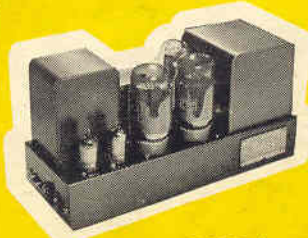


Hi Fi

1957

YEAR BOOK



QUAD II
MAIN AMPLIFIER



QUAD II
CONTROL UNIT



QUAD
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LOUDSPEAKER



ACOUSTICAL
F.M. TUNER

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MOTORS · TUNERS · TAPE RECORDERS**

10/6

Hi-Fi Year Book

————— 1957 Edition —————

Editor - - MILES HENSLOW



Published by:

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99 MORTIMER STREET - - LONDON, W.1

Lowther-Murray Transistor Control Unit No. 3. Inputs 5 mV, low imp. 5-50 ohms. Imp. matching transistor control unit with corrections for connection to normal "Radio" position. 4 pos. sel. off, R.I.A.A., ffr 78, mic. H.D. nil. H and N no hum, less noise than record or radio background. Size approx. 3½ in. by 3½ in. by 6 in. Weight 2 lb. To operate with any power amp. Price (tentatively) £10 10s.

★

Pamphonic Reproducers Ltd., 17 Stratton Street, W.1. Tel.: Grosvenor 1926.

1003 Self-contained Control Unit and Power Amp. 5 pos. sel. (3 gram.), treble, bass, vol. 10 watts. Dist. at 1,000 c.p.s., 0.5% at 8 watts. Input for spec. output 2.5 mV-100 mV according to input selected. Response substantially flat 20-50,000 c.p.s. Feedback 20 dB. N.L. mic. - 53 dB. P/U - 54 dB, radio/tape - 65 dB. Out. imp. 3.5 and 15 ohms. Output 6AQ5's. Ultra-linear. Size 15 in. by 7 in. by 9¼ in. Weight 20 lb. Price £28 7s.

1004 Self-contained Control Unit and Power Amp. Separate controls for bass, treble, volume and loudness (contour), and input selection. Plug-in gram. attenuation. 10 watts. Dist. at 1,000 c.p.s., 0.5% at 10 watts. Input voltage for spec. output mic. 2.5 mV; tape/radio 100 mV; P/U 12-15 mV. Response substantially flat 50-50,000 c.p.s. Feedback 20 dB. N.L. mic. - 53 dB, P/U - 54 dB. Out. imp. 3.5 and 15 ohms. Output 6 BW6's. Ultra-linear. Price £26 5s.

1002A Control Unit. Inputs: 3-120 mV (depending on input used). 6 pos. sel. (3 gram.). Cut-off filter 4, 7, 12 Kc/s and "out." Terminals for tape input. N.L. 60 dB below 0.5v P.a.t. Size 10½ in. by 3½ in. by 4 in. Weight 2 lb. To operate with 1002 power amp. Price £12 12s.

1002B Control Unit. Inputs: mic. 2-3 mV, radio/tape 60 mV; P/U 6-8 mV. Push-button sel. 9 pos. (6 gram.). Cut-off filter 4, 7, 12 Kc/s and "out." Terminals for tape input. H and N 60 dB below 0.5v. P.a.t. Size 10¼ in. by 4¼ in. by 7¼ in. To operate with 1002 power amp. Price £25 4s.

1002 Amplifier. 25 watts. Dist. at 1,000 c.p.s., 0.05% at 15 watts. Input for spec. output 0.35v for 15 watts. Response substantially flat 2-100,000 c.p.s. Feedback 28 dB. N.L. 90 dB below full output.

Out. imp. 3.75, 6.6, 10, 15 ohms. Output 2 KT66's. Ultra-linear. Size 13 in. by 10 in. by 7 in. Weight 29 lb. To operate with 1002A or 1002B control units. Price £29 8s.

2001A Control Unit. Inputs: 3-120 mV depending on input. 6 pos. sel. Pre-set level control for tape/radio. Cut-off filter at 4, 7, 12 Kc/s and "out." Loudness control. Tape input sockets. H and N 60 dB below 0.5v. P.a.t. To operate with 2001 power amp. Price not yet announced.

2001 Amplifier. 25 watts. Dist. at 1,000 c.p.s., 0.05% at 15 watts. Input for spec. output 0.5v. Response substantially flat 2-100,000 c.p.s. Feedback 28 dB. N.L. 90 dB below full output. Out. imp. 3.75, 6.6, 10 and 15 ohms. Output KT66's. Ultra-linear. To operate with 2001A control unit. Price not yet announced.

★

Pilot Radio Limited, Park Royal Road, London, N.W.10. Tel.: Elgar 7353. Cables: Piloset, London.

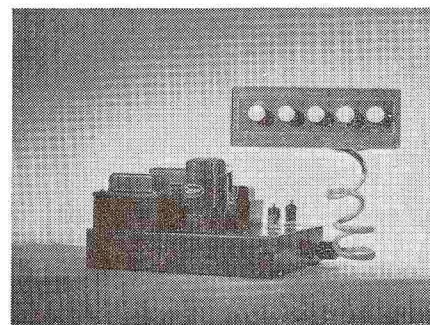
HFAII Self-contained Control Unit and Power Amp. Inputs: P/U 3 mV; tuner, tape, aux. 150 mV. 7 pos. sel. (4 gram.). Switched scratch filter. Switched rumble filter. Treble, bass, loudness and volume. Tape input socket. 10 watts output. Dist. < 1% over full frequency range at full power. < 0.1% at 4 watts. Response 20-20,000 c.p.s. ± 1 dB. Feedback 21 dB. N.L. 80 dB below full output. Out. imp. 3, 8 and 15 ohms. Output EL84's. Ultra-linear. Price not yet announced.

★

Pye Limited, Radio Works, Cambridge. Tel.: Cambridge 85985. Cables: Pyrad, Cambridge.

HF5/8 Self-contained Control Unit and Power Amp. HF5/8W in cabinet. Inputs: tape 100 mV; radio 100 mV; mic. 4 mV; P/U max. sens. 18 mV dependent on P/U compensator used. 7 pos. sel. (4 gram.), treble, bass, vol., loudness on/off. Tape input socket. H and N, tape/radio/mic. - 60 dB. P/U - 55 dB at 5 watts. 5 watts nom. and 8 watts max. output. Dist. 0.3% at 5 watts. Response 2-50,000 c.p.s. ± 2 dB. Feedback 24 dB. Variable pos. feedback by means of manual control. N.L. - 70 dB at 5 watts. Out. imp. 3.75 and 15 ohms. Output EL90's. Size 14½ in. by 10½ in. by 6½ in. Weight 20 lb. Price HF5/8 £26 5s.; HF/8W £31 10s.

Pilot HFAII combined control unit and amplifier (right)



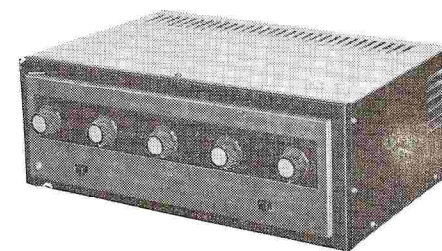
Pamphonic 2001A control unit and 2001 amplifier



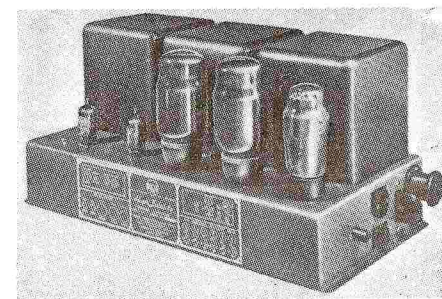
RCA control unit

Proctor HF25A Control Unit. HF25AW in cabinet. Inputs: tape 120 mV; radio 120 mV; mic. 3 mV; P/U max. sens. 8 mV dependent on P/U compensator used. 7 pos. sel. (4 gram.), treble, bass, vol. and on/off. Switched filter 4, 7 and 12 Kc/s and "out." Tape input socket. H and N - 60 dB on 0.5v. Size 10½ in. by 4 in. by 4 in. Weight 2 lb. To operate with HF25 power amp. Price HF25A £12 12s.; HF25AW £17 6s. 6d.

Provost HF25 Amplifier. 25 watts nom., 30 watts max. Dist. 0.3% at 25 watts. 3.0% at 30 watts. Input for spec. output 0.5v. Response 2-160 Kc/s ± 3 dB. Feedback 26 dB. Variable poss. feedback by means of manual control. N.L. - 90 dB at 25 watts. Out. imp. 3.75, 6.6, 15 and 60 ohms. Output KT66's. Ultra-linear,



Pye "Proctor" control unit



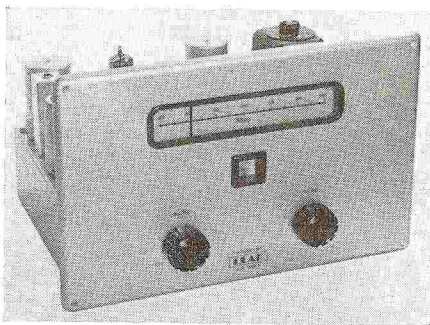
RCA amplifier

Size 13½ in. by 10 in. by 7 in. Weight 27 lb. To operate with HF25A control unit. Price £29 8s.

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RCA Great Britain Ltd., Lincoln Way, Sunbury-on-Thames, Middx. Tel.: Sunbury-on-Thames 3101. Cables: Telex and Tex 28608.

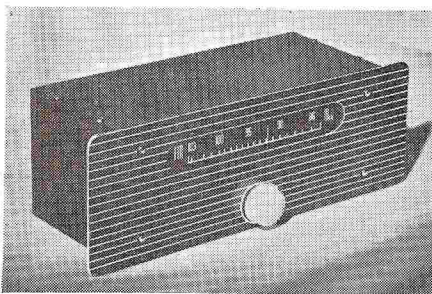
RCA New Orthophonic Control Unit LMI.32215. Inputs: mic. 6.5 mV; radio/tape 200 mV; radio/tape 50 mV; P/U (crystal) 300 mV; P/U (magnetic) 11.5-16 mV. 6 pos. sel. (4 gram.), treble, bass, vol. Switched filter 5, 7 and 10 Kc/s. Variable slope control inc. on/off switch, variable to 35 dB per octave. Tape playback. H.D. < 0.1% at 700 c.p.s. at 10 watts. H and N 85 dB below rated output. Rumble filter built in on power amp LMI.32216.



Leak F.M. "Through-line" Tuner



Lowther Mk. II F.M. Tuner



Pamphonic 630 F.M. Tuner



Pye F.M./A.M. Tuner

H. J. Leak & Co. Ltd., 57/59 Brunel Road, East Acton, London, W.3. Tel.: Shepherds Bush 1173. Cables: Sinusoidal, Ealux, London.

F.M. Tuner, Through-Line. Variable tuning. Range 88-100 Mc/s. A.F.C. Foster-Seeley disc. Original magic eye ind., circuit accurate to 2 Kc/s. Self-powered. Size 10 $\frac{3}{4}$ in. by 7 in. by 7 in. Weight 10 lb. Price £25 (U.K. purchase tax £10 10s.).

★

The Lowther Manufacturing Co., Lowther House, St. Mark's Road, Bromley, Kent. Tel.: Ravensbourne 5225. Cables: Lowther, Bromley.

F.M. Tuner Mk. 2. Twin gang tuning, horizontal scale. Range 87.5-100 Mc/s. A.F.C. Foster-Seeley disc. Press button ind. 50 c.p.s. injection. P.s.n. 250v at 35 mA; 6.3v at 2 amps. Size 13 $\frac{1}{2}$ in. by 5 $\frac{1}{2}$ in. by 5 in. Weight 5 $\frac{1}{2}$ lb. Price £22 (U.K. purchase tax £8 15s. 7d.).

F.M. Tuner Mk. III. Twin gang tuning, horizontal scale. Range 87.5-100 Mc/s. A.F.C. Foster-Seeley disc. Press button ind. 50 c.p.s. injection. Self-powered. Size 13 $\frac{1}{2}$ in. by 5 $\frac{1}{2}$ in. by 5 in. Weight 5 $\frac{1}{2}$ lb. Price £24 10s. (U.K. purchase tax £9 15s. 6d.).

A.M. Tuner DT/5. Ganged condenser, band spread tuning. Range 12-30, 30-90, 90-200, 195-550 metres. "S" meter ind. P.s.n. 250v at 30 mA; 6.3v at 2.75 amps. Size 12 in. by 10 $\frac{1}{2}$ in. by 12 in. Weight 10 lb. Price £33 (U.K. purchase tax £13 3s. 4d.).

★

Pamphonic Reproducers Ltd., 17 Stratton Street, London, W.1. Tel.: Grosvenor 1926.

F.M. Tuner 630. Condenser tuning. Range 86-103 Mc/s. Ratio det. Magic eye ind. P.s.n. 200-250v at 30 mA; 6.3v at 1.5 amps. Size 7 $\frac{1}{8}$ in. by 4 $\frac{1}{8}$ in. by 4 $\frac{1}{2}$ in. Price £12 12s. (U.K. purchase tax £4 17s.).

★

Pye Ltd., Radio Works, Cambridge, England. Tel.: Cambridge 58985. Cables: Pyrad, Cambridge.

A.M./F.M. Tuner, HFT. 111 W. 2 chassis forms. Horizontal and vertical scale. Permeability tuning. Range (F.M.) 87.1-100 Mc/s, (A.M.) 183-564; 956-1,910 metres.

Foster-Seeley disc. Magic eye ind. Self-powered. Size 15 in. by 8 $\frac{3}{4}$ in. by 9 in. Price £26 10s. 8d., chassis form £21 19s. 8d. (U.K. purchase tax £10 4s. 4d. chassis £8 9s. 4d.).

★

RCA Photophone Ltd., Lincoln Way, Windmill Road, Sunbury-on-Thames, Middlesex. Tel.: Sunbury 3101. Cables: Telex and Tex 8608.

F.M. Tuner LMI 32230. Continuously variable tuning. Range 87.5-108 Mc/s (full international F.M. broadcast band). A.F.C. Ratio det. 6AL7 electron ray tuning ind. P.s.n. 230-390v at 40 mA (adjustable tappings); 6.3v at 2.25 amps. Size 12 $\frac{7}{8}$ in. by 6 $\frac{1}{2}$ in. by 3 $\frac{7}{8}$ in. Weight 7 lb. Price £24 3s. (U.K. purchase tax £9 8s. 4d.).

★

Rogers Developments (Electronics) Ltd., "Rodevco Works," 4-14 Barmeston Road, Catford, S.E.6. Tel.: Hither Green 7424. Cables: Rodevco, London.

F.M. Tuner R.D. Junior. Variable inductance tuning. Range 87-107.5 Mc/s. A.F.C. Foster-Seeley disc. Tuning ind., centre-zero meter (optional extra). P.s.n. 270v at 40 mA, L.T. built-in. Size 9 in. by 5 $\frac{3}{8}$ in. by 8 $\frac{5}{8}$ in. Price £17 10s. (U.K. purchase tax £7 7s.).

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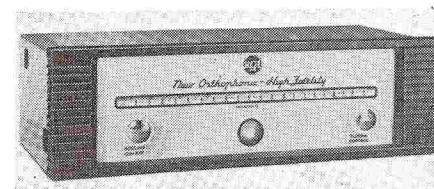
Sound Sales Ltd., Works and Acoustic Laboratories, West Street, Farnham, Surrey, England. Tel.: Farnham 6461/2/3. Cables: Sounsense, Farnham.

A-Z F.M. Tuner Mk. III. Variable tuning. Range 86-100 Mc/s. A.F.C. Magic eye ind. Price £15 (U.K. purchase tax £5 15s. 6d.).

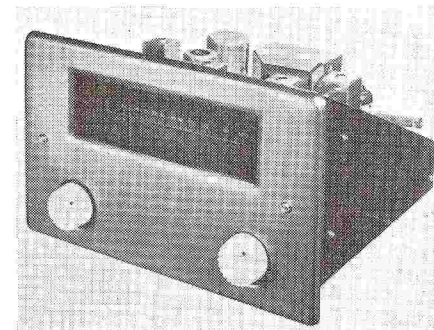
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Stratton & Co. Ltd., Eddystone Works, Alvechurch Road, West Heath, Birmingham 31. Tel.: Priory 2231. Cables: Stratnoid, Birmingham.

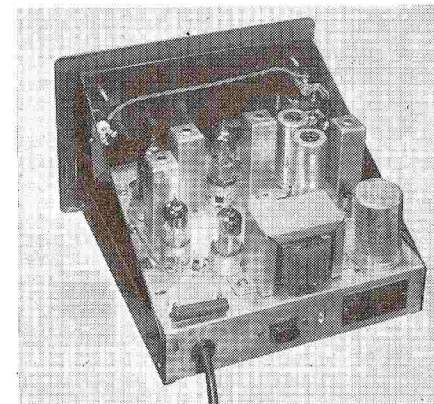
Eddystone 820 A.M./F.M. Tuner. Continuous F.M., switched A.M. tuning. Range (F.M.) 87.5-100 Mc/s, (A.M.) medium and long wave. Foster-Seeley disc. Magic eye ind. Self-powered. Size 6 $\frac{1}{2}$ in. by 11 in. by 10 in. Weight 11 $\frac{1}{2}$ lb. Price £22 (U.K. purchase tax £9 18s.).



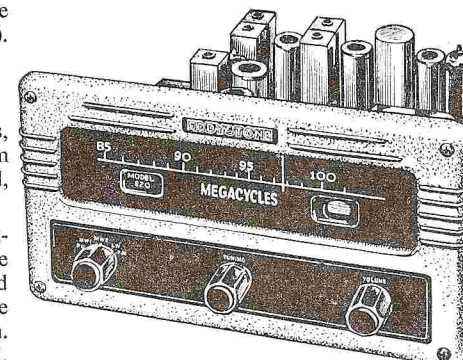
RCA F.M. Tuner



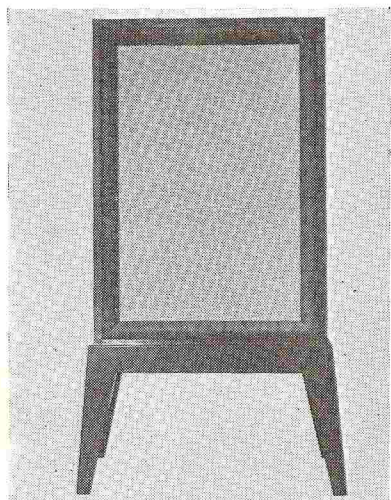
Rogers R.D. Junior F.M. Tuner



Rogers R.D. Junior F.M. Tuner (rear view)



The Eddystone 820 A.M./F.M. Tuner



M.S.S. LSX/1

Acousta Cabinet. Models FH/V, FH/H. Folded horn type, forward facing, with rear folded horn. Vertical on plinth, or horizontal on 12-in. legs. One unit, 6-in. or 8-in. Rec. Lowther PM6. Response 100-17,000 c/s. Size 34 in. by 18 in. by 17 in. Weight 45 lb. Price (complete) £37 18s.; without unit £18 18s., walnut, oak mahogany.

★

M.S.S. Recording Co. Ltd., Poyle Farm, Colnbrook, Bucks, England. Tel.: Colnbrook 430. Cables: Emesco.

Model LSX/1. Reflex forward facing. Cabinet on walnut pedestal. One 8-in. unit. Response 40-15,000 c/s. Size 34 in. by 17 in. by 10½ in. Price £30.

★

Musicraft, 20/22 High Street, Southall, Middx., England. (Branch at 13 King Street, Richmond, Surrey.) Tels.: Southall 3828; Richmond 6798.

F.E.H. Enclosure. Folded exponential horn type, forward facing. Two units, 8-in. and 3-in. Rec. Goodmans "Axiette" and Wharfedale Super 3. Crossover 4/5,000 c/s. Response 30-17,000 c/s. Size 36 in. by 20 in. by 20 in. Price (complete) £51 1s. 7d. (U.K. purchase tax £3 18s. 5d.); without units £40 10s.

★

Pamphonic Reproducers Ltd., 17 Stratton Street, London, W.1. Tel.: Grosvenor 1926.

Victor Senior. Two units. Bass, 15-in. treble 6-in. elliptical. Response 30-15,000 c/s. Crossover 1,000 c/s. Price £57 15s.

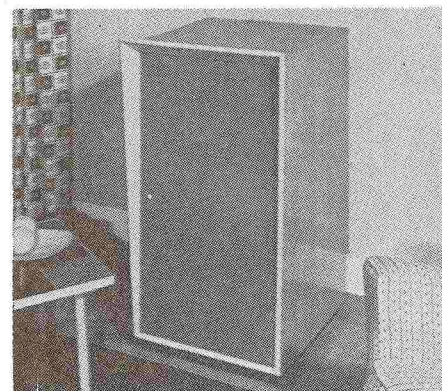
Victor Junior. Two units. Bass 12-in., treble 6-in. elliptical. Response 35-12,000 c/s. Price £36 15s.

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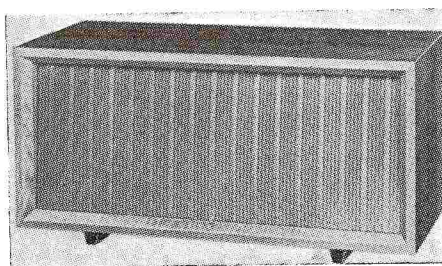
Pye Limited, Radio Works, Cambridge, England. Tel.: Cambridge 58985. Cables: Pyrad, Cambridge.

Enclosure HF12BS. Reflex type, with two forward facing speakers, designed for bookshelf. 8-in. units. Response 40-13,000 c/s. Size 11¾ in. by 23½ in. by 11½ in. Weight 27¼ lb. Price £14 8s. 1d. (U.K. purchase tax £5 10s. 11d.)

Enclosure HF12SM. Reflex type, with one forward facing unit. 12-in. unit, Response 30-13,000 c/s. Size 31 in. by 20½ in. by 14½ in. Weight 79¼ lb. Price £31 10s



Musicraft F.E.H.



Pye HF 12BS

Enclosure HF25SC. Corner reflex. 15-in. dual concentric unit and pressure type treble unit. Response 30-20,000 c/s. Size 37 in. by (across front) 26 in. by 17 in. Weight 88 lb. Price £71 8s.

★

RCA Great Britain Ltd., Lincoln Way, Sunbury-on-Thames, Middlesex, England. Tel.: Sunbury 3101. Cables, telex and tex: 28608.

Panoramic Multiple Speaker System. Models LMI 32245B (Walnut) and LMI 32245A (Light oak). Ported bass reflex. Forward facing with plinth optional for horizontal or vertical mounting. Three m. coil units. 15-in. with cloth surround, and two 2½-in. Crossover operates at 2,000 c/s. Response 29-20,000 c/s. Price £53 18s. 6d., plus plinth £2 12s. 6d. Size 32 in. by 25 in. by 16 in. Weight 136 lb.

★

R.G.A. Sound Services (Plymouth) Ltd., 6 Conway Gardens, Clay Hill, Enfield, Middlesex, England. Tel.: Enfield 3145.

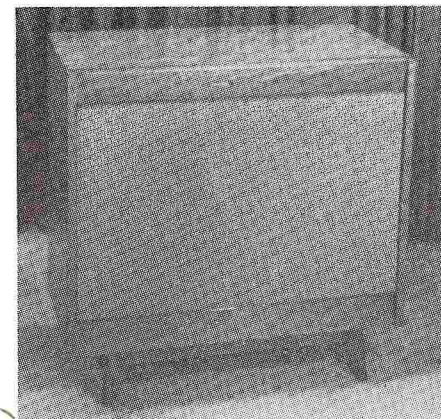
"CQ" Enclosure. Controlled "Q" reflex. Forward facing table model with optional screw-in legs. One unit. Wide range 9 in. by 5 in. elliptical. Response 35-10,000 c/s. Size 22 in. by 12 in. by 13 in. Weight 22 lb. Price £9 (U.K. purchase tax £3 12s.).

Senior "CQ." Controlled "Q" reflex. Forward facing table model, with optional screw-in legs. Wide range 9-in. by 5-in. elliptical, and 4-in. extended range tweeter. Crossover at 7,000 c/s. Response 35-17,000 c/s. Size 22 in. by 12 in. by 13 in. Weight 23 lb. Price £12 (U.K. purchase tax £4 16s.).

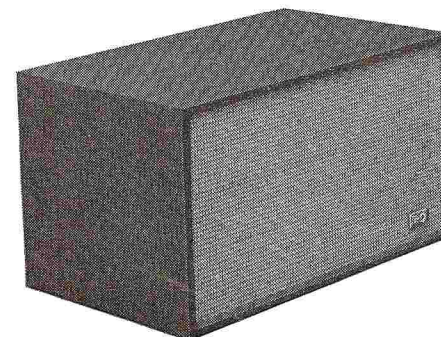
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Rogers Developments (Electronics) Ltd., 4-14 Barmeston Road, Catford, London, S.E.6. Tel.: Hither Green 7424. Cables: Rodevco, London, S.E.6.

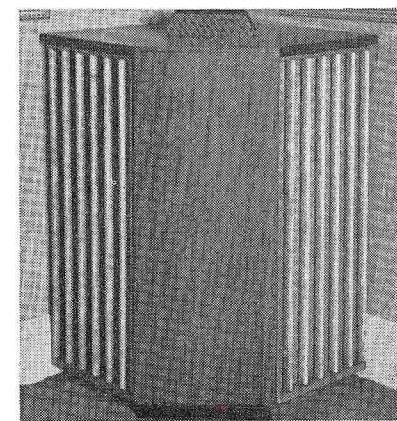
RD Junior Corner Horn. Folded exponential horn, designed to use room's corner walls as part of horn. Diffused treble. One 8-in. unit. Rec. Goodmans "Axiette," Philips 971CM, Wharfedale Super 8 AL, or Lowther PM6. Response 35-16,000/20,000 c/s (top limit dependent upon unit fitted). Size 36 in. by 32 in. by 25 in. Price without unit £18 17s. 6d., plus optional pair of side panels £3 10s. Price with PM6 unit less panels £37 15s. 6d.



RCA "Panoramic"



R.G.A. "C.Q."



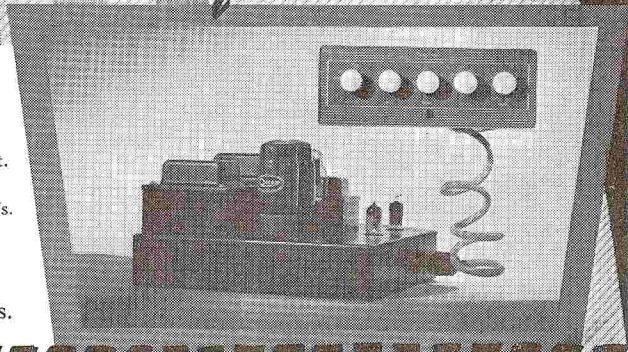
Rogers Junior Corner Horn

*the finest
you can buy!*

**Amplifier 2001 and
pre-amplifier 2001A**

25 watts continuous output.
Distortion .05%.
Frequency response—flat
from 2 c/s to above 100 kc/s.
Negative feedback—28 db.
Six selector positions
with pre-set level controls.
Inputs for Radio,
Tape, Mic. and Gram.

Price 40 gns.



Amplifier 1004

10 watts output
negative feedback.
Rumble filter automatically
switched into circuit.
Distortion only 0.5%.
Inputs for Radio, Mic., Tape
and Gram. Special provision
made for all types of
high output pickups in addition
to magnetic and
moving coil patterns.

Price 27 gns.



Victor Loudspeaker

Power handling capacity is 15 watts.
15" dia. permanent magnet
bass unit, mounted in
vented chamber. Special elliptical
design treble unit.

Room matching control incorporated.

Price 55 gns.

Junior model of 10 watts output

Price 35 gns.

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Pamphonic

PAMPHONIC REPRODUCERS LTD

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During the past year, the Philips range of high fidelity equipment has been expanded to embrace all sorts of fascinating developments. Introduced last year was the 10-watt NOVOSONIC installation, designed for those who prefer their HI-FI in ready-made, compact form. While for those who like to build their own installations Philips introduced single and dual-cone high fidelity speakers.

Now an impressive array of new equipment joins the Philips range—headed by the new high impedance amplifier and control unit employing a completely new and advanced audio technique, which results in a quality of performance that is made possible by the elimination of the output transformer. Then there's a brand new tape recorder with three different recording speeds (AG 8108—an important addition to the already famous 'Recordergram' range); a transcription turntable; a magneto dynamic pick-up head; and a new crystal pick-up head.

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