The Official Newsletter of the

PAPAKURA RADIO CLUB INC.

March 2023

When all else failed … Radio Worked

CONTENTS ...

This Month's Meeting:

Whois nibbb.org
Wednesday 1st of March will be the next meeting for 2022. Following general business, we will have a presentation on the activities of AREC during the recent flooding and Slips around the Auckland region.

We expect interest in the topic to be high, and attendance by some new faces is likely, so please make any new faces you may see welcome.

As always, if transport is a problem, let the committee members know, and we may be able to assist with arranging a ride for you.

CLUB ACTIVITY:

We are back to a “more” normal schedule with meetings, and

While Auckland remains in a state of recovery, the club can operate normally, and all facilities are functional.

Our building is undamaged and while the ground may still be a little wet, it is not flooded, so we should be able to run a normal monthly schedules

You may notice a few sanded doors around the building, these are in preparation for painting, and we are waiting for the timber to dry before applying paint to the surfaces.

NZART CONTEST CALENDAR

No contests are listed for March

NEW RADIO SPECTRUM MANAGEMENT REGISTER

An update on the new Radio Spectrum Register for you all. It appears as with any new system, a number of issues have arisen, but rest assured RSM along with a couple of ARX’s are working with the team to resolve them as quickly as possible.

A summary of issues to date:

1. We (i.e., an ARX) can no longer update your address details, this needs to be done by you the call sign holder, by ringing 0508 776 463.

2. Change of primary call sign – this appears to be a feature of the old system, that somehow has been overlooked, so RSM are working to resolve this issue ASAP.

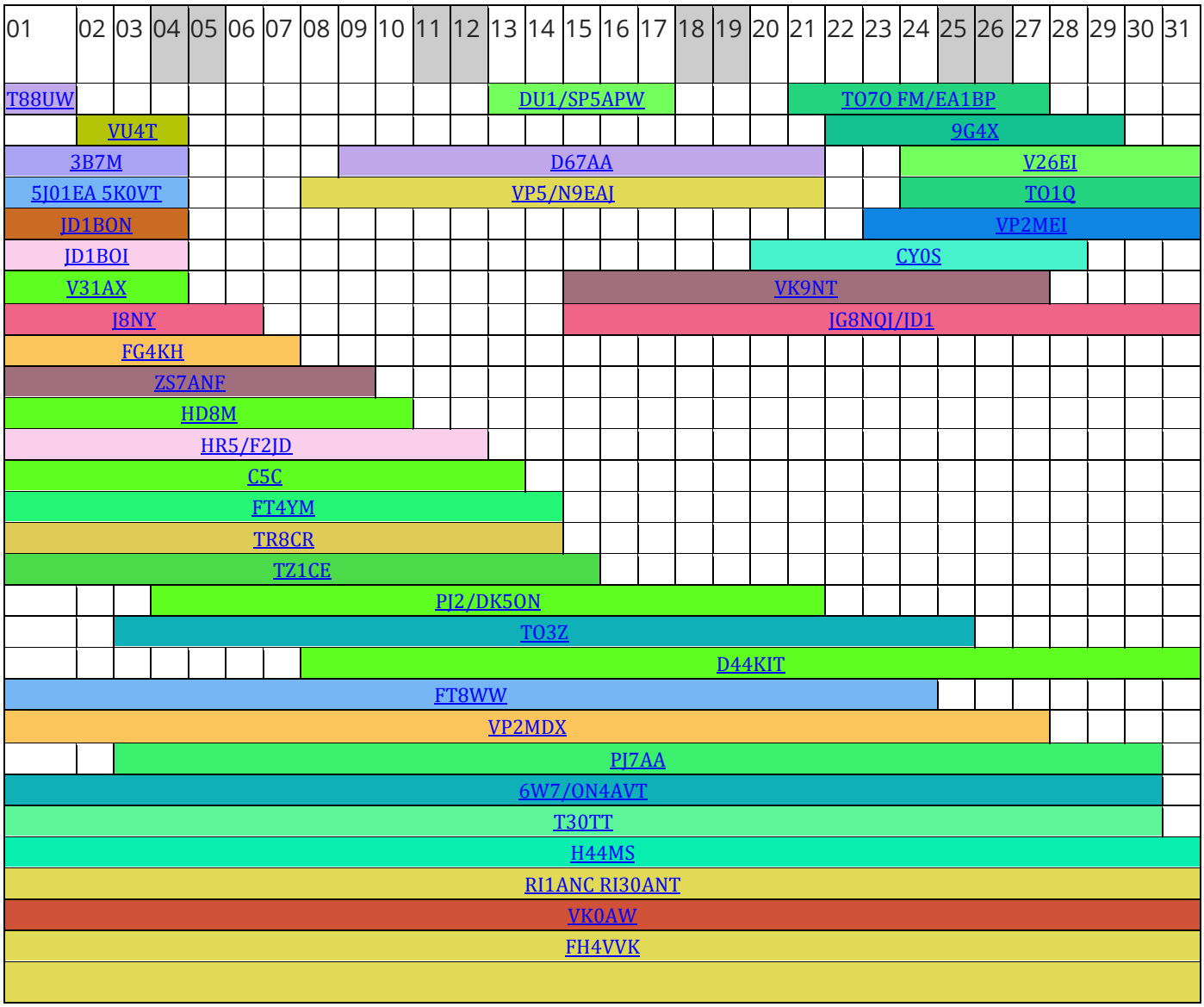
3. Photo sizes, fortunately we are now able to upload bigger and better photos, however the quality of the photo MUST be Hi resolution with a minimum of 500KB in size. No dark glasses can be worn, with eyes being clearly visible. All photo’s must be less than six months old.

4. If applying for a temporary call sign, please also provide an up-to-date photo, as this is a great opportunity to make sure your records in the register are the most recent.

5. Temporary one letter callsigns will see changes coming with the publication of the new PIB 46 document. Unfortunately, these will NOT be allocated on a permanent basis. More on this as details come available.

Ex Infoline – From Debby Morgan NZART

DX CALENDAR FEBRUARY 2023



Featured DX

Think Antarctica – as we have two good contact opportunities.

Alex, RG1A will be active as RI1ANC from Vostok Station, Antarctica, and has been spotted on 14.164

And

Allan, VK0AW is active from Davis Base, IOTA AN - 016, Antarctica operating on HF Bands.

Alan Has been spotted on 20 Metres 14.195

UPCOMING CONTESTS

Note: All dates and times are in UTC,

Start - Finish Date-Time				Bands	Contest Name	Mode	Exchange	Sponsor's Website
1	1700	1	2100	144	VHF-UHF FT8 Activity Contest	Dig	4-char grid	www.ft8activity.eu/index.php/en
1	2000	1	2100	3.5	UKEICC 80m Contest	Ph	6-char grid	www.ukeicc.com/80m-rules.php
1	2300	5	2300	3.5-14	AWA John Rollins Mem. DX Contest	CW	RST, equipt type, year	antiquewireless.org
2	0000	3	0300	7	Walk for the Bacon QRP Contest	CW	Max 13 WPM; RST, SPC, name, mbr or pwr	qrpcontest.com/pigwalk40
2	1800	2	2200	28	NRAU 10m Activity Contest	CW Ph Dig	RS(T), 6-char grid	nrau.net/nrau-contests-in-general
2	2000	2	2200	1.8-28,50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
3	0145	3	0215	(see rules)	NCCC RTTY Sprint	Dig	Serial, name, QTH	ncccsprint.com
3	0230	3	0300	(see rules)	NCCC Sprint	CW	Serial, name, QTH	ncccsprint.com
3	2000	3	2100	1.8-28	K1USN Slow Speed Test	CW	Max 20 WPM; name, SPC	www.k1usn.com/sst.html
4	0000	5	2359	1.8-28	ARRL International DX Contest, SSB	Ph	W/VE: RS, SP; non-W/VE: RS, pwr	www.arrl.org/arrl-dx
4	0000	12	2359	3.5,7,21, 28,144	Novice Rig Roundup	CW	Name, QTH; (optional rig)	www.novicerigroundup.org
4	0600	4	0800	7,14	Wake-Up! QRP Sprint	CW	RST, serial, suffix previous QSO	qrp.ru/contest/wakeup
5	0700	5	1100	3.5	UBA Spring Contest, CW	CW	RST, serial, UBA section (if ON)	www.uba.be
5	1200	5	1400	7	SARL 40m SET	Ph	RS, serial	www.sarl.org.za
5	1200	5	2200	3.5	NSARA Contest	CW Ph Dig	RS(T), Nova Scotia county or serial	www.nsara.ca
5	1800	5	2200	3.5	WAB 3.5 MHz Phone	Ph	RS, serial, WAB square or country	wab.intermip.net/Contests.php
6	1630	6	1729	3.5,7	OK1WC Mem. (MWC)	CW	RST, serial	www.memorial-ok1wc.cz
6	2000	6	2130	3.5	RSGB 80m Club Champ., Data	Dig	RST, serial	www.rsgbcc.org/hf
7	0200	7	0400	3.5-28	ARS Spartan Sprint	CW	RST, SPC, pwr	arsqrp.blogspot.com
7	1900	7	2100	3.5	AGCW YL-CW Party	CW	RST, serial, "YL" (if YL), name	www.agcw.de/contest/yl-cw-party
11	0000	11	2359	3.5-28	YB DX RTTY Contest	Dig	RST, serial	rtty.ybdxcontest.com
11	1000	12	1000	3.5-28	RSGB Commonwealth Contest	CW	RST, serial	www.rsgbcc.org/hf
11	1200	12	1200	3.5-28	EA PSK63 Contest	Dig	RSQ, EA province code or serial	concursos.ure.es/en/eapsk63
11	1200	12	1200	28	South America 10m Contest	CW Ph	RS(T), CQ zone	sa10m.com.ar/wp/rules
11	1200	12	2359	1.8-28,50	SKCC Weekend Sprintathon	CW	RST, SPC, name , mbr or "none"	www.skccgroup.com
11	1400	11	2000	3.5-28	AGCW QRP Contest	CW	RST, serial, pwr, mbr or "NM"	www.agcw.de/contest/qrp
11	1500	12	1500	1.8	Stew Perry Topband Challenge	CW	4-char grid	www.kkn.net/stew
11	1500	12	2100	3.5-28,50	Oklahoma QSO Party	CW Ph	RST, OK county or SPC	www.k5cm.com/okqp.htm
11	1800	12	0559	3.5,7	Tesla Mem. HF CW Contest	CW	RST, serial, 4-char grid	www.radiosport.org.rs
11	1900	12	1900	1.8-28	Idaho QSO Party	CW Ph	RS(T), ID county or SPC	www.pocatelloarc.org/idahoqsoparty
12	0700	12	1100	144	UBA Spring Contest, 2m	CW Ph	RST, serial, UBA section (if ON)	www.uba.be
12	0700	12	1700	3.5-28	FIRAC HF Contest	CW	RST, serial, "F" (if mbr)	www.firac.de
12	1800	13	0100	All	Wisconsin QSO Party	CW Ph	WI county or SPC	www.warac.org/wqp
13	0000	13	0200	1.8-28	4 States QRP Group 2nd Sunday Sprint	CW Ph	RS(T), SPC, mbr or pwr	www.4sqrp.com
13	1630	13	1729	3.5,7	OK1WC Mem. (MWC)	CW	RST, serial	www.memorial-ok1wc.cz
15	2000	15	2130	3.5	RSGB 80m Club Champ., CW	CW	RST, serial	www.rsgbcc.org/hf
16	0000	17	0300	14	Walk for the Bacon QRP Contest	CW	Max 13 WPM; RST, SPC, name, mbr or pwr	qrpcontest.com/pigwalk20
16	0030	16	0230	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or pwr	naqcc.info
16	1900	16	2059	3.5	BCC QSO Party	CW Ph Dig	RS(T), T-shirt size	www.bavarian-contest-club.de
18	0200	20	0159	3.5-28	BARTG HF RTTY Contest	Dig	RST, serial, 4-dig UTC	www.bartg.org.uk
18	1200	19	1200	1.8-28	Russian DX Contest	CW Ph	RS(T), oblast or serial	www.rdxc.org
18	1200	19	1200	3.5-28, 144	F9AA Cup, SSB	Ph	RST, serial	www.site.urc.asso.fr
18	1400	18	1800	144,432	AGCW VHF/UHF Contest	CW	RST, serial, pwr class, 6-char grid	www.agcw.de/contest/vhf-uhf
18	1400	19	2359	No WARC	Virginia QSO Party	CW Ph Dig	Serial, VA county or SPC	www.qsl.net/sterling/VA_QSO_Party
19	0700	19	1100	3.5	UBA Spring Contest, SSB	Ph	RS, serial, UBA section (if ON)	www.uba.be
20	1800	20	2059	3.5,7	Bucharest Digital Contest	Dig	RST, serial	yo3test201x.blogspot.com
21	1700	26	1700	3.5-28	CLARA Chatter Party	CW Ph	RS(T), name, SPC	clarayl.ca/chatter-party
23	2000	23	2130	3.5	RSGB 80m Club Champ., SSB	Ph	RS, serial	www.rsgbcc.org/hf
25	0000	25	2359	1.8-28,VHF	FOC QSO Party	CW	RST, name, mbr (if any)	g4foc.org/qsoparty
25	0000	26	2359	1.8-28	CQ WW WPX Contest, SSB	Ph	RS, serial	www.cqwpx.com/rules.htm
26	0600	26	1000	50	UBA Spring Contest, 6m	CW Ph	RS, serial, UBA section (If ON)	www.uba.be
27	2000	27	2130	3.5-14	RSGB FT4 Contest	Dig	4-char grid	www.rsgbcc.org/hf
29	2000	29	2100	3.5	UKEICC 80m Contest	CW	6-char grid	www.ukeicc.com/80m-rules.php

JOCK WHITE FIELD-DAY 2023 (SHORT VERSION)

Take 2 cases of deli-belly, 5 Hams, 1 bus, 1 camper, 2 dogs, 2 radios and assorted cables and antennas and you have …. Either a start for a very strange joke, or the late start on Saturday of the Papakura entry for Jock White Field day 2023 *(ok Dave's case might have been food poisoning, But Deli Belly rolls off the tongue easier better)*

With a later-than-normal gathering at the clubrooms, the logistics of setting up the bus began. As we had started with 6 attempts to get the pole up, then 4 then 2, the goal was to have this one up the first time, but perhaps we should have noticed the pattern and been for-warned. 6-4-2-0

The bus was positioned, the securing bolts released (some of which required more than a little added lubricant) and then with the battery connected and the controller inserted the fun began. The winch would loosen, But not pull in… after several tests and tweaks it became apparent that the issue was in the inaccessible relay box, and the whole winch would need to be dropped, so there was no way we would be using that pole. No problem – we have a spare. So, Plan B, Here we come.

The pole was guyed, and then came the lifting attempt, but it was not to be. The pole ended up with a bend, and it was clear that this pole was never going to do the job for us, So Now with Plan C, we got out another pole, and tried again. This time with more success, and with almost 12 metres in the air, we started rigging the antenna.

The next set of problems began the moment we started to lift the halliard to raise the antenna, The pole, Which had seemed so stable began to sway and bend. Dropping the antenna, we realised that we would need to reduce the number of sections, lowering the mast, but increasing the stability.

So after 4 radically different attempts, and now approaching 2 o'clock we were finally able to pull up one end of the dipole, which left us the rope and pully in the tree to secure the other end. After a few attempts, and with all the manpower we could muster we finally managed to pull the diploes into the air, and the work of setting up the operating stations could begin.

At 3pm after a short 10 minute coffee break, we made our first transmissions, and the field day was underway.

Our station was assigned to the 40 Metre band, while David worked the 80 Metre band from the bus. The 80-metre band turned out to be a difficult band over the entire contest, but with improved night-time conditions, 40 was more consistent, but with high international noise at night and constantly changing Skip distance, and of course skip zones. Nevertheless, we were able to achieve some great contacts with other field stations, and multiple home stations, as well as some valued contacts from Australian operators during the night hours.

It was great to have Timothy on the mic, and Ian joined us for some logging at different times too. And Yes, our power source this year was rechargeable batteries and Solar panels.

Naturally having to have the dogs with us, meant that operators had to rotate and as well as operating the station, we needed to walk the dogs between rounds.

Unlike other years Club member visits were rare, but several members of the public did enquire as to our setup in the park, but these were great opportunities to discuss the reasons behind the contest, and the skills that the operator needed to erect, maintain and operate a station in less than ideal conditions,

Following the many issues of the last few weeks, the reception, once they understood what we were doing with radio, was very positive, and it seems that the interest in Radio may be well situated for a more positive reception if we again promote it.

Happily, the pack down was easier than the set -up and we were able to be packed away and on our way home by 4pm on Sunday

We will submit a more complete field day report in the next newsletter, but for now, we are all glad to have managed to complete another field day, even though there were plenty of times when it seemed like we would not make it this year.

Hopefully, we will see some new operators, and possibly some different designs for the station next year.

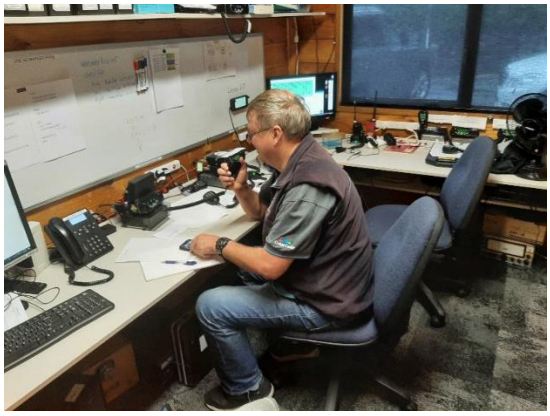
But for now, We will just look forward to some sleep

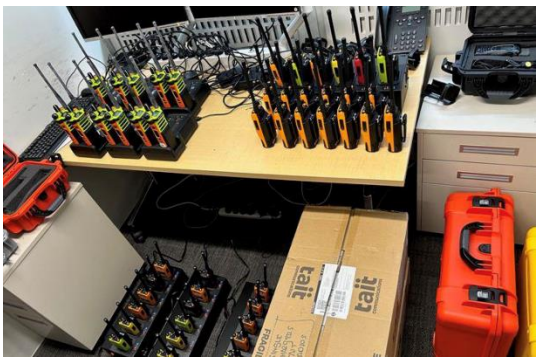
RAMBLINGS FROM THE EDITOR'S DESK

It's hard to think that one month after writing about the flooding in Auckland, we would be looking back at an additional two major events, and damage that is now nationwide and even more extensive than we could have considered, and it seems that the weather is not yet finished with us.

Hopefully, you have taken the advice of the authorities and prepared yourself and your homes for future events, including the ability to look after yourself for three days. If not, may I suggest that it's not too late, and never too early.

Sadly the events of the last few months have shown us that the internet and cell phones are no replacement for a good radio communications system, and with Auckland cut off from the National Systems (along with any other sites) the benefits of HF communications have never been more apparent to those who are willing at look at all of the options, yes "Starlink" has provided excellent services during the outages, but the example of the hams in Gisborne with HF should be a lesson for us all if we are thinking about how to be best prepared for what the future may hold.





During the Auckland event, AREC provided communications support to AEM with 18 operators, 25 standby personnel, and two volunteers who sourced 60 radios, programmed them and made these available to AEM after a marathon 8-hour programming exercise. You can read more about AREC activities here: https://www.nzart.org.nz/arec/arec-respond-to-cyclone-gabrielle, or attend our Wednesday meeting, and hear from Andy Brill, about the Auckland team's efforts.

Jock white field day shows that with the bands made available to us for hobby and experimentation, and with our technical skills kept sharp, Amateur radio operators can offer a lot of much-needed technical skills to communities who are seeking to upgrade their local resilience. And if the start of this year has shown me anything, it's that many are looking to become more resilient this year and prices hike, and systems seem to be under more pressure daily.

To Quote the release of the International Amateur Radio Union …

The International Amateur Radio Union announces that Human Security for All, HS4A, will be the theme of World Amateur Radio Day on 18 April 2023. For the first time, the United Nations Trust Fund for Human Security and the World Academy of Art and Science are partnering with IARU in a campaign to highlight the role that amateur radio plays in addressing the world's most pressing needs.

Human Security measures security at the individual level. First introduced by the U.N. in 1994, the concept identifies seven interrelated dimensions of security that are essential to an individual's wellbeing: economic, food, health, environmental, personal, community and political.

The partners believe Amateur Radio is uniquely positioned to address people-centered, context-specific security challenges by promoting technical knowledge, practical skills, innovative technology, and the deployment of backup systems at the community level that can be called upon in times of emergency. The pandemic, climate change, natural disasters, and armed conflicts on several continents undermine our security and respect no boundaries. Amateur Radio has repeatedly demonstrated its ability to address human security needs. It is a truly global communications medium comprising some three million radio enthusiasts connecting communities and the peoples of the world.

IARU, a federation of the national amateur radio societies of over 150 countries worldwide, is the global advocate for amateur radio through its Sector Membership in the International Telecommunication Union, an agency of the U.N., and other activities. In celebration of World Amateur Radio Day, IARU and its member-societies will be conducting a special two-week on-the-air event 11-25 April. Special event stations will be operating from around the world, making two-way radio contacts to call attention to the HS4A campaign.

This is not a mild recommendation, and whether or not you feel good about the UN or even the IARU, the reminder of what amateur radio operators have achieved in the past, even when it was misunderstood by the wider community, has in recent times been shown to be a vital community tool, While media outlets may not have shown much of the work of AREC, and local Hams in connecting communities, It has happened and it has shown to many that Radio is still an essential skill, and still very much needed.

There has never been a better time to promote the many benefits of Amateur Radio.

The special two-week event in April is a chance to get out and show the flag for Ham-Radio, we have been on the defensive for some time now, trying to show that our hobby has benefits that justify our antennas and the freedoms to operate that we enjoy, The time to make more people aware of our hobby, our role, and our abilities is now.

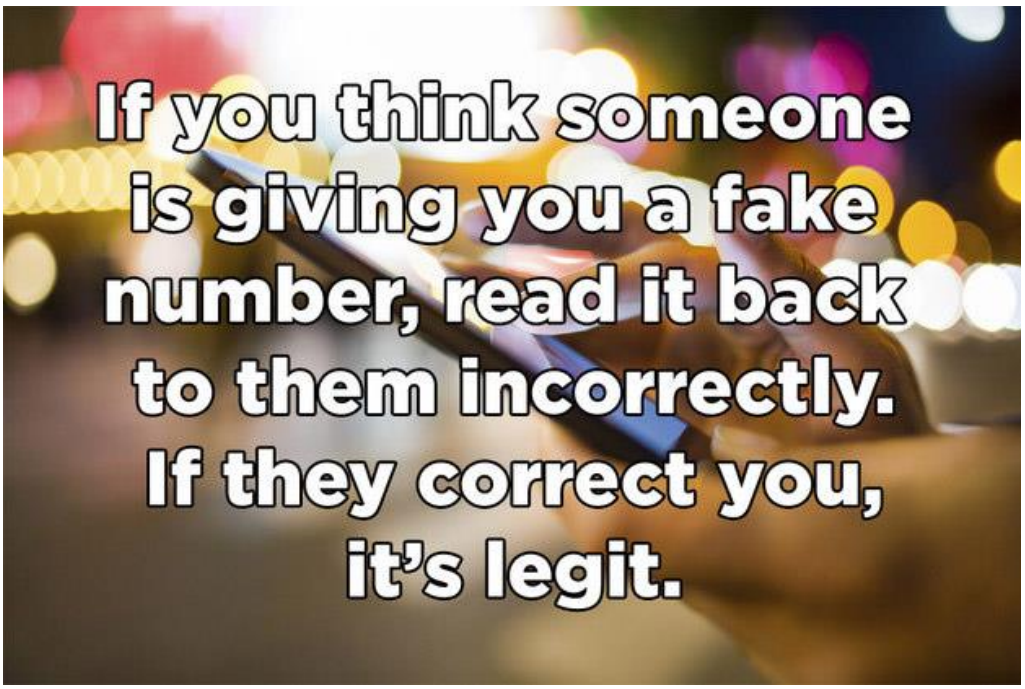
Between now and April, I will be planning to get back out to activate some parks and will ensure that we have some promotional materials to hand out, as we operate in public from the motor home, Perhaps in April, we can get out and operate from public locations to make people aware of our hobby, and in May (6th of May) we have the Papakura Streetfest as a chance to show our local community what we can do, let's not lose the momentum provided by the opportunity. Let's support the stand, Makes some waves (Radio Waves) and show the community the benefits of two-way radio communications.

As the Italian Renaissance philosopher Niccolo Machiavelli, reportedly said, "Never waste an opportunity offered by a good crisis. Or as Churchill later put it, Never let a good crisis go to waste. While the disaster that has befallen this country has not been desirable, or positive, It has happened, and two-way radio has proven its worth. More importantly, the skills of the amateur have been recognised and are sought after.

Let's take advantage of the goodwill and make sure that we are front and centre in people's minds even as we support those of us who have lost a lot, and assist with the ongoing clean up, and rebuild we need to ensure that the gains made by Two-Way Radio are not easily forgotten

Oh Yes – And NASA is also seeking our help – It's a good time to be a useful geek.

de ZL1NUX signing



THE SECRET SABOTAGE OF CITROEN'S WWII VEHICLES

1940 Saloon

1943 T23/U23 Truck

2019 Marked the 100th anniversary of the French Car maker Citroen. Not being a huge car seller in NZ, this event would have passed unnoticed by most New Zealanders, but one of the stories that did come to light in the event involved a subtle act of sabotage that says a lot about the French and more about car makers in general.

Back, when France was occupied by the Germans in 1940, major french factories like Citroën were forced to produce equipment for the Nazis. Citroën president Pierre-Jules Boulanger knew he couldn't just refuse to produce anything, but he also felt that he could not remain true to France and produce vehicles for the German War effort.

Pierre had a plan And the book Citroën 2CV, written by John Reynolds describes Boulanger's sabotage efforts.

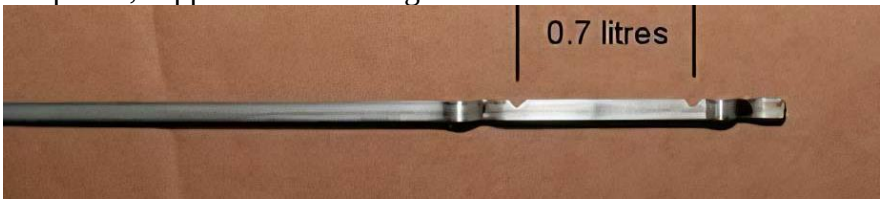
Of course, he instructed workers to set a nice, leisurely pace when building trucks (likely Citroën T45 trucks) for the Wehrmacht, but that's fairly obvious, and German overseers could apply pressure on workers to overcome something so Obvious, In addition, any modification or deliberate sabotage of the vehicle would be immediately detected by the military engineers watching the production.

Citroen's 2CV

What was needed was a change so small that it would not be detected, but would produce serious problems with the vehicle while being unable to be traced back to himself, or his engineering staff.

The final plan was simple in its elegance, sadistic in its effect, and perfect in its ability to ensure that any reliability issues would be seen as a user problem, rather than a manufacturing defect.

The sabotage that Citroen performed on the trucks built for the Wehrmacht, was to change the location of the notch on the dipstick, supplied with the engines.



The notches that indicated the acceptable levels of engine oil, both high and low were positioned in such a way, that the upper oil limit was now below the normal amount of oil that would be in the truck engine.

Subsequently, when the engines were worked hard, as in a war, the engine would overheat and seize leaving the army unit stranded.

This allowed the vehicles to leave the factory in working order, with the recommended (now below an acceptable level of oil, and as German mechanics would change the oil, and service these unreliable French engines, they would only fill the engines to the level indicated by the dipstick.

What makes this act of sabotage such a good example is that it was cheap to implement, it was extremely subtle and hard to detect, and it delivers its fatal blow at a time and place well away from the location of the sabotage, and, if you are lucky, at a time and place where it can cause the most trouble and inconvenience.

Modern Citroen Electric vehicle

Additional publications also imply that the Pant, Metal and even the bolts used were selected to be of poor quality whenever possible.

Of course, Citroen, no longer deliberately sabotage their cars as they did for the Wehrmacht, and it is doubtful that they desire to leave their customers stranded at the worst possible time and place … but It does make you wonder about why modern vehicles seem to require expensive repairs not long after the warranty period expires.

And then one wonders about our road surfaces, drainage systems, and modern electronics. Is this the first example of planned obsolescence?

I'll let you form your own opinion.

Since I can never afford a new car, It's not a matter that I have to worry about

NASA SEEKS CITIZEN SCIENTISTS – HAM RADIO OPERATORS, PLEASE APPLY.

Ham Radio operators, NASA is calling you! Members of the Ham Radio Science Citizen Investigation (HamSCI) will be making radio contacts during the 2023 and 2024 North American eclipses, probing the Earth's ionosphere. It will be a fun, friendly event with a competitive element—and you're invited to participate.

Both amateur and professional broadcasters have been sending and receiving radio signals around the Earth for over a century. Such communication is possible due to interactions between our Sun and the ionosphere, the ionized region of the Earth's atmosphere located roughly 80 to 1000 km overhead. The upcoming eclipses (October 14, 2023, and April 8, 2024) provide unique opportunities to study these interactions. As you and other HamSCI members transmit, receive, and record signals across the radio spectrum during the eclipse, you will create valuable data to test computer models of the ionosphere.

Solar Eclipse QSO Party (SEQP) (Next event: October 14, 2023)

The SEQP is a typical ham radio contest for those who wish to makes tens, hundreds or even thousands of CW, SSB and digital mode QSOs on 160-6 meters during the 2023 and 2024 American solar eclipses. Each QSO will become one of millions of data points which will help researchers answer science questions about ionospheric variability.

SEQP FAQs

SEQP Rules

Gladstone Signal Spotting Challenge (GSSC) (Next event: October 14, 2023)

The GSSC is a unique event for those who enjoy operating beacons (CW and digital), and the 'propagation study modes' of WSPR and FST4W, both transmit and receive. Signals generated and received during the GSSC will help researchers answer science questions about ionospheric variability.

GSSC FAQs

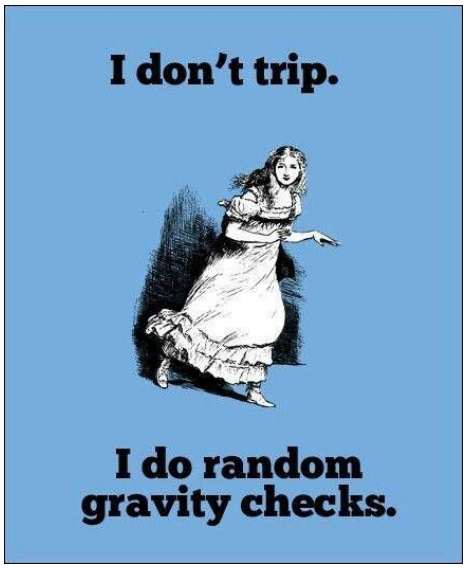
GSSC Rules

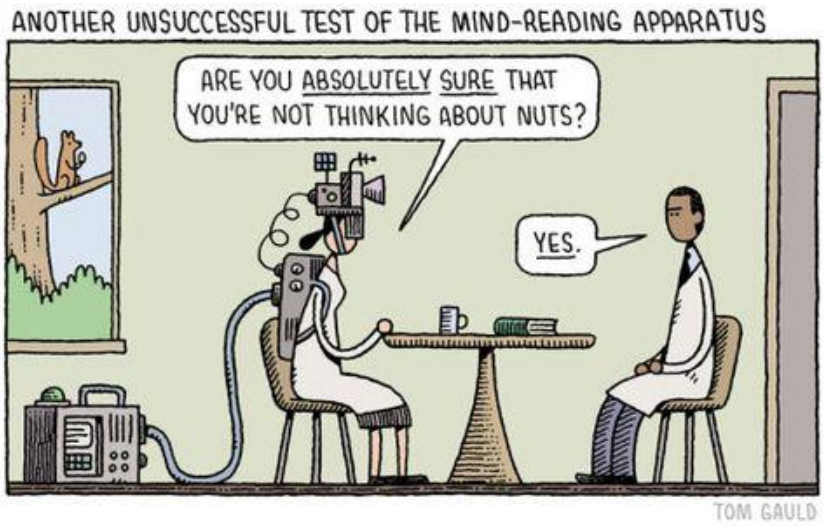
HamSCI Festivals of Eclipse Ionospheric Science (FoEIS)

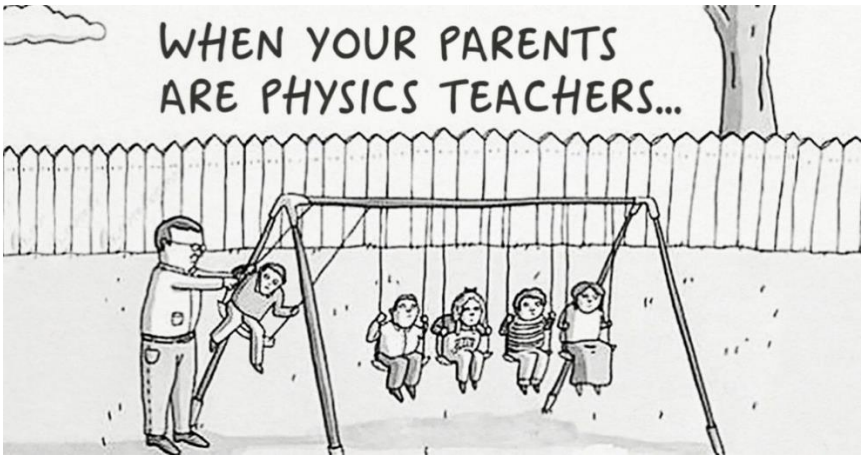
The SEQP and GSSC are part of the HamSCI Festivals of Eclipse Ionospheric Science. Members of HamSCI, the Ham Radio Science Citizen Investigation, along with the ham radio community, will be creating data for researchers by transmitting, receiving and recording signals across the HF spectrum. Upon analysis, the data should inform researchers how the ionosphere reacted to the eclipse. The data will be compared to existing computer models of the ionosphere, potentially improving the accuracy of those models. Researchers will also be looking at how the ionosphere's refractive properties varied during the beginning and ending phases of the eclipses. Further details on the scientific basis of the FoEIS will be published soon.

Hams, of course, have a long history of experimenting with space. They routinely bounce signals off the moon. They also let radio signals bounce off the trails of ionized gas behind meteors using special computer programs.

We will keep watching this space, and let you know of developments







The USAF (almost) declares war on Illinois radio amateurs

Among the topics of news this month that caught our attention, were the balloons shot down over North America that are thought to be Chinese spying devices. Among the banter came the amusing thought that enterprising trolls on the Pacific rim could launch balloons to keep the fearless defenders of American skies firing off missiles into the beyond.

But humour may have been overshadowed by events because it seems one of the craft they shot down was just that. It wasn't a troll though; the evidence points to an amateur radio pico balloon — a helium-filled Mylar party balloon with a tiny solar-powered WSPR transmitter as its payload.

Last Know Balloon Tracking Info

The balloon thought to have been shot down was launched by the Northern Illinois Bottlecap Balloon Brigade, a group of radio amateurs who launch small helium-filled Mylar balloons carrying the barest minimum for a solar-powered WSPR beacon. Its callsign was K9YO and having circumnavigated the globe seven times since its launch on the 10th of October it was last seen off Alaska on February 11th. Its projected course and timing tallies with the craft reported shot down by the US Air Force, so it seems the military used hundreds of thousands of dollars worth of high-tech weaponry to shoot down a few tens of dollars worths of hobby electronics they could have readily tracked online. We love the smell of napalm in the morning!

This website has a host of technical information on the balloons and the beacons, providing a fascinating insight into this facet of amateur radio that is well worth a read in itself. The full technical details of the USAF missile system used to shoot them down sadly remains classified. But at least the F-22 has now scored its first kill, and is proven combat ready … at least against a balloon

What is HarmonyOS, and why is it causing disharmony in the tech world?

When the US gov put Huawei on the list of sanctioned firms, many in the tech world were quick to say that this wouldn't kill the Chinese brand but make it stronger. We meant that hard times would make Huawei find ways for faster development. Now, we see that it works hard, and in the near future, it might exceed the top tech firms on the globe. If the development of chips goes slower, everything looks bright for software. HarmonyOS is the world's third-largest mobile ecosystem. And it seems nothing will prevent Huawei from ranking higher.

HARMONYOS IS GROWING SWIFTLY

In the beginning, HarmonyOS was Huawei's operating system. A special team was working on it. But this is not a road to progress. So they decided to make this OS open source. In other words, anyone can work on the code and make it better. This is also true for a manufacturer that designs and produces smart home appliances and products in other categories.

Since 2020, the Open Atom Foundation is responsible for the growth of HarmonyOS (OpenHarmony). Its goal is to build a framework and platform for smart terminal device operating systems based on an open-source approach for the smart era. As the foundation executive said, OpenHarmony is "a digital base for operating systems for thousands of industries."

As of November 4, 2022, the number of Huawei devices running HarmonyOS reached 320 million. It's an increase of 113% over the same period in 2021. Also, smart home products with this OS onboard shipped over 250 million units. It's an increase of 212% over the same period in 2021.

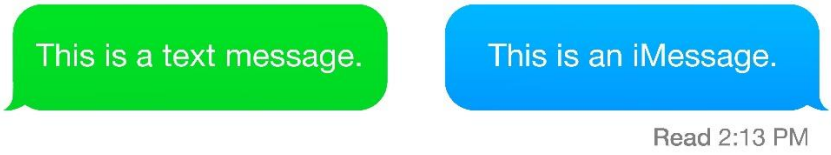
As a reference, Android reached the 300 million mark in 2011. Thus, it took 3 years to reach such results. The first HarmonyOS product – the Honor Vision smart TV – was launched in 2019. So it turns out HarmonyOS is developing much faster. So, it should, logically, rank higher soon

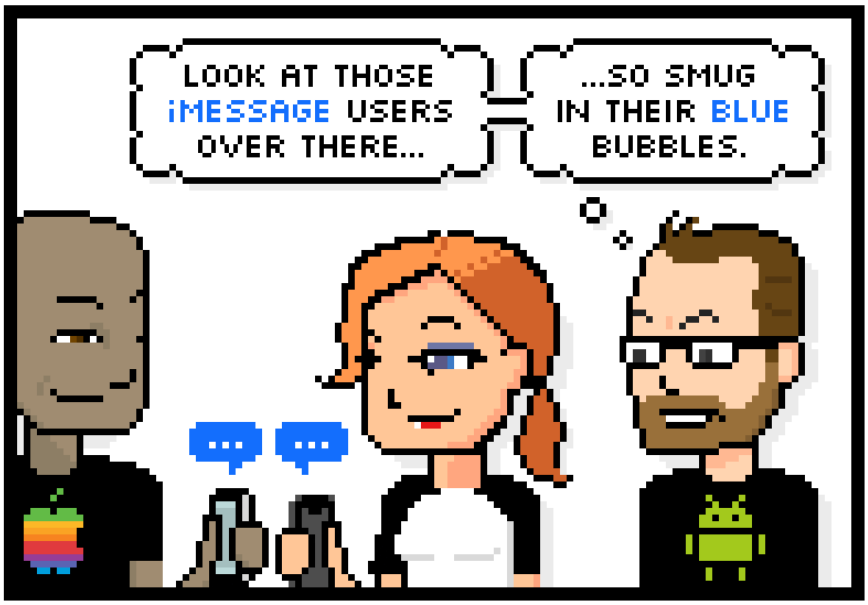
China may be prevented from open competition in the US, but it tapped into a huge worldwide demand for products, and more importantly developers, that the US policy was supposed to prevent, and since the OS is open source, there are millions of eyes looking over the code for security issues, the future politically may not be harmonious, but China is positioned to have no issues in bringing high-end products to the market at low cost.

And when all politics is put to one side, Harmony OS might not always be playing second fiddle to IOS and Android.

But then again, It may all come down to which celebrity endorsement, is used to promote the equipment. Because, after all, what an influencer thinks is how we convince any person to have the right thing in the modern social media-driven world.

After all, You wouldn't want to be caught using Green Bubbles





Heard Around the Scenes

The Internet Archive gets a Ham Radio Section:

IF like me, you are a fan of the internet archive then you are in for a treat, If you don't know about it yet (shame on you) then you are in for a treat.

The Digital Library of Amateur Radio and Communications 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.

The collection includes a huge collection of Ham radio materials, and these can be found here:

Digital Library of Amateur Radio & Communications : Free Texts : Free Download, Borrow and Streaming : Internet Archive

Is your solar system killing your radio pleasure?

Lots of Solar installers, and some other installers too, are finding that EMI/RFI is becoming an all too familiar problem.

IF your interested in reducing interference, the following link may be useful:

How To Reduce Electromagnetic Interference in Solar Systems | NAZ Solar Electric (solar-electric.com)

Note it's aimed at solar installers, but I think it will leave them with more questions than answers.

SOME NETS – FOR WHEN YOU ARE LOOKING FOR SOME COMPANY

Day	Time (Local)	Freq (MHz)	Group
Sunday	08:00	3.750	Southern Net
	09:00	3.700	Bch 10. Franklin.
	09:15	3.755	Bch 65. Papakura.
	19:00	146.625	YL Net
	20:00	3.710	Bch 42. Titahi Bay
	21:30	3.595	Duran WIA Net.
Monday	19:30	3.757	Bch 12. Hamilton
	20.00	3.540	CW Practice Net
	20:00	3.605	Br 80. Hibiscus Coast
	20:00	Nat System	W.A.R.O
	20:30	3.870	O.T.C (Old Timers Club)
Tuesday	09:00	7.096	Ex Post Office Techs
	21:00	1.850	160m Net _ Ron ZL4JMF
	19:30	3.690	QRP ZL2BH
	20:00	3.581	CW improvers Net
Wednesday	11:30	3.850	SPAM Net
	20:00	3.660	Geek Net
	20:00	3.645	Bch 02. Auckland
	20:00	3.745	Bch 84. Bay of Islands
	20:30	146.525	W.R.S.C
Thursday	09:00	7.096	Ex Post Office Techs
	19:30	3.690	QRP ZL2BH
	20:00	3.540	CW Practice Net
	20:00	3.615	Bch 89. REG Net
	20:30	3.696	ZL1OA
	20:30	3.666	LF Net ZL2CA
	20:00	3.690	ZL QRP SSB Net
Friday	20:30	3.850	SPAM (AM Mode)
	20:30	3.650	W.S.R.C.
	20:30	3.560	Digital Modes Net
Saturday	10:30	28.530	10-10 Down Under
	19:30	3.650	Christian Fellowship
	20:00	3.760	???
	20:30	3.600	Ch 62. Reefton/Buller
Daily or Other	07:30	3.696	ZL2OA
	08:30	3.730	ZL3RP
	15:00	14.300	Pacific Seafarers
	17:30	3.760	Home Brew
	05:00 Zulu	14.183	ANZA DX Net
	18:00	7.115	VK7OB
	19:30	3.720	ZL1MO
	18:30	3.766	ZL3LE
	08:30/20:00	3.730	ZL3RP
	20:30	3.725	ZL2HN / ZL4RF
	21:00	3.677	Counties Net ZL2MA
	21.00	3.535	New Zealand Net (CW)

This is designed to be a living list, Please update whenever you are able:

Papakura Radio Club Inc.
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Vice President	ZL1BNQ	Richard Gamble	021 729 270
Secretary	ZL1AOX	Ian Ashley	021 198 1810
Treasurer	ZL1MR	David Wilkins	021 185 7903
Committee	ZL1DK	David Karrasch	021 560 180
	ZL1IRC	Ian Clifford	021 082 48400
	ZL1RJS	Rob Stokes	021 307 005
	ZL1RIC	Ricky Hodge	027 533 8155
	ZL4MDE	Mike Enderby	021 529 895
AREC Section Leader	ZL1BNQ	Richard Gamble	021 729 270
CD Liaison	ZL1AOX	Ian Ashley	021 198 1810
Newsletter Editor	ZL1NUX	Gavin Denby	021 459 192
Hall Custodian	ZL1AOX	Ian Ashley	021 198 1810
Newsletter.	Contact:	zl1nux@outlook.com	

Our newsletter is published monthly and normally distributed just before the club meeting. Please forward articles etc to the editor Wednesday 1 week before the general meeting. Please notify any change of address. Including E-Mail Address to the secretary.

Meetings
General Meetings are held at the Clubrooms on the 1st Wednesday of each month, starting at 7.30 pm. Look at your calendar and mark these nights. The speaker follows the General Meeting.
Project Evenings are on the 4th Wednesday of each month.
Committee Meetings are held on the 3rd Wednesday of each month at 7.30 pm unless advised.
Activity Nights are held on the 2nd Wednesday starting at 7.30 pm.
AREC Meetings are on the 5th Wednesday night, also starting at 7.30 pm
AGM: Held in November

Subscription: Full membership and newsletter $25.00 Family Membership and newsletter $40.00
Bank Account number: 03-0399-0019896-00 Working Bees As required.
Branch 65 21 Award: For contacts with ZL1VK (5 Points) and 8 Papakura Radio Club Members (2 Points each) after January 2011. Total 21 Points. Cost $5-00. Certified list and $5-00 to Secretary, Papakura Radio Club. Address above.

ZL1VK Club Nets
146.625 MHz Sunday at 8.30 am. Controller ZL1NUX, Gavin Denby. If the repeater is not available, listen 146.475MHz simplex.

3.755 MHz Sunday at 9.15 am. Controller ZL1BNQ Richard Gamble. (Linked to 146.675 & 438.775)