

THE

SARC

MAGAZINE

From your Chairman

It seems only a short time ago, that news of another Radio Club, forming in the Shirehampton area, spread around. I'm sure many people thought that this new club would be a 'five minute wonder'. Until that time, only the Bristol Amateur Radio Club and the Bristol RSGB Group existed. That 'short time ago' was thirteen years ago, in 1969.

Today, in 1983, we are still a fairly small group. Our activities, however, continue to grow. This next year will, I'm sure, see even more club activities. The Club, however, belongs NOT to it's Committee, but to its Members, in whose charge the Club's future lies.

Bob G4BWB

The SARC magazine

One of the new activities mentioned by our illustrious Chairman is the production of a magazine, hopefully every other month. For this first issue, ideas have been flowing in from keen members but, more will be required for future issues. So please, volunteer to write a piece on anything vaguely radio and hand it to one of the production team, who comprise editor and assistants, typist, draughtsmen, printer and distributor. Anyone want a job.....?

Garry G4FRO

SHIREHAMPTON AMATEUR RADIO CLUB, Twyford House, Lower High Street,
Bristol

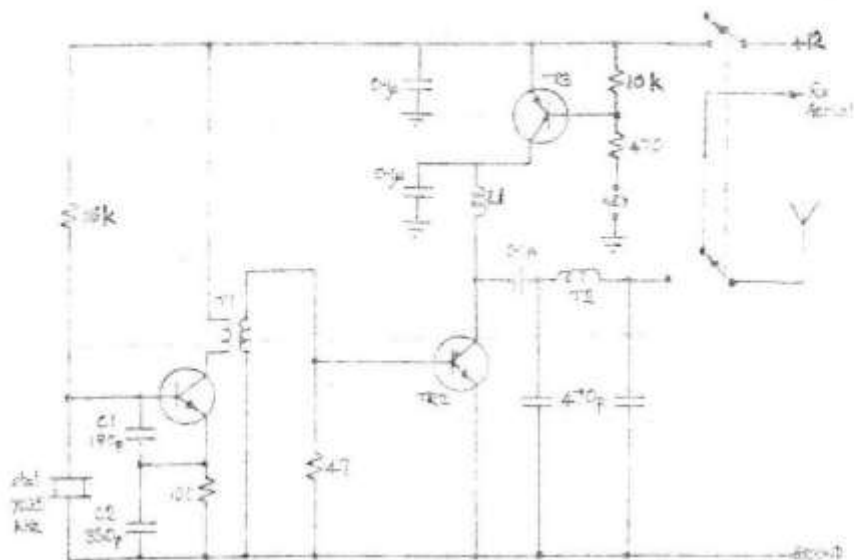
Project

This simple CW transmitter will produce about 1 watt output on most hf bands, but the values here are for 7 MHz. I have had great success on this band with power as low as 70 milliwatts.

TR1 is the oscillator which produces about 100 milliwatts drive to TR2, the power amplifier. This is keyed by TR3, so that only a few millamps flow in the key circuit. The layout of the circuit is not at all critical but if a printed circuit is used, a double sided board is recommended with the top, unetched side used as an earth plane.

Possible problems may be encountered if using very old, surplus xtals. If the oscillator is a bit sluggish starting, try changing the values of C1 and C2. Also, don't confuse ferrite toroids with dust iron toroids - they are different! (I am sure Colin would assist constructors with any problems. Ed).

Colin G3YEV

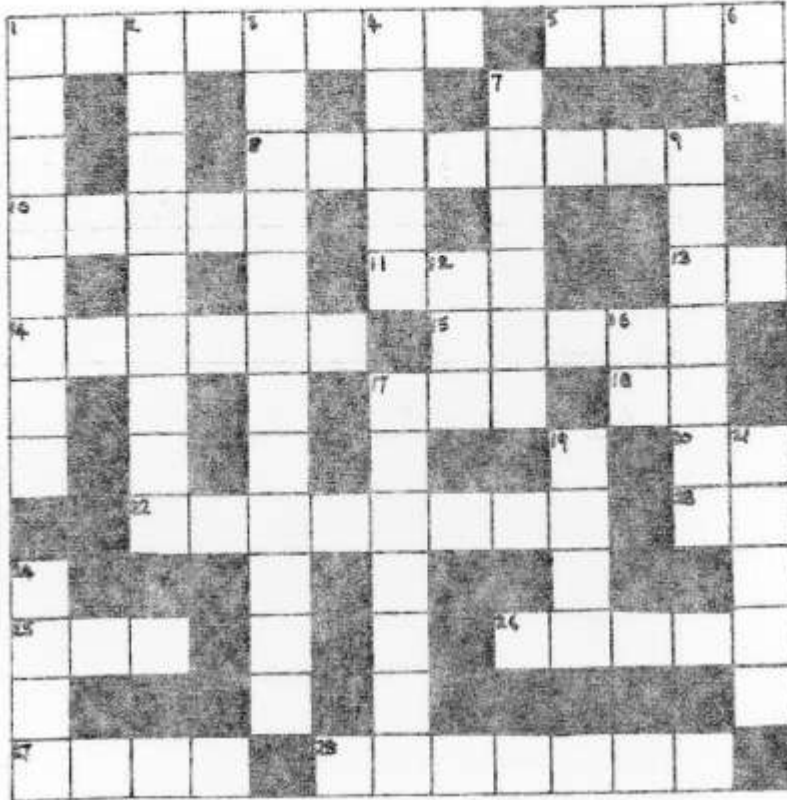


- TR1 BFY50, BFY51, BFT42, BFT43
- TR2 BFY51, 2N3553 (use a heatsink)
- TR3 2N6133, BD132 or similar pnp power transistor
- T1 5 turns each side of an FT23-61 ferrite toroid
- T2 14 turns on T-50-2 dust iron toroid
- L1 20 turns on FT-37-61 ferrite toroid

All resistors $\frac{1}{2}$ watt.

All capacitors polystyrene except 0.1uF which may be ceramic.

SARC Crossword



ACROSS

- 1 An antenna bought in the 'Progress' (8)
- 5 Beam (4)
- 8 Yaesu has lots of these! (8)
- 10 Americans use plates but we don't (5)
- 11 They made a very popular Mk.8 (3)
- 13 Some relays rest in this state (abbrev.) (2)
- 14 The club is like this most days (6)
- 15 A,AB,B,C (5)
- 17 G6HN (3)
- 18 Brazil (2)
- 20 Peru (2)
- 22 Part of a superhet (8)
- 23 Central African Republic (2)
- 25 Where the TV's are (abbrev.) (3)
- 26 Where the satellites are (5)
- 27 A 50 ohm resistor (4)
- 28 Is it C1 & R4 or R2 & D2?

DOWN

- 1 Modulators & mixers for instance (8)
- 2 Copper & Paxolin (9)
- 3 Type of receiver (12)
- 4 HB9CV match (5)
- 6 B.F.O.'s are on the same frequency (abbrev.) (2)
- 7 A welsh aerial (6)
- 9 A hot cycle! (7)
- 12 Phased locked loops have one (abbrev.) (3)
- 16 Poland (2)
- 17 They make capacitors (7)
- 19 L & C floating in mid air! (4)
- 21 Modify (5)
- 24 Lots of this used at field days (4)

Business Section

All of you at the AGM will know that the following were elected to serve in various capacities:

Chairman:	Bob Andrews	G4SWB
Secretary:	Ron Ford	G4GTD
Treasurer:	John Cook	G4GAP
Committee:	Colin Chidgey	G3YHV
	Roger Fry	G8WVY
	Pete England	G4OQW
	Steve Trott	G8JOC

It is hoped to have an RAR-class committee member.

New club members very welcome for subscriptions - £ 28; (£4 if doing RAR class).

Events

Annual Auction (X) 18 November 1983	Be talked out of your loot by BARS ex-Chairman Reg Gough.
CEGB film (15) 2 December 1983	Mega-amps and mega-volts Courtesy of G4GAP
Brains Trust (15) 16 December 1983	Can you fool the club boffins?
Beer and Skittles (PG) and buffet and raffle 7 January 1984	Royal Oak, Nalinee. 8 pm.

Classified ads. Free - see G4FRO.

Sale - 1949/53 QST. Valuable historical documents. G4FRO.

Wanted - 2 m 640 linear/psu or most bits. G4FRO.

News

COACH TRIP TO LEICESTER

37 people went on the coach to Leicester, on Saturday 29 October. A fine sunny day, for the journey and an excellent exhibition, enjoyed by all. Much money was spent!

My thanks to all those who went. Special thanks to Steve, G830E, for running the raffle and also thanks to Ted Knight for extracting much money from people for the raffle, (his name has been duly noted!), which helped us recover our losses. There will be more coach trips soon!

Bob G4BWB

SKEDS WITH MEMBERS

Skeds with Vince, G4RHL/MM. Details from Bob, G4BWB or Addy, G4AYB.

Skeds with Dave, A4XYJ, (G4DPJ), in Oman, details from John, G4DVV.

Both Vince and Dave look forward to speaking to any club member. It can be quite lonely when you're away from home!

