a way to engage amateur radio licensees and operators who enjoy presentations on a wide variety of amateur radio topics now reachable over the Internet.

Expo Website: <https://qsotodayhamexpo.com> [<https://qsotodayhamexpo.com>]

Vimeo Channel: <https://vimeo.com/qsotodayhamexpo> [<https://vimeo.com/qsotodayhamexpo>]

YouTube: <https://youtube.com/@qsotodayvirtualhamexpo> [<https://youtube.com/@qsotodayvirtualhamexpo>]

QSO Today Podcast: <https://www.qsotoday.com> [<https://www.qsotoday.com>]

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Los Angeles, CA 90027

Note I have included this in the newsletter at the request of the organisers. Editor

Volunteers wanted to test the Luton DART shuttle train

In case you have not heard of it the Luton DART is a new airport shuttle which will transport passengers from Luton Airport Parkway station to London Luton Airport in under 4 minutes. It has long been a problem that once you get to the station at Luton you then had to get to the airport but that is all about to change.

It is opening late and over budget (nothing new there), but ahead of the opening date, they're looking for volunteers to take part in a series of trials which will take place in March.

During the trials, volunteers will be asked to take part in a series of trial situations including fire evacuation, station evacuation and a series of customer service scenarios. Volunteers are required to detail their availability for each date, volunteers will be chosen based on a first come first serve basis.

Wednesday 8th March 2023, 9am – 1pm
Monday 13th March 2023, 2pm – 5pm
Wednesday 15th March 2023, 9am – 1pm
Saturday 18th March 2023, 9am – 1pm

Interested ? Then apply following the link below.. You will be required to bring one empty suitcase with you.

[Luton Dart Volunteering](#)

From this part of the world Luton Parkway is easy to reach using Thameslink, from many stations including Dartford and Abbey Wood. If you have a freedom pass you will need to buy a ticket from Elstree and Boreham Wood onwards.



During a recent visit to Western Australia I saw a number of blue trees and wondered what they were about.

They are part of the Blue Tree Project which was inspired by Mukinbudin's Jayden Whyte and his friend Tjarda Tiedekn who in February of 2014, in the dead of night, decided to sneak out and paint a dead tree bright blue.

[The Blue Tree projects](#) mission is to help spark difficult conversations and encourage people to speak up when battling mental health concerns.

“by spreading the paint and spreading the message that "it's OK to not be OK", we can help break down the stigma that's still largely attached to mental health.”

That's all for this issue any comments, observations or even criticism would be much appreciate. In fact it would be appreciated if you even read it.

Dave G4yib 26.2.2023