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Audio file

[20230702.newswest.mp3](#)

Transcript

00:00:06 Speaker 1

This is BK6 ARN, news West. We are a community organisation and we've been serving up the best amateur radio news in Australia since 1931.

00:00:24 Speaker 1

Hi, this is Clinton, VK 6 FCRC and this is news W for the 2nd of July 2023 now. Over to you, Steve Kennedy VK 6 SJ with did you know?

00:00:35 Speaker 2

Hi, I'm Steve AK6SJ, with this week's episode of.

00:00:38 Speaker 2

Did you know?

00:00:39 Speaker 2

Today I thought I'd talk about CSS. Anyone who has completed a foundation course recently would have heard led the basics of the use of CCSS.

00:00:48 Speaker 2

But also that only one repeater in WA seems to use it.

00:00:53 Speaker 2

What is CTC CSS and why do we use it?

00:00:56 Speaker 2

We'll CD CSS is a subaudible tone used to validate a received signal prior to allowing that signal to be other presented to a speaker, or in the case of a repeater presented to the transmitter for retransmission.

00:01:09 Speaker 2

The tone is typically transmitted about 500 Hertz deviation. Remembering that the deviation of a normal voice transmission is five kHz, so presents to the receiver as a much louder signal and uses as one of a set of tones universally recognised and available in any radio employing CTSS.

00:01:28 Speaker 2

The reason for using the tone is that it assists in ensuring no interference or invalid signal can trigger a repeater where repeaters share a common frequency prevents the two repeaters from locking up, IE each repeated triggering the other other during periods of ducting and from a mobile or portable perspective.

00:01:48 Speaker 2

Presents invalid signals. Prevents invalid signals from presenting to your speaker.

00:01:54 Speaker 2

On 2 metres in particular, there are many devices that will overload most Hamrick receivers off traffic lights or around service stations.

00:02:02 Speaker 2

Road paging transmitters will also often interfere, again mostly on 2 metres.

00:02:07 Speaker 2

Hammerings are often dual band radios and by definition need to have reasonably wide filtered receiver front ends, so tend to be a bit more susceptible to interference even by devices that are actually compliant to Australian specifications.

00:02:22 Speaker 2

In the commercial radio sector, CDC CSS has been mandatory for decades and is very commonly used. In fact, I don't think I've ever come across an analogue radio system not using either C, CSS or proprietary protocol carrying out the same purpose.

00:02:38 Speaker 2

On the East Coast, where there are obviously many more hams and more repeaters in close proximity, CTCSS has become much more commonplace in WA. There are far less repeaters using common less common frequencies where you actually need to use something like CTCSS, so we tend not to use this.

00:02:56 Speaker 2

The benefits of using CTS CSS though even may be only on a repeated transmitter, so that users can employ receive a protection if they so desire. A definitely worth the effort, which in most cases is just a matter of reprogramming the feature into the configuration of the repeater or user radio.

00:03:15 Speaker 2

CDC CSS has been a standard feature of any hammering built since the early 80s, and even for the older radios, there's still 1 two companies online selling CTCSS encoded decoder boards. They can add the feature to the oldest radios.

00:03:29 Speaker 2

I would suspect the percentage of radios and WA not capable of using CTCSS though would be well under a percent.

00:03:38 Speaker 2

Speaking to other hams about this feature has brought out some interesting reasons why we shouldn't implement it. It's not needed is one of the biggest ones. However, I think most of us have had to turn the two metre rig down when passing a service station for instance. So I can see why it could be needed.

00:03:54 Speaker 2

Some radios might not have that feature. I believe some members of our community tracked down a rogue.

00:04:01 Speaker 2

Paging transmitter that was interfering with the local simplex channel or repeater. I'm not sure the exact details.

00:04:07 Speaker 2

Had CTSS employee been employed?

00:04:10 Speaker 2

The interference would have only been noticeable very close to the location of the interfering transmitter where the interference was a higher signal and the valid transmission.

00:04:20 Speaker 2

If you have a radio that's more than 40 years old, might be a good time to convince the trouble and strife that.

00:04:25 Speaker 2

You need a new rig.

00:04:28 Speaker 2

If you have a home mode radio then I'm sure it's permitting this feature. Could be a walk.

00:04:31 Speaker 2

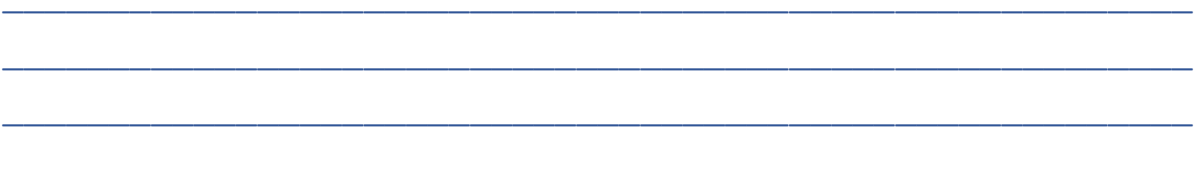
In the park.

00:04:33 Speaker 2

So struggling to think of the next club project, maybe this one should.

00:04:36 Speaker 2

Be it. Thanks for listening. This has been V Steve VK 6S J with another episode of did you know?



00:04:43 Speaker 1

Terry Clinch VK 6 LTC advises us.

00:04:48 Speaker 1

Sadly, of the passing of his father, Ian Clinch on the Tuesday the 26th, 7th of the 6th, 2023 at Trinity Lodge, Juniper aged Care facility in Bentley, he was born in Geraldton on the 1st of March 1926, making him 97 in followed on the family transition.

00:05:08 Speaker 1

Tradition and amateur radio.

00:05:11 Speaker 1

Is Dad Gladstone, VK 6 Jr or JP? From memory was a long time ago and achieved his licence in 1954.
A full call with Morse and was.

00:05:24 Speaker 1

The VK 6 CL Corzine crayfish legs, as he was known by those who knew him well or we were on holidays with us, camped out at the mouth of the Granite River, feeding on lovely cooked local court crayfish. There was more humour in ham radio back then. He loved amateur radio.

00:05:44 Speaker 1

And was keen Contester scoring well in well, well, well contests as well as the local Rd contests.

00:05:53 Speaker 1

Others he always had a mobile transceiver, a pole or two.

00:05:59 Speaker 1

In some wire stacked away in the trailer, usually some old military radio, as most did in those days, is farming on a property just east of milling. When he acquired his licence using the knowledge he gained while training and serving as a radar technician with the R Double AF.

00:06:18 Speaker 1

At Pierce F4 space during the war, he built all his own amateur gear.

00:06:24 Speaker 1

And a 60 foot self standing tower.

00:06:28 Speaker 1

To which he bolted, a huge VK 6 Gu beam with assistance from the bill beam builder and good friend John Harlock VK 6 Gu, another good friend was VK 6KJ, Bernie Gates, Bernie, Ian, Clem.

00:06:48 Speaker 1

VK 6 W John.

00:06:53 Speaker 1

VK 6G U and the Chapman wooburn ray. I think it was his name and a few others that I can't remember, were instigators and setting up the 80 metre shaving it, which is still active to this day.

00:07:08 Speaker 1

I remember Bernie was mobile. He had a 101 hanging below the dash of his car, plenty of room back then. He put a smile on his face and made his day. When I told him I'd checked.

00:07:21 Speaker 1

In on the current Shavers net group, with my own call sign moving on and using his electronic knowledge, Ian was responsible for introducing HF radio to the local civil defence group, mining companies, government departments such as the country's medical and Community health services, and SWOT travelling the state.

00:07:41 Speaker 1

In a converted, non insulated Bedford Craven a van installing.

00:07:48 Speaker 1

Servicing HF radio systems statewide. He was married to Roma EXYL, deceased for 70 years, 1947 to 2015, who reluctantly allowed him to pursue his ham radio hobbies. His list of achievements goes on and on, but I just don't have time on this forum in funeral service will take place.

00:08:08 Speaker 1

In the Chapel of Bora and Oday, funeral directors.

00:08:14 Speaker 1

1307 Albany Highway Cannington commencing 10 AM on the Friday the 14th of July 2023, rest in peace Old Man.

00:08:26 Speaker 1

Terry Clinch, VK 6 LTC.



00:08:29 Speaker 3

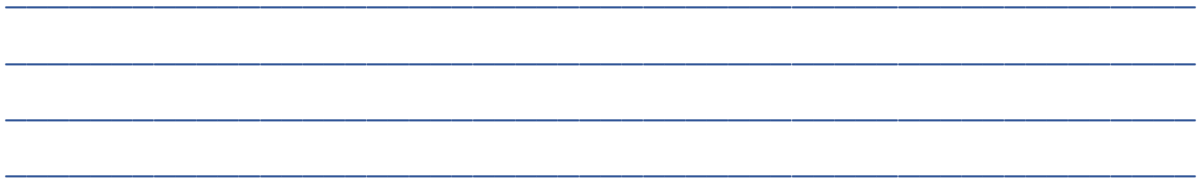
This is wag the West Australian repeater group. This is wag the West Australian groupid. No, not that kind of repeater group. The next meeting of WAG is tomorrow evening at the Scout Hall. #12 Australia 2. Drive in Crawley. Come along if you can. Doors open at 7:00 PM as usual for a 7:30 PM start.

00:08:49 Speaker 3

The WAG website is to be found at [www.warg.org dot AU](http://www.warg.org.au). That's [wag.org dot AU](http://wag.org.au). Are you not a member yet? Consider joining, come along and catch up. Have a coffee and a biggie and learn about repeaters. Hope to see you there tomorrow night. This has been mark.

00:09:10 Speaker 3

K6F IV, E4VK6R G and you are listening to News West.



00:09:18 Speaker 4

This is Martin VK 6MJ for the Peel Amateur Radio group. Just an update on our group Peter which is VK6R MH on 146.850 megahertz with a 91.5 C CSS tone.

00:09:35 Speaker 4

The repeater is operating in All Star. We've now enabled the echolink node on the All Star node as well. So with your echo link programmes, if you dial up VK 6 RM H-R or node number 69283.

00:09:55 Speaker 4

One you will be able to connect to our repeater directly and through the repeater into the All Star network as well.

00:10:05 Speaker 4

Martin VK, 6MJ for the Peel Amateur Radio group.

00:10:09 Speaker 5

Good morning Roy, VK 6X Victor with this week's hotline, follow the 1st of July 2023. Nothing to report today. Unfortunately, no one called in with anything for sale or help wanted whatever. So today we have very little foil or in fact 0 for you if you like anything the next.

00:10:27 Speaker 5

Nick, please contact me. The email address. Victor K6X, victor@bigpond.com. And I'll deal with whatever you require at that time. This is Roy, VK 6X, Victor 7/3 for now.

00:10:40 Speaker 1

I'd like to thank all the volunteers, contributors and broadcasters each week, as without you, it wouldn't be possible to produce the weekly news. Please remember to send your contributions into news.w@vk6.net before midday Fridays. Also, before I go remember, News W is also available now.

00:10:59 Speaker 1

This text on the VCO six.net website.

00:11:02 Speaker 1

And on VK 6 FCRC, please stand by after the evidence for callbacks.