The Official Newsletter of the

PAPAKURA RADIO CLUB INC.

January 2020

Portable Activity Day - New Years Day

CONTENTS ...

This Month's Meetings:

There are no formal meeting in January, There will however be some informal meetings on the 8th 15th and 22nd (29th is a AREC meeting) at the clubrooms. Our first General meeting for 2020 will be on February 5th at 7:30pm, Sunday VHF and HF nets will continue over the holiday period and will be our primary method of informing members of any special events. – Details on page 5

There will be a full newsletter for February 2020, so if you have any news send it to the editor as normal.

Club Activity returns to Normal in February 2020.

Some of us, will be operating portable on New Year 's Day, Details on page 5

Papakura Radio Club (Inc.)

Minutes of General Meeting 4th December 2019 at 19.34
Clubrooms, Wellington Park.

President Gavin ZL1NUX welcomed visitors Wally ZL1WE & David Probine ZL1TND and 19 members were present as per the roll book.
Apologies: ZL1RP, ZL1ABR, ZL2SEA, ZL1RIC.

<div align="right">ZL1DK/ZL1AKM</div>

Minutes of the October General meeting as printed in newsletter were reviewed..
Matters arising: Nil

<div align="right">ZL1NUX/ZL1BNQ</div>

Inward Correspondence:

Newsletters from Branches 29, 86	
Mercury Energy	$129.37
Westpac-00	$2,452.34
Westpac Online account -	$7,755.81
Westpac term Deposit confirmation advice	$7,815.43
IRD advising from 1st March 2020 they don't accept cheques.	

Outward Correspondence:
Nil

<div align="right">ZL1AOX/ZL1DK</div>

Finances: Dave ZL1MR reported the following statements

Cheque Account Balance	**$2,452.34**
Accounts to pay: Mercury Energy	129.37
Receipts not on statement	20.00
Sub total less cheques equals account balance	**2,342.00**
Plus Savings Westpac – 025	7,815.43
Plus Savings ASB	36,201.35
Total Funds	**$46,359.75**

Moved by Dave ZL1MR, Seconded by Rolly ZL1ASN that accounts for payment be approved, carried.

General Business:

1. Meetings 2019: December 4th: David Probine on Electric Car battery charging December 6th: Xmas social at Pukekohe Cosmopolitan Club 6pm January 1st : Informal Meeting February 5th : JWFD

2. Bushcomm antenna: East and West end posts installed. Centre pole next? Awaiting SS bolts. Ian to attend to prior to 14th December.

3. Waitakere Sprint: David ZL1DK advised that the Waitakere Sprint had not been run since 2011. This is an NZART sponsored activity and David asked if the Club would be interested in activating the contest next year. Some interest shown and David has a copy of the rules. Contest is usually held in July/August and last 1 hour. He asked for a volunteer to run it.

4. Working Bee: Planned for Saturday 14th December.

5. JWFD: held on last weekend in February. Gavin suggested that a portable station outside should be setup for the JWFD.

6. Zenith Catalogue: Ian ZL1AOX showed an old catalogue from 1938. Suggested that a copy could be kept in the library. He may be able to obtain more similar copies. Graham ZL1AUG advised that the Vintage radio Society would be interested in these books.

7. Graham ZL1AUG Sydney trip: Graham gave a brief rundown on his trip and commented on the high security required on the Sydney Harbour Bridge. He also said the driverless trams were being tested on George Street while he was there.

Meeting closed at 1956 and was followed by an interesting talk by David Probine ZL1TND on how using super capacitors can improve the performance of lithium Ion batteries and control for an electric bike and rubbish trucks. Supper followed.

CLUB ACTIVITY:

The club is in quiet mode over the holiday season, and will return to full activity in February.

Jan
- 08th – Informal
- 15th – Informal/Projects
- 22nd – Informal/Projects
- 29th – AREC Night

Feb
- 05th – General Meeting – Ian Ashley will speak to us on tracking the space teddy
- 12th – Project Night
- 19th – Committee Meeting
- 26th – Project Night

UPCOMING PROJECTS:

The Club has 2 project nights per month. These are on the 2nd and 4th week of each month
Feel free to suggest something if you have a topic you would like to see covered.

We have plans for making a "Flower Pot" antenna there is choice of ½ wave or for the brave, a 5/8th version. And Richard will be showing how to make a "Slim Jim" from TV 300 ohm ribbon cable, Handy for field activations, so a good chance to get your two meter performance optimized. We are also investigating a number of designs for Field HF suitable for SOTA, POTA or beside the car. We will be looking at expressions of interest for these projects, more discussion on this at the meeting Wednesday.

UPCOMING ACTIVITIES:

JOCK WHITE FIELD DAY

The Jock White field day will again be held at the end of February, we are looking for operators to join us to operate voice on 40 and 80 Metres. Once again we will be located at the back of the clubrooms, and will have our tent city in operations. Come for an hour, a day, or the whole event, as, much or as little as you like.

AREC TRAINING OPPORTUNITIES.

AREC has some training available, for interested persons, and this is a great time to put your hand up to be part of AREC if you're at all interested.

Your first contact will be with Richard Gamble AREC Section Leader, Contact details are on the last page of the newsletter. Current offerings of training include:

> * **First Aid**
> * **CIMS 2**
> * **CIMS 4**
> * **Psychosocial First Aid**

NZART PORTABLE ACTIVITY DAY - NEW YEARS DAY

The Christmas/New Year holiday period is a great chance to get on the air. Accordingly, New Zealand's national society **NZART** is promoting New Years Day, 1 January 2019, as a portable activity day.

This is an opportunity to get outdoors and operate knowing there will be others doing the same. As an activity day this is not a contest, so it is up to you where, when and how you operate.

There will be a lot of Summits on the Air ("SOTA") activity on this day (ZL and VK) owing to them being able to claim double activation points by operating either side of 0000z 1 January UTC (1pm NZDST). You could therefore activate a SOTA summit, or if that is a bit much, participate in the NZART awards programme by activating a lake, lighthouse or National Park (make sure you know the rules before you start) [1].

Alternatively, you could just park up at your favourite spot and make a few QSOs. Apart from SOTA which stresses portable activity without your station being connected to a motor vehicle, you are free to use any method of portable operation you like.

This could be a chance to take the family on a picnic, a branch activity, or you could get together with a bunch of mates, head to different places and meet up in the pub afterwards to swap "the DX that got away" stories.
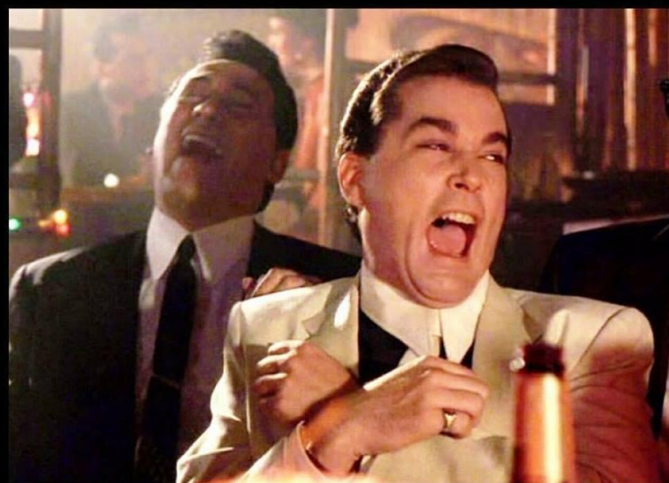It is entirely up to you. It is also a great chance to test your portable emergency capability.

There is no fixed operating period, although as a rule of thumb SOTA activators will generally be operating between 12pm and 2pm NZDST, and you can operate as long as you like.

Based on SOTA activity we suggest the following frequencies.
SSB: 5353 kHz (as long as you have a permit),

3755 kHz   7080-7115 kHz, 14300-14330 kHz (great to VK);
CW: 5362 kHz (with permit), 7030-7040 kHz, 14060-14070 kHz (for VK). FM: 146.500 simplex.
Note: repeater contacts are generally not acceptable for awards but can be used to organise simplex operation. If you are not award chasing, then repeater contacts are fine.

Can't get away? Then just fire up the rig at home and work as many stations as you can. Who knows, by the end of it you may be able to claim an award.

DX CALENDAR JANUARY 2020

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JD1BMH				V4/WB4M																			C6AEI							HU1DL
3D2AG/P					T88AQ																									TI9C
		ZC4UW						VP2MDT																						
			J6/AI6LY																											
										ZF2PG																				
				E44RU																										
C5SP																														
		8Q7BS																												

Click on the link (CTRL + Click for some PDF readers) in the PDF versions for information on the Expeditions

Or check them out at DX News.com

UPCOMING CONTESTS – JANUARY 2020

	Date-Time		Date-Time	Bands	Contest Name	Mode	Exchange	Sponsor's Website
1	0000	1	0100	3.5	AGB New Year Snowball Contest	CW Ph Dig	RST, serial, mbr (if any)	qsl.net/eu1eu/agb_nysb.htm
1	0800	1	1100	3.5, 7	SARTG New Year RTTY Contest	Dig	RST, serial, name, "happy new year" in native language	sartg.com/contest/nyrules.htm
1	0900	1	1200	3.5-14	AGCW Happy New Year Contest	CW	RST, serial, mbr (if any)	www.agcw.org/index.php/en
1	1400	1	1800	144, 432	AGCW VHF/UHF Contest	CW	RST, serial, power class, 6-char grid square	www.agcw.org/index.php/en
1	1500	1	1800	3.5-28	QRP ARCI New Years Sprint	CW	RST, SPC, mbr or power	qrparci.org/contests
1	2000	1	2100	3.5	UKEICC 80-Meter Contest	Ph	4-char grid square	ukeicc.com/80m-rules.php
2	1800	2	2200	28	NRAU 10-Meter Activity Contest	CW Ph Dig	RS(T), 6-char grid square	nrau.net/activity-contests
2	2000	2	2200	1.8-50	SKCC Sprint Europe	CW	RST, SPC, name, mbr or power	www.skccgroup.com
4	0000	4	2359	3.5-28	PODXS 070 Club PSKFest	Dig	RST, SPC	www.podxs070.com
4	1200	5	1200	3.5-28	WW PMC Contest	CW Ph	RS(T), PMC abbreviation or CQ zone	www.s59dcd.si/index.php/sl
4	1300	4	1700	3.5, 7	RSGB AFS Contest, CW	CW	RST, serial	www.rsgbcc.org/hf
4	1800	4	2359	3.5, 7, 14, 18, 21, 24, 28, 144 repeaters	ARRL Kids Day	Ph	Name, age, QTH, favorite color	www.arrl.org/kids-day
4	1800	5	2359	3.5-28	ARRL RTTY Roundup	Dig	W/VE: RST, SP; non-W/VE: RST, serial	www.arrl.org/rtty-roundup
4	2000	5	0700	1.8	EUCW 160-Meter Contest	CW	RST, name, club and mbr or "NM"	eucw.org/eu160.html
6	0800	12	2000	All	IQRP Quarterly Marathon	CW Ph Dig	RS(T)	www.arimontebelluna.it
7	0200	7	0400	3.5-28	ARS Spartan Sprint	CW	RST, SPC, power	arsqrp.blogspot.com
8	2300	12	2300	1.8-7	AWA Linc Cundall Memorial CW Contest	CW	RST, eqpt year, input power	www.antiquewireless.org
11	0000	11	2359	3.5-28	YB DX Contest	Ph	RS, serial	ybdxcontest.com
11	0500	11	0900	3.5-28	Old New Year Contest	CW Ph	RST, sum of operator age and years on the air	radio.ru/cq/contest/rule-results
11	1200	12	1200	3.5-28	UBA PSK63 Prefix Contest	Dig	RSQ, UBA Section or serial	uba.be/en/hf/contest-rules
11	1200	12	2359	1.8-50	SKCC Weekend Sprintathon	CW	RST, SPC, name, mbr or "none"	www.skccgroup.com
11	1800	12	0559	1.8-28	North American QSO Party, CW	CW	Name, state/DC/province/country	www.ncjweb.com
12	0530	12	0730	3.5, 7	NRAU-Baltic Contest, SSB	Ph	RST, serial, Fylke/Lan/Province/Region	nrau.net/nrau-baltic-contest
12	0800	12	1000	3.5, 7	NRAU-Baltic Contest, CW	CW	RST, serial, Fylke/Lan/Province/Region	nrau.net/nrau-baltic-contest
12	0900	12	1059	28	DARC 10-Meter Contest	CW Ph	RS(T), serial, DOK (if DL)	darc.de/der-club/referate/con-teste/darc-10m-contest
12	1300	12	1700	3.5, 7	RSGB AFS Contest, Data	Dig	RST, serial	www.rsgbcc.org/hf
12	1400	15	0800	1.8-144	Classic Exchange, CW	CW	Name, RST, SPC, rcvr/xmtr info	www.classicexchange.org
13	0100	13	0300	1.8-28	4 States QRP Group Second Sunday Sprint	CW Ph	RS(T), SPC, mbr or power	www.4sqrp.com
16	0130	16	0330	3.5-14	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
17	1800	17	2200	3.5, 7	LZ Open Contest	CW	Serial, serial received from previous QSO	www.lzopen.com
18	1200	19	1159	1.8-28	Hungarian DX Contest	CW Ph	RS(T), HA county or serial	www.ha-dx.com/en
18	1300	18	1700	3.5, 7	RSGB AFS Contest, SSB	Ph	RS, serial	www.rsgbcc.org/hf
18	1800	19	0559	1.8-28	North American QSO Party, SSB	Ph	Name, state/DC/province/country	www.ncjweb.com
18	1800	19	0559	1.8-28	NA Collegiate Championship, SSB	Ph	Name, state/DC/province/country	www.w9smc.com/nacc
18	1900	18	2300	1.8	WAB 1.8 MHz Phone/CW	CW Ph	RS(T), serial, WAB square or country	wab.intermip.net
18	1900	20	0359	50 and up	ARRL January VHF Contest	CW Ph Dig	4-char grid square	www.arrl.org/january-vhf
18	2000	19	0559	1.8-7	Feld Hell Sprint	Dig	RST, mbr, SPC, grid	sites.google.com/site/feldhellclub
20	0200	20	0400	1.8-28	Run for the Bacon QRP Contest	CW	RST, SPC, mbr or power	qrpcontest.com/pigrun
22	0000	22	0200	1.8-28	SKCC Sprint	CW	RST, SPC, name, mbr or power	www.skccgroup.com
23	0130	23	0330	1.8	NAQCC CW Sprint	CW	RST, SPC, mbr or power	naqcc.info
24	2200	26	2200	1.8	CQ 160-Meter Contest, CW	CW	RST, SP or CQ zone	www.cq160.com
25	0600	26	1800	3.5-28	REF Contest, CW	CW	RST, French Dept or serial	concours.r-e-f.org
25	1200	26	1200	3.5-28	BARTG RTTY Sprint	Dig	Serial	bartg.org.uk
25	1300	26	1300	3.5-28	UBA DX Contest, SSB	Ph	RST, serial, Province (if ON)	uba.be/en/hf/contest-rules
25	1900	26	1900	All (no WARC)	Winter Field Day	CW Ph Dig	Category, ARRL Section or "DX"	www.winterfieldday.com
27	1300	28	0400	1.8-28	QCX Challenge	CW	RST, name, SPC, rig	qrp-labs.com/party.html
29	2000	29	2100	3.5	UKEICC 80-Meter Contest	CW	4-char grid square	www.ukeicc.com

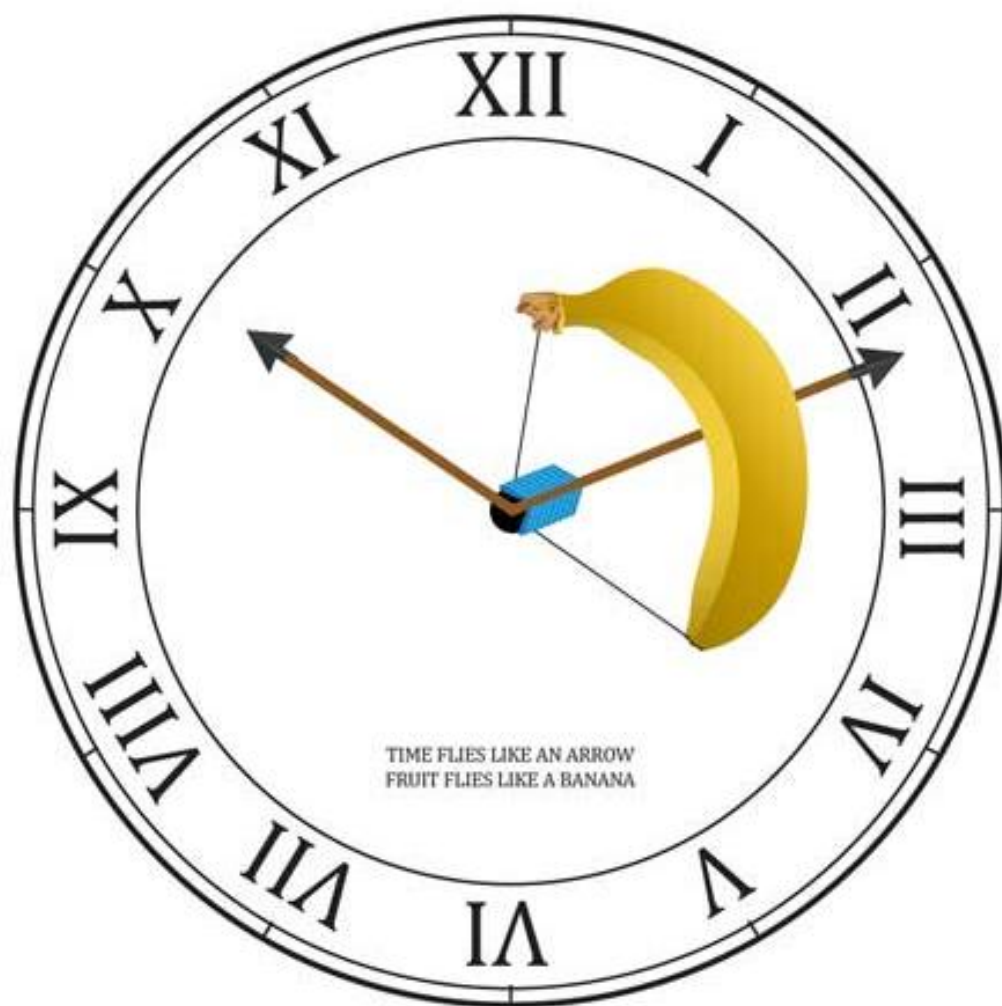All dates and Times are in UTC and are not adjusted for local time

Mbr = Membership number. Serial = Sequential number of the contact. SPC = State, Province, DXCC Entity. XE = Mexican state.

Listings in blue indicate contests sponsored by ARRL or *NCJ*. The latest time to make a valid contest QSO is the minute listed in the "Finish Time" column. Data for Contest Corral is maintained on the WA7BNM Contest Calendar at **www.contestcalendar.com**

Check for updates and a downloadable PDF version online at www.arrl.org/contests.

RAMBLINGS FROM THE EDITORS DESK

In a few days we will enter the Third decade of the 21st century, so if like me you wonder where the year went, I'm wondering where the decade went.

TIME FLIES LIKE AN ARROW
FRUIT FLIES LIKE A BANANA

My 2007 desktops are losing update support, and I have to choose whether to move them over to Windows 10, or change them to Linux (Most have already migrated to Linux), or just run them off-line only. After all I still have DOS and Windows 95 and 98 PC's so that I can run old software for radio programming. But since 2007 is now turning into a rebellious teenager, is it any wonder it's time to make some changes, But it seems so recent that windows 10 came out, and we were wondering how long it would take to become stable and reliable.

Likewise Microsoft office versions are becoming incompatible with updates, and the only options from MS seem to be on-line. While I am a fan of other office suites, Like Libre Office and Open Office, there are just enough incompatibilities to make it hard to change from one to another. One option I have been enjoying, has been Softmaker FreeOffice 2018 its free, runs on Mac, Windows and Linux, and maintains compatibility with MS office (perhaps even better than MS office versions do) and they also offer a free PDF editor too. It's amazing to think that a "Free" product is now a commercial business; somehow they make money by giving away the product. And it's a part of a world where the traditional models of economics no longer apply. e.g. https://www.loadandhelp.com/en/ free software, and do good at the same time ... How does this work?

The age of Bitcoin and the DotCom boom has been replaced by a new economy where information is more valuable than commodities, and products are altered by software updates where new features are downloaded, and installed, not soldered into hardware. Many of our radios are now software based, and need to be updated with the latest software to run, so does this mean the old ones are now obsolete?   In a world of Digital Voice and FT8 are we loosing the ability to hack our hardware?

Thank goodness for open source projects, while chatting with a fellow JS8 user last week, I was pointed to the https://freedv.org website, and was shown the SM1000 FreeDV adapter.
But let's start with Free DV, It's hard to realise, But SSB is a 1950's technology, and while its good, it's also dated, and like some of us, showing its age. Digital Voice (DV) modes, like DMR or D-Star are either good or no-go, but they maintain a quality of voice well below noise levels we could normally make out. Just like AM is a great mode, but when the noise gets too high, we have to move to SSB to hold the contact. But when that fades then only digital works, and that's why so many have moved to FT8. DV is another mode that may let us work weaker signal just that bit longer. And this may be the answer for high local noise environments

Why? Basically it's companding the 8 KHz audio into a narrow band 1.6 KHz of RF bandwidth. Then turning off all filtering, and running about 20% pep (like we did on FT8) we can chat like a normal radio. Just using a digital narrow band mode of modulation wrapped inside a narrow SSB transmission.
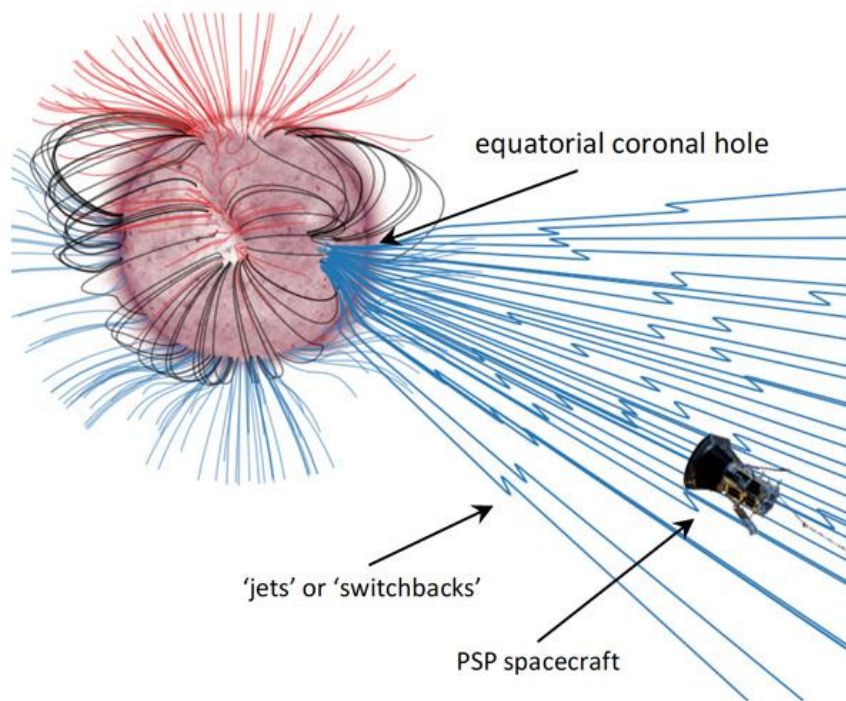
So what about the adaptor? While this can connect to new radios, it can also be used on older rigs by connection to the Microphone and Headset jacks, and can be used just like a microphone itself (yes it's that small) or as a desktop/headset adapter, or you can use a laptop as the converter, and put out your audio that way. Certainly with the adapter costing about $300 made up, I'm going to be trying a PC option first, and then we can look at the hardware and decide if I buy one made, or make one, as the plans are freely available. *And it doesn't need the internet like AllStar-Link its good for field ops, like SOTA, POTA or even AREC operations*

So are the days of good old fashion hardware hacking over, I hope not, but like the hurdles of the past in making a leap from AM 2 metres to FM 2 metres to Digital 2 metres (or 70cm) The HF option of DV has some too, and with the bands showing small, but steady signs of improvement, It could be a good time to dust off the HF rig, and fire up a new challenge. It may beat waiting a couple of years for the solar cycle to improve

Another cool discovery has to be the data from the Parker Solar Probe (PSP). With two solar orbits under its belt, First solar "touch" and a Venus flyby (gravity boost, but hey, while we are there ....) anyway. What a fascinating lot of data (gigabytes of data) , NASA have released, and a lot of our understanding of the sun has been thrown on its head.

One of the most interesting finds has been the magnetic fields in the corona are not as stable as was thought, and these "switchbacks" look to be a possible reason as to why the suns corona is so much hotter than the suns surface. Naturally we, as hams, are interested in these too, as they are the cause of sunspots (dark regions, where the fields cause a hole in the surface revealing the cooler surface below) or bright regions (flares) where solar matter is lifted into the corona. And both cause the solar flux to lift, which ionises the atmosphere and gives us HF propagation

equatorial coronal hole

'jets' or 'switchbacks'

PSP spacecraft

A switchback is a fold in the magnetic lines of force leaving the surface of the sun, and since the sun draws plasma into these lines, and the plasma is conductive, these become electrical filaments in the solar orbit, and electrical currents flow in these, generating more heat, But since they also fold back on themselves, they are like a wire coil of a heater element, generating much more heat that we thought, and another way to generate X-ray and solar flux too. This may be why we sometimes see increases in the solar flux on a spotless sun, as in fact we are seeing right now.

We now also know the solar winds are not radial, but rotating, and neatly organised into pockets, these disperse by the time they reach earth to appear to be linear, but the solar corona is much more active that anyone thought.

So get ready for a lot of space weather news over the next few years, With SOHO still reporting Stereo A still in business, albeit more a side than a rear view nowadays, and now the PSP looping into the corona, and sending us up close data, Picard looking at Solar Cycles and earth temperatures, and SDO doing a lot of space weather, It's a great time to be looking to the sky.

I hope we get to look at some of this data in the New Year, along with some cool, and cheap toys, and what we can do with them, and some ideas for field ops.

Remember too, that we have the NZART portable day, POTA and SOTA all active on January 1 (POTA runs all week) so listen out, and if you hear us, Call out and say Hi.

73 for now catch you on air.

If you have an interesting story to tell, or enjoy an unusual part of the hobby, maybe you would be willing to share it with others. We always have room for your story, and if you don't feel you can write the story yourself; then get in touch, and we can do it together.

This hobby is too big for me to cover it all alone. Your input may help another ham!

Email me: zl1nux@outlook.com and share your story, not matter how big or small.

SEEN OR HEARD AROUND THE SCENES

JS8 CALL GOES V2.1

Jordan shearer has updated JS8 call (think a RTTY QSO based on FT8) so talking well down into the noise floor, with new turbo modes, and simultaneous decodes (even on older hardware) this is a big leap for the JS8call software, with the relay messages and message store, it's even more about communication, than contesting.

The latest update as well as some bug fixes, offers a very slow mode allowing communications in absolute fringe conditions. (-28dB) is the claim. Of course Turbo modes and multi-mode decode still exist allowing you to receive any of the JS8 modes, and let the software auto decode them for you

Jordans release email is below

Hi Folks,

Lucky you! I just released JS8Call 2.1 as an early holiday present to y'all. Go grab it here: http://files.js8call.com/latest.html

What's new? A bunch of bug fixes, of course. But also:

- *A new slow speed with a 30 second transmission for decoding down to -28dB. Fire up those milliwatts!*
- *A software filter to limit the frequencies that the decoder will try to decode. Useful in crowded bands or for slow CPUs.*
- *Some tweaks to the decoder to allow it to be slightly more sensitive.*

Hope to QSO with you over the holidays. Cheers!

Best,
Jordan / KN4CRD

JAYCAR'S MAKER HUB

Jaycar have a new source of interesting factoids and information that may be worthy of a look. Thanks graham for this interesting link: https://www.jaycar.com.au/makerhub plenty of articles and guides to keep you busy when it's too hot to be outside

NZART PORTABLE ACTIVITY DAY
NEW YEAR'S DAY - 1 JANUARY 2020

After the success of the first NZART Portable Activity day last New Years Day, which generated an amazing amount of activity, a second event is being promoted for 1 January 2020.This is an opportunity to get outdoors and operate knowing there will be others doing the same. As an activity day this is not a contest, so it is up to you where, when and how you operate.

SOME NETS – FOR WHEN YOU ARE LOOKING FOR COMPANY

Day	Time (Local)	Freq (MHz)	Group
Sunday	08:00	3.750	Southern Net
	09:00	3.700	Bch 10. Franklin.
	09:00	3.755	Bch 65. Papakura.
	16:00	7.125	SPAM Net (AM Mode)
	19:00	146.900	YL Net
	20:00	3.710	Bch 42. Titahi Bay
	21:30	3.595	Duran WIA Net.
	21:30	3.595	VK2WI
Monday	19:30	3.757	Bch 12. Hamilton
	20.00	3.540	CW Practice Net
	20:00	3.687	Br 80. Hibiscus Coast
	20:00	3.695	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	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
	20:30	3.696	ZL1OA
	20:30	3.666	LF Net ZL2CA
	20:00	3.690	ZL QRP SSB Net
Friday	20:00	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
	17:30	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

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

Also: Calling Frequencies: Daily   Sunset-Sunrise   3580 USB   NZ FSQCall
Courtesy of Murray ZL1BPU   Daily   Sunrise-Sunset   7105 USB   NZ FSQCall
                                              Daily   24/7   7104 USB   International FSQCall
 I'm told the last of these sees some amazing DX, especially around sunset.

Papakura Radio Club Inc.
Branch 65 NZART Club Directory 2017
Wellington Park, 1 Great South Road.
PO BOX 72-397 Papakura 2244
PHONE 09 296 5244
Westpac 03-0399-0019896-00
Club website: http://www.qsl.net/zl1vk
Club email: zl1vk.club@gmail.com

Elected Officers

President	ZL1NUX	Gavin Denby	Ph 09 299 3415	021 1046946
Vice President	ZL1BNQ	Richard Gamble	Ph 09 5371238	021 729270
Secretary	ZL1AOX	Ian Ashley	Ph 09 2981810	021 1981810
Treasurer	ZL1MR	David Wilkins	Ph 09 2999346	021 1857903
Committee	ZL1RJS	Rob Stokes	Ph 09 2961152	021 307005
	ZL1IRC	Ian Clifford	Ph	021 8248400
	ZL1ASN	Rolly Adams	Ph 09 2966107	021 0427760
	ZL1DK	David Karrasch	Ph 09 296 8264	021 560180
	ZL1RIC	Ricky Hodge		021 666421
AREC Section Leader	ZL1BNQ	Richard Gamble	Ph 09 5371238	021 729270
CD Liaison	ZL1AOX	Ian Ashley	Ph 09 2981810	021 1981810
Newsletter Editor	ZL1NUX	Gavin Denby	Ph 09 299 3415	021 459 192
Hall Custodian	ZL1AOX	Ian Ashley	Ph 09 2981810	021 1981810
Newsletter.	Contact: zl1nux@outlook.com			

Our newsletter is published monthly and normally distributed just prior to the club meeting. Please forward articles etc to editor Wednesday 1 week prior to the general meeting. Do notify any change of address.

Meetings
General Meetings are held at the Club rooms on the 1st Wednesday of each month, starting at 7.30pm. 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 3rd Wednesday of each month at 7.30pm, unless advised.
Activity Nights are held on the 2nd Wednesday starting at 7.30pm.
AREC Meetings are on the 5th Wednesday night, also starting at 7.30pm
AGM: Held in November

Subscription: Full membership and newsletter $20.00
                Family Membership and newsletter $30.00
        Student or Country DX membership $10.00
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
146.900 MHz Sunday at 8.30am. Controller ZL1NUX, Gavin Denby. If the repeater is not available, listen 146.475 simplex.
3.755 MHz Sunday at 9.00am. Controller ZL1BNQ Richard Gamble. (Linked to 146.675 & 438.775)