

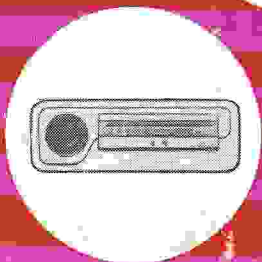
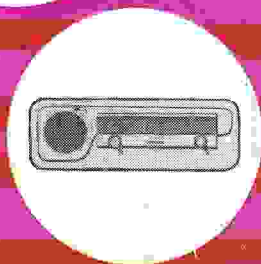
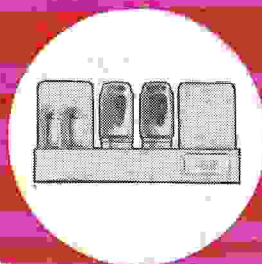
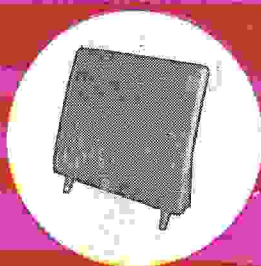
# Hi Fi

1962

## YEAR BOOK

**QUAD**

*for the closest approach to the original sound*



PICKUPS • MOTORS • TUNERS • SPEAKERS •  
AMPLIFIERS • MICROPHONES • RECORDERS

10/6

# Hi-Fi Year Book

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1962 Edition

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*Editor* - - MILES HENSLOW



*Published by*

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

Printed in Great Britain by Portia Press Ltd., London, W.1

Lee Products (Great Britain) Ltd., 10-18 Clifton Street, London, E.C.2. Cables: Leprod, London, E.C.2.

**F.M. Tuner FMT/2.** Variable tuning. Range 88-100 Mc/s. A.F.C. Foster-Seeley disc. Self-powered. Cathode follower output. Size  $12\frac{1}{4} \times 3\frac{1}{4} \times 9\frac{3}{4}$  ins. Price £18 13s. 6d. (U.K. purchase tax £5 19s. 10d.)

**A.M./F.M. Tuner H4T/2.** Variable tuning. Range 87-101 Mc/s, 16-50, 187-540 and 1,100-1,900 metres. Ratio det. Magic eye ind. Self-powered. Size  $12\frac{1}{2} \times 6\frac{1}{2} \times 10$  ins. Price £19 10s. (U.K. purchase tax £6 5s. 2d.)

★

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

**F.M. Tuner Mk. V Self-Powered.** Twin gang tuning, horizontal scale. Range 87.5-108 Mc/s. A.F.C. Foster-Seeley disc. Switched ind. 50 c/s injection. Self-powered. Size  $13\frac{1}{4} \times 5\frac{1}{2} \times 5$  ins. Price £24 10s. (U.K. purchase tax £8 2s. 11d.)

**F.M. Tuner Mk. V.** Variable tuning. Range 87.5-108 Mc/s. A.F.C. Foster-Seeley disc. Switched A.F.C. and hum check ind. P.s.n. 250v 30 mA; 6.3v 2 amps. Size  $10\frac{1}{4} \times 4\frac{3}{4} \times 7$  ins. Price £22 (U.K. purchase tax £7 6s. 4d.)

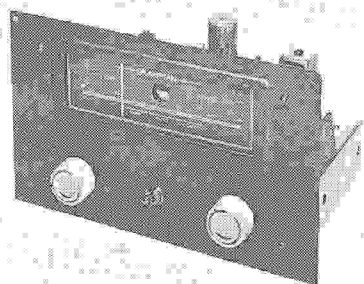
**F.M. Tuner Mk. V Crystal.** Switched 3 station tuning. Range Pre-set 87.5-100 M/c A.F.C. Foster-Seeley disc. P.s.n. 200-240v 50 c/s. Size  $10\frac{1}{4} \times 4\frac{3}{4} \times 5\frac{3}{4}$  ins. Price to be announced.

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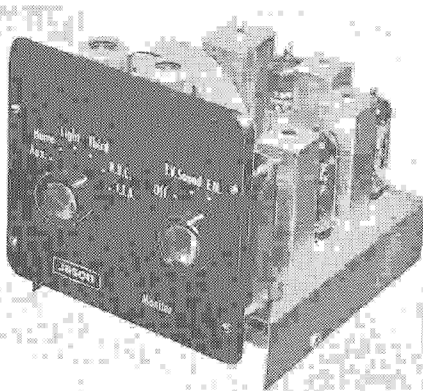
**Pamphonic Reproducers Ltd.,** Westmoreland Road, London, N.W.9. Tel.: Colindale 7131.

**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)  $9\frac{5}{16} \times 3\frac{3}{4}$  ins. Price £15 15s. (U.K. purchase tax £5 5s.)

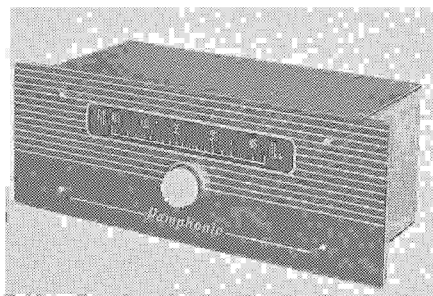
**F.M. 646.** Manual tuning. Range 88-108 Mc/s. A.F.C. Ratio det. Self-powered. Size  $6 \times 13 \times 4\frac{1}{4}$  ins. Price £21 13s. 3d. (U.K. purchase tax £7 4s. 6d.)



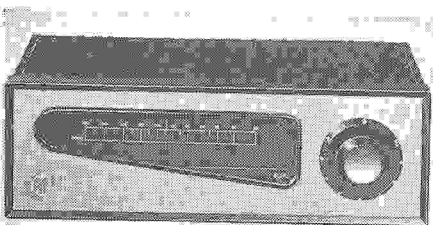
*Grampian FM 571*



*Jason Monitor*



*Pamphonic 640 FM tuner*



*Pye Mozart HFT 108M*

**Pye Ltd., High Fidelity Division,** P.O. Box 49, Cambridge. Tel.: Cambridge 58985. Cables: Pyrad, Cambridge.

**A.M./F.M. Tuner HFT113.** Variable tuning. Range (F.M.) 88-108 Mc/s (A.M.) 190-550 metres. A.F.C. detect. Self-powered. Size  $10\frac{1}{2} \times 3\frac{3}{8} \times 5$  ins. Price chassis £29 8s., in metal case £31 10s.

**F.M. Tuner Mozart HFT.108.** Variable tuning. Range 88-108 Mc/s. A.F.C. Self-powered. Size  $10\frac{1}{2} \times 3\frac{3}{8} \times 5$  ins. Price £17 9s. 9d. (U.K. purchase tax £5 12s. 3d.) chassis only or in metal case £19 1s. 7d. (U.K. purchase tax £6 2s. 11d.) (17v model available).

★

**Rogers Developments (Electronics), Ltd.,** "Rodevco Works", 4-14 Barmeston Road, Catford, S.E.6. Tel.: Hither Green 7244 and 4340. Cables: Rodevco, London.

**R.D. Junior Mk. 11 Variable F.M. Receiver.** Variable tuning. Printed circuit coil pack. Range 87-107.5 Mc/s. A.G.C. Foster-Seeley disc. Twin limiters. Tuning Indicator. Twin Cathode Follower Output. Self-powered. Provision for Multiplex Adaptor. Size:  $8\frac{5}{8} \times 5\frac{3}{8} \times 10\frac{3}{8}$  ins. To operate with any Rogers Control Unit. Available in Teak case to match HG88 Mk. 11. Price to be announced.

**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 £3 16s. 10d.) Also available to match HG88 amplifier without case £11 18s. (U.K. purchase tax £4 1s. 3d.)

★

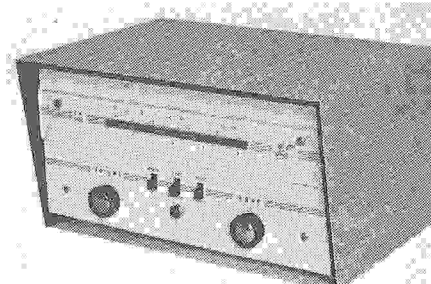
**Shirley Laboratories Ltd.,** 3 Prospect Place, Worthing, Sussex. Tel.: Worthing 30536.

**F.M. Tuner R/6.** Variable tuning. Standard range. Ratio det. Magic eye ind. P.s.n. 200-300v 30 mA; 6.3v 2.5 amps. Price £27 10s.

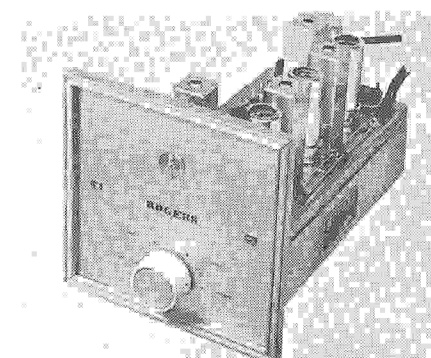
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**Sound Sales Ltd.,** Works and Acoustic Laboratories, Farnham, Surrey. Tel.: Farnham 6461/2/3. Cables: Sounsense, Farnham.

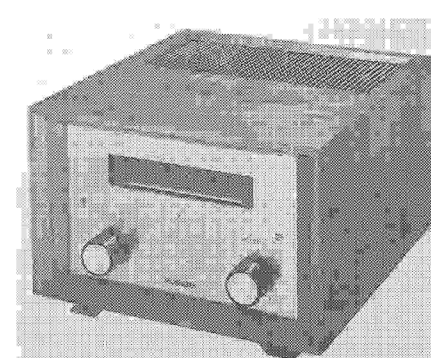
**A-Z F.M. Synchrolock Unit Mk. IV 108.** Variable twin gang tuning. Range 75.8-



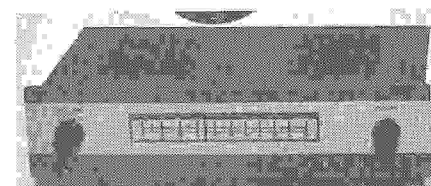
*Lowther FM MK. V tuner*



*Rogers RD Junior Switched FM tuner*

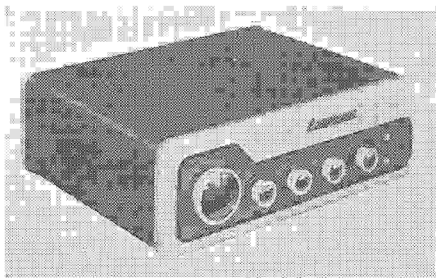


*Rogers RD Junior tuner in matching cabinet*

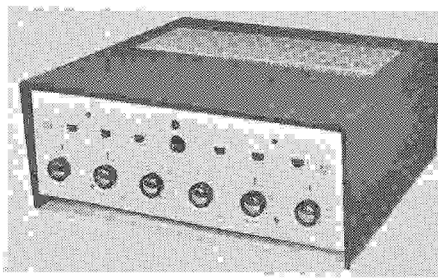


*Tansley-Howard Archon P.F.41*





*Pamphonic 3001 integrated stereo amp.*



*Lowther integrated stereo amplifier*

**Lowther Mk. IV Control Unit.** Inputs: mic. 3 mV; pickup 3 mV — 300 mV; Radio and aux. 100 mV. 5 pos. sel. vol., bass, treble, filter, equalisation. Filters: 9, 7 and 4.5 Kc/s. H.D. > 0.5% H and N — 65 dB. Output cathode follower 1v r.m.s. To operate with Lowther LL 15 Mk. 1. Size  $10\frac{1}{4} \times 4\frac{5}{8} \times 7$  ins. Price £20.

★  
**Lowther Mk. I Stereo Control Unit.** Input as for Master Control Unit Mk. IV. Tape input sockets. H.D. 0.1%. Dual low pass filters. Dual output balanced and balance controls between channels. Size as M.C.U. Mk. IV. To operate with LL15S power amp. Price £40.

**Lowther LL15S Stereo Amplifier.** 15 watts output on each channel. Dist. 1%. Input for spec. output 0.75v. Response 20-40,000 c/s  $\pm 1$  dB. N.L. — 85 dB. Out. imp. 8.4 or 16 ohms. Output EL34. "Lowther Linear". Size  $11 \times 12 \times 7\frac{1}{2}$  ins. To operate with S.C.U. Mk. I control unit. Price £47.

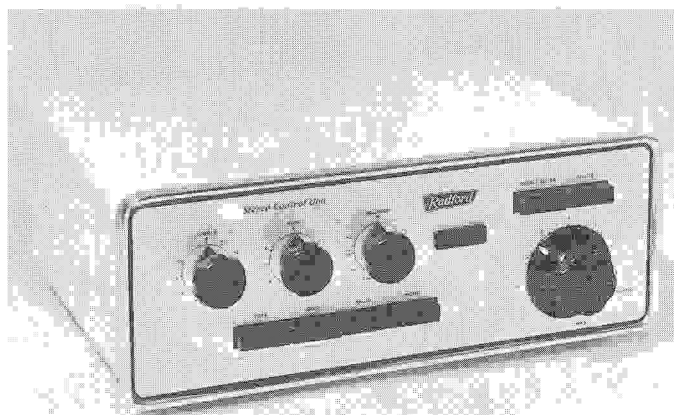
**Lowther Integrated Stereo Amplifier.** 12 watts per channel, Inputs: mic. 2 mV,

Pickup 2 mV Tape 100 mV, radio 100 mV, Aux. 100 mV H.D. 0.2% at 10 watts. Response 30-30,000 c/s  $\pm 1$  dB. N.L. — 45 dB. Output Imp. 16 ohms. Price £70.

**Pamphonic Reproducers Ltd.,** Westmoreland Road, London, N.W.9. Tel.: Colindale 7131.

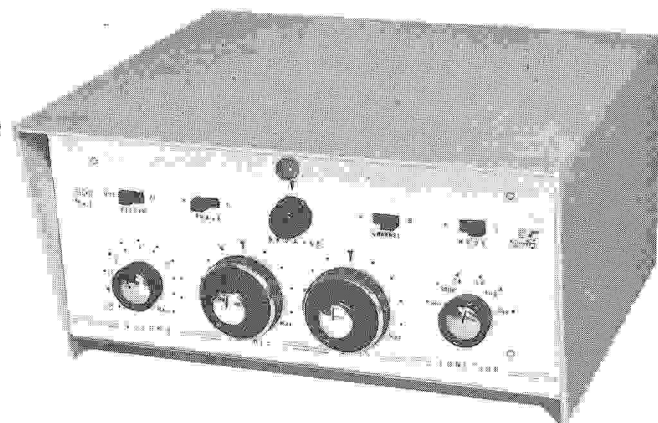
**1002B Control Unit.** Inputs: mic. 2-3 mV; radio/tape 60 mV; P/U 6-8 mV. Push-button sel. 9 pos. (6 gram.). Cut off filter 4, 7, 12 Kc/s and "out". Terminals for tape input. H and N 60 dB below 0.5v. P.a.t. Size  $10\frac{1}{4} \times 4\frac{1}{4} \times 7\frac{1}{2}$  ins. To operate with 2001 power 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.



**RADFORD SC2.  
STEREO CONTROL  
UNIT**

# **LOWTHER SCU MK.1 STEREO CONTROL UNIT**

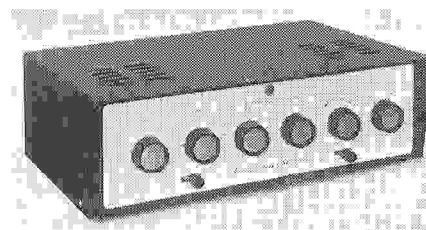


**2001 Amplifier.** 25 watts. Dist. at 1,000 c/s, 0.05% at 15 watts. Input for spec. output 0.5v. Response substantially flat 2-100,000 c/s. Feedback 28 dB. N.L. 90 dB below full output. Out. imp. 3.75, 6.6, 10 and 15 ohms. Output KT66's. Ultra-linear. To operate with 2001A or 1002B control units. Price £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  $14 \times 9\frac{3}{4} \times 4\frac{1}{2}$  ins. Price £31 10s.

★  
**3001 Integrated Stereo Amplifier.** Inputs: pickup 4-6 mV and 150 mV; tape or radio 400 mV and 1 volt. Bass, treble, balance controls. Dist. 0.5% at 6 watts. H and N — 60 dB. 7.5 watts per channel. Out. imp. 15 ohms. Response 40-20,000 c/s  $\pm 1$  dB. Crosstalk better than 60 dB. Output ECL82's. Size  $13 \times 10\frac{1}{4} \times 4\frac{1}{4}$  ins. Price £38 10s.

★  
**Period High Fidelity Ltd.,** 14 Mount Street, London, W.1. Tel.: Grosvenor 4686.

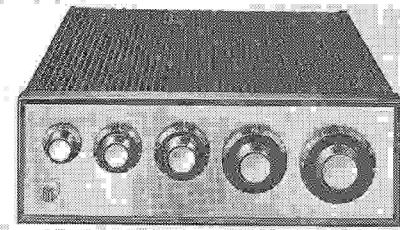


*Pamphonic 3000 stereo amplifier*

★  
**Saville Double Six. Integrated Stereo amplifier.** Inputs: pickup 5 and 100 mV; tape 100 mV, tuner 100 mV, mic. 4 mV. 6-pos. sel., bass, treble, balance, vol. controls. H.D. < 0.25% at 1 Kc/s 4 watts. H and N better than — 55 dB (main amp. better than — 70 dB relative to nominal output. 6 watts per channel. Response 25-25,000 c/s  $\pm 1$  dB, ref. 1 Kc/s. Low pass filter 5, 7 and 10 Kc/s. Filter slope control. 12 dB feedback. Out. imp. 15 ohms or to order. Output ECL83's. Ultra-linear. Size  $13 \times 8 \times 3\frac{1}{2}$  ins. Price £38 17s.

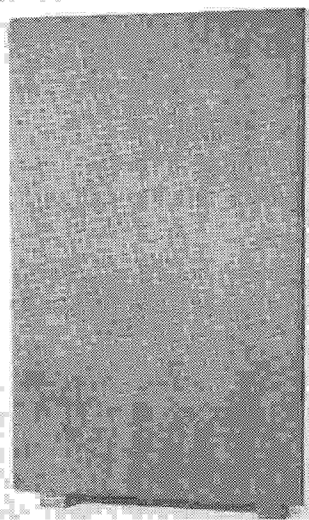
★  
**Pye Limited, High Fidelity Division.** P.O. Box 49, Cambridge. Tel.: Cambridge 58985. Cables: Pyrad, Cambridge.

**HF10 Mozart Self-contained Control Unit and Power Amplifier.** Inputs: tape 100 mV; radio 100 mV; P/U 15, 8 and 8 mV on each of the 3 curves at 1,000 c/s., special compensation for all makes of P/U. 5-pos. sel., treble, bass, vol., mains on/off, filter at 4, 7, 12 Kc/s and out. Tape replay socket. H.D. 0.3% at 1,000 c/s and 9 watts. H and N main amp. — 70 dB; tape, radio — 60 dB; P/U — 55 dB. Output 10 watts nom. Response 3-70,000 c/s  $\pm 3$  dB.



*Pye Mozart integrated stereo HFS20M*





K.E.F. K1 Slimline

**AL120. Bookcase Loudspeaker,** forward facing. Baffle ARU loaded. One 12 in. Triaxial Loudspeaker. Crossover at 5,000 c/s built-in. Size  $24 \times 11\frac{1}{2} \times 14\frac{1}{2}$  ins. Price £29 10s. complete.



**Grampian Reproducers Ltd.,** Hanworth Trading Estate, Feltham, Middlesex, England. Tel.: Feltham 2657. Cables: Reamp, Feltham.

**Grampian WS9.** Totally enclosed, forward facing. Fitted with 9 in. drive unit. Handling capacity 7 watts. Size  $23 \times 12 \times 12$  ins. Shaped for corner or wall position. Price £11 2s. 6d. (U.K. purchase tax £3 15s.), legs extra £1 2s. 6d.

**Grampian CE12.** Forward facing reflex, shaped for corner or wall position. One 12 in. unit. Grampian rec. 1255/15. Size  $29 \times 18 \times 12\frac{1}{4}$  ins. Price (complete) £23 10s.



**KEF Electronics Ltd.,** Tovil, Maidstone, Kent. Tel.: Maidstone 55761. Cables: Kef, Maidstone.

**Picture Speaker.** Flexing panel. Forward facing. One drive unit,  $6 \times 4$  ins. Tri-ply K.E.F. recommended. Response 100-15,000 c/s. Size  $18 \times 10\frac{1}{2} \times 2\frac{3}{4}$  ins. Weight 7 lbs. Price £6 10s. (U.K. purchase tax £2 6s. 6d.)

**K1 Slimline.** Pure acoustical resistance load. Forward facing. Three drive units,  $16 \times 12$ ,  $6 \times 4$ ,  $1\frac{1}{2}$  dia. ins. Crossover 375 c/s and 3,000 c/s. Size  $27 \times 17 \times 6\frac{1}{4}$  ins. Weight 40 lbs. Price £37.

**K1 Monitor.** Pure acoustical resistance load. Forward facing. Three drive units,  $16 \times 12$ ,  $6 \times 4$ ,  $1\frac{1}{2}$  dia. ins. Crossover 375 c/s and 3,000 c/s. Response 20-20,000 c/s. Size  $39\frac{1}{2} \times 17 \times 14$  ins. Weight 70 lbs. Price £52.

**K2** totally enclosed. Forward facing. Two drive units  $13 \times 9$  ins. and  $1\frac{1}{2}$  ins. dia. Crossover 1,000 c/s. Size  $18 \times 10\frac{1}{2} \times 6\frac{1}{4}$  ins. Weight 23 lbs. Price to be announced.



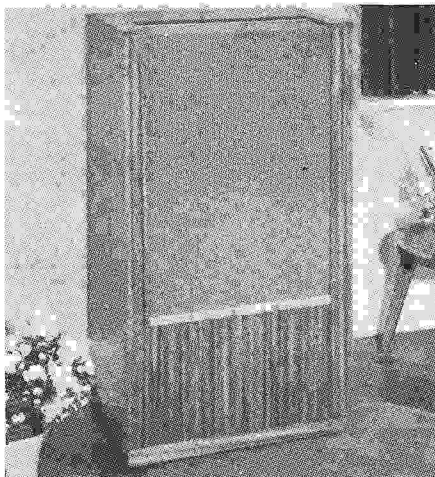
**H. J. Leak & Co. Ltd.,** 57/59 Brunel Road, East Acton, London, W.3. Tel.: Shepherds Bush 1173. Cables: Sinusoidal, Ealux, London.

**Sandwich.** Forward facing, two units. Bass 13 in. Treble 3 in. half section crossover cabinet—can be placed in vertical or horizontal position. Size  $26 \times 15 \times 12$  ins. Weight 45 lbs. Price £39 18s.



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

**LE.1.** Reflex, forward facing. Suitable for 15 in. dual concentric unit, or 3-way



Lockwood LE.1 reflex

combination. Size  $44 \times 24 \times 17\frac{1}{2}$  ins. Concealed castors. 18 in. version available. Prices on application.

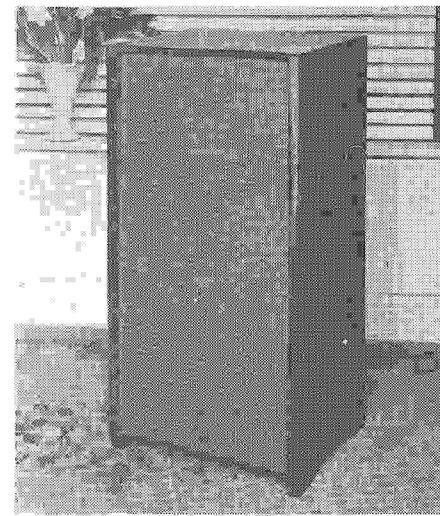
**LE.2, 3, and 4.** These have a similar outward appearance and design to the LE.1 above, but are progressively smaller in dimension and price, and are suitable for smaller speaker systems. The smallest, LE.4, is  $27\frac{1}{2} \times 17\frac{1}{2} \times 12\frac{1}{4}$  ins. All cabinets fitted with drive unit to individual requirements. Prices on application.



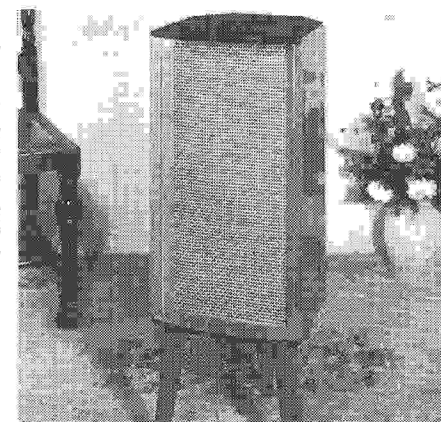
**Lowther Manufacturing Co.,** Lowther House, St. Mark's Road, Bromley, Kent, England. Tel.: Ravensbourne 5225. Cables: Lowther, Bromley.

**Corner Reproducer TP1.** Folded bass horn/direct h.f. horn type. One specially designed 6 in. pressure unit PM3. Acoustical crossover. Response 40-22,000 c/s. Size  $47 \times 32 \times 31$  ins. from corner. Weight 70 lbs. Price of standard Model A £98. Model B £106 approx.

**Acousta Cabinet.** Models FH/V, FH/H. Folded horn type, forward facing, with rear folded horn. Vertical on runners, or horizontal on 12 in. legs. One unit, 6 in. or 8 in. Rec. Lowther PM6. Response 40-18,000 c/s. Size  $32 \times 18\frac{1}{4} \times 14\frac{1}{2}$  ins. Weight 60 lbs. Price without unit £19 19s., walnut, oak, mahogany.



Grampian CE 12



Grampian WS9

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

**Audiovector.** Compound horn. Upward facing mid- and high-frequency horn with rear folded horn. One 6 in. unit. Acoustic crossover. Range 40-22,000 c/s. Rec. PM2 Mk 11 or PM 4. Size  $26\frac{1}{2} \times 19 \times 34$  ins. Weight 75 lbs. Price with specified units £96, without units £48.

**Acousta-twin.** Dual folded horn. Side facing and rear folded horn system for monaural and stereo reproduction. Two PM6 or PM2 Mk 3 8-in. drive units. Acoustic crossover. Response 40-18,000 c/s. Dimensions  $40 \times 16\frac{1}{2} \times 18$  ins. Price £35 enclosure only. £72 16s. or £95 complete.



**Mordaunt Sound Reproducers,** 32/34 Rupert Street, London, W.1.

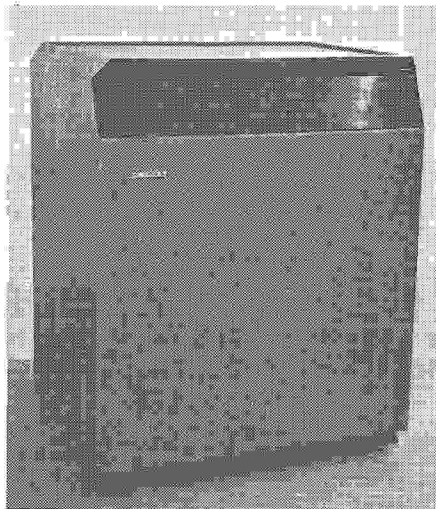
**Arundal.** Reflex forward facing two units. Bass 12 in. treble. Ribbon tweeter. Range 30-25,000 c/s. Size  $36 \times 15 \times 12$  ins. Price £39 10s.



**Pamphonic Reproducers Ltd.,** Westmoreland Road, London, N.W.9. Tel.: Colindale 7131.

**Pillar Type 778.** Tuned column. Forward facing H.F. unit and upward facing L.F. unit,  $6\frac{1}{2}$  in. (L.F.), 4 in. (H.F.). Crossover 1,000 c/s single section. Response 35 c/s to 12 Kc/s. Size  $37\frac{1}{2} \times 12 \times 12$  ins. Price £14 6s. (U.K. purchase tax £5 3s. 6d.)



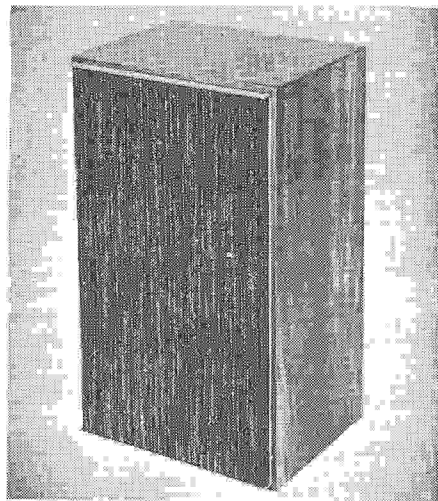


*Lowther Audiovector*

**S.I.** Cabinet type, forward facing. Elliptical 10 × 6 ins. concentric cone unit. Size 15 × 12 × 11 ins. Price £10 12s. (U.K. purchase tax £2 14s. 10d.)



**Parman Electronics Ltd.**, Parman House, Balcombe Road, Horley, Surrey. Tel.:



*Leak Sandwich*

Horley 4344. Cables: Parmanair, Horley.

**Cygnat.** Reflex. Table model (upper side of cabinet forming the table top). 13 × 8 ins. and 4-in. tweeter. Crossover unit. Size 21 × 17 × 30 ins. Price £22 1s.



**Pye Limited**, High Fidelity Division, Blue Town, Sheerness, Kent. Tel.: Sheerness 3076. Cables: Faramarine, Sheerness, Kent.

**Mozart Minor HF.8BS.** Distributed vent reflex. Two drive units, 12 in. bass and 10 × 6 ins. elliptical. Air coupled in pat. arrangement. Crossover included. Response 50-15,000 c/s. Size 28 × 13 × 10½ ins. Price £18 18s. complete.

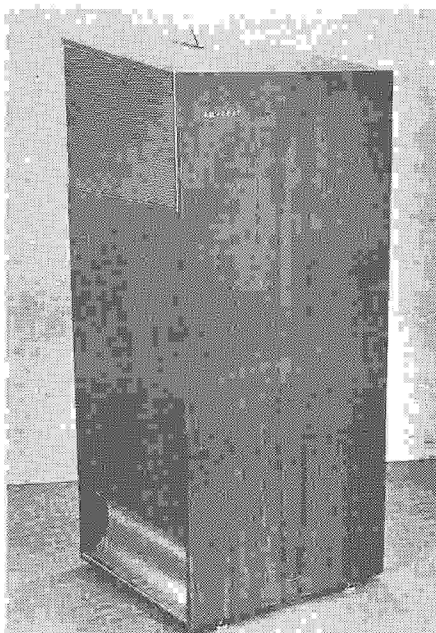
**Mozart Major HF.15 SMT.** Folded labyrinth with forward facing units. One 12-in. and one 4-in. with built-in crossover. Response 45-17,000 c/s. Size 33½ × 17 × 13½ ins. Weight 54 lbs. Price £28 7s.



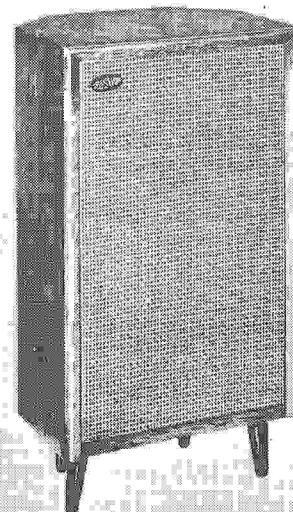
**Record Housing**, Brook Road, London, N.22. Tel.: Bowes Park 7487.

**Viking.** Reflex forward facing. Three drive units. 8 or 10-in. plus tweeter. Response 40-15,000 c/s. Size 32 × 19 × 12 ins. Price, cabinet only, £10 10s.

**Nordyk.** Reflex forward facing. One drive unit. 8-in. G.E.C. Goodmans and Wharfedale recommended. Response 40-15,000 c/s. Price, cabinet only, £6 15s.



*Lowther Acousta-twin*



*Rola Celestion Colaudio 11*

**Strauss.** Reflex forward facing. Two drive units. 10 in. plus any tweeter. Response 40-15,000 c/s. Size 32 × 18 × 11 ins. Price £10 19s.



**Rogers Development (Electrical) Ltd.**, 4-14 Barmeston Road, Catford, London, S.E.6. Tel.: Hither Green 7424/4340. Cables: Rodevco, London, S.E.6.

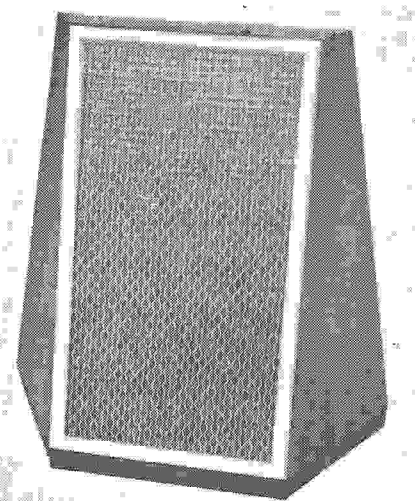
**1284.** 3-way column speaker. Three drive units. 12, 8 and 4 ins. Crossovers included. Response 35-17,000 c/s adjustable. Size 37 × 15 × 14 ins. Price £28 10s. Figured teak £30.

**Mk. 11 Horn Enclosure.** Folded exponential horn housing either the Lowther PM6 or PM2 Mk. 111 Pressure Units. Rear horn loading. Treble diffuser. Power handling capacity: 8 watts (PM6), 10 watts (PM2 Mk. 111). Impedance: 15 ohms. Size 30½ × 12½ × 29½ ins. Finish: Figured teak. Price (PM6) £43. (PM2 Mk. 111) £54.



**Rola Celestion Ltd.**, Ferry Works, Thames Ditton, Surrey. Tel.: Emberbrook 3402. Cables: Voicecoil, Thames Ditton.

**Colaudio II.** Bass unit, 12 in. cone. Expanded plastic cone with treated fabric surround. Voice coil 1.75 in. Gap flux 11,500 gauss. Total flux 123,000 maxwells.

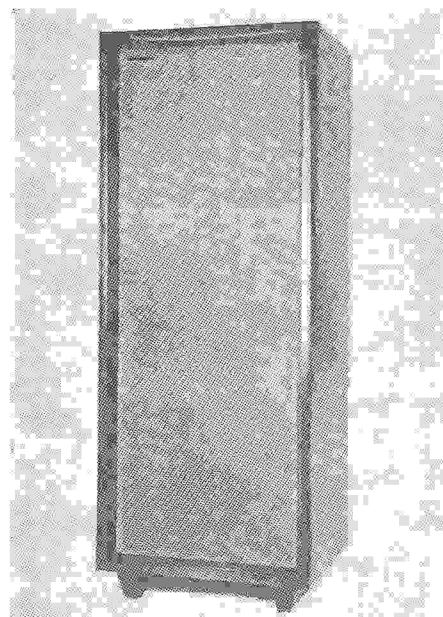


*Fane Trio*

H.C.15 watts peak. V.c.i. 15 ohms. Range 30-15,000 c/s. Enclosed crossover. Price £36 10s.



**Romagna Reproducers**, Factory Distributor, K. H. Williman & Co. Ltd., Blackford House, Sutton, Surrey. Tel.: Melville 1491.



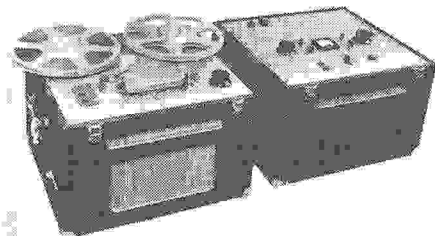
*Mordaunt Arundal*



**Pamphonic Reproducers Ltd.**, Westmoreland Road, London, N.W.9. Tel.: Colindale 7131.

**Reflectograph Model A.** Semi-prof. recorder. Speeds  $7\frac{1}{2}$  and  $3\frac{3}{4}$  i/s. Three motors.  $8\frac{1}{2}$ -in. spools. F.R.  $7\frac{1}{2}$  i/s 35-15,000 c/s;  $3\frac{3}{4}$  i/s 35-9,000 c/s, both  $\pm 2$  dB. Level meter. H and N - 50 dB. W. & F.  $< 0.15\%$ . Outlet from pre-amp. Size  $20 \times 16 \times 10$  ins. Weight approx. 50 lbs. Price £110 5s.

■ **Model B.** Similar specification to Model A but fitted with  $\frac{1}{4}$  track heads and facility

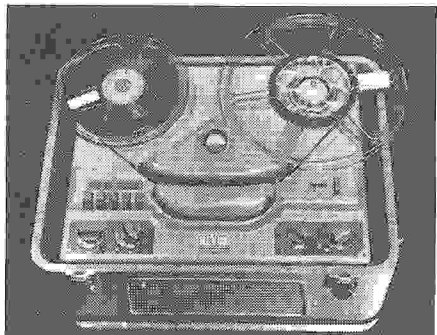


*E.M.I. TR90 in transportable form*

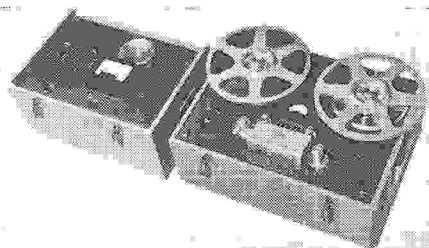
for playing back  $\frac{1}{4}$  track or  $\frac{1}{2}$  track pre-recorded stereo tapes with additional amplifier. Price £120 15s.

■ **Model C.** Half-track semi-prof. recorder. Speeds  $7\frac{1}{2}$  and  $3\frac{3}{4}$  i/s. Three motors.  $8\frac{1}{2}$  in. spools. F.R.  $7\frac{1}{2}$  i/s 35-15,000 c/s;  $3\frac{3}{4}$  i/s 35-9,000 c/s, both  $\pm 3$  dB. H and N - 50 dB. W. & F.  $0.15\%$ . Outlet from pre-amp. Level meter. Size  $20 \times 16 \times 10$  ins. Weight approx. 50 lbs. Price £152 5s.

**Model D Reflectograph.** Half-track tape player. Speeds  $7\frac{1}{2}$  and  $3\frac{3}{4}$  i/s. Three motors.  $8\frac{1}{2}$ -in. spools. F.R.  $7\frac{1}{2}$  i/s 35-15,000 c/s;  $3\frac{3}{4}$  i/s 35-9,000 c/s, both  $\pm 3$  dB. H and N - 50 dB. W and F  $0.15\%$ . Outlet from pre-amp. 250 mV. Size  $20 \times 16 \times 10$  ins. Weight approx. 50 lbs. Price £78 15s.



*Reflectograph Model A*



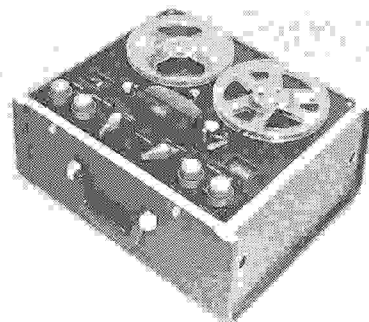
*Leevers-Rich Series E No. E121P*

**Model E Reflectograph.** Half-track tape player. Speeds  $7\frac{1}{2}$  or  $3\frac{3}{4}$  i/s to order. Three motors.  $8\frac{1}{2}$ -in. spools. F.R. to N.A.B. standard. H and N - 50 dB. W and F  $0.2\%$  total. Output from pre-amp 250 mV. Automatic track reversal. Size  $20 \times 16 \times 10$  ins. Weight approx. 50 lbs. Price £99 15s.



**Audiocraft Ltd.**, 296 Kensington High Street, London, W.14. Tel.: Western 4343.

■ **Revox.**  $7\frac{1}{2}$  and  $3\frac{3}{4}$  i/s, Four Track and Two Track. Three Motors. F.R.  $7\frac{1}{2}$  i/s, 40-15,000 c/s.  $3\frac{3}{4}$  i/s, 40-12,000 c/s  $\pm 2$  dB—



*Ampex 960*

3 dB. 10-in. spools. M.E. level ind. W and F  $0.1\%$ , S-N - 50 dB, Automatic matching for any impedance microphone. Weight 42 lbs. Size  $18 \times 11 \times 13$  ins. Price £110 5s.



**Telefunken**—Sole U.K. distributors, **Welme Corporation Ltd.**, 147 Strand, London, W.C.2. Tel.: Temple Bar 3357. Cables: Welmcot, London.

**Magnetophon M24.** Studio recorder. Half track. Speeds  $7\frac{1}{2}$  and  $3\frac{3}{4}$  i/s. 3 motors.  $8\frac{1}{2}$ -in. spools. F.R. 30-18,000 c/s.  $7\frac{1}{2}$  i/s, 40-15,000 c/s.  $3\frac{3}{4}$  i/s. H and N - 50 dB. W. & F.  $1.5\%$  at  $7\frac{1}{2}$  i/s. Size according to cabinet. Prices from 159 gns.

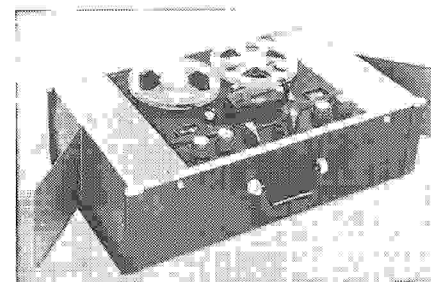


*Sony 521*

**Tellux Ltd.**, 44 Brunel Road, London, W.3. Tel.: Shepherds Bush 0331. Cables: Telite, London.

■ **Sony 521.** Semi-prof. four-track and twin-track recorder. Speeds  $7\frac{1}{2}$  and  $3\frac{3}{4}$  i/s. One motor. 7-in. spools. F.R.  $7\frac{1}{2}$  i/s 30-18,000 c/s;  $3\frac{3}{4}$  i/s 30-12,000 c/s. Two V.U. meters. S-N  $< 50$  dB. W. & F.  $7\frac{1}{2}$  i/s  $< 0.15\%$ ;  $3\frac{3}{4}$  i/s  $< 0.25\%$ . Outlet from pre-amp. Size  $16\frac{1}{2} \times 16 \times 8$  ins. Weight 35 lbs. Price £130 4s.

**Sony 777.** Transistorised prof. recorder. Speeds  $7\frac{1}{2}$  and  $3\frac{3}{4}$  i/s. Three motors. 7-in.



*Ampex 970*

spools. F.R.  $7\frac{1}{2}$  i/s 30-18,000 c/s;  $3\frac{3}{4}$  i/s 30-10,000 c/s. V.U. meter. S-N  $< -50$  dB. W. & F.  $7\frac{1}{2}$  i/s  $< 0.15\%$ ;  $3\frac{3}{4}$  i/s  $< 0.2\%$ . Outlet from replay head. Push button remote control. Size  $16\frac{1}{2} \times 16 \times 10\frac{1}{2}$  ins. Weight 42 lbs. 4 ozs. Price £199 10s.



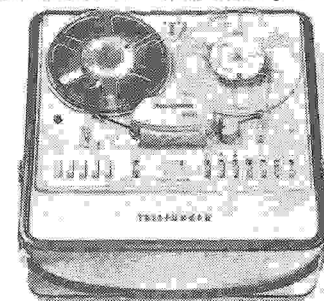
**Uher**—Sole U.K. distributors, **Bosch Ltd.**, 205 Great Portland Street, London, W.1. Tel.: Langham 1809.

■ **Uher Stereo 1.** Prof. four-track stereo recorder. Speeds  $7\frac{1}{2}$ ,  $3\frac{3}{4}$  and  $1\frac{1}{8}$  i/s. 7-in. spools. F.R.  $7\frac{1}{2}$  i/s 40-20,000 c/s;  $3\frac{3}{4}$  i/s

40-16,000 c/s;  $1\frac{1}{8}$  i/s 40-8,000 c/s. S-N - 45 dB. W. & F.  $\pm 0.1\%$  at  $7\frac{1}{2}$  i/s. M.E. level ind. Price £103 19s.

■ **Uher Stereo 2.** Twin-track prof. stereo recorder. Speeds  $7\frac{1}{2}$ ,  $3\frac{3}{4}$  and  $1\frac{1}{8}$  i/s. One motor. 7-in. spools. F.R.  $7\frac{1}{2}$  i/s 40-20,000;  $3\frac{3}{4}$  i/s 40-16,000 c/s;  $1\frac{1}{8}$  i/s 40-9,000 c/s. S-N - 45 dB. W. & F.  $0.1\%$  at  $7\frac{1}{2}$  i/s. M.E. level ind. Outlet from pre-amp. Stereo/mono recording. Synchronising. Remote control. Size  $16 \times 15 \times 8$  ins. Weight approx. 34 lbs. Price £142 16s.

■ **Uher Stereo 3.** Four-track prof. stereo



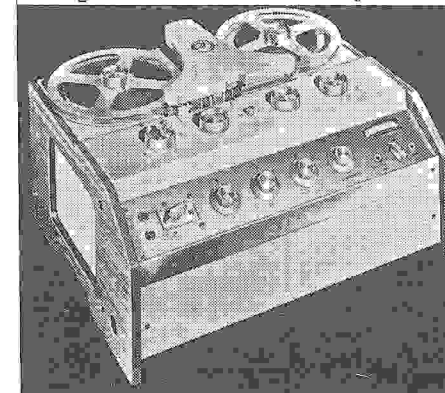
*Telefunken M24*

recorder. Other details and specifications as for Uher Stereo 2. Price £132 6s.



**Vortexion Ltd.**, 257/263 The Broadway, Wimbledon, London, S.W.19. Tel.: Liberty 6242/3. Cables: Vortex, Wimbledon.

**Model WVA.** Complete semi-pro. portable recorder 15 and  $7\frac{1}{2}$  i/s or  $7\frac{1}{2}$  and  $3\frac{3}{4}$  i/s. Wright and Weaire deck. 3 motors.  $8\frac{1}{2}$ -in. spools. F.R.: 30-17,000 c/s  $\pm 3$  dB at 15 i/s; 30-15,000 c/s  $\pm 3$  dB at  $7\frac{1}{2}$  i/s. S-N  $< 50$  dB unweighted. W. & F.  $< 0.2\%$ . Meter



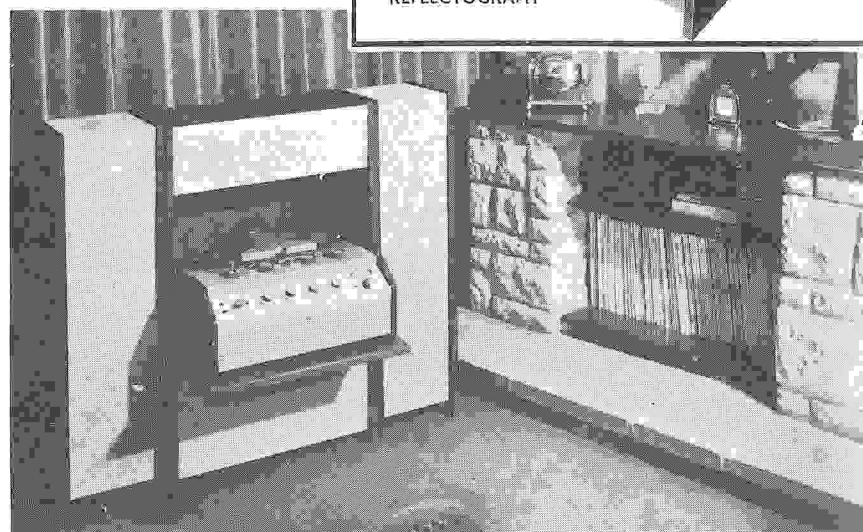
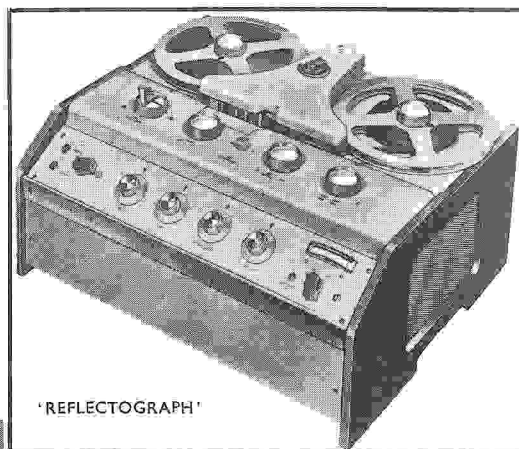
*Reflectograph Model A*

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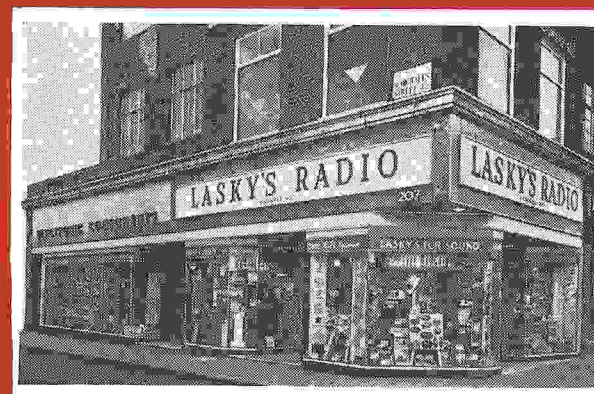
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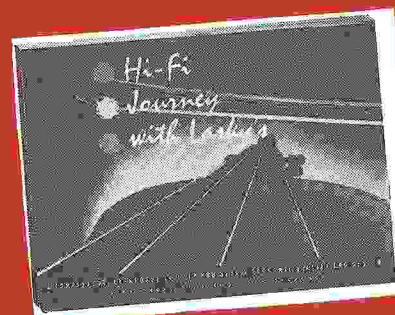
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