RADIO AND ELECTRON/Cs



JULY 1949

IN THIS

TELEVISION RECEIVERS TUNABLE



What it does

It has been specially designed to alleviate interference caused by radiation from electricallyoperated transport, vehicle ignition systems, electrical appliances
using commutator motors, lighting systems, etc. A high signal
level is obtained and this ensures better listening on all broadcast
wave-lengths, giving maximum choice of programmes against a
quiet background.

What it is

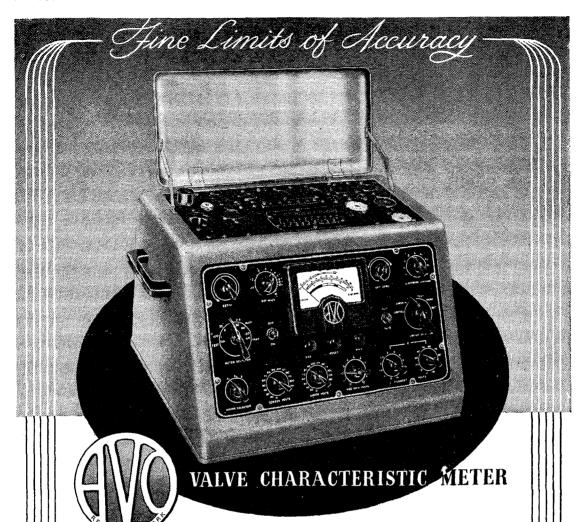
A 60-ft. polythene-protected dipole complete with insulators and matching transformer, 80-ft. coaxial screened downlead with polythene plug moulded to each end, and a receiver transformer. All the necessary components for the Acrial are included in the complete kit.



Write for Publication No. 2218 giving further information.

Obtainable only from recognised dealers. £6.18.0

BRITISH INSULATED CALLENDER'S CABLES LIMITED NORFOLK HOUSE, NORFOLK STREET, LONDON, W.C.2



A comprehensive instrument built into one compact and convenient case, which will test any standard receiving or small power transmitting valve on any of its normal characteristics under conditions corresponding to any desired set of D.C. electrode voltages. A patented method enables A.C. voltages of suitable magnitude to be used throughout the Tester, thus eliminating the costly regulation problems associated with D.C. testing methods.

A specially developed polarised relay protects the instrument against misuse or incorrect adjustment. This relay also affords a high measure of protection to the valve under test. Successive settings of the Main Selector Switch enable the following to be determined:-

Complete Valve Characteristics including Ia/Vg, Ia/Va, Is/Vg, Is/Va, Amplification Factor, Anode A.C. Resistance, 4 ranges of Mutual Conductance covering mA/V figures up to 25 mA/V at bias values up to $-100 \, V_{\bullet,\bullet}$ together with "Good/Bad" comparison test on coloured scale against rated figures.

"Gas" test for indicating presence and magnitude of grid current, inter-electrode insulation hot and cold directly indicated in megohms, separate cathode-to-heater insulation with valve hot. Tests Rectifying and Signal Diode Valves under reservoir load conditions, and covers all the heater voltages up to 126 volts.

The AUTOMATIC COIL WINDER & ELECTRICAL EQUIPMENT CO., LTD.

WINDER HOUSE, DOUGLAS STREET, LONDON, S.W.1.

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sion Electrical Testing Instruments

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Attention to details of manufacture and assembly; revolutionary design and the provision of highly accurate specially designed jigs, ensure that in each R. & A. Reproducer the cone, voice coil centre and outer pole are inevitably and automatically aligned upon the axis of the speaker. This is why R. & A. Reproducers are free from mechanical defects. Continuous inspection at all stages is a further insurance that no defect can be present in the complete speaker.

"Radio Times," Sept. 24, 1948

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Telephone Wolverhampton 22241 Telegrams "Audio Wolverhampton"







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G.P. 12 high fidelity model with permanent sapphire stylus. Output 1 volt at 1,000 c/s; range 30 — 14,000 c/s.

G.P. 15 Microcell cartridge for microgroove or standard 78 rpm recordings.

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For acoustic measurements, industrial noise measurement, disc recording technique, and P.A. systems.

Type MIC 16 (illustrated)

High fidelity model with flat response from 30 to 10,000 c/s.

Type MiC 22

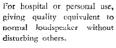
General purpose model with substantially flat response from 40 to 8,000 c/s.

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PILLOTONE "Individual" LOUDSPEAKER

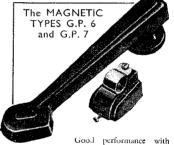


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exceptionally robust construction. Range 100 — 4,500 c/s.

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Type 36EHT rectifier. Two such units only $2\frac{1}{2}$ long by $\frac{7}{16}$ dia. will give an output of 5.3kV.

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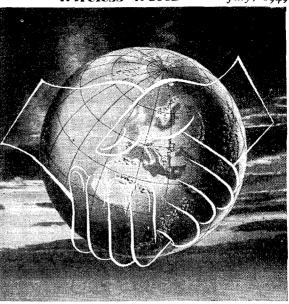
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Full details forwarded on request.

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AN ATTEMPT TO REALISE AN IDEAL

In the High Quality World, let us commend Patience, Perseverence, and Good Temper above all; but also Skill and Intelligence.

The ultimate performance of a speaker unitespecially if it is a very good one-depends as much on the intelligence of the user as on the skill of the designer.

If you are a true quality enthusiast, perseveringly pursuing an Ideal, then we know we can help you.

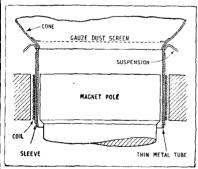
To readers in the North West, we demonstrate the 148A and discuss its best possible use.

J. H. BRIERLEY (Gramophones and Recordings) LTD., 46 Tithebarn Street, Liverpool, 2

In December 1947 we were complimented by the Wireless World on some features of the Barker 148. These were: the excellent balance at comparatively low levels; the homogeneity of high frequency response; low frequency response sensibly uniform down to 40 c/s with no major bass resonance.

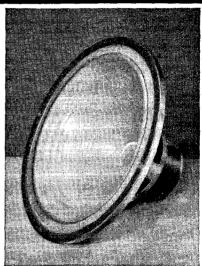
Of the new 148a, with its better magnet and new cone treatment, owners and critics have remarked: the attack and transient response give the impression of contrast expansion; so wide a range of frequencies with apparent evenness of output produces an aural naturalness which has to be heard to be appreciated; it is the best baffle loaded speaker we have ever heard.

We ourselves believe it to be the most NATURAL, satisfyingly truthful and pleasant to live with sound reproducer made anywhere.



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The 148a is being sent to many countries overseas.

EXPORT ENQUIRIES INVITED

AI WAYS THINK OF GOODSELL CTO. See. our FOR STANDARD Advt. AND SPECIAL on page 10 HIGH FIDELITY AMPLIFIERS

WEBB'S RADIO invite you to hear the "Barker 148A" in our demonstration room, from radio or the Brierley pick-up. You will doubtless endorse our opinion that this is an outstanding loud-speaker.

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SMALL OSCILLOSCOPE AND WOBBULATOR

Specially designed for Service Engineers

Oscilloscope Type 1/B

Time-base: 10-350,000 c/s. X.Plates: Direct or Amplified. Y.Plates: Direct or Amplified.

Miniature Valves and I1 diameter

Dimensions: Height 7\frac{3}{4}" Width 5\frac{1}{2}" Depth II" Wobbulator Type 1/B

200-250V. Separate Power Supply:

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Output Voltage: 4V. R.M.S. Nominal Frequency: 1.2 Mc s.

Frequency Deviation: 0 to + 40 Kc/s. Dimensions: Height 23" Width 53"

Depth II"

The two units clip together and are priced at ONLY £20

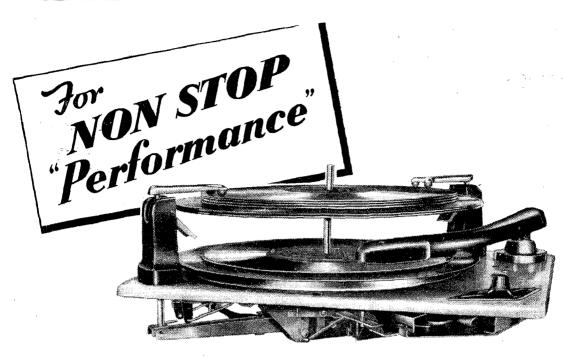
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