

PELICAN DROPPINGS



Volume 2020 Issue 9

IS IT TIME FOR A NAME CHANGE?

With Pelican Droppings changing format and publication dates, once again the question has been asked, is it still a good name for the club's newsletter? And if not, what alternatives could be considered?

The SCARC Telegraph

Amateur Ramblings

Got an idea, why not bring it up at the next general meeting?

A NOTE FROM THE EDITOR

Welcome to the first edition of the new Pelican Droppings monthly newsletter of the Sunshine Coast Amateur Radio Club.

As you may be aware, the management committee are keen to improve the communications with members on what is happening at the club. Hence, we have changed this newsletter to be a monthly publication featuring the club meeting minutes, articles of interest and even member classifieds. We hope you find the change a beneficial one.

I would also like to take this opportunity to thank our past editor, Geoff, VK4GWC for his efforts over the years putting the newsletter together, coming up interesting content on a regular basis is a hard task let alone putting it into a newsletter etc. Thanks Geoff.

The new timeline for the newsletter is as follows:

Content submission – 1 week after the monthly meeting

Publication – Just after the monthly executive meeting.

In terms of what content is welcome, basically anything to do with Amateur Radio be it a social memory, technical articles or even news that you feel might be of interest to fellow members.

We also welcome classifieds from members for items they wish to buy/swap or sell. The only condition is the adds must relate to a hobby in some way, not just amateur radio.

As this is the only publication method that is exclusive to club members, over time I hope you will see increased value in its publication and content. Enjoy.

Regards

Mark Roberts, VK4AN, Editor, Club Publicity officer and cooker of Ribs.



Sometimes Pelican Droppings does not mean good news, as this NSW car owner discovered!

CLUB MEETING MINUTES 1ST SEPT 2020

Opening Meeting opened at 19:30

Welcome The President Robert VK4LHD welcomed members.

Attendance 7 Members in person and 7 on zoom, 0 visitors

Apologies VK4FETC, VK4JK, VK4FLJT

Sick List: Nil

Announcements: Nil

Minutes the Secretary Gordon VK4VP reviewed the minutes of the previous General Meeting.

Moved Gordon VK4VP, seconded Leicester VK4ALH, carried

Business Arising: Nil

Committee Report Gordon VK4VP gave a brief synopsis of the previous committee meeting.

Correspondence In: Forms to complete for the use of USC Carpark for Sunfest , SCRC lease – request to get flood cover for the building, -Membership application from VK4FABR, Queries from USC regarding use of carpark, ACMA confirmation of license renewals

Correspondence Out : Email to USC querying some details of the carpark usage, Email to SCRC advising we most likely will not be able to get flood cover, Email to TMR querying the ownership of the clubrooms and whether TMR have them insured.

Correspondence moved by Gordon VK4VP, seconded Mark VK4AN, carried

Treasurers Report

Opening Balance	\$ 6,405.44	Receipts	\$ 455.00	Payments	\$ 750.13
Closing Balance	\$ 6,110.31				

Term Deposit balance \$14,356.76 has been re-invested for 4 months at 1.3% due for maturity on 07/09/2020.

Treasurers report moved by Keith VK4AKA, seconded by Ches VK4WT, carried.

Ex Officio Officers Reports

Repeaters Testing for interference on Black Mtn repeater.

Publicity & Newsletter Facebook all good.

Advise that Geoff VK4GWC does not want to continue as editor, Mark VK4AN will take over this role. Publication to be monthly the day after committee meeting.

The aim is to get more info out to members, and thanks to the current editor for all of his efforts over the last few years.

Its also an opportunity for buy and sell things and to update the advertisements, eg QSLcomms and Claytons

Property Nil to report

Nets and Awards Nil to report

QSL Nil to report

WICEN Nil to report – no ex officio

FoxHunts Fox was set up last Saturday, but it was not working due to a poor battery. Harvey VK4AHW to make a new battery pack.

Contests RD contest has been and gone, Wayne VK4WS did the whole 24hrs himself, provisional score of 606 points.

Next contest is the spring VHF/UHF Field Day on 21/22 November.

Library Nil to report

Communications Room QSLcomms to donate a mini DMR radio for the comms room

Workshop Requires a clean up, Ches VK4WT to have a look at doing this tomorrow. Robert VK4LHD has some ideas to get the trailer further back into the corner.

Circulation Circulated

Social Activities Discussion about where to have the Christmas party. It was decided to investigate a pig on a spit BBQ at the clubrooms.

General Business

1. Leicester VK4ALH advised we need to buy more Foundation Manuals; this is in progress. Also, it seems there will be no callbooks at present.
2. Gordon VK4VP gave an update on the insurance situation and Sunfest.
3. Mark VK4AN advised that due to COVID we may need to have a ticketed system for entry to Sunfest.

SCARC Inc. Office Bearers

President: Robert Garland VK4LHD

Vice-President: Mark Roberts VK4AN

Secretary: Gordon Taylor VK4VP

Treasurer: Keith Noll VK4AKA

Committee: Wayne Shaw VK4WS

A word from the President's Desk.



Hello all and welcome to our new look monthly pelican Droppings newsletter.

The club's management committee have been looking at different ways of getting club news and events out to our members and making the Pelican Droppings into a monthly newsletter is just one of those things we looked at.

I would like to take this opportunity to thank our past editor and newsletter manager Geoff VK4GWC for all his outstanding work over the past few year putting the pelican Droppings newsletter together.

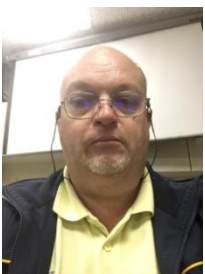
Geoff has decided to stand down as editor of Pelican droppings. Thank you Geoff.

At the time of writing this the SCARC committee have been working overtime trying to bring you this year's Sunfest. It has been a bit of an uphill battle finding a suitable COVID compliant venue that can handle 100 plus people. We seem to take one step forward and 3 steps back, but we are working very hard to bring you Sunfest so let's just hope by the next newsletter we can write something about our successful Sunfest.

Since our last newsletter the COVID restriction have eased enough for us to return to normal every Wednesday opening with some restrictions still in place and it has been welcomed with open arms with our members returning to the club for our usual social get together. The Wed BBQ has also returned to its original format of every 1st and 3rd Wed of the month. As for our 5th Wed of the month special, well we might have to talk to our Vice President and BBQ Spareribs cooker about that one. Our Thursday night construction group has also returned and is as popular as ever. See a report elsewhere in the newsletter on some of the projects the members have been making.

Trent VK4TS has also been busy as our club's exam assessor. Several candidates including yours truly have sat exams in the past few weeks with more candidates lined up for the months ahead. It is hoped that in the coming weeks that Trent will also do exam study session and with the hockey season ending this will give Trent more flexibility to do these study sessions. The idea is for those sitting F calls can come to the club on a Saturday and do a study session in the morning. Have a quick break for lunch and then do the exams in the afternoon. If you would like to sit any of the VK license exams, Foundation, Standard, Advanced or even just the Regulations exams then please contact either Trent or myself and we can arrange for you to sit your exams.

Ok, well that is about it from me for this edition. Please enjoy your new look Pelican Droppings and we will have more news for you in the next edition



Robert VK4LHD
President SCARC.

The Phonetic Alphabet – Old & New in Aviation

The phonetic alphabet is one of the first things in aviation that a pilot or air traffic controller learns because it forms the foundation of all spoken air/ground communication and of course is used in Amateur Radio as well.

Up until 1 March 1956 civil aviation in Australia used the British phonetic alphabet which had been extensively used during the war years. However, one of the early tasks of the new ICAO was to develop a more 'international' version of the phonetic alphabet, following complaints from some South American countries that some elements of the existing phonetic alphabet were difficult to pronounce for people of non-English speaking background.

In November 1951 [ICAO](#) proposed a new phonetic alphabet, but this also received criticism and further work was carried out to reduce the number of times 'ah' and 'o' were used.

From 1 March 1956 a new internationally-agreed phonetic alphabet was adopted. This new phonetic alphabet is used unchanged throughout the aviation world today.

The table below gives both pre- and post-1956 phonetic alphabets, plus the 1951 proposal:

Letter	till 1 March 1956	ICAO November 1951 proposal	post 1 March 1956
A	Able	Alpha	Alpha
B	Baker	Bravo	Bravo
C	Charlie	Coca	Charlie
D	Dog	Delta	Delta
E	Easy	Echo	Echo
F	Fox	Foxtrot	Foxtrot
G	George	Golf	Golf
H	How	Hotel	Hotel
I	Item	India	India
J	Jig	Juliett	Juliett
K	King	Kilo	Kilo ('keelo')
L	Love	Limo	Lima ('leema')

M	Mike	Metro	Mike
N	Nan	Nectar	November
O	Oboe	Oscar	Oscar
P	Peter	Papa	Papa
Q	Queen	Quebec	Quebec ('kweebeck')
R	Roger	Romeo	Romeo
S	Sugar	Sierra	Sierra
T	Tare	Tango	Tango
U	Uncle	Union	Uniform
V	Victor	Victor	Victor
W	William	Whiskey	Whiskey
X	X-ray	Extra	X-ray
Y	Yoke	Yankee	Yankee
Z	Zebra	Zulu	Zulu

This information was sourced from the [DCA Flight Radio Operator's Manual](#), Fourth Edition, September 1955 and amendments and *Flypast* (Parnell & Boughton (AGPS) 1988).

The above article appears online at the Airways Museum website: <http://airwaysmuseum.com/>

The museum is very much worth a visit as it is a mix of aviation and communication items, although its at Essendon Airport which is a bit difficult to get to at the moment. When it is open, you can visit on a Tuesday, with admission by donation. The last time the editor was there he even saw an old desk he used to work at when in ATC at Tullamarine, you know you are getting old when your former work is in a Museum!



On the Net – Ham Radio sites to note.

While there is a lot to learn in our hobby, there is also plenty of resources on offer to help with that knowledge gap. Here are a few handy sites you may not be aware of, covering some popular issues or tips!

<http://members.optuszoo.com.au/jason.reilly1/868mods.htm>

Jason has put together a good resource for those with Anyone hand holds!

<http://nogsg.com/contact-manager>

An essential tool for those with DMR radios!

Found a site that you think others might find handy, let us know.

Club Activities/Nets

CLUB STATION: VK4WIS

Club Repeaters: VK4RSC at Wilkes Knob, Maleny on 146.850 MHz, linked with VK4RSL at Laguna Lookout, Noosa on 146.825 MHz and VK4RSN at Black Mountain, all with 91.5 Hz tone. VK4RSC at Wilkes Knob, Maleny on 438.075 MHz (91.5 Hz tone), VK4RSL at Laguna Lookout, Noosa on 438.175 MHz Digital (DMR), VK4RSN on 53.700 MHz. TX at Wilkes Knob, RX at Gerrards Lookout

General Meeting: Monthly on the first Tuesday at 7:30 pm in the club house, old Toll Plaza building, 85 Godfreys Road, Bli Bli

Weekday Meeting: Weekly at 10:00 am-2:00pm on Wednesday, BBQ 30th Sept, 14/28th October.

Good Morning Net: Daily at 8:15 am on the 2 metre FM linked repeaters, Cabin Fever net @ 11AM

80 m Net: Weekly at 7:30 pm Wednesday on 3660 kHz LSB.

6 m Net: Weekly at 7:30 pm Friday at VK4RSN on 53.700 MHz FM.

2 m Net: Weekly at 7:30 pm Sunday on 144.300 MHz USB

70 cm Net: Weekly at 7:30 pm Monday on 438.075 MHz FM.

23 cm Net: Weekly at 7:30 pm Wednesday on 1273.300 MHz FM.

Constructor's Meeting: Weekly, 7 to 10 pm Thursday

WIA News: Relayed every Sunday at 9:00 am on 2 m linked repeaters.

After the broadcast a call-back is conducted by VK4WIS.

Internet: www.vk4wis.org

Member Classifieds

Dennis has a couple of items! Contact: Dennis Stockwell (VK4ZDS) email dennis@11011.net mobile 0427 636 679

Antennas

5.8GHz

1	RFI	COL5810	10dBi Fixed Omni	New	\$10	(in bag)
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2.4GHz

1	Hwa Yao	GA-2450-24	24dBi Grid	Used	\$25	
1	Hwa Yao	GA-2450-24	24dBi Grid	New	\$50	(in box/bag)
1	KBT	TDJ2400J16	16dBi 120deg Sector	New	\$40	(in box)
2	KBT	TDJ2400IA	15dBi 90deg Sector	New	\$25	(ea, in box)
1	Netgear	ANT24D18	18dBi Panel	New	\$20	(in box)
2	RFI	CDM2402	2dBi Mobile Omni	New	\$ 5	(ea, in bag)
2	?	?	~12dBi Panel	Used	\$ 5	(each)

Mobile Phone (3G/4G)

1	RFI	CD2199	8.5dBi Mobile Omni	New	\$90	(in tube)
1	RFI	CD2197	7.5dBi Mobile Omni	New	\$30	(in tube)
1	RFI	CD2197	7.5dBi Mobile Omni	Used	\$20	(in tube)
2	RFI	CD2197	7.5dBi Mobile Omni	Used	\$15	(each)
4	RFI	CD2196	6.5dBi Mobile Omni	Used	\$10	(each)
1	Laser	528	7.0dBi Mobile Omni	New	\$20	(in bag)(850MHz)

UHF (CB/Commercial)

2	Kyle Comms 17e		Yagi (477MHz)	Used	\$90	(+combiner)
1	RFI	YB9-65	Yagi (400-420MHz)	Used	\$40	
2	RFI	YB16-71	Yagi (470-490MHz)	Used	\$40	(each)
1	RFI	YB820-82	Yagi (850-930MHz)	Used	\$50	
2	RFI	COL8000N	8dBi (477MHz) Omni	New	\$80	(ea, in tube)
2	RFI	SMD4	Dipole (400-520MHz)	New	\$50	(ea, in bag)
2	RFI	SMD4	Dipoles & Harness (470-490MHz)	Used	\$75	

VHF (Commercial)

1	RFI	SMD1	Dipole (70-85MHz)	Used	\$20	
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OTHER

1	SkyKing	303	Light Duty Rotator	New	\$130	(in box)
1	Hills/FBros		Work Platform for Winch-Up masts	Used	\$10	
?	Assorted		Magnetic Antenna Bases	Used	\$10	(some new)
			with Cable	Used	\$20	
			with Antenna & Cable	Used	\$40	

Coax & Connectors

LDF4-50A (Helix)

21.0m Andrews	N to N connectors	New	\$70
14.5m Andrews	N to N connectors	New	\$50
4x ~30m Andrews	N to N connectors	Used	\$50 (each)
? Andrews	N-Type (M&F)	New?	\$5 (solder)
2 Andrews	N-Type (M) right angle	New	\$10 (solder)
2 RFS	N-Type (M)	New	\$10
1 RFS	N-Type (M)	New	\$10
2 H&S	N-Type (M)	New	\$ 5

LMR600

15.0m Times Microwave	N to N connectors	Used	\$30
16.0m Times Microwave	N to N connectors	Used	\$30

RAD600 (Leaky Feeder)

60+m Times Microwave	no connectors	New	\$60
4.0m Times Microwave	no connectors	New	\$2

10D-FB

4 PLT APEX	N-Type (M) connectors	New	\$10
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RG-214

7.5m Crown Electronics	N to N connectors	Used	\$15
Jumper cables	with connectors	Used	\$ 5

RG-213

3.5m Belden	N to no connector	Used	\$ 3
5.0m Belden	N to N(F) connectors	Used	\$ 4
13.5m Rojone	N to UHF connectors	Used	\$10
13.5m RFI	N to N connectors	Used	\$10
15.0m RFI	N to N connectors	Used	\$10
15.5m RFI	N to N connectors	Used	\$12
Jumper cables	with connectors	Used	\$ 2

RG-58

9.0m Arista	no connectors	New	\$ 2
18.0m Oritron	BNC to BNC connectors	New	\$ 4
Jumper cables	with connectors	Used	\$ 1

Equipment

UHF Transcievers

1	Tait TP8120(IS), Speaker/Mic, charger, 2 batteries	New	\$300
2	Motorola DP3600 (430-512MHz) mics & 1 charger	Used	\$200 (lot)
1	GME TX3800 80 Channel UHF CB	Used	\$120
3	GME TX3600 80 Channel UHF CB	Used	\$100 (each)
2	GME TX3600 80 Channel UHF CB & 70cm	Used	\$150 (each)
1	GME TX7200 40 Channel UHF CB, (NO CHARGER)	Used	\$ 50
1	GME TX650 40 Channel UHF CB, (NO CHARGER)	Used	\$10
1	Digitech 40 Channel UHF CB, batteries, chargers	Used	\$10

Radio Gear

1	GME RX1300 Scanner, charger	Used	\$120
1	Tait A800V SINAD Voter	Used	\$200
1	ICOM BP-240 Battery Case (6AAA)(suit IC-41)	New	\$20
2	ICOM BC-121N 6 slot Bank Charger with AD-106 (IC-41)	New	\$100 (each)
1	ICOM BC-119N Charger with AD-81A & AD-81D	Used	\$25
1	ICOM BC-119N Charger with AD-81A & AD-66	Used	\$25

Computer Gear

1	Dell Inspiron 6400, WinXP SP3, 15.6", 4GB, 250G, PSU	Used	\$140
1	4G RouterBOARD 411U Sierra 1800MHz modem	Used	\$50
1	Billion 7800N ADSL2 Modem/Router	Used	\$25
1	US Robotics 56k Modem	Used	\$20
1	Linksys PAP2T-AU Internet Phone Adaptor	New	\$25
1	5m VGA Extension Cable	Used	\$5

TV Gear

1	10m Hi-Performance video/audio cable RCA	New	\$20
1	10m HDMI Hi-Performance cable Concord WQ-7405	New	\$25
1	Digitech HDMI 5GHz Sender/Receiver AR-1912	New	\$100
1	Strong SRT5412 Set Top Box	Used	\$20
1	Strong SRT5428 Set Top Box	Used	\$20
5	Kingray Analogue TV Modulator with plug pack	Used	\$5 (each)

Miscellaneous

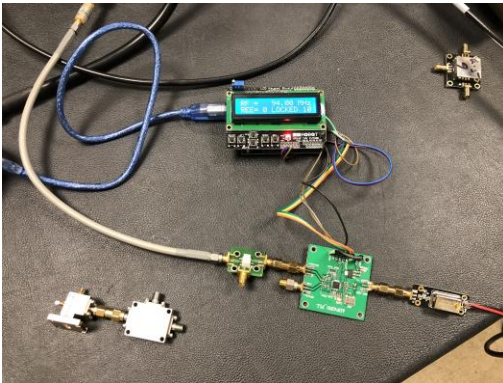
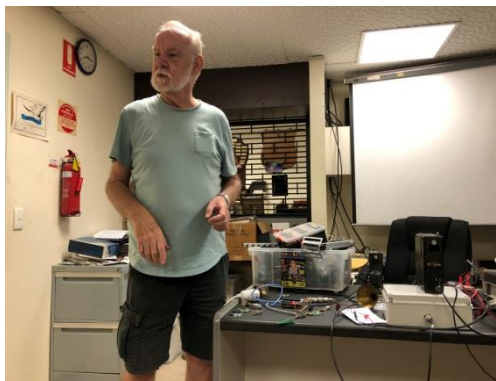
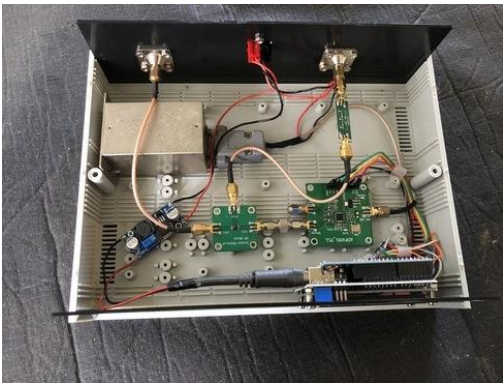
1	McVan/Observator Instruments Weather Station	New	\$250
1	AMTEX 12/24V (10A 240W) DC/DC Converter	Used	\$50
1	Powertech 800W Inverter MI5110 (12VDC/230VAC)	New	\$50
1	Powertech 40W Switchmode MP3165 (240VAC/12VDC)	New	\$15
1	Response H1 HID Kit SL3490	New	\$15
1	Plantronics? Headset	New	\$5
1	Garmin etreSummit Handheld GPS, case & cable	Used	\$40
1	Garmin etreX Handheld GPS, holder	Used	\$30

Constructors Corner

By Robert VK4LHD

At the July Committee meeting the club management committee gave the green light for the Thursday night construction group to re-commence after the club was forced into lockdown earlier in the year due to COVID-19. During the lockdown, the construction group only met online for 90Mins on ZOOM every Thursday night. The Thursday night group has returned in leaps and bounds with members taking the chance to get together again and start making some useful items for the shack.

Before the lockdown, the group started making QRP microwave Transverters. Under the guidance of Wayne VK4WS he showed the members just how easy it was to build a simple QRP Transverters. Parts for the transverter were sort from the internet and local electronics suppliers. The heart of the system is a simple Arduino Uno programmable main board with an LCD display board for frequency read out and an RF mixer that allows the transverter to work on between 1200Mhz to 4400Mhz. With the addition of a stable local oscillator running at 10Mhz you have the basis for a simple but very effective QRP microwave Transverter.



In the past few weeks the members have been busy making Cantennas to go with their Transverters. Again, under the guidance of Wayne VK4WS the group members have been busy building their Cantennas. It was decided to start with 1296Mhz. After searching for a good size can that measured up to the correct diameter it was found that oyster sauce cans from a local Thai restaurant fit the bill perfectly. After a few trial and errors during the building of the Cantennas it was discovered that joining 3 of these cans together using an aluminum tape was the best way to construct them.



As we got better at constructing the Cantennas we started experimenting with 2.4Ghz Cantennas. These also became popular with the members and construction began on the new Cantennas. After some testing and tuning it was discovered that some of these Cantennas had really good gain figures. Some were showing gain of up to 16dB which was very good considering they are just made of cans that otherwise would have ended up in the bin.

On Saturday the 29th August we had our Cantenna shoot out and field day. Things got off to a slow start with the PLL that was being used to test the Cantennas refused to work properly. After a Sausage sizzle lunch and some repairs to the PLL we finally got the shoot out under way. A site was chosen at Muller park for the Cantenna test site.

All the Cantennas worked perfectly giving good strong signals back to the club rooms. As this was being prepared for this edition of Pelican Droppings some experimentation was taking place using coke cans and Red Bull cans as 3.4Ghz Cantennas. These are still under construction and yet to be tested so it will be interesting to see how well they work.



It will also be interesting to see who does the cleaning up around the club rooms as the place is looking a little bit more like a recycling depot than an Amateur radio club. This is just one of the many projects that have been done at the construction night.

The club is open for the construction night every Thursday night from 6:30pm. We also have study groups going on Thursday nights as well so if you would like to come to the club on a Thursday night you are most welcome. We still do have a few restrictions in place due to COVID but if we all work together and keep our distance then things will be fine so why not pop in and say hi on a Thursday night.

Talking to the ISS – the space cellular system.

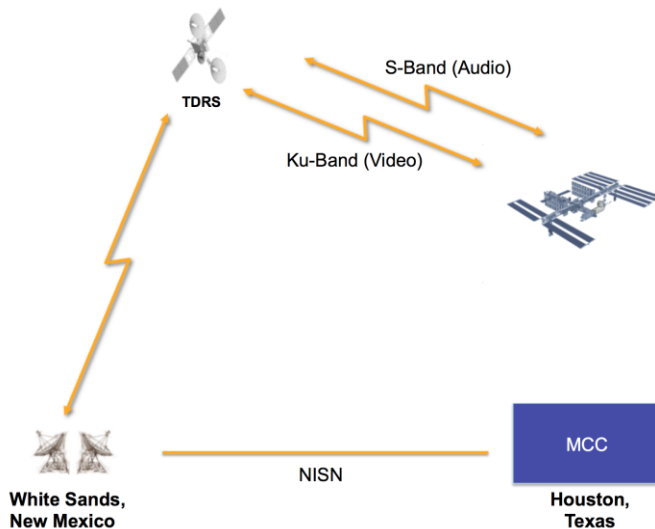
By Mark Roberts, VK4AN

Several our members have recently got the space bug thanks to the activation of a new voice repeater on the International Space Station that we can access. Over the past couple of days, it got me thinking, with an average pass of just 6 minutes per pass, how does one maintain a good rag chew with the station in a more formal environment ie mission control. Not surprisingly, the answer lies in space:

The ISS CTG (Communications and Tracking Group) is composed of independent US and Russian systems.

The US segment uses S-band and Ku-band to communicate with a TDRS (Tracking and Data Relay Satellite). The Tracking and Data Relay Satellite System (TDRSS) is a network of American communications satellites (each called a tracking and data relay satellite, TDRS) and ground stations used by NASA for space communications. The system was designed to replace an existing network of ground stations that had supported all of NASA's manned flight missions. The prime design goal was to increase the time spacecraft were in communication with the ground and improve the amount of data that could be transferred. Many Tracking and Data Relay Satellites were launched in the 1980s and 1990s with the Space Shuttle and made use of the Inertial Upper Stage, a two-stage solid rocket booster developed for the shuttle. Other TDRS were launched by Atlas IIa and Atlas V rockets. TDRS does not provide complete coverage, much like our terrestrial phone cellular networks, gaps between TDRS coverage can range from a few seconds to up to 15 minutes.

The most recent generation of satellites provides ground reception rates of 6 Mbit/s in the S-band and 800 Mbit/s in the Ku- and Ka-bands. This is mainly used by the United States military That satellite relays the signal to the receiving antenna at Whites Sands New Mexico or Guam. The signal is then sent from there to the Mission Control Center (MCC) in Houston, via the NISN (NASA Information Systems Network).



S-band is used for commands, telemetry, audio, and some files. Ku-band is used for video, some files, and payload data. So, if you watch a NASA PAO (Public Affairs Office) activity with the crew, the video is coming down via Ku-band and the audio via S-band. S-band is a pretty narrow band, so the flight controllers put a lot of work into ensuring the telemetry packets are designed to get the right telemetry down to the ground during the right activities.

The US system has four audio channels. On the audio loop devices at our consoles, they are labeled S/G-1, 2, 3, and 4. S/G is short for space-to-ground. All four can be used at the same time, meaning four crew members can simultaneously converse with the ground.

It is also possible to use a Skype-like application on the SSC laptops to talk to the ground, via internet protocols. NASA does not communicate with the ISS directly, via ground stations. There are experimental software defined radios onboard the ISS that do utilize ground stations, such as Wallops and Glenn, for experimental purposes - but they are not used for ISS operations.

The Russian communication system works primarily through ground stations. Because of that, the Russian control center only has direct communication with the ISS when the ISS is passing over a ground station. That means they can actually go multiple orbits without direct communication. They can, and do, use a relay that sends communication via the US system.

In the meantime if you want to get in on the ISS action, Amateurs can use the new radio system which is in FM cross band repeater mode using an uplink frequency of 145.99 MHz with an access tone of 67 Hz and a downlink frequency of 437.800 MHz. Donations to the ARISS program for next generation hardware developments, operations, education, and administration are welcome -- please go to <https://www.ariss.org/donate.html> to contribute to these efforts.

Stop Press – Sunfest and Christmas Dinner.

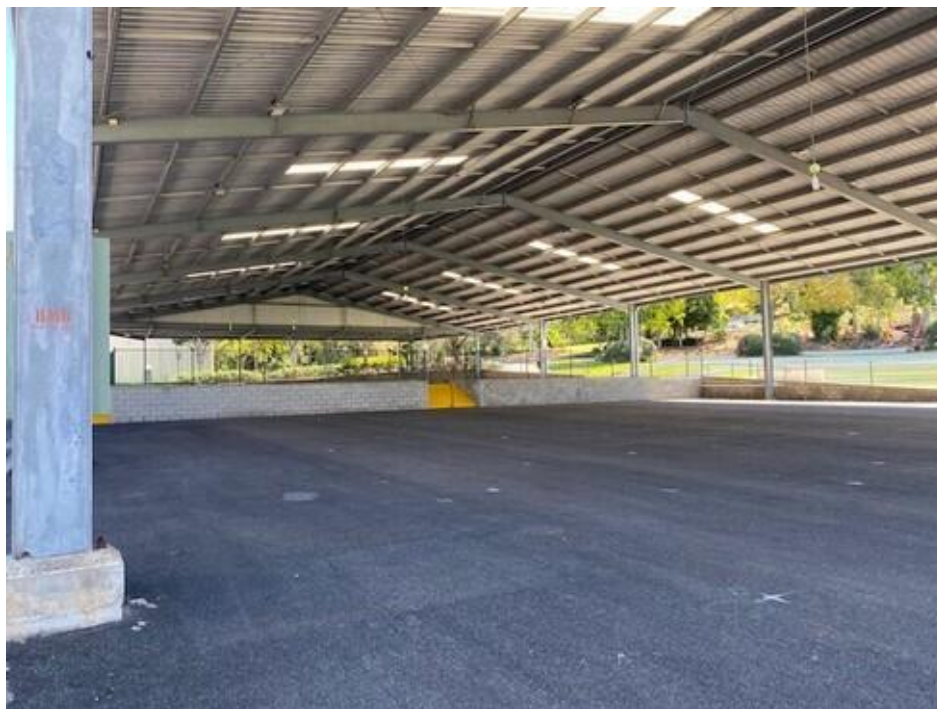
By your editor!

As we had several important dates being finalized as we went to press, I held off publication to ensure we could include the details, so I do apologise for the delay!

SUNFEST

Great news, we have now confirmed that Sunfest can be held at Nambour Show Grounds on Oct 24. It promises to be huge in so many ways. We have two massive covered areas as well as an area for catering and restrooms are steps away. More details to come, tickets will only be available online before the event due to COVID19.

We want to form a subcommittee to discuss needs etc, volunteers are asked to join us for a meeting Tuesday night 29th Sep at the club rooms at 6PM, Dinner will be provided. Don't forget our mega raffle, over \$2000 in prizes, tickets available online and at the club rooms soon!



Christmas Dinner

The committee has organised a special Christmas dinner this year to be held in the coolness of the evening at the club on Saturday, 5th December from 5Pm onwards. Featuring a pig on a spit (alternatives will be available for those with dietary or religious requirements), potatoes and corn (we will need to organise salads as well), we have forty spots available at \$30 each for those that want to attend.

Expressions of interest are now being sought from this that wish to attend via the SCARC email reflector.

Until Octobers edition – cheers and 73's!