



Recommended calling QRGs: 7.028, 10.118/10.128/10.133, 14.058, 18.085, 21.058/21.138, 24.908, 28.058/28.158

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## NEW MEMBER

We're very pleased to welcome our latest member: Willy, DW1JUI #15289 Tada, 7L2KOZ #15290.

## MY REMOTE CW STNS AND USE OF MRP40 CW APPLICATION, GEORGE, 7J1ATG, #15076

Hello all - my name is George and I hold call signs 7J1ATG, GW3YTC and VK4BGR. I have been licenced since 1969 having obtained my first callsign (G3YTC) whilst at a Naval Radio College in the UK.

I have previously written short articles on my three remote stations – one located in my friend's (James MW0JHC) Garden Shed on the Island of Anglesea in Wales / UK (I use my GW3YTC callsign with that one), one near Brisbane (VK4BGR – this one solar/wind powered only and TX power is limited (usually 30 W) depending upon the weather and visits by Murphy!) and the 3rd Remote station is one in the IZU mountains where I use my 7J1ATG/2 callsign - usually from my home in Tokyo or whilst travelling around Kanto.



Three existing Remote Stations shown in RED. Future VE9 Planned in GREEN (in another friend's garden shed!)

I modelled my remote station system on an old UK Commonwealth Marine Radio System that had many distributed low power Coastal Stations and low power Ships Radio Stations globally in order to maintain reliable communications with the "then" vast British Shipping Fleet. At that time a network of Landlines connected the Coast Radio Stations together and back to the UK, in my case I use the Internet.

The three remote stations have been operational for some years now and allow me to have at least some access to my hobby of HAM RADIO even whilst I am travelling for my work.

I am allowed to access (TX/RX) my GW and VK Remotes from any location Globally – which is very useful for me as I spend a lot of my time travelling for my work. Unfortunately I am only allowed to access (TX/RX) my IZU remote whilst within a 3 hours travel distance from that location – which is a pity as I am often further away from IZU/Tokyo (or overseas) and at that time I can only QSX my IZU Remote.

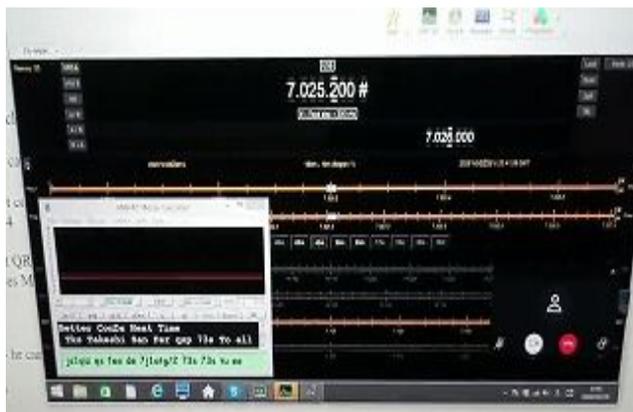
I am hoping this restriction in Remote Operation in the Japanese Radio Regulations may change one day....but until then I can only QSX it from any location Globally and often QSX the FISTS 7MHz Sunday morning Net from overseas..... but cannot take part.....⊗しょうがない!!

As my main interest is CW – all my remotes are designed to only use CW – I have no SSB capability at present. On all my current Remote Stations I use the MRP40 CW Application for CW encoding.

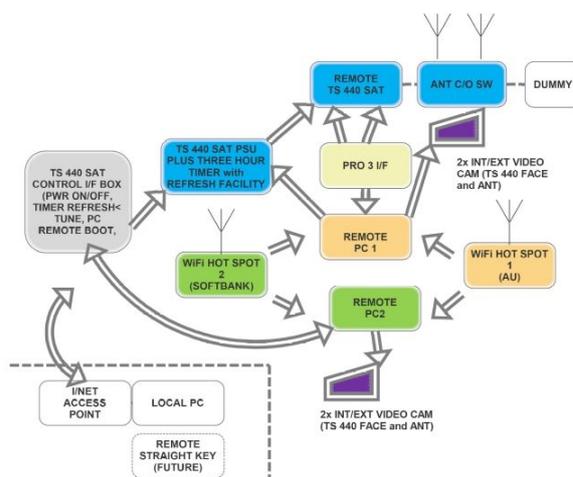
The MRP40 CW Application is available on licence from Norbert at Polar Electronics in Germany. The Licence fee is about US \$50 per station (once only fee) and for that fee I have received fantastic support from Norbert when I have run into any issues with the application.

I could not fault Norbert’s support in anyway and he has even remotely accessed my PCs to fix problems – not with his application - but Microsoft!!

The MRP40 CW Application offers very good features for Sending CW (and Receiving CW if required in good signal conditions). The CW is transmitted as an offset USB signal (800Hz on my system) and in conjunction with HRD (Ham Radio Deluxe) it is possible to switch the RX Bandwidth using the TS440 internal Bandwidth Filters.



Screenshot of IZU Remote Stn PC Screen in TX mode during the FISTS Net on 29th MARCH,2020



Block Diagram of IZU Remote Station System



External Cameras confirm condx of Antenna (multiband Whip mounted on top of a nearby tree!) Plus 40 Mtr Dipole – poor WX condition on 29th March, 2020 at IZU Remote.



View from IZU Remote in better WX Cond!

At the time of writing this article – my VK4 Remote is OFF AIR and I may not be able to get it back on air until my next visit to VK4 – which with the Corona Virus travel restrictions at present may be several months from now!

My remote stations although not very sophisticated – when working - are adequate to allow me to continue with my favourite hobby – HAM RADIO from most locations if I have access to the internet using my laptop or even mobile phone.

My thanks to Norbert (Polar Electronics Germany), Skype, Teamviewer, HRD and several other applications and equipment suppliers without which my Remote Stations could not function.

Please take care everyone in these dangerous days of the Corona Virus and I look forward to catching you on air! 73s – George.

## ON THE AIR FROM OKINAWA, TAK, JS1QIZ, #15150

I spent a weekend, Mar 14, 15, at Onna Village, Okinawa, Japan, with my QRP transceiver. I used a telescopic whip antenna with tapped base-loading coil with 6m and 2m counterpoises. Although I could hear all the participants for the FEA net on the morning of 15th, my 5 watts signal could not reach the controller. Besides the net, I could hear a lot of other signals but could reach only one station in a total of 3 hours of QRV. It seems an additional hop between the ionosphere and ground/sea for domestic destinations consumed all the power of my tiny signal. Honestly, I consider bringing a 50 W TX if I'd have another chance. Anyway, it was lovely to hear Morse code in front of the blue ocean under the moderate sunshine of March. Also, I enjoyed the time spent with my son, who joined me after my work at Onna from 12th to 13th. 73 de JS1QIZ



## HLA305V, SUGI, JK7UST, #7178

I've got a new 200 W amplifier. It's a HLA305VJP made by RM Italy. I'll use it for K2 and KX3. I bought a new switching power supply for this amplifier. It's a GZV4000. This power supply start the fan as soon as the switch is turned on, regardless of the load. I think it is a necessary fan to use 40 A for 8 hours for 3 days. However, I don't plan to use it for 8 hours continuously with the key down, and I don't even want to keep it for 3 days. So, I think I'll replace the fan with a quiet type. I hope to see you on the air. 73, and 88!



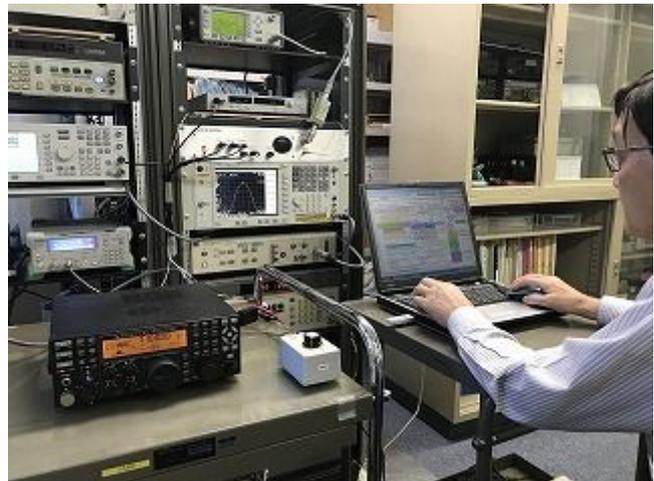
## VISITING AN IDEAL PLACE, MANABU, JE1RZR, #15020

Without QRN, any obstacle building, fear of TVI for neighbors neither --- that is a dream for HAM. It's hard to find such place but there is! Atsu, JE1TRV/JS2AHG has almost completed his mission in some JA2 area close to Mt. Fuji over couple of years. Cozy shack is ready for radio and being relaxed. He built up not only a local station at place but also a remote system with QRO operation. Amazing! His story sounds like not easy way but surely encourages you. Keep your dream and it comes true someday!



## TESTING EQUIPMENTS, MANABU, JE1RZR, #15020

Had a chance to test my gears at JARD, The Japan Amateur Radio Development Association shop in Sugamo, Tokyo in March. JARD provides services for examination of spurious emissions, transmission frequency, out put power, etc. You can get data bringing your rigs. I asked a staff to test my K3, K2 and KX1. All rigs shows satisfactory figures but some of them has critical performance indeed. It's worth even to see how to operate so expensive testing equipments.



## FEA CW NET RESULTS: NO. 785 TO 797, NAO, JO3HPM, #15008

No.	Date (Y/M/D)	Time (UTC)	Freq. (MHz)	Controller	Participants
797-2	2020/3/29	0800-0850	14.054	JL1GEL	BX8AAD, JE1RZR, JK7UST, 7J1ATG/2, JS2AHG
797-1	2020/3/28	2300-0003	7.026	JS1QIZ	JO3HPM, JA4IJJ, JE1RZR, 7J1ATG/2, JI1XJB/6, JL1GEL
796-2	2020/3/22	0800-0822	14.054	JO3HPM	JE1RZR
796-1	2020/3/21	2300-2351	7.0255	JE1RZR	JS2AHG, JA4IJJ, JK7UST, 7J1ATG/2, JL1GEL, JO3HPM
795-2	2020/3/15	0800-0839	14.054	JE7YTQ	JE1RZR, VK6RR, 7J1ATG/2
795-1	2020/3/14	2300-0853	7.0265	JL1GEL	JA4IJJ, JS2AHG, JK7UST, JE1RZR, JI1XJB/6, JO3HPM
794-2	2020/3/8	0800-0836	14.054	JE7YTQ	VK4BGR, JE1RZR, VK6RR
794-1	2020/3/7	2300-0820	7.0265	JL3YMV	JA4IJJ, JS2AHG
793-2	2020/3/1	0800-0840	14.054	JE1RZR	VK4BGR, JO3HPM
793-1	2020/2/29	2300-0845	7.026	JS1QIZ	JA4IJJ, JL1GEL, JI1XJB/6
792-2	2020/2/23	0800-0841	14.054	JL1GEL	BX8AAD, VK4BGR, JE1RZR
792-1	2020/2/22	2300-0843	7.026	JS1QIZ	JA4IJJ, JR0QWW, JL1GEL, JS2AHG, JI1XJB/6
791-2	2020/2/16	0800-0828	14.054	JO3HPM	VK4BGR, JE1RZR
791-1	2020/2/15	2300-2335	7.0259	JE1RZR	JL1GEL, JS2AHG, JA4IJJ
790-2	2020/2/9	0800-0855	14.054	JE7YTQ	VK4BGR, VK6RR, JS2AHG, JL1GEL, VK4SSN, JE1RZR
790-1	2020/2/8	2300-2356	7.026	JL1GEL	JS1QIZ, JE1RZR, JR6HK, JS2AHG, JA4IJJ, JK7UST, JO3HPM
789-2	2020/2/2	0800-0825	14.053	JE7YTQ	VK4BGR, JE1RZR, VK6RR
789-1	2020/2/1	2300-2347	7.026	JL3YMV	JI1XJB/6, JL1GEL, JS1QIZ, JS2AHG, JK7UST, JE1RZR
788-2	2020/1/26	0800-0825	14.054	JO3HPM	VK4BGR, VK4TJ
788-1	2020/1/25	2300-2355	7.027	JL1GEL	JS1QIZ, JA4IJJ, JK7UST, JI1XJB/6, JO3HPM
787-2	2020/1/19	0800-0827	14.054	JL1GEL	JE1RZR
787-1	2020/1/18	2300-2341	7.0265	JE7YTQ	JE1RZR, JA4IJJ, JO3HPM, JS2AHG, JL1GEL
786-2	2020/1/12	0800-0829	14.054	JE1RZR	VK4BGR, JK7UST, BX6ABC
786-1	2020/1/11	2300-2345	7.026	JS1QIZ	JA4IJJ, JL1GEL, JE1RZR
785-2	2020/1/5	0800-0835	14.054	JE1RZR	JS2AHG, VK4BGR
785-1	2020/1/4	2300-2345	7.027	JS1QIZ	JA4IJJ, JS2AHG, JR0QWW

### FINALE

Currently, the COVID-19 are spreading around the globe. Many people are forced to remain at home. It is very stressful. But some people are more stressed. They are medical staffs who work hardly at the front line fighting against fears of infection. I do not want to forget to thank them.

What can we do now? Wash hands frequently. Maintain social distancing. Avoid touching eyes, nose and mouth. Stay informed. And behave rationally.

In January 2020, relief supplies, such as masks, sent from a Japanese organization to China. A passage from a Chinese poem 1300 years ago was written on the box of them. “山川異域 風月同天” (The country we were born in is different, but the winds and moon are under the same sky and there are no borders.) We, radio amateur, know that radio waves have no borders, so I think we can understand what the passage means well.

There is one more thing we can do now. It is to get on the air. Thinking about friends all over the world, let's pound brass. 73/88 and stay safe/healthy de Nao.