

Read what Constructors say about the Micro-6

Plays down tunnel!

From Abbey Wood, London, S.E.2

"I think you may be interested to know that the Micro-6 will receive the Home Programme 20ft. inside the North entrance to Blackwall Tunnel. Please find enclosed order and cheque for my 4th Micro-6".

(Signed) D.B.P.

Built in record time!

From Coventry

"I am delighted with reception. Last night I was surprised to hear the Light Programme and Luxembourg. The volume of the Third Programme and Midland Home Service is such that the receiver must be turned on edge to ensure comfortable listening. Once more I must congratulate you on this excellent set which I put together with no trouble at all in less than an hour and a half."

(Signed) J.L.P.

Good reception in Bristol

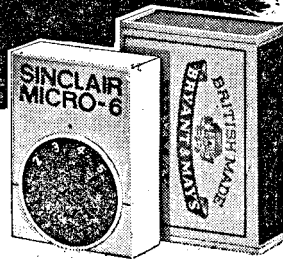
"Was very pleased with the performance, the local stations coming in loud and clear with a fair sprinkling of foreign stations as well as including Luxembourg."

(Signed) L.W.A.

CHANGE OF ADDRESS

Demand for Sinclair products has grown so enormously that we have been obliged to move to bigger premises. With more space and staff, the delays experienced in the past by some customers will be no more. We offer them our apologies and assure them that Sinclair service is now back to its normal high level.

PUT EUROPE IN YOUR POCKET WITH THE SMALLEST RADIO SET ON EARTH!



- ★ AN ALL-BRITISH DESIGN
- ★ WEIGHS LESS THAN 1oz.
- ★ ANYONE CAN BUILD IT IN A SINGLE EVENING
- ★ WITH BAND-SPREAD TUNING FOR EASY RECEPTION OF LUXEMBOURG

When you have built your Micro-6, slip it into your pocket or on your wrist by means of the special "Transrista" strap available. No matter where you take your Micro-6, you will be staggered by its performance. In fact it will be so powerful and dependable, you will find yourself using and enjoying it more and more each day. After dark, as you tune by means of the unique vernier-type control, stations simply pour in from all over Europe, and with bandsread tuning at the high frequency end of the medium waveband, Luxembourg comes in like a local station. **THE SINCLAIR MICRO-6 IS A GREAT TRIUMPH OF BRITISH DESIGNING FAR AHEAD OF ANYTHING PRODUCED IN JAPAN, U.S.A., GERMANY OR ANYWHERE ELSE. IT MEASURES ONLY 1 1/5 x 1 3/10 x 1 1/2 ins.**

All parts, including 8 page instructions manual and ear-piece come to

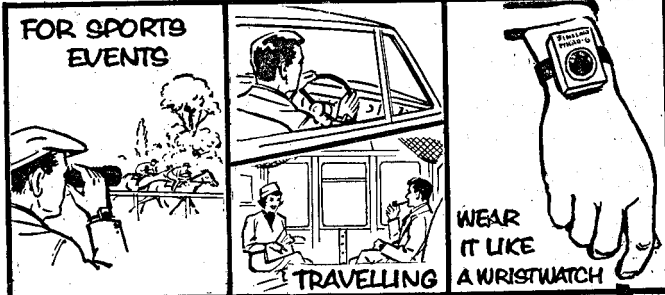
59/6

"Transrista" Nylon Wrist-strap with special fitting for holding Micro-6; well-made in black or grey nylon

7/6

Mallory Mercury Cell, type ZM312 (2 required), each

1/1ld.



SINCLAIR RADIONICS LTD

COMBERTON, CAMBRIDGE

Telephone COMBERTON 682

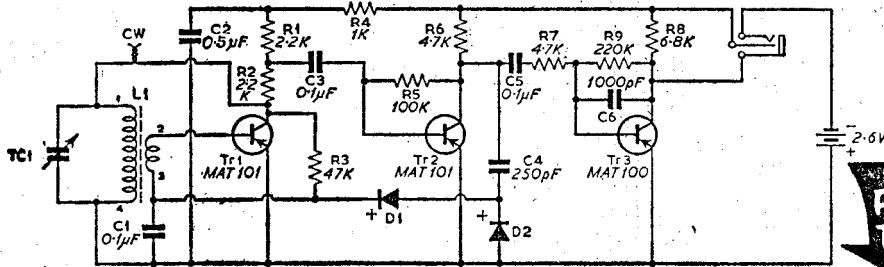
The Secret is in the Circuit See next pages

SINCLAIR MICRO-6

THE WORLD'S SMALLEST RADIO

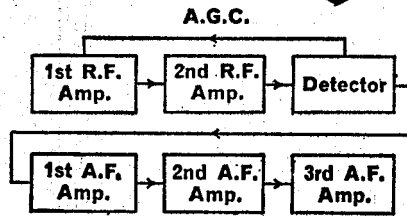
6 STAGES FROM ONLY 3 TRANSISTORS

IN A CIRCUIT THAT ONLY UNIQUE MATS AND APPLIED RESEARCH MAKE POSSIBLE



The most advanced radio circuit ever made available to constructors

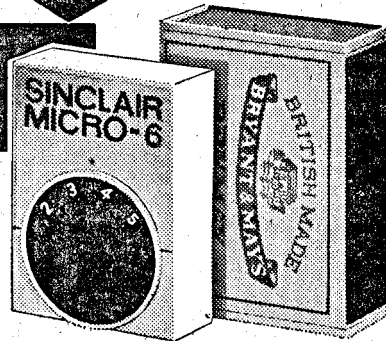
The Micro-6 uses three Micro-Alloy Transistors (MATs) in a unique double reflex circuit. The signal selected by L1 and TC1 is amplified at R.F. by Tr1 and Tr2. The output from Tr2 is rectified by the detector stage D1 and D2, and the resultant A.F. signal passed back to Tr1. Tr1 and Tr2 then amplify the signal again—this time at A.F. Thus both Tr1 and Tr2 have been used twice and give a gain normally only obtainable with four transistors. The output from Tr2 drives Tr3, the output stage, which feeds into the featherweight earpiece (or the TR 750 power amplifier.) Tuning is over the medium waveband with bandspread for easy reception of Luxembourg and A.G.C. eliminates fading. It is important to realise that the Micro-Alloy Transistors which the Micro-6 uses not only give extremely high gains and low noise levels, but they consume only a fraction of a mA from the two minute batteries used to power the set. Battery working life is over 70 hours!



YOU CAN BUILD THIS SET IN AN EVENING!

The Micro-6 is simplicity itself to build when you follow the meticulously detailed instructions. No special tools are required to build it. All parts including three MAT transistors, two diodes, elegant white and gold case, lightweight earpiece and 8 page instructions manual come to

59/6



"TRANSRISTA" STRAP for wearing your Micro-6 on the wrist. Black or grey nylon

7/6

Mallory Mercury Cell type ZM312 (two required) each
Pack of six — 10/6

1/11

SINCLAIR MICRO-6

SINCLAIR RADIONICS LTD., COMBERTON, CAMBRIDGE Telephone COMBERTON 682



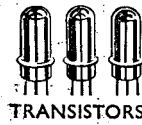
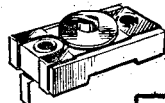
..... AND IT'S BRITISH!

THE MICRO-6 uses the smallest components ever

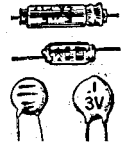
We show here some of the components (apart from case, dial and earpiece) required for building the Micro-6, drawn to actual size. They include the smallest ever to be made available to domestic set constructors, being of the kind used in space and computer electronics, so they have to be reliable. The tuning system has ingenious vernier control for easy station separation. 8 page fully illustrated instruction manual and all parts including case, vernier dial and earpiece, come to

59/6

CAPACITORS

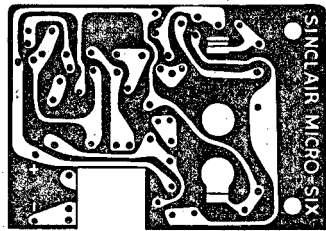


TRANSISTORS



RESISTORS

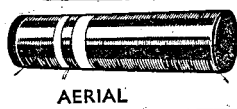
DIODES



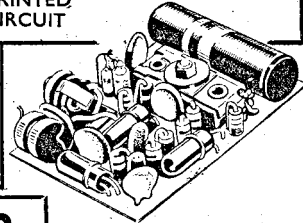
PRINTED CIRCUIT

SINCLAIR MICRO-SIX

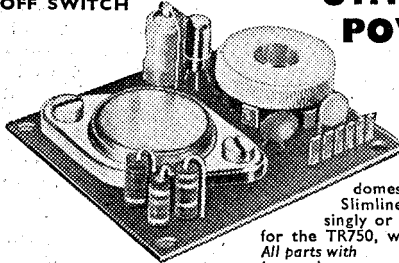
BATTERIES



AERIAL



COMPLETE WITH BUILT-IN VOLUME CONTROL AND ON/OFF SWITCH



SINCLAIR TR750 POWER AMPLIFIER

PERFECT FOR USE WITH THE MICRO-6 AND SLIMLINE

Measuring only 2 x 2 in. and having its own built-in volume control and on-off switch, the TR 750 has a full 750 milliwatt transformer less output for 10mV into 10K ohms. Frequency response is from 30 to 20,000 c/s within ± 1 dB. This amplifier makes a powerful car, domestic or portable radio used with the Micro-6 or Slimline receivers, or a hi-fi record reproducer used singly or paired for stereo. There are many other uses for the TR750, which is available for building or ready built.

All parts with instructions come to

39/6

Ready built and tested **45/-**

UNIQUE SINCLAIR GUARANTEE

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

FULL SERVICE FACILITIES ALWAYS AVAILABLE TO SINCLAIR CUSTOMERS

SINCLAIR INJECTOR

Generates and injects a test signal into any part of equipment at any frequency from 1 kc/s to 30 Mc/s to locate faults rapidly. $1\frac{1}{2} \times 1\frac{3}{10} \times \frac{1}{2}$ in. excluding probe. With full instructions. Invaluable to all constructors. Parts and instructions come to

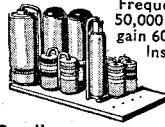


27/6

Ready built

32/6

Build an F.M. Transmitter with the Sinclair Micro-amplifier



Smaller than a 3d. piece Parts and instructions come to **28/6**

Smaller than a 3d. piece! Frequency response 30 to 50,000 c/s ± 1 dB. Power gain 60dB, 1,000,000 times. Instructions show you how to make a broadband R.F. amplifier, F.M. transmitter or a sub-miniature hi-fi amplifier with an output suitable for any earpiece or even loudspeaker.

SINCLAIR SLIMLINE

EXTRA EASY TO BUILD

Ideal for newcomers. Has self-contained ferrite rod aerial and takes standard PP5 battery, yet measures only $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ in. Tunes over the medium waveband. Great power and quality. All parts including royal blue and gold case, earpiece and instructions come to



49/6

TO SINCLAIR RADIONICS LTD., COMBERTON, CAMBRIDGE

Please send items detailed below

£ s d

Phone: COMBERTON 682

NAME

ADDRESS

TOTAL £

BLOCK LETTERS

P.W.9

For which I enclose cash/cheque/monies order