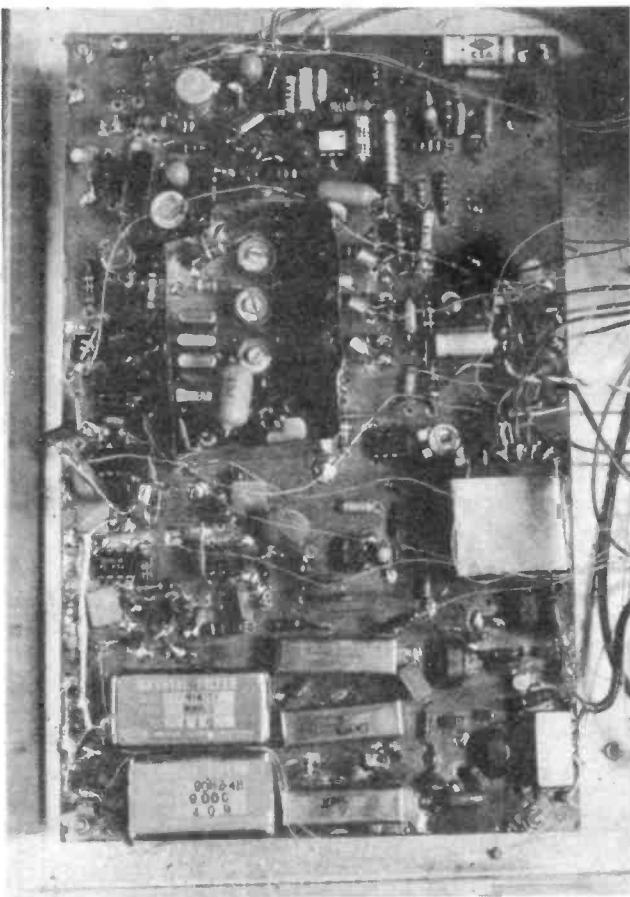


## COMPONENTS LIST

### Synthesiser Module

	R9	2.2K	Relay 1	12V miniature reed relay
	R10	22K	Relay 2	
	R11 to R14	22K	VR1	100K lin, high quality moulded track
	R15	1K		100nF
	R16	1.5K	C1 to C9	TCA see text
	R17	1.5K	C4	TCB see text
Q1 to Q3	BC108	390 (see text)	C5	TCC see text
Q4	2N3819	22K	C6	470pF
Q5 to Q8	BC108	22K	C7	100pF
Q9 to Q10	3SK51	22K	C8	56pF
Q11 to Q15	BD530	3.3M	C9	4.7uF 25V tantalum
D1 to D26	IN914	100K	C10	10nF
VC1	KV2115 (one section)	27K	C11	10nF
VC2	KV2225 (two sections)	10K	C12	10nF
IC1	HEF4750 Philips	18K	C13	10nF
IC2	HEF4751	470	C14	10nF
IC3	SP8690 Plessey	22K	C15	4.7uF
IC4	4049	1K	C16	330nF
IC5	741	22K	C17	10uF 16V tantalum
IC6	4049	1K	C18	1000pF
IC7	4011	82K	C19	100n
IC8 to IC12	4029	82K	C20	100n
IC13 to IC17	4016	100K	C21	47pF
IC18	4011	470K (preset)	C22	1000pF
IC19	4040	2.2K	C23	100n
IC20	SL560C Plessey	82K	C24	10n
IC21	4511	2.2K	C25	100n
LED 1	any	22K	C26	100n
ZD1	30V (27V + 3.3V) 400mW miniature glass	22K	C27	10n
ZD2	7.5V 400mV miniature glass	100K	C28	470n
ZD3	4.7V 400mV miniature glass	100K	C29	10n
R1	2.7K	6.8K	C30	10n
R2	150	220	C31	100n
R3	TRA, 18K (see text)	10K	C32	100n
R4	3.9K	100K	C33	100/16V
R5	1M	82K	C34 to C35	100n
R6	100K	1K	C36	10n
R7	4.7K	100		
R8	2.2K	220		
		270		
	R51 to R58			



The photograph (left) shows the IF transceiver board. The two crystal filters can be clearly seen.

The pre-selector unit is shown below. The extra capacitor sections were used to extend tuning range beyond 35MHz.

Next month:  
the transmitter  
section.

