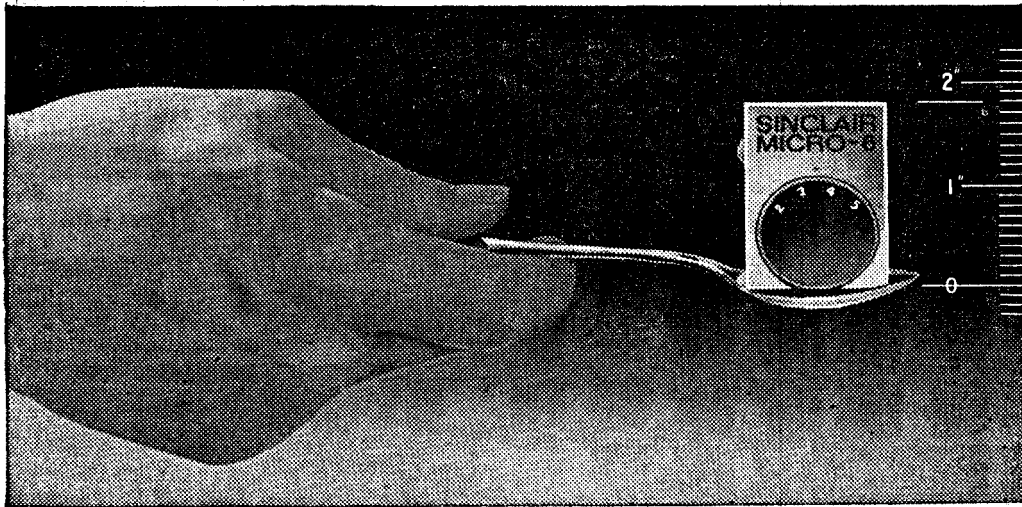


# THE SMALLEST



*A teaspoonful of power!*

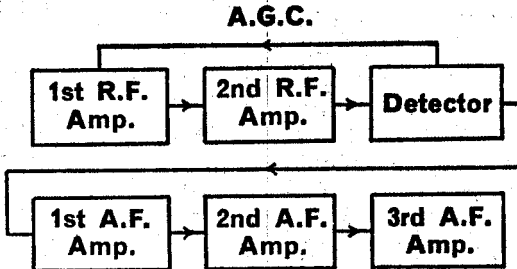
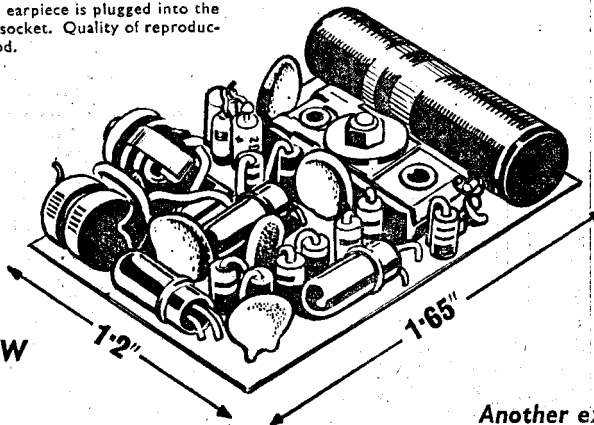
## TECHNICAL SPECIFICATION

The Sinclair Micro-Six comprise two stages of R.F. amplification with double diode detector. These are followed by three stages of audio amplification. The application of negative feedback to all three A.F. stages ensures ultra-linear amplification, while amplified A.G.C. applied to the first R.F. stage provides fade-free reception from distant stations such as Luxembourg. Sensitivity is actually superior to that of conventional radios many times larger. The Micro-Six tunes over the entire medium waveband with increased coverage at the high frequency end to provide improved separation of Continental stations. The set switches on automatically when the high-impedance featherweight earpiece is plugged into the specially designed micro socket. Quality of reproduction is exceptionally good.

### POWER REQUIREMENTS

A Mallory Mercury Cell Type ZM.312, the world's smallest battery, will give approximately 6 months' life, costs 1s. 11d. and is readily available. Two can be accommodated for still greater power and sensitivity if desired.

**CHASSIS VIEW GREATLY ENLARGED**



Block diagram of Sinclair Micro-Six

**6-STAGE SENSITIVITY BETTER THAN MANY SUPERHETS**

**UNIQUE CIRCUITRY GIVES IMMENSE POWER AND QUALITY**

**PLAYS IN CAR, BUS, TRAIN, PLANE**

**CHOICE OF MANY STATIONS**

**BATTERIES AND AERIAL COMPLETELY SELF-CONTAINED**

*Another exclusive Sinclair design*

# SET IN THE WORLD

## A fantastic advance in micro-miniaturisation

Just look at the remarkable specification of this latest Sinclair micro-electronic design—and then look at its size— $1\frac{1}{2}$  x  $1\frac{3}{10}$  x  $\frac{1}{2}$  in. It is almost unbelievable that a set with these tested and proven standards of performance can be contained within a case considerably smaller than a matchbox. Yet it gives superb results from stations all over the medium waveband with a power and sensitivity placing it years ahead of anything even the Japanese have produced. This is a professionally styled set brilliantly designed by the Sinclair research team to incorporate all the important circuit features of a de-luxe receiver. You will find building the Micro-Six the most absorbing experience you have ever had in electronics. So send for your Micro-Six today, and you will have for your pride and pleasure the smallest and most efficient receiver of its kind in the world.

### SINCLAIR GUARANTEE

Should you not be completely satisfied with your purchase (although we are confident that you will be delighted) the full purchase price will be refunded instantly without question.

FULL SERVICE FACILITIES AVAILABLE TO ALL SINCLAIR CUSTOMERS

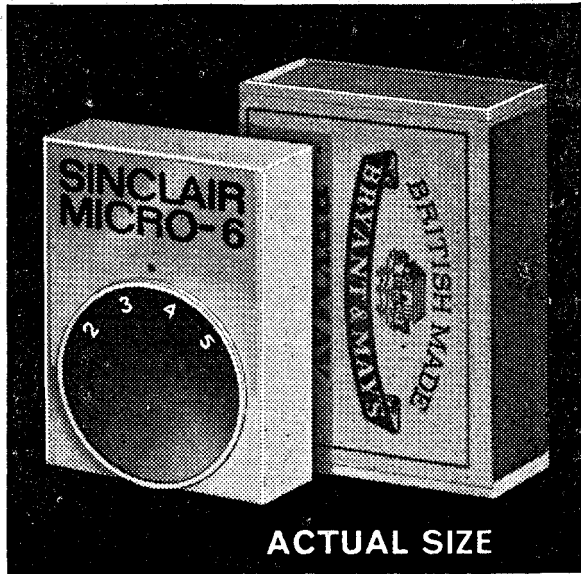
# SINCLAIR MICRO-6

★ MORE SINCLAIR DESIGNS ON NEXT PAGE

## SINCLAIR RADIONICS LTD.

### 69, HISTON ROAD, CAMBRIDGE

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ACTUAL SIZE

ONLY  $1\frac{1}{2}$ " x  $1\frac{3}{10}$ " x  $\frac{1}{2}$ "

## ALL YOU WANT TO BUILD THE SINCLAIR MICRO-6

All parts necessary to build this wonderful receiver, including MAT transistors, diodes, micro-miniature components, printed circuit board, special ferrite-rod aerial, elegant case and knurled dial and featherweight hi-fi quality earpiece together with well presented instructions come only to

# 59/6

Mallory Mercury Cell, Type ZM.312, 1s. 11d. each

### IMPORTANT NOTICE

The Sinclair Micro-6 is an ultra-small precision designed instrument. As such, previous experience in transistor building will be found helpful. It is imperative that a modern miniature soldering iron be used when building the set.

To Sinclair Radionics Ltd., 69 Histon Rd., Cambridge

Please send parts for building.....Micro-6 Receiver(s)  
and.....Mallory Cells, Type ZM.312 at 1s. 11d. ea. for  
which I enclose £.....s.....d.

NAME .....

ADDRESS .....

PW.3 .....

# MORE SINCLAIR DESIGNS FOR THE TRANSISTOR ENTHUSIAST

## THE Sinclair "SLIMLINE" THE EASY-TO-BUILD MICRO-RECEIVER THAT GIVES YOU EUROPE in the PALM of YOUR HAND

Here's the set to start you in micro-electronic building. For **POWER, SELECTIVITY** and **QUALITY**, it is unsurpassed in its class, yet it is actually smaller than a standard packet of 20 cigarettes! Such exciting standards are due entirely to exclusively developed Sinclair circuitry—yet it costs so very little to build this wonderful receiver. It gives you Home, Light and Third Programmes and other stations with amazing ease, playing even in cars and trains. For a brand new concept in radio listening, **BUILD A SLIMLINE NOW**—it's fascinatingly easy even if you have never built a set before in your life. Size  $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$  in.

With MAT transistors, featherweight hi-fi quality earpiece, all parts, royal blue and gold case and instructions, it costs only

**49/6**



### SMALLER THAN A 3d. PIECE SINCLAIR MICRO-AMP



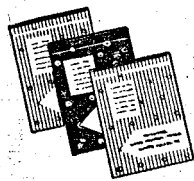
Makes an ideal broadband R.F. Amplifier and outperforms amplifiers 20 times larger. With a frequency response from 30 to 50,000 c/s,  $\pm 1$  dB, and power gain of 60 dB (1,000,000 times) it can be used as a sub-miniature hi-fi amplifier with an output suitable for any earpiece or even loud-speaker. Also makes an invaluable tool in the hands of the keen experimenter. 40 dB gain at 1 M/c.

Build it for only

**28/6**

The Sinclair Micro-amp is now widely used throughout the Electronics Industry.

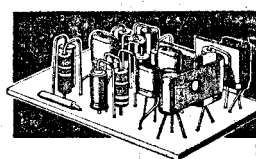
#### BOOKS FOR BUILDERS



**GENERAL**  
"22 Tested Circuits using Micro-Alloy Transistors" *Post free* 5/6  
**SHORT WAVES**  
"Tested Short Wave Receivers, Using MATs." *Post free* 5/6  
**S.W. & COMMUNICATIONS**  
"Tested Superhet Circuits for Shortwave and Communication Receivers, using MATs." *Post free* 6/6  
**SPECIAL PRICE FOR 3 TOGETHER..... 16/-**

### SINCLAIR QUALITY TRANSISTORS

MAT 100 High gain low level .....	7/9
MAT 101 Extra high gain, low level .....	8/6
MAT 120 High gain, medium and high level .....	7/9
MAT 121 Extra high gain, medium and high level .....	8/6
ADT.140 FOR V.H.F. and U.H.F. Suitable for F.M., T.V., V.H.F. and U.H.F. frequencies Typical alpha cut-off of 400 Mc/s .....	15/-



### SINCLAIR TR.5 VERSATILE 1/2 WATT AMP WITH PRE-AMP STAGE

For a perfectly clean half watt of audio power even from very low output tape heads, pick-ups and microphones. Ready built with instructions and unconditionally guaranteed.

**CIRCUIT**—5 matched transistors and temperature compensating diode in a transformerless complementary-symmetry configuration.

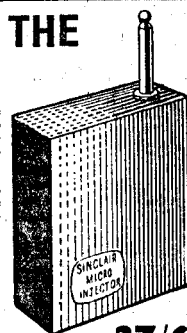
**POWER OUTPUT**—300 mW into 15 ohms.

**SENSITIVITY**—0.5 mV.

**POWER GAIN**—80 dB (100 million times)  
**FREQUENCY**—50 c/s to 20 kc/s  $\pm 3$  dB.  
**SIZE**— $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$  in.  
**POWER REQUIREMENTS**—3V.  
**READY BUILT AND TESTED** 59/6

### FAULT TRACING THE MODERN WAY

Here is the modern and efficient way to trace faults in valve and transistor audio and radio equipment of all kinds. This precision sub-miniature instrument generates and injects a signal into any part of the equipment to be tested at a frequency from 1 Kc/s to 30 Mc/s. The 6d. standard battery which it uses will last for about 6 months. Building is extremely easy with the help of the instructions provided. With neat, well-made plastic case and all parts except battery.  $1\frac{1}{2}$  in. x  $1\frac{1}{2}$  in. x  $\frac{1}{2}$  in., plus probe  $\frac{3}{4}$  in. long.



### BUILD YOUR OWN SINCLAIR MICRO-INJECTOR AND SAVE POUNDS

Also available ready built and tested, 32/6.

**27/6**

Sinclair Radionics Ltd., 69 Histon Rd., Cambridge

Please send.....

..... For which I enclose £.....s.....d.

NAME .....

ADDRESS .....

PW.3 .....

### SINCLAIR MICRO-6—See preceding 2 pages

- ALL ITEMS FULLY GUARANTEED
- FULL SERVICE FACILITIES AVAILABLE
- PROMPT ATTENTION TO ALL ORDERS

## SINCLAIR RADIONICS LTD

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