



FIVE AND NINE PLUS

THE OFFICIAL NEWSLETTER
OF THE
APPLEDORE AND DISTRICT
AMATEUR RADIO CLUB

Club Callsigns: G2FKO and GX2FKO
Web Site : www.adarc.co.uk

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August 2019

EDITORIAL

Welcome to this month's 5&9 Newsletter. This month's **Meeting on Monday, August 19th** is our **Summer Natter Night combined with a Bring & Buy**. So a perfect opportunity to catch up with everyone's news and hopefully get a bargain or part with gear that is looking for a new home.



This month's Newsletter is overshadowed by the sad news that **Brian (M0BRB) became silent key** as reported elsewhere in this Newsletter. Brian was so involved with the Club from having been Secretary for many years to being synonymous with the Zepp and Friday afternoon Nets for which he always found time to be 'in the chair' as net control. A sad loss to the Club and he will always be remembered with affection and respect. I hope to produce a suitable tribute article to Brian in the next Newsletter and would be most grateful for any personal recollections or information for inclusion.

The **funeral is at Barnstaple Crematorium, at 1.40pm on Thursday August 22nd**. The collection is in aid of the Air Ambulance.

Finally can I bring to members attention that next month is our **Club Annual Open Meeting** to which family and friends are most welcome. This meeting always has a non radio theme and this year I'm pleased to announce that **Frank Starkey, a retired Deputy Headmaster of Bideford School**, will be giving a fascinating talk on **'Amusing Moments in a Teaching Career'**.

Enjoy the Newsletter.

Terry (G4CHD)

CLUB MEETINGS

Meetings are held at the Appledore Football Social Club starting at 7.30pm for 8.00pm. Visitors are always welcome.

Aug 19 th	Summer Natter Night and Bring & Buy
Sept 16 th	Open Meeting - Amusing Moments in a Teaching Career by Frank Starkey
Oct 21 st	DMR by Mike (G4KXQ)
Nov 18 th	Winter Bring & Buy
Dec 16 th	Club Christmas Party
Jan 20 th	TBA
Feb 17 th	TBA
Mch 23 rd	Club AGM
Apl 20 th	TBA

For further information, contact the Secretary, Alan (2E0EUZ) - see above panel for contact details.

FRIEND AND LONG STANDING CLUB MEMBER BRIAN (M0BRB) SILENT KEY

It is with great sadness that I report that Brian (M0BRB) passed away in the early hours of Wednesday, Aug 7th in Fremington Manor Care Home. Our thoughts go to Brian's family at this difficult time.



REPORT ON THE JULY MEETING

**External Spectrum Display for the IC-7300
Talk & Demo**

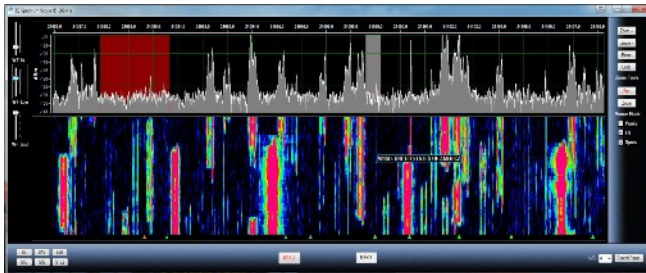
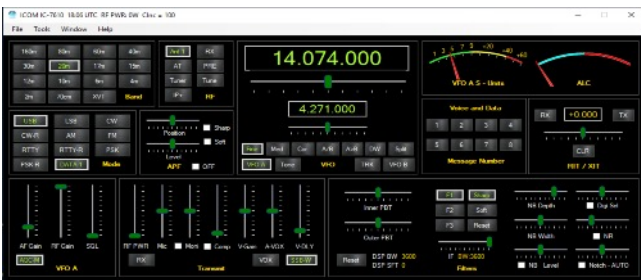
by Terry (G4CHD)

There was a reasonable attendance for this Meeting in which with the aid of a slide presentation, the methods by which the Spectrum Display on the Icom IC-7300 could be presented on an external monitor.

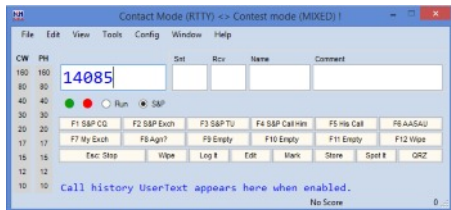


Two approaches were described - one using external hardware and the other using software. The hardware approach involved using an external SDR with a single RX/TX antenna together with an external electronic switch to switch the antenna

between the SDR and the IC-7300. Suggested hardware were the SDRPlay and the MFJ 1808. The software approach involved using either Win4Icom



(costing approx £41) or the free N1MM Logger program. Both were demonstrated using an Ipro Traveller antenna connected to the IC-7300 although transmitting proved impossible due to rf pickup on the HDMI lead to the projector. It was also explained how versatile Win4Icom was in both controlling most of the IC-7300 functions as well as making it possible to operate the rig remotely from eg a laptop via the internet.



It is hoped that those attending enjoyed the talk and possibly came away with thoughts of giving it a go themselves. I must admit that I have found the Win4Icom software very useful.

As a post meeting note, the slide presentation has been put onto the Club Website as a pdf file together with a short Step by Step article explaining how to use the N1MM Logger software with the IC-7300.

Terry (G4CHD)

LOCAL SKEDS

Zepp Net: Mon/Tues/Thurs : 145.450MHz - 4pm
Wed via GB3DN - 4pm

2m Net: Mon/Tues/Wed : 145.450MHz
10.45 - 12.00 noon

Friday Night 2m Net: Friday : 145.450 FM, 8 - 9pm

6m/2m Net: Has now moved to 145.475MHz
Wednesday, 8 - 9pm until conditions improve on 6m

HF Net: Friday at 3pm 7.134 MHz ± qrm
If conditions poor - 145.450 MHz

70cm Net: Sunday, via GB3ND, 11am - noon
Available on Echolink node 221334

Top Band Net: Sunday 1.860 MHz
(LSB - 32W pep max) 9.30 - 10.15am
Contact Dave (G4XWQ) for details

LOCAL REPEATERS

70cm Handy Cross Repeater/Echolink (#221334) Gateway (GB3ND)
User: Listen 433.35 MHz- Transmit 434.95 MHz
Access 1750 Hz Tone (Timeout 4.25 mins)/ 77 Hz CTCSS
Repeater keeper is Jeff (G4SOF)

2m Stibb Cross Repeater (GB3DN)
<http://www.g0rql.co.uk/gb3dn.htm>
User: Listen 145.6375 MHz - Transmit 145.0375 MHz.
Access 1750 Hz Tone or 77 Hz CTCSS
Repeater keeper is Tony (G1BHM)

70cm Twicken (nr South Molton) Analogue Repeater (GB3SF)
User: Listen 430.9375 MHz - Transmit 438.5375 MHz
Access 77Hz CTCSS
Repeater keeper is Steve (G6SQX)

APRS Digipeater (MB7VE)
Frequency 144.800 MHz
Repeater keeper is Steve (G6SQX)

CROSSWORD

Many thanks to Stuart (M1FWD) for this month's Crossword.

The answers are in next month's Newsletter. Good luck !

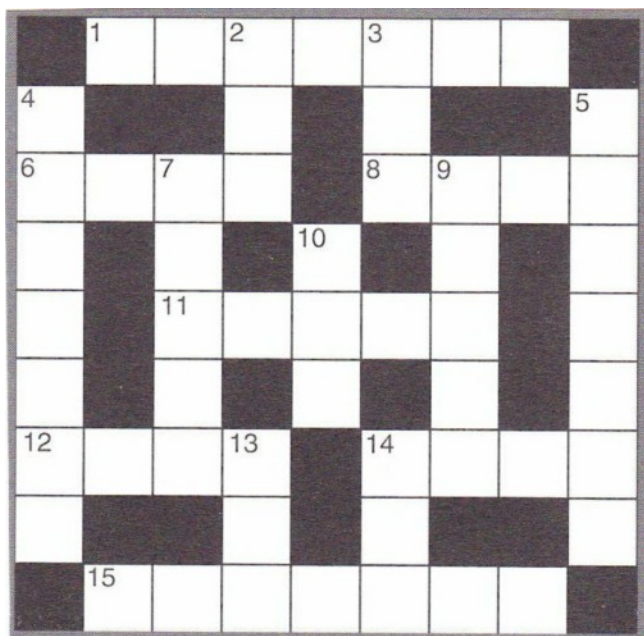


CLUES ACROSS

- 1) US state, capital city Helena (7)
- 6) Rag ? – in amateur radio, an extended informal conversation (4)
- 8) A single step in walking or running (4)
- 11) Phonetic term in radio communication for 'received and understood' (5)
- 12) The second longest river in Echo Alpha (EA) land (4)
- 14) A defined piece of allotment ground (4)
- 15) Native of Yankee Lima (YL) land (7)

CLUES DOWN

- 2) At this moment in time (3)
- 3) Abbreviation for the SI base unit of electric current (3)
- 4) The tenth month of the year (7)
- 5) Says or does again (7)
- 7) ? message, information displayed when an unexpected condition occurs on a computer (5)
- 9) The fourth month of the year (5)
- 10) Before the present (3)
- 13) Not in (3)
- 14) The 21st letter of the Sierra Victor (SV) land alphabet (3)



Last month's answers :-

ANSWERS ACROSS: 1) Barbados 6) Trinidad 8) wire 9) Mach 12) Dominica 14) Johnston

ANSWERS DOWN: 2) rarer 3) Anne 4) old 5) Idaho 7) Swede 10) Ascot 11) unun 13) Mao

SUDOKU PUZZLE

The aim is to enter a number into each cell so that **any column, or any row, or any block of cells contains all numbers from 1 to 9**

2						5	1	
	3		1	5		9		
	4			2				
3	7						5	
			3		6			
	2						4	7
				6			9	
		4		1	3		2	
	9	2						3

Terry (G4CHD)

A TRIBUTE TO DAVE (G3YGJ) SK

Several members have asked if a short tribute could be included in the Newsletter regarding Dave's (G3YGJ) long involvement with our Club.



Since I only moved here in 2000 my friendship with Dave was comparatively brief compared to that enjoyed by other members who have helped to produce this tribute.

In an article back in Feb 2015 on the beginnings of our Club, Ken (G4NUJ) wrote :- *the Club was formed back in 1985 by Peter (G4ZSX), Ron (G0BGL) and Ken (G4NUJ) and met Sunday lunchtimes for a drink in the 'Coach and Horses' Appledore. A little later Dennis (GOFCL) and Dave (G3YGJ) joined in together with several others. So Dave's involvement with our Club started over 30 years ago.*

Dave had moved down from Lancashire where he and xyl Jean had been involved I think with the Mills and they were both very proud of their Northern heritage.

I'm not sure exactly when they moved to North Devon but Jeff (G3SOF) recalls :- *I got my licence back in 1982 and see from my first log book that Dave was the second qso back on Oct 28th 1982 using 2 meter simplex. Dave was at the top of a ladder probably putting up another antenna in his small garden. His long overs were legendary and he could often disappear down a hill and still be on the same over when getting up the other side!*



Mike (G4NCU) recalls :-
Dave was a keen supporter and attendant at all the field days and special event stations put on by the club.

David was a very good cw operator - he sent morse on the QRS side (slow

CW) but with great accuracy using a straight key. He also enjoyed home brewing both straight and paddle keys.

David was also one of the first to operate the new bands and extensions as they became available to us which meant more antennas springing up in his tiny back garden - all home brew of course. He once told me he had made a foot operated key which one could imagine would be very difficult to use. However it did work and he also built the Elecraft K2 kit tcvr - no mean task for any radio amateur. His other hobby was woodworking in his well equipped garden shed, and yet still found time to teach the foundation licence.

Looking through old Newsletters I came across an article back in Sept 2009 by Dave on a Home Brew Delta Loop antenna for 18 MHz which I have included following after this short tribute..

Mike (G3PGA) also recalls :- *Dave (G3YGJ) was a keen woodturner and made many nice pieces.*

Most of his activities are well known including Morse tuition, satellites and of course QRP operating.

Dave was always willing to help anyone and on one occasion that included me. I had bought a new FT817 which I couldn't get to work on 2m. So Dave said 'bring it down and I'll have a look'. Dave took only a few minutes to diagnose my stupidity - the 2m socket had been set up in the menu system to use the front and not the rear socket (which I was trying to use!). A few clicks later and hey presto - problem solved thanks to Dave.

Many members will have their own fond recollections of Dave and how he helped them. He was always enthusiastic and willing to help - a genuine real 'nice guy'. Our Club was privileged to have had Dave as a member and he will be sadly missed but never forgotten.

Terry (G4CHD)

Enjoy the Newsletter

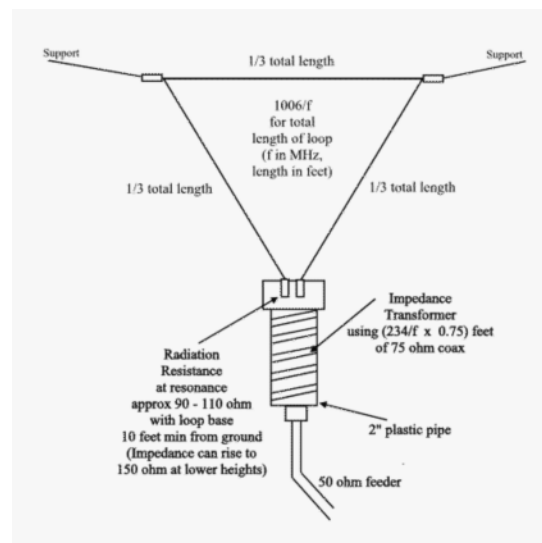
Terry (G4CHD)

A HOME BREW DELTA LOOP

An article by the late Dave (G3YGJ)

After discussions on antennas and such at the Tuesday coffee morning at the Barnstaple Bear St Chapel. I thought that I would try another Delta Loop (having made and used one for 10Mc/s with a great many good QSO's on 1 watt CW a few years ago) this one would be for 18Mc/s, as this band should, I say should, be clear of contests and we can use CW and SSB.

So looking up the design that I used before, by Ed Lappi WD4LOO. I made up a Loop, I'm afraid it was not to the standard that I used to do these things at before, but it does work, and although the FT847 is quite happy to transmit without a tuning unit the K2 is a little more critical of the 1:2-1 SWR, not much you say, no but the K2 will reduce the output to 20 Watts from 100 watts if it does not get a 1:0-1 SWR.



So with the K2 I have to use the G4NCU design Transmatch, and then I can use over 20 Watts if I want to. I worked out the length of the full wave loop by using the formula $1006/f$, and the 75 ohm coax impedance matching section with the formula $234/f \times 0.75$.

The two ends of the loop are brought together with a dipole centre connector and the 2" plastic pipe is suspended underneath with cord (to take the tension off the coaxial joints)the 75 ohm coax is wound around the pipe (both ends are drilled to hold the coax in place, after doing a test wind to find the length of pipe needed).

Bye the way I am not giving lengths, for it depends on which band you make it for.

The 50 ohm coax feeder is connected to the end of the 75 ohm coax (and held with cord to the bottom of the pipe to take the strain).

If the measurements are all correct then you should have an antenna that will connect to the transmitter directly and give a good match.

The one I have made gives several 'S' points gain on receive than the 80m dipole, the W3EDP or the vertical.

So have a go, I think it is worth it, I hear a lot more on 18Mc/s than I did before.

And if I had the room I would have two up for each band at right angles to each other!!!.