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 Prolonging effective switch contact time. A. C. Grillet, 274 June
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 Relay trigger, long pulse. R. L. Bratby, 349 July
 Remote switching of tape equalization. J. B. Cole, 348 July
 Sample-and-hold circuit. J. Kilvington, 275 June
 Schmitt trigger with op-amp. J. Rowley, 366 Aug.
 Scratch filter. A. F. Prinn, 140 Mar.
 Simple d.c. amplifier. R. M. Carter, 239 May, *Letters*, 424 Sept.
 Stable voltage-to-frequency converter. S. Tesic, 78 Feb.
 Switch contact time, prolonging effective. A. C. Grillet, 274 June
 Tape equalization, remote switching of. J. B. Cole, 348 July
 Tester for f.e.t.s., simple. J. Skjelstad, 443 Sept.
 Thermometer, electronic, uses i.c., B. E. Kerley, 366 Aug.
 Tone control, high-level low-distortion. J. N. Ellis, 78 Feb.
 Touch controlled tuner. J. W. Richter, 475 Oct.
 Transistor protection, output in class B amplifiers. J. R. I. Piper, 77 Feb.
 Triangle generator, voltage controlled. J. W. Howden, 540 Nov.
 —, /square generator, voltage-controlled. R. J. Tidey, 239 May
 Triangular waveform generator. H. Macdonald, 77 Feb.
 —, constant-amplitude. D. J. Price, 348 July
 Triggered single-shot. K. J. Montgomery, 139 Mar.
 Tuner, touch controlled. J. W. Richter, 475 Oct.
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 Ultra-slow function generator. N. S. Nicola, 139 Mar.
 Variable-gain volume control. A. Jenkins, 186 Apr.
 Voltage-controlled filter and oscillator. D. G. Malham, 443 Sept.
 —, high-pass filter. D. G. Malham, 349 July
 —, triangle generator. J. W. Howden, 540 Nov.
 —, /square generator. R. J. Tidey, 239 May
 —, dropper. P. Rice, 274 June
 —, stabilizer, simple. P. S. Ewer, 366 Aug.
 Volume control, variable gain. A. Jenkins, 186 Apr.
 Waveform generator, constant-amplitude triangular. D. J. Price, 348 July
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 —, marking of a.c. waveforms. T. Palmer, 185 Apr.

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 —, special-purpose. W. T. Cocking, 283 June
 —, universal meter. A. J. Ewins, 61 Feb., *Letters*, 175 Apr.
 Amplifiers, low-noise audio. H. P. Walker, 233 May, *Letters*, 388 Aug., 520 Nov., 575 Dec.
 Another PAL decoder. A. Becker, 26 Jan.
 Audio amplifier, high-power. R. B. H. Becker, 79 Feb., *Letters*, 114 Mar., 226 May
 —, Amplifiers, low-noise. H. P. Walker, 233 May, *Letters*, 388 Aug.
 —, mixer, modulated integrated circuit. J. H. Evans & P. Williams, 564 Dec.
 —, pre-amplifier using operational amplifier techniques. D. Meyer, 309 July, *Letters*, 479 Oct., 575 Dec., *Correction*, 544 Nov.
 Automatic telephone exchange, miniature. G. F. Goddard, 90 Feb. Modifications, P. F. Gascoyne, 194 Apr., *Letters*, 177 Apr., 265 June
 Battery saving circuit for portable communication receivers. D. A. Tong, 124 Mar.
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Crank, 406 Sept., 456 Oct., *Letters*, 575 Dec.
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 —, display using an oscilloscope. C. Attenborough, 586 Dec.
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 Distortion monitor, portable. J. L. Linsley Hood, 306 July, *Correction*, 480 Oct.
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 —, unit for h.f. transceiver, mobile/portable. D. R. Bowman, 601 Dec.
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Transceiver, amateur, 10-80 metre. D. R. Bowman. 256 June, 325 July, 371 Aug., 437 Sept., *Corrections*, 480 Oct.

—, hand-portable. D. A. Tong. 154 Apr., *Corrections*, 285 June, 424 Sept.

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Logic circuits, how to simplify. N. Darwood. 173 Apr.

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Amplifier for muscle voltages, simple. R. E. George. 495 Oct., *Correction*, 544 Nov. —, universal meter. A. J. Ewins. 61 Feb., *Letters*, 175 Apr.

Audio amplifier, high-power. R. B. H. Becker. 79 Feb., *Letters*, 114 Mar., 226 May —, Mixer, modulated integrated circuit, J. H. Evans & P. Williams. 564 Dec.

—, Pre-amplifier using operational amplifier techniques, D. Meyer. 309 July, *Letters*, 479 Oct., 575 Dec., *Correction*, 544 Nov.

Battery saving circuit for portable communication receivers. D. A. Tong. 124 Mar.

Calculator, Wireless World desk. R. Alexander & B. Crank. 406 Sept., 456 Oct., *Letters*, 575 Dec.

Communication receivers, battery saving circuit for portables. D. A. Tong. 124 Mar.

Constant-current source, high voltage. D. A. Williams. 29 Jan.

Current-limited power supply. A. Royston. 67 Feb., *Corrections*, 110 Mar., 424 Sept.

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Distortion monitor, portable. J. L. Linsley Hood. 306 July, *Correction*, 480 Oct.

Dual-trace oscilloscope unit, W. T. Cocking. 19 Jan.

Electric heater control. R. M. Marston. 287 June, *Letters*, 480 Oct.

Electronic electricity meter, experimental. L. A. Trinogga. 33 Jan.

—, multimeter, simple. J. L. Linsley Hood. 279 June, *Addition*, 319 July, *Letters*, 388 Aug.

Free roving machine. M. F. Huber. 593 Dec.

Frequency meter, linear. D. Anderson. 38 Jan.

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High-power audio amplifier design. R. B. H. Becker. 79 Feb., *Letters*, 114 Mar., 226 May

—, voltage constant-current source. D. A. Williams. 29 Jan.

Horn loudspeaker. J. Greenbank. 14 Jan.

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Meter amplifier, universal. A. J. Ewins. 61 Feb., *Letters*, 175 Apr.

—, i.c. peak programme meter. L. Nelson-Jones. 515 Nov.

—, linear decibel. J. H. Smith. 488 Oct.

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Mobile/portable power unit for h.f. transceiver. D. R. Bowman. 601 Dec.

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Muscle voltages, simple amplifier for. R. E. George. 495 Oct., *Correction*, 544 Nov.

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—, distortion monitor. J. L. Linsley Hood. 306 July, *Correction*, 480 Oct.

Power supply, current-limited. A. Royston. 67 Feb., *Correction*, 110 Mar., 424 Sept.

Power unit for h.f. transceiver, mobile/portable. D. R. Bowman. 601 Dec.

Pre-amplifier, audio, using operational amplifier techniques, D. Meyer. 309 July, *Letters*, 479 Oct., 575 Dec., *Correction*, 544 Nov.

—, low-impedance for microphone. J. M. Howells & J. R. Jones. 36 Jan.

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'Scopes, d.c., trace quadrupler. D. Bollen. 204 May, *Letters*, 479 Oct.

Simple amplifier for muscle voltages. R. E. George. 495 Oct., *Correction*, 544 Nov.

—, electronic multimeter. J. L. Linsley Hood. 279 June, *Addition*, 319 July, *Letters*, 388 Aug.

Sound pressure-level meter. J. L. Linsley Hood. 167 Apr.

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Transceiver, amateur, 10-80 metre. D. R. Bowman. 256 June, 325 July, 371 Aug., 437 Sept., *Corrections*, 480 Oct.

—, hand-portable. D. A. Tong. 154 Apr., *Corrections*, 285 June, 424 Sept.

Transmission-line loudspeaker enclosure. A. R. Bailey. 215 May, *Letters*, 477 Oct.

Universal meter amplifier. A. J. Ewins. 61 Feb., *Letters*, 175 Apr.

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Multiplex TV transmitters, L.W. Turner, 13 Jan.

Noise — white, pink, red, R.N. Baldock, 476 Oct., H.D. Harwood, 522 Nov.

Op-amp pre-amp, D.R.S. Hedgeland, 575 Dec.
Op-amp transfer characteristic, B.L. Hart, 387 Aug., T. Roddam, 480 Oct.

Power supply for f.m. tuner and decoder, P. Lacey, 10 Jan.
Pre-amp for ceramic pickups, B.J.C. Burrows, 10 Jan.
Pre-amplifier using op-amps, M. Dreyfus, 479 Oct.

Regulated power supplies, M.L.G. Oldfield, 520 Nov., Correction, 594 Dec.

S.S.B. on medium waves? G.M. Ward, 476 Oct.
Self-biasing class A power amplifier, W. Allison, 577 Dec.
Servicing help needed, A.J. Smale, 523 Nov.
Simple d.c. amplifier, P.D. Bailey, 424 Sept.
— electronic multimeter, D. Jones, 388 Aug.

Sinclair pocket calculator, C.M. Sinclair, 423 Sept.
Soldering aluminium alloy, W.S. Williams, 389 Aug.
Stereo cassette tape decks, H.V. Hempleman, 264 June
— decoder, phase locked loop, P. Lacey, 177 Apr.
Swept-frequency audio oscillator, R. Curling-Hope, 73 Feb.
Synchronous detector, H. Leopold, 523 Nov.

T.T.L. trigger circuits, D.B. Stiles, 73 Feb., M.F. Arnold, 116 Mar.

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— noise reduction, W.H. Myall, 266 June

Television sound quality, D.T.N. Williamson, G.J. King, 114 Mar.
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Transmission-line speakers, P.A. Sheppard, 477 Oct.
Tree effects in TV reception, M.G. Scroggie, 478 Oct., F.L. Devereux, 575 Dec.

Turntable construction, R.G. Brown, R. Ockleshaw, 115 Mar.

Universal meter amplifier, G. Hibbert, A.J. Ewins, 175 Apr.

Voltage controlled oscillators, D.B. Stiles, 265 June

White-noise generator, H. Sutcliffe, H.R. Beasall, Nicholas Lewis, 223 May, D.E.O.N. Waddington, 264 June

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— universal meter, A.J. Ewins, 61 Feb., Letters, 175 Apr.

Constant-current source, high voltage, D.A. Williams, 29 Jan.

D.C. scopes, trace quadrupler, D. Bollen, 204 May, Letters, 479 Oct.

Decibel meter, linear, J.H. Smith, 488 Oct.
Digital and analogue dividers, P.R. Darrington, 529 Nov.
Distortion monitor, portable, J.L. Linsley Hood, 306 July, Correction, 480 Oct.
Dual-trace oscilloscope unit, W.T. Cocking, 19 Jan.

Electronic multimeter, J.L. Linsley Hood, 279 June, Addition, 319 July, Letters, 388 Aug.
Experiments with operational amplifiers, G.B. Clayton, 272 June, 324 July, 391 Aug., 425 Sept., 524 Nov., Letters, 387 Aug., 480 Oct.

Frequency meter, linear, D. Anderson, 38 Jan.

High-power loudspeaker voice coils, working temperatures of, A.E. Falkus, 543 Nov.
— voltage constant-current source, D.A. Williams, 29 Jan.

I.C. peak programme meter, L. Nelson-Jones, 515 Nov.

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— sound pressure-level, J.L. Linsley Hood, 167 Apr.
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Recording level meter and a.g.c., J.M. Bryant, 169 Apr.

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Sound pressure-level meter, J.L. Linsley Hood, 167 Apr.

Trace quadrupler for d.c. scopes, D. Bollen, 204 May, Letters, 479 Oct.

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