



# The IARU Region 3 Newsletter

## Issue 47 – Q2 2018, Released July 2018

### Editor's Note

Thank you to all those who have contributed to this edition of the Region 3 Newsletter. I would like to see more articles from Societies that may be of interest to other societies and regions.

If a member society has an upcoming event please consider making a news item – the editor will assist you.

Contributions may be sent to me at the email address at the end of the Newsletter. Items appearing in newsletter may be used by societies freely to inform their members.

The deadline for the next edition is 30<sup>th</sup> September 2018.

73 Peter, VK3MV

### A word from the Chairman April 2018

This issue of our newsletter will be the last one before the tri-ennial conference in Seoul, S. Korea in mid-September.

KARL has been working very diligently to make all arrangements to make this an enjoyable and successful conference.

The planned locale was initially somewhere different, but it was subsequently moved to Seoul, making it much easier to access by delegates, flying in from all over.

The conference is a major event for the region. It gives an opportunity for us to review what has been done for the betterment of amateur radio within the region and make plans to it better over the following three years.

It also gives an opportunity for all of us to review the performance of those you elected to make this happen during the past three years, and then elect suitable new directors and appoint committee chairs to look after all the various areas that require constant follow up and monitoring.

As such may I ask all societies in our region, to think of who they think should be nominated and elected for the various tasks? This is very important as we get such an opportunity only once in three years, and so suitable candidates have to be identified by all of you who can devote sufficient time and effort on IARU. **I cannot over emphasize this very important matter.**

The committee chairman plays a very important role in all this. During the year we lost Jim Linton VK3PC, whose dedicated work for disaster and emergency communications was phenomenal. We need to identify a suitable replacement to fill those very large shoes.

We also are celebrating the 50<sup>th</sup> year of the founding of IARU Region 3. From small beginnings with a decision taken 50 years ago, the Region's administration has been working steadfastly to address issues that affect the working and enjoyment of this wonderful hobby.

Many societies have conducted special events to make this event known to all amateurs, and also to the general public.

The IARU Region 3 50<sup>th</sup> Anniversary Award has been actively promoted with many societies activating Special Event Stations ((SES) with 50IARU suffix, which can be used for the Award till the end of October 2018.

I thank ORARI for taking the lead in promoting this Award, and also putting in place a robotic system of logging that makes it easy for anyone working the SES to upload their logs and straightaway see how they are faring.

The IARU HF contest will be held later this month and this is a contest which is eagerly looked forward to by everyone around the world. Individual societies work with their HQ call signs and I am hoping that our directors and secretary will be on the air during that weekend to give amateurs around the world the R3 multiplier.

Hope to see many of you in Seoul!

Gopal VU2GMN

### Dedicated supporter to IARU Region 3 and former JARL President Shozo Hara, SK

Mr. Shozo Hara, JA1AN, passed away on June 9, 2018 at his age of 91, after some months of illness.

After WWII, he joined in JARL. In 1958, he started his formal service to JARL as one of 8 promoters for making JARL as a corporate organization, to which he was appointed as Secretary at its start in 1959.

In 1970, Mr. Hara was elected to President of JARL Inc, and served this position up to 2011 for 41 years.

With his new idea of introducing phone only license in 1959, the population of Japanese radio amateur was growing up to over one million in 1982 and reached its maximum of 1.36M in 1995.

In connection with IARU Region 3, after 1968 Sydney meeting for its inauguration, the second meeting was held in Tokyo, in 1971, at which the Constitution of IARU Region III Association (our inaugural name) was adopted and IARU Region 3 activity started. JARL hosted this meeting and Mr. Hara served as Honorary President.

He attended IARU Region 3 Conference for many times as JARL head of delegation, from 2nd Tokyo to 13th Bangalore conference.

From 1982, JARL has been providing an office space at a corner of its HQ building to IARU Region 3 Secretariat with a staff member in the starting years.

As a radio amateur, Mr. Hara was a dedicated VHF man of Japan. He enjoyed 6m amateur band communication and very much interested in sunspot number for stable and long distance VHF communication. He continued to write one page column of "About V · H · F · " in Japanese "CQ ham radio" magazine for 64 years up to December 2017 issue, 775 columns in total.

JARL

### **Thailand Cave Rescue - Ham Radio Link**

The amateur radio group on Reddit [Link](#) carried a story about the use of the HeyPhone communications device that the cave rescuers used during the recent rescue in Thailand.

The HeyPhone was designed by John Hey G3TDZ (SK 2016) with the support of the British Cave Rescue Council BCRC and the Cave Radio & Electronics Group (CREG), which is a special interest group of the British Cave Research Association (BCRA).

The HeyPhone design uses single-sideband radio, usually operating at 87kHz USB. It is operated with earthed electrodes separated by 25m to 100m that injects current into the earth similar to the trench communications of the First World War.

Further information on the HeyPhone can be found at: [Link](#)

Further information about the rescue and use of the HeyPhones: [Link](#)

Hackaday Story on Heyphone [Link](#)

*Southgate, WIA*

### **Amateur Radio transponders on planned Chinese satellites to include HF**

China's Amateur Radio Satellite organization, CAMSAT, has released some details of three new Amateur Radio satellites that could be launched as early as September. Two of the satellites, CAS-5A and CAS-6, will carry transponders, and one of them will have HF capability.

**CAS-5A** is a 6U CubeSat. It will have an HF/HF (21/29 MHz) mode linear transponder; an HF/UHF (21/435 MHz) mode linear transponder; an HF CW telemetry beacon; VHF/UHF mode linear transponder; a VHF/UHF mode FM transponder; a UHF CW telemetry beacon, and UHF AX.25 4,000/9,600-baud GMSK Telemetry. Transponders will have 30 kHz passbands, except for the H/U unit, which will be 15 kHz.

The tiny **CAS-5B**, weighing 1/2 kilogram, will be deployed from CAS-5A in orbit. It will carry a UHF CW beacon on an Amateur Radio frequency. It will be placed into a 539 x 533 kilometer, 97.5-degree orbit. CAS-5A/B will launch from the Jiuquan Satellite Launch Center.

**CAS-6**, a 50-kilogram microsat, will include a VHF CW telemetry beacon; a U/V mode 20 kHz linear transponder, and AX.25 4,800-baud GMSK telemetry downlink. It will also carry an atmospheric wind detector and other systems that will operate on non-amateur frequencies.

A launch at sea is planned for CAS-6 from the China Academy of Launch Vehicle Technology. The microsat will be placed into a 579 x 579 kilometer, 45-degree orbit.

CAMSAT has applied to the International Amateur Radio Union (IARU) to coordinate frequencies for all three spacecraft.

*CAMSAT*

### **Amateur Radio Comeback Thanks to Schools Amateur Radio Club**

There is a great article in the Education Today e-zine about Joe VK3YSP and Julie VK3FOWL being on a mission.

That mission is to use amateur radio as a vehicle to stimulate primary school children's interest in science and technology.

The School Amateur Radio Club or SARC has been operating in three schools in Victoria over the last few years thanks to the dedication and skill of Julie and Joe.

Groups gather at lunchtime, before and after school to put together projects, operate radio, learn Morse code, make satellite contacts, amongst other things.

The Principals and parents are raving about it and the children are really engaged and want to be involved in the activities.

One of the attractions is that this is different to the usual internet and social media activities.

Joe and Julie's vision "is that one day school amateur radio clubs will enjoy many of the benefits that other clubs take for granted like having their own regular on-air net (SARCNET), contests, hamfests, field days, conferences, newsletters; even a regular column in Amateur Radio magazine, we firmly believe that the children will change the face of Australian amateur radio."

For more information about the program take a look at the article in Education Today e-zine.

[Link](#)

*WIA*

### **Ham radio helping lifelong hobbyists stay mentally fit in old age**

Anthony Pancia from ABC South West WA interviewed 82 years young Norman Gomm VK6GOM about the benefits of the hobby of Ham Radio.

Mr. Gomm spends a few hours a day in the shack and said "Ham radio requires a lot of cognitive skills and a lot of understanding technology, so I find that's very good for keeping me active."

Richard Oxley VK6VRO was interviewed as well from his ham table in his backyard. Richard is legally blind and finds the hobby of amateur radio fun and commented "you never get sick of making that first contact with someone from overseas".

Peter Clee VK8ZZ Secretary of the WIA comments that enthusiasts regularly fund and build satellites that are launched into space and talk with the International Space Station.

The technical aspect alone of setting up a ham radio station would be of interest to anyone looking for something challenging said Mr. Clee.

The article finishes with that comment that it is this challenge that continues to draw enthusiasts like Mr. Gomm back to his ham shack on a daily basis.

For the complete article and video take a look at the [Link](#)

*WIA*

### **Celebrating 100 Years of Wireless between The United Kingdom and Australia**

September this year marks the 100th anniversary of the first wireless transmission between Australia and the United Kingdom. Messages were transmitted from the Marconi station at Waunfawr in North Wales on the 22nd September 1918, and were received almost instantaneously at "Lucania" the Wahroonga home of Ernest Fisk, the Managing Director of Amalgamated Wireless (Australasia) Limited (A.W.A.).

Two communications were sent by Morse code to Australia. The first message was from the Prime Minister of Australia, Mr. W.M. "Billy" Hughes, who was in the UK at the time, and the second from the Minister for the Navy, Mr. Joseph Cook who accompanied Hughes.

Wireless was a very new phenomenon, and the experiment between Ernest Fisk and Guglielmo Marconi was a significant achievement in the early development of world-wide wireless communications. There was considerable public interest, and political controversy, as Hughes was using his wireless message to strengthen support for the war effort in Europe at a time when support in Australia was waning.

The Marconi-Fisk achievement is commemorated by a monument located outside the original receiving site in Wahroonga, which is still a private residence. Every five years the Hornsby Amateur Radio Club (HADARC) and the Ku-ring-gai Historical Society have commemorated the event by the exchange of wireless messages with the Dragon Amateur Radio Club in Wales.

This year, with additional support from Ku-ring-gai Municipal Council, they are planning a major centenary celebration. A re-enactment of the original message will occur adjacent to the Wahroonga monument, followed by displays in the St Andrew's church hall, some 50 metres away in Cleveland street, which will include a working HF amateur radio station operating under the special call sign VK100MARCONI.

The Dragon Radio Club will also be operating an HF station from the Welsh site of the Marconi transmitter using the special event amateur call sign GB2VK, and it is proposed that Fiskville, located in Victoria and named after Ernest Fisk (where early transmitters were located), will be activated from Werribee Gorge State Park (VKFF-0775).

The centenary event provides an opportunity to showcase amateur radio, both to the public and to higher levels of government, and it is also very significant for the descendants of the Cable and Wireless company and the Overseas Telecommunications Commission (OTC), AWA, Siemens, and the entire radiocommunications community. It is expected to be well attended by politicians, councilors and school children from around the region, and anyone interested in the history of communications.

As part of the Centenary celebrations, the WIA will hold an on-air event over the entire month of September. This event will be very similar to the ANZAC commemorative event, where State and Territory based special event call signs will be allocated to any club or individual for a short period of time.

The WIA has secured the call signs VI#MARCONI for participating States and Territories, and those call signs will be made available to WIA affiliated clubs and WIA members on a time-share basis for a maximum of 48 hours, (this period may be altered depending on the demand).

The event timetable and details about the VI#MARCONI call sign application and allocation process will be posted on the WIA website. Registration for a MARCONI special event call signs is expected to commence early in July. QSL cards will be issued for contacts with special event MARCONI stations, and WIA awards will be available.

A very good background to the Marconi Transmission is at VK2DMY's Military Radio and Radar Information Site - [Link](#)

HADARC Website: [Link](#)

WIA

### **IARU Region 3 Directory**

Official R3 Directory. Further information can be found on the Region 3 website: <http://iaru-r3.org/secretariat/>

### **Society Update Officials and Contact Information**

A request is extended to all Region 3 Society Liaison Officers or other responsible officers to ensure that all details about their society is up to date on the listings shown at <http://iaru-r3.org/> under member societies. Some details have not been amended or updated for a number of years and have nonfunctional data.

Current details can be forwarded to the Secretary of Region 3 for updating of the web information.

#### **Newsletter details:**

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Region 3 Societies can submit articles for inclusion to the next bulletin by 30<sup>th</sup> September 2018.

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**Note to Editors -** Items from this Newsletter may be freely copied for publication by Member Societies of IARU.

### ***IARU Region 3***

