

Hi Fi

1959

YEAR BOOK

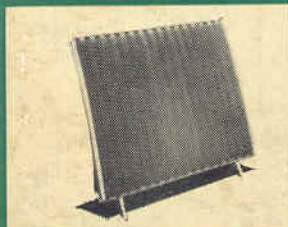
SPECIAL TAPE EDITION

QUAD

for the
closest
approach
to the
original sound



THE NEW
QUAD 22 CONTROL UNIT



ACOUSTICAL MANUFACTURING CO. LTD. HUNTINGDON, HUNTS.

PICKUPS • AMPLIFIERS • SPEAKERS •
MOTORS • TUNERS • TAPE RECORDERS

10/6

Hi-Fi Year Book

1959 Edition

Editor - - MILES HENSLOW

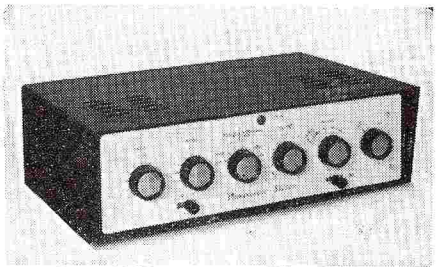


Published by:

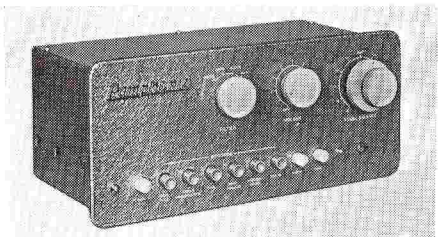
MILES HENSLOW PUBLICATIONS LIMITED,
99 MORTIMER STREET - - LONDON, W.1



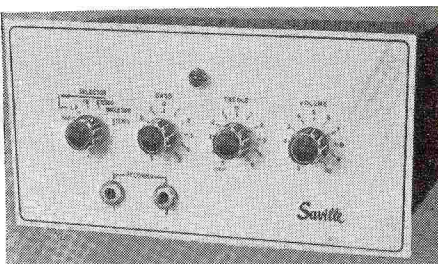
Pamphonic 1004 amplifier



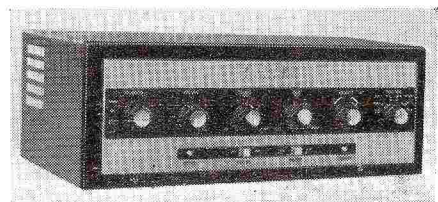
Pamphonic 3000 stereo amplifier



Pamphonic 1002B control unit



Saville stereo control unit



Pilot SHF15 combined stereo amplifier

■ **Lowther LL8S Stereo Amplifier.** 8 watts per channel. Dist. <0.1%. Input for spec. output 0.75 volts. Response 25-20,000 c/s ± 1 dB. Feedback 22 dB. N.L. — 85 dB. Output EL84's. Ultra-linear. Size 11 \times 10 \times 8 ins. Price £35.

★

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

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/s. Feedback 20 dB. N.L. mic. — 53 dB, P/U — 54 dB. Out. imp. 3.5 and 15 ohms. Output 6BW6's. Ultra-linear. Price £26 5s.

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 10 $\frac{1}{2}$ \times 4 $\frac{1}{2}$ \times 7 $\frac{1}{2}$ ins. To operate with 2001 power amp. Price £25 4s.

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 £12 12s.

2001 Amplifier. 25 watts. Dist. at 1,000 c/s., 0.05% at 15 watts. Input for spec. output 0.5 v. Response substantially flat 2-100,000 c/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 or 1002B control units. Price £29 8s.

■ **3000 Stereo Amplifier.** 7.5 watts per channel. Dist. 0.5%. Inputs: radio 1 volt; tape 0.5 volts; pickup crystal stereo. Response 50-15,000 c/s. Feedback 20 dB. N.L. — 57 dB. Out. imp. 15 ohms. each channel. Ultra-linear. Size 14 \times 9 $\frac{1}{2}$ \times 4 $\frac{1}{2}$ ins. Price £31 10s.

★

Period High Fidelity Ltd., 28 South Street, London, W.1. Tel.: Grosvenor 4686.

■ **Saville Stereo Control Unit.** Inputs: pickup 3 and 50 mV; radio 50 mV; tape 3 mV. Selector switch, bass, treble, vol., balance. H.D. 0.1%. H and N — 60 dB. Size 11 \times 5 \times 6 $\frac{1}{2}$ ins. Price £15. To operate with Saville Twenty or Seven amplifiers.

■ **Saville Stereo Seven Amplifier.** 7 watts per channel, 15 watts max. Dist. 0.2%. Input for spec. output 3 volts. Response 35-20,000 c/s. Feedback 15 dB. N.L. 75 dB. Out. imp. 15 ohms, or to order. Output ECL82's. Ultra-linear. Size 11 $\frac{1}{2}$ \times 7 $\frac{3}{4}$ \times 6 ins. Price £33. To operate with Saville Stereo Control Unit.

Saville Twenty Amplifier. 20 watts nominal, 30 watts peak. Dist. 0.1%. Input for spec. output 3 volts. Response 35-30,000 c/s. Feedback 20 dB. N.L. — 85 dB. Out. imp. 15 ohms, or to order. Output EL34's. Ultra-linear. Size 11 $\frac{1}{2}$ \times 7 $\frac{3}{4}$ \times 8 ins. Price £27. To operate with Saville Stereo Control Unit.

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

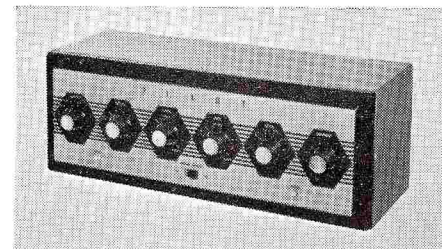
HFA11 Self-contained Control Unit and Power Amplifier. 5 inputs—magnetic P/U 3/5 mV; crystal P/U 160 mV; radio, aux., tape, 120 mV. 7 pos. sel. (4 record equal.). Switched scratch and rumble filters. Variable treble, bass, loudness and vol. Tape input and output sockets. 10 watts output. Dist. $\pm 0.1\%$ for 8 watts at 1 Kc. Response 20-20,000 c/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. Size 13 $\frac{3}{8}$ \times 8 $\frac{3}{8}$ \times 5 ins. Price £25 4s.

HFC12 Control Unit. Inputs: P/U magnetic 3/5 mV and 20 mV; crystal 50 mV; radio 150 mV; tape 150 mV; aux. 3/5 mV. 7 pos. sel. (4 record equal.) treble, bass, vol. Filter 5, 7, 10 Kc/s. and flat, loudness with on/off, muting switch. Tape input and output sockets. Built-in high pass filter. H.D. (with main amp.) 0.1% for 8 watts at 1,000 c/s. H and N 80 dB below full output. Size 13 $\frac{3}{8}$ \times 5 \times 5 $\frac{1}{2}$ ins. Available only with HFA12 amplifier.

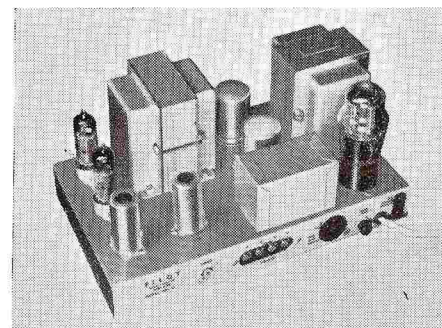
HFA12 Amplifier. 12 watts nom. Dist. 0.1% for 8 watts at 1 Kc. Input for spec. output 200 mV. Response 15-50,000 c/s. ± 1 dB. Feedback 22 dB. N.L. 80 dB below full output. Out. imp. 3, 8 and 15 ohms. Output EL84's. Ultra-linear. Size 11 $\frac{1}{2}$ \times 6 $\frac{1}{2}$ \times 6 $\frac{1}{2}$ ins. To operate with HFC12 control unit. Price complete system £29 8s.



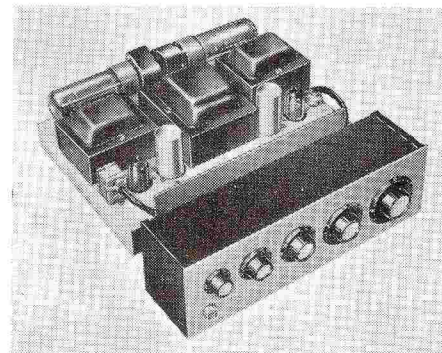
Pilot HFA11 combined amplifier



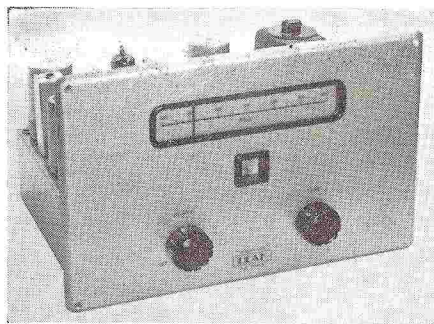
Pilot HFC12 control unit



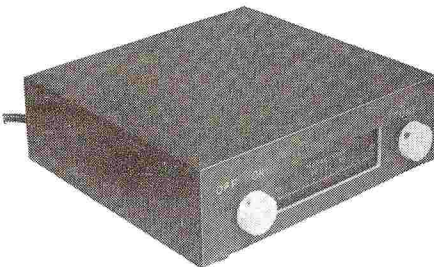
Pilot HFA12 amplifier



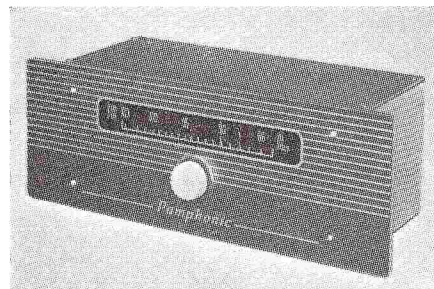
Pye Stereo Mozart combined amplifier



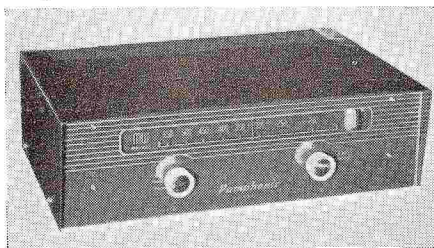
Leak FM "Trough-line" tuner



"Sterling" FM tuner



Pamphonic 640 FM tuner



Pamphonic 645 FM/AM 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, Trough-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 $10\frac{1}{2} \times 7 \times 7$ ins. 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.

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/s injection. Self-powered. Size $13\frac{1}{2} \times 5\frac{1}{2} \times 5$ ins. Price £24 10s. (U.K. purchase tax £9 15s. 6d.)

F.M. Tuner Mk. IV. Variable tuning. Range 87.5-100 Mc/s. A.F.C. Foster-Seeley disc. Press button ind. P.s.n. 250v 30 mA; 6.3v 2 amps. Size $10\frac{1}{2} \times 4\frac{3}{4} \times 7$ ins. Price £22 (U.K. purchase tax £8 15s. 7d.)

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 $12 \times 10\frac{1}{2} \times 12$ ins. Price £33 (U.K. purchase tax £13 3s. 4d.)

★

S. E. Opperman Ltd., Stirling Corner, Boreham Wood, Herts. Tel.: Elstree 2021.

Sterling F.M. Tuner. Variable permeability tuning. Range 86-100 Mc/s. Ratio det. Self-powered. Size $7\frac{1}{2} \times 7\frac{1}{2} \times 2\frac{1}{2}$ ins. Price including purchase tax in U.K. £13 13s.

★

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

640 F.M. Tuner. Variable tuning. Range 86-103 Mc/s. Ratio sel. Magic eye ind. P.s.n. 200v at 30 mA, 6.3v at 2 amps. Size (panel) $9\frac{3}{8} \times 3\frac{3}{4}$ ins. Price £15 (U.K. purchase tax £5 15s. 6d.)

645 F.M./A.M. Tuner. Switched F.M., variable A.M. Range (F.M.) 86-103 Mc/s. (A.M.) 185-565 metres. A.F.C. Foster-Seeley disc. Magic eye ind. Sensitivity F.M., $15\mu\text{v}$ for 40 dB quieting. Self-powered. Size $13 \times 10\frac{1}{2} \times 4\frac{1}{2}$ ins. Price £21 13s. 2d. (U.K. purchase tax £8 6s. 10d.)

★

Period High Fidelity Ltd., 28 South Street, London, W.1. Tel.: Grosvenor 4686.

Saville F.M. Tuner. Variable tuning.

Magic eye ind. Cathode follower output. Price £24 (U.K. purchase tax £10 16s.).

★

Pye Ltd., 65 Fairview Road, London, S.W.16. Tel.: Pollards 9441/2. Cables: Faramarine, Souphone, London.

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 $15 \times 8\frac{3}{4} \times 9$ ins. Price £26 10s. 8d., chassis form £21 19s. 8d. (U.K. purchase tax £10 4s. 4d., chassis, £8 9s. 4d.)

F.M. Tuner Mozart HFT. 108. Variable tuning. Range 88-108 Mc/s. A.F.C. Foster-Seeley disc. Self-powered. Size $10\frac{1}{2} \times 3\frac{3}{8} \times 5$ ins. Price £16 13s. 7d. (U.K. purchase tax £6 8s. 5d.), chassis only, or in metal case £18 3s. 11d. (£7 0s. 1d.)

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

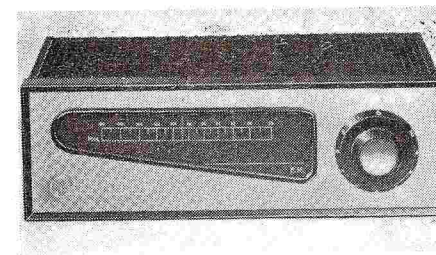
F.M. Tuner LMI 32230B. Continuously variable tuning. Range 87.5-108 Mc/s (full international F.M. broadcast band). A.F.C. Ratio det. 6 AL7 electron ray tuning ind. P.s.n. 230-390v at 40 mA (adjustable tappings); 6.3v at 2.25 amps. Size $12\frac{7}{8} \times 6\frac{1}{2} \times 3\frac{3}{4}$ ins. Price £17 5s. 4d. (U.K. purchase tax £6 14s. 8d.)

Power Unit LMI 32283. For supplying power for radio-tuners or tape units. Power available 290 or 230 volts at 45 mA D.C. and 6.4 volts at 2.25 amps A.C. To run from 110/120, 150, 200/255 volts, 50 or 60 c/s. Intended for use with R.C.A. Supersensitive Tuner LMI 32230B. Price £4.

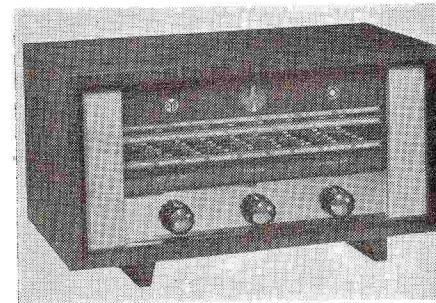
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Rogers Developments (Electronics) Ltd., "Rodevco Works," 4-14 Barmeston Road, Catford, S.E.6. Tel.: Hither Green 7424/4340. Cables: Rodevco, London.

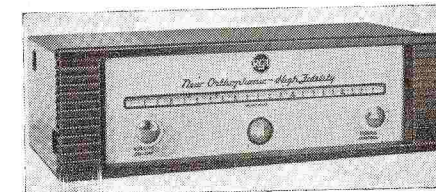
R.D. Junior F.M. Tuner. Variable inductance tuning. Range 87-107.5 Mc/s. A.F.C. Foster-Seeley disc. Tuning ind. centre-zero meter (optional extra). Sensitivity for full limiting, $10\mu\text{v}$. P.s.n. 270v at 38 mA, 6.3v at 2.3 A or self-powered. Size $9 \times 5\frac{3}{8} \times 8\frac{3}{8}$



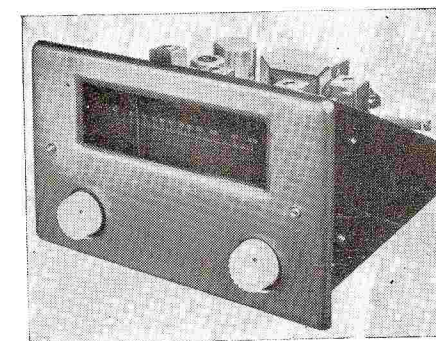
Pye Mozart HFT 108



Pye FM/AM tuner



RCA FM tuner



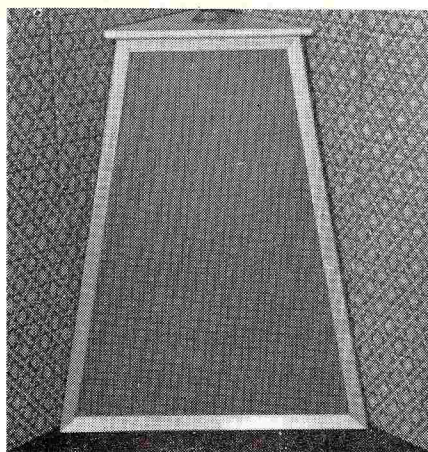
Rogers R.D. Junior F/M tuner

ins. Price £16 11s. (U.K. tax £6 1s. 9d.) or £18 5s. 6d. powered (£7 13s. 6d.)

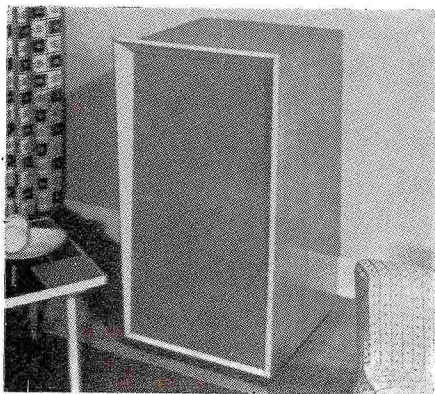
F.M. Tuner R.D. Junior Switched. Switched tuning. Range 87-96 Mc/s. A.F.C. Foster-Seeley disc. P.s.n. 250v 35 mA; 6.3v 1.7 amps. Size $9 \times 5\frac{3}{8} \times 5\frac{3}{8}$ ins. Price £11 5s. (U.K. purchase tax £4 12s. 2d.)



Grampian WS8



Lektra Gazelle



Musicraft F.E.H.

Lektra Products, 118 Gordon Road, London, W.13.

Gazelle. Reflex corner kit. One 8 or 10 in. unit, and one tweeter. Size 30 × 23½ × 12½ in. Weight 20 lb. Price £6 6s.

Mayfair. Reflex corner kit. One 10 or 12 in. unit, and one tweeter. Size 36 × 28 × 16½ ins. Weight 30 lb. Price £9 9s.

★

Lockwood & Co. (Woodworkers) Ltd., 67 Lowlands Road, Harrow, Middlesex, England. Tel.: Byron 3704.

LE.1. Reflex, forward facing. Suitable for 15 in. dual concentric unit, or 3-way combination. Size 44 × 24 × 17½ ins. Concealed castors. Price £38 10s.

LE.2, 3, and 4. These have a similar outward appearance and design to the LE.1 above, but are progressively smaller in dimension and price, and are suitable for smaller speaker systems. The smallest, LE.4, is 27½ × 17½ × 12½ ins. Price £15 15s.

★

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

Corner Reproducer TP1. Folded bass horn/direct h.f. horn type. One specially designed 6-in. pressure unit PM3. Acoustical crossover. Response 40-20,000 c/s. Size 47 × 32 × 31 ins. from corner. Weight 70 lb. Price of standard Model A £96. Model B £106.

Corner Horn Model PW2. Horn and bass chamber type, with front of diaphragm horn loaded down to 250 c/s, rear bass chamber down to 40 c/s. One 6-in. or 8-in. unit. Rec. Lowther PM6 or PM2 Mk. 1. Response 40-18,000 c/s. Size 60 × 15 ins., corner to front face. Weight 60 lb. Price £34 10s.

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 60-17,000 c/s. Size 30 × 18 × 15 ins. Weight 45 lb. Price without unit £18 18s., walnut, oak, mahogany.

This enclosure is also available in a "Do-it-yourself" kit form. Price £14 14s. ex works.

Audiovector. Compound horn. 180 deg. compound upward facing mid- and high-frequency horn with rear folded horn. One 8 in. unit. Range 30-20,000 c/s. Size approx. 26 × 30 × 18 ins. Price approx. £50.

★

M.S.S. Recording Co. Ltd., Colnbrook, Bucks., England. Tel.: Colnbrook 2431. Cables: Emesco.

Model LSX/1. Reflex forward facing. Cabinet on walnut pedestal. One 8-in. unit. Response 40-15,000 c/s. Size 34 × 17 × 10¼ ins. Price £25.

★

Musicraft, 20/22 High Street, Southall, Middx., England. (Branches at 13 King Street, Richmond, Surrey and 80/82 Uxbridge Road, Ealing, London, W.13). Tel.: Southall 3828.

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 × 20 × 20 ins. Price (complete) £40 19s.

★

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 £45.

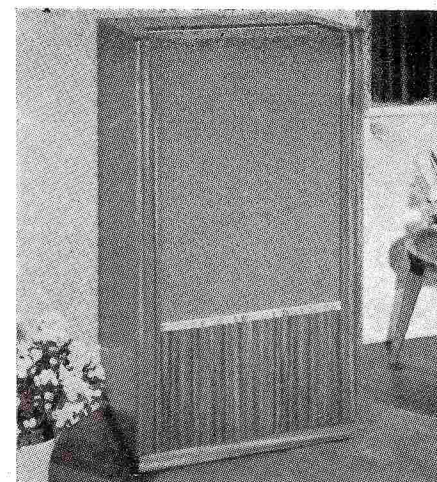
Victor Junior. Two units. Bass 12-in., treble 6-in. elliptical. Response 35-12,000 c/s. Price £30.

S.1 Stereo. Cabinet type, forward facing. Elliptical 10 × 6 in. concentric cone unit. Size 15 × 12 × 11 ins. Price £10 12s. 5d. (U.K. purchase tax £4 1s. 7d.).

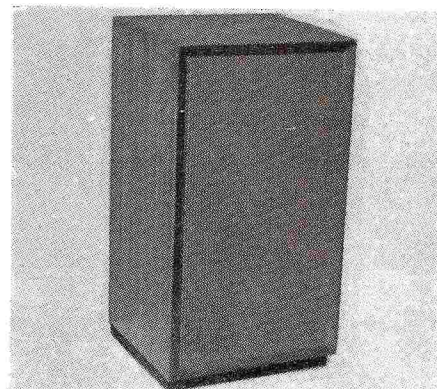
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Pilot Radio Ltd., High Fidelity Div., Park Royal Road, London, N.W.10. Tel.: Elgar 7353. Cables: Piloset, Harles, London.

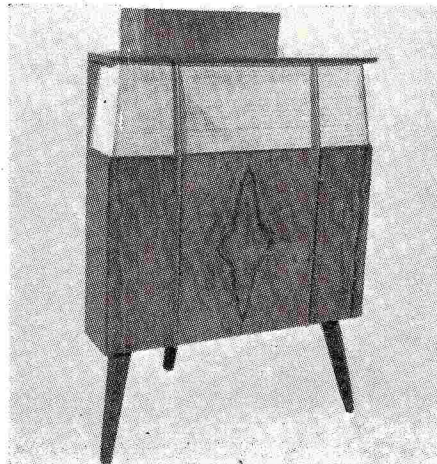
HFS 14. Corner reflex. Forward facing with bass and treble diffusion ports. One 12 in. unit with foam surround fitted. Range 30-16,000 c/s. Size 36 × 21 × 14 ins. Weight 31 lb. Price £29 8s.



Lockwood LE1 reflex



Lowther Acousta cabinet



Lowther TP1