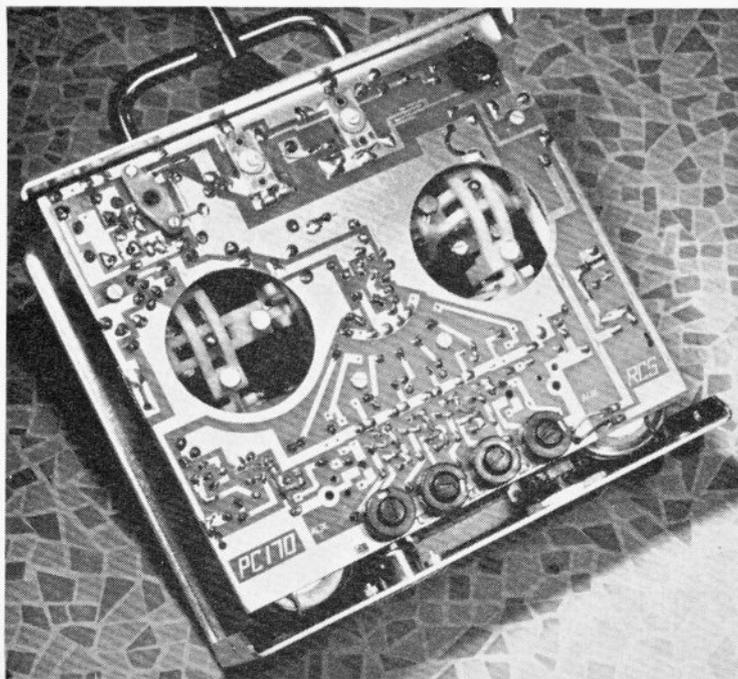




**RM** TEST REPORT

## The R.C.S. DIGIFOUR



IN line with the current trend of producing four channel proportional equipment at prices cheaper than for a five or six function outfit with four servos, RCS have recently announced their Digi-four outfit. This is their Digi-six transmitter and receiver, with the components which provide the two auxiliary channels omitted. As a result, the equipment can be converted to the increased number of functions at a later date if desired.

When RCS introduced the Digi-six about a year ago, they gave the equipment a face-lift and broke away from their silver hammer finish transmitters and black anodised receivers. The use of special plastic mouldings was a contributory factor here, and examples of these are to be found throughout the equipment. To mention a few, there are the special fittings on the transmitter, the receiver case with its snap-in lid, and the case for the Deac pack. The silver anodised transmitter case gives a pleasing and durable finish, rather than the somewhat utilitarian appearance of the earlier outfits. As supplied, the equipment comes complete with all

the accessories, neckstrap, frequency pennant, charging leads, servo mounting screws and a comprehensive instruction booklet.

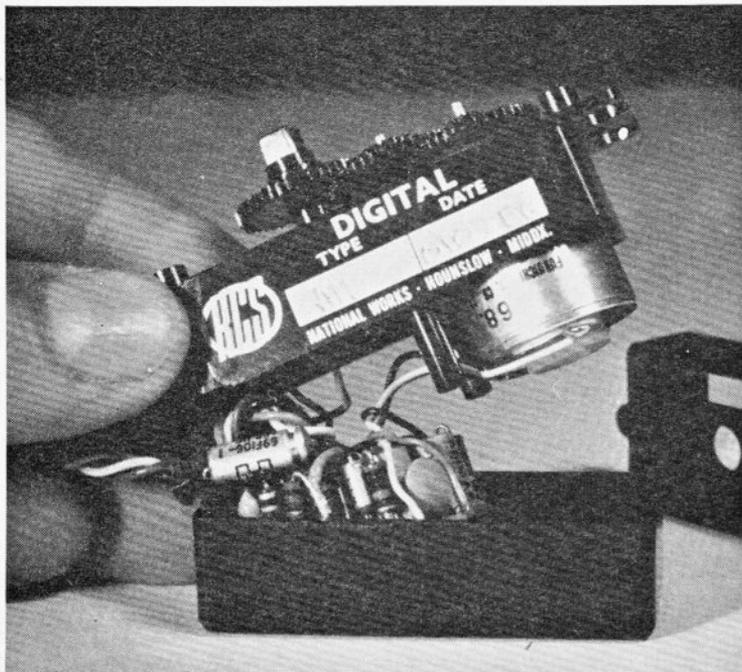
### Transmitter

This is housed in a two piece aluminium case of the usual folded construction and features Bonner stick assemblies, fitted with adjustable stick-ends. A meter is provided to indicate RF output and also to show when charging is taking place, sockets for connection to the built-in charger being situated in the base of the transmitter. A small point, but worth mentioning, is that rubber feet are fitted to both the back and the base of the transmitter.

Inside, the fibreglass PC board is mounted with components facing towards the front, carefully positioned so as to project between the stick mechanics and Deacs. This, together with the large cut-outs in the board for clearance and setting up of the stick unit moving parts, results in a transmitter of very small overall depth.

The encoder circuits are situated on the bottom area of the PC





demand. An S.C.S. decoder probably takes about 30mA. less than the equivalent micrologic type, reducing average consumption from 250mA to 220mA. In return for this, microcircuits offer greater reliability over a wider temperature range and are gener-

ally more robust than discrete components.

Prior to leaving the R.C.S. factory, all outfits are given a vibration test and temperature cycle before carrying out a full range check. In this way, R.C.S. aim to ensure that no outfit leaves the

factory unless it is 100 per cent up to specification.

### Summary

Our overall impression is that a lot of detail design has been put into this outfit to maintain a consistent performance under all conditions. We particularly like the special R.C.S. miniature plugs and sockets and the heat shrink sleeving termination of the 14 strand wire, eliminating a source of trouble in a high vibration environment. The standard of soldering is high throughout. The instruction book is well written and illustrated. Bearing in mind the quality of this outfit and the completeness with all the ancillaries provided, it represents very good value at £150.

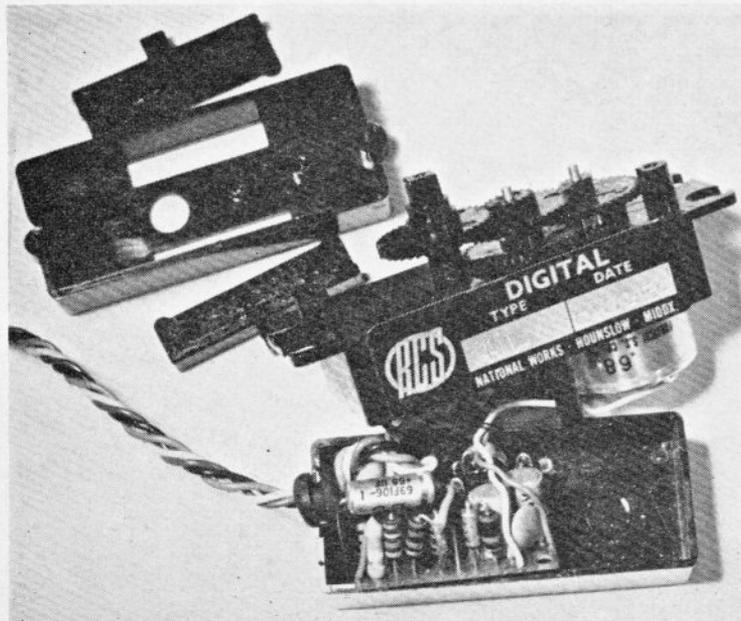
We normally test fly equipment when possible, but as the Digi-four is basically identical to the Digi-six (less the two auxiliary functions) which we have used for almost a year now with every satisfaction, in this case such a test was superfluous.

### Manufacturer.

Radio Control Specialists,  
National Works, Bath Road,  
Hounslow, Middlesex.

### Price.

As described and complete with all batteries and accessories the Digi-Four costs £150.



## TECHNICAL DATA

### TRANSMITTER

Size:  $2\frac{1}{2} \times 6 \times 6\frac{1}{2}$  in.  
Case: 16swg Aluminium, shot-blasted and silver anodised.  
Aerial: 6 section telescopic, 12in. retracted, 67in. extended.  
Voltage: 9.6v. Deacs.  
Test Voltage: 9.8v.  
Current: 160mA. No change on retracted aerial.

### RECEIVER

Size:  $2\frac{1}{2} \times 1\frac{11}{16} \times \frac{3}{4}$  in.  
Case: Nylon moulding with snap-in aluminium lid.  
Aerial: 36in. stranded wire.  
Weight:  $2\frac{1}{2}$  ounces.

### SERVOS

Size:  $2\frac{1}{16} \times \frac{7}{8} \times 1\frac{1}{2}$  in. Mounting flanges project  $\frac{1}{4}$  in. at each end.  
Case: Black nylon moulding.  
Weight: 2oz.  
Linear Travel:  $\frac{1}{4}$  in.  
Rotary Travel:  $45^\circ$  each way.  
Average thrust on linear output: 4lb. 12oz.

### AIRBORNE SYSTEM

Voltage: 4.8v.  
Weight: 15oz. (500 DEAC).