

SHORT WAVE MAGAZINE

INDEX TO VOLUME XII

MARCH 1954—FEBRUARY 1955
(696 PAGES)

Publishers

The Short Wave Magazine Ltd.
55 Victoria Street, London, S.W.1

Managing Editor

Austin Forsyth, O.B.E. (G6FO)

Loose Supplement, March, 1955

INDEX TO CONTRIBUTORS

B	Page	L	Page
BELCHER, J. C. (G3FCS) The Folded Ground Plane	Oct 432	LAYZELL, G. F. C. (G3AMM) Mobile Station G3AMM/M on Eighty	Sep 368
BLACKIE, L. (G3DIJ) Sine Wave All the Way	Aug 312		
BOOTH, J. (G3DMP) Simple VFO-PA for 160 Metres	Apr 86		
BRETT-KNOWLES, R., Inst Lt-Cdr., R N (G3AAT) Story of G3AAT/OX	Feb 682		
BROOKMAN, A. K., B.Sc., A R C S. (G3FLP) Break-in Keying System	Nov 480		
Miniature Oscilloscope, Part I	Feb 671		
C		M	
CAIN, A. H. (VQ2AH) HF Band Table-Topper	Feb 658	MacLEAN, D., Lieut R Sigs. A.W.R.S Reporting Again	Feb 684
CARMENT, P. M., M.B.E., Assoc Brit I R E (G5WW) Open Wire Transmission Lines	Sep 371	MAINPRISE, B. W. F., B.Sc., A M I E E. (G5MP) Note on Relay Operation	May 157
CHREES, S. T. (G3DZW) Winding VHF Coils	Jan 622	MAXWELL, J. E. (G13ML) Measuring Unknown Frequencies	Jan 605
CORLETT, W. E., Grad. Brit I R E Feedback Audio Amplifier	Dec 548	MILLINGTON, J. G. (G3JGM) Truth and Fiction	Mar 33
CRANFIELD, K. W. Noise in the Aerial	Nov 504		
D		O	
DEVON, A. J. Cavity Converter for Two Metres	Jan 615	OLD TIMER, The Aerials and Common Sense	Apr 82, May 152, Jun 200
Lines of Thought	Nov 515	Random Jottings	Mar-Feb 53, 117, 237, 349, 407, 517, 573, 629, 686
VHF Bands	Mar-Jan 41, 102, 169, 228, 285, 337, 399, 451, 506, 563, 618	OSBORNE, J. M., M.A. (Oxon), (G3HMO) Transmission with Transistors	Mar 10
DRYDEN, D. R. (G3BKQ) Low-Noise High-Gain Converter for 430 mc	Jul 256	Making Your Own Transistors	Apr 74
		Transistor Topics	May-Sep 163, 219, 280, 327, 387
		OXLEY, G. C., A M I E E. (DL2MW-G8MW) Practical Noise Generator	Sep 379
F		P	
FARRAR, W., B.Sc. (G3ESP) The Carbon Microphone	Nov 485	PARROTT, R. A. (G3HAL) Inductance Measurements Simplified	Mar 20
FELTON, K. E., B.E.M. (G3IEF) Watch Those RF Chokes	Jan 627	POWELL, P. J. (G3EFD) Automatic Change-Over System	Oct 434
FINCH, C. W. (G3AHO) Crystal Controlled Frequency Marker	Aug 316		
G		R	
GLAISHER, R. (G6LX) Screening Materials for TVI	Mar 16	REW, R. (G3HAZ) Tripler for Seventyccms	May 140
H		RIGG, W. E. (VQ2WR) Tri-Band VFO	Jul 265
HAGUE, F. (ZB1AH) Super Modulation Simplified	Sep 377	Ohm's Law Ready-Reckoner	Jan 598
HOOPER, A. H. (G3EGB) VHF Weather Report	Mar-Dec 44, 108, 176, 233, 292, 344, 404, 457, 512, 568		
J		S	
JEWITT, H. S., B.Sc., Grad. I E E (G2FXI) Broad Band Amplification	Mar 46	SCHREUER, W. (VK2AWU) Horn Beam for VHF	Mar 34
JOHNSON, E. (G2HR) Simple S-Meter Fitting	Jun 211	SCOTT, R. C. (G3DXI) Peaking CW Signals	Aug 318
Link Coupling Precautions	Jan 623	SMITH, H. E. (G6UH) Oscillator Injection at VHF	Apr 100
JONES, R. B. (VK3BG) Antarctic DX Station	Mar 30	Element Length for VHF Beams	Aug 347
		SPOONER, N. P. (G2NS) HF Signal Booster	Mar 18
		Personal Touch in TVI	Apr 95
		Safe Top Bander	Oct 426
		Boosting and Marking	Nov 482
		Practical Harmonic Detector	Dec 538
		Some Log Book Memories	Jan 624
		STEVENS, C. C. (G6XH) VFO for Two Metres	Sep 393

	Page
STEVENS, W. N. (G3AKA) Microphone Types and Applications	Jan 599
SWINNERTON, G. A. (G6AS) Versatile Long-Wire Aerial	Nov 486
SYKES, B. (G2HCG) The Skeleton Slot Aerial System	Jan 594
I	
IAYLOR, A. D. (G8PG) Tackling the Radio Amateurs' Examination "So You've Passed R A E." Practical Use of Relays Reducing Break-Through on TV IF's	Mar 22 Jul 268, Aug 319 Dec 545 Feb 677
THOMAS, L. H., M.B.E. (G6QB) DX Commentary ... 272, 322, 381, 436, 490, 550, 606, 664 Top Band Trans-Atlantic Tests, 1954	Mar-Feb 24, 89, 158, 213, May 136

	Page
W	
WARD, A. F. (VQ4FB) Some HRO Modifications	Dec 542
WARD, A. J. (G3WD) Improving the R.1224A	Aug 317
WESTON, R. F. (G2BVW) Two-Band VHF Receiver	Mar 36, Apr 111
WHITBY, G. Comprehensive Metering	May 148
WILLIS, K. E. V., B.Sc., A.R.C.S. (G8VR) The Principles of Super-Regeneration	Nov 487
WOOD, A. G. (G5RZ) Case of TVI Improved Two-Metre Converter Starting on 25 Centimetres, Part I	May 178 Aug 332 Feb 650
WOODHEAD, H. C. (G2NX) All About Crystal-Grinding	Jun 207
WYER, F. E. (G8RY) Speech Clipper Circuit	Nov 504

GENERAL INDEX

AERIALS AND FEEDERS

	Page
Aerial Coverage Table	Apr 84
Aerial Earthing Arrangements	Jun 218
Aerials and Common-Sense	Apr-Jun 82, 152, 200
Aerials, Long Wire	Apr 83
Beam Design for VHF	Oct 446
Breaking Up Aerial Guy Wires	Nov 511
Element Length for VHF Beams	Aug 347
Folded Ground-Plane	Oct 432
Ground-Planes	Jun 201
Horn Beam for VHF	Mar 34
Link-Coupling Precautions	Jan 623
Noise in the Aerial	Nov 504
Open Wire Transmission Lines	Sep 371
Skeleton Slot Aerial System	Jan 594
Versatile Long-Wire Aerial	Nov 486

DX

Certificate of Merit — G6GM	Feb 665
County-Scoring — New Idea?	Jan 604
DX Commentary	see Monthly Features
Five-Band DX Tables	see DX Commentary, monthly
LABRE Contest Rules	Aug 325
Magazine DX Certificates	Apr 91, Jun 218, Aug 323, Sep 384, Nov 492, Feb 666
Ten-Metre Activity Sunday	Jul 273, Sep 381
21-mc Marathon	see DX Commentary, monthly
VK/ZL Contest Rules	Aug 323

EDITORIALS

Outlook	Mar 9
Interference	Apr 73

Solution?	May 135
Justice	Jun 199
Repercussion	Jul 255
QRPP	Aug 311
Competition	Sep 367
Reversion	Oct 425
Miniaturisation	Nov 479
Christmas	Dec 537
Scope	Jan 593
Coverage	Feb 649

EXCITERS AND VFO'S

High-Stability VFO	Apr 87, Jun 227
Three-Stage VFO-Exciter	Feb 659
Tri-Band VFO	Jul 265
VFO for Two Metres	Sep 393

GENERAL-INTEREST ITEMS

Amateur Exhibition in GD	Jan 617
Amateur's Contribution	Jun 236
Another Child Prodigy	Jul 291
Audio-Frequency Power Measurement	Feb 690
BCM/QSL, London, W.C.1	Nov 503
British North Greenland Expedition	Sep 380, Feb 682
Broadcast Receiving Licences	Jul 291, Dec 567, Feb 690
Cable Ship "Alert"	Mar 58
Call-Book, Amateur	May 139, Aug 343, Dec 555, Feb 676
Call-Sign Sequence	Nov 484
Characteristics of 60° Horn Beam	Mar 34
Continental Holiday Plan	Apr 94
Copper Mesh for TVI-Proofing	Mar 17

	<i>Page</i>
Coventry Corporation on VHF	Apr 107
Crystals for VHF	Apr 121
DL2 QSL Bureau	May 183
EDR "OZ-CCA" Contest	Apr 121
Electronic Contract for Britain	Mar 40
French Radio Exhibition	Mar 40
Great Circle Map	Jun 236, Aug 355
Harmonic Relationship, Amateur Bands	Jul 277
Honours and Promotions	Jul 267, Feb 670
Hugo Gernsback	May 183
Insignia Award in Technology	Apr 121
Inventor of the Thermionic Valve	Dec 547
Latest ARRL Handbook	Aug 351
Light-Weight Accumulators for Royal Tour Recordings	May 168
Mobile Radio Users' Association	Oct 450
M.V. "Aries"—GRVM	Jun 218, Jul 284, Sep 392
Mullard Transistors	Apr 88
Multicore Wire Stripper	Apr 121
New Components Factory	Jul 291
New Eddystone Catalogue	Mar 40
New Mobile Laboratory for Field Work	Jan 622
Obtaining a DL2 Licence	Jan 628
Our Changing Times (DL2/4 Activity)	Oct 463
Paradise for Sale	Jun 218
Pye "Swordfish"	Feb 690
"Quickdraw" Device	Mar 58
QSL's from G3AAT/OX	Jan 605, Feb 683
"Radio Curb on Reds"	Oct 463
Radio Licence Fees Illegal!	Dec 562
RECMF Exhibition	Mar 19, Apr 88
Research on Mount Pilatus	Mar 44
R.A.F. Voluntary Radio Service	Jul 270
Solderless Wiring	Feb 683
Some Constructional Ideas	Nov 515
Switch Cleaner	Jun 242
VERON—New QTH	Oct 463
VHF Transmitters for the BBC	May 157
Walk-Round Radio Store opens	Nov 486
Work it out Yourself!	Nov 521
WN/KN Call-Signs	Jun 227
XYL View-Point	Feb 670
Youngest EI/GI?	Jan 621

KEYING AND CONTROL

Automatic Change-Over System	Oct 434
Break-In Keying System	Nov 480
Note on Relay Operation	May 157
Practical Use of Relays	Dec 545

LICENSING AND THE R.A.E.

Another R.A.E. Course	Oct 459
Courses for the R.A.E.	Aug 321, Sep 406
New Licence Arrangements	Jul 279
October Licence Examination	Jul 284, Aug 317
Radio and TV Classes	Nov 484
R.A.E. (Closing Date)	Mar 43
R.A.E. 1954, Question-Paper	Nov 496
"So You've Passed R.A.E."	Jul 268, Aug 319
Structure of the Amateur Bands	Jul 277
Tackling the R.A.E.	Mar 22

MEASUREMENTS, METERS, TEST EQUIPMENT

Comprehensive Metering	May 148
Crystal Controlled Frequency Marker	Aug 316
Inductance Measurements Simplified	Mar 20

	<i>Page</i>
Measuring Unknown Frequencies	Jan 605
Miniature Oscilloscope, Part I	Feb 671
Ohm's Law Ready Reckoner	Jan 598
Practical Noise Generator	Sep 379
Simple S-Meter Fitting	Jun 211

MISCELLANEOUS

All About Crystal-Grinding	Jun 207
Amateur History—What Next?	Mar 35
Antarctic DX Station (VK1EG)	Mar 30
Band-Edge Marker	Nov 482
Boosting Mains Voltage	Nov 482
Broad Band Coupler Design	Mar 42
Cautionary Cantatas	Aug 355, Nov 521
Changing Crystal Frequencies	Jul 271
Coast Station Frequencies	Oct 426
Courses in Electronics and Communications Engineering	Sep 411
Curing Lazy Crystals	May 180
Early QRP DX Record	Mar 33
Eighth Annual Amateur Radio Exhibition	Nov 503, Dec 571
G.E.C. Micro-Wave Link in European IV	Jul 284
HF Band Table-Topper	Feb 658
H.R.H. Signs VE8RZ	Sep 386
Index, Volume XI	Mar 32, Apr 94
John Ambrose Fleming—Jubilee Commemoration	Dec 547
Lines of Thought	Nov 515
Low-Capacity Variable Condensers	May 175
M.C.C., The Ninth	Sep 390, Oct 463, Nov 505, Jan 632
Mobile Handbook	Mar 32
Mullard High and Low-Pass Filters	Aug 336
National Radio Show	Aug 317, Jan 617
New Indian Organisation	Aug 336
New Periodical (Philips)	Nov 516

Obituary:

R. Bloxam, GM6LS	Dec 562
A. Brookson, G3IP	Dec 562
W. Crundall, G3BUZ	Sep 411
H. J. Eaves, G6UQ	Feb 685
A. E. Groom, G2QX	Apr 107
J. E. Nickless, G2KI	Jun 206
H. Rieder, ZS1P	Feb 685
J. Twine, ZS1A	Feb 685

Portable Test Masts in Aluminium	Aug 331
Radio Altimeter at Physical Society Exhibition	May 175
Rating of Transformers	Jul 271
Robert Ford, AC4RF	Dec 559
RSGB National Convention	Sep 392
Some Log Book Memories	Jan 624
South African Request	Sep 386
Structure of the Amateur Bands	Jul 277
Story of G3AAT/OX	Feb 682
Truth and Fiction	Mar 33
Watch those RF Chokes	Jan 627
Xtal Xchange	May 175, Jun 227, Jul 284, Sep 411

MODULATION AND AUDIO EQUIPMENT

Feedback Audio Amplifier	Dec 548
Microphone Types and Applications	Jan 599
Modulation Code	Nov 516
Speech Clipper Circuit	Nov 504
Super Modulation Simplified	Sep 377
The Carbon Microphone	Nov 485

MONTHLY FEATURES

Cards in the Box	Mar-Dec 32, 81, 279, 386, 450, 577
DX Commentary	Mar-Feb 24, 89, 158, 213, 272, 322, 381, 436, 490, 550, 606, 664

	Page
Letters to the Editor	Apr-Dec 97, 167, 222, 295, 350, 391, 497, 560
Month with the Clubs	Mar-Feb 55, 119, 184, 239, 297, 354, 410, 461, 519, 575, 688
New QTH's	Mar-Jan 52, 116, 181, 352, 408, 460, 572, 630
Other Man's Station:	
G2PN	Mar 54
G3FUR	Apr 118
G3JGM	May 182
G13IEO	Jun 238
G6OJ	Aug 353
GM3GAB	Sep 409
G3JBR	Nov 518
G6BS	Dec 574
G2HJI	Jan 631
G3IRE	Feb 687
Random Jottings	Mar-Feb 53, 117, 237, 349, 407, 517, 573, 629, 686
Transistor Topics	May-Feb 163, 219, 280, 327, 387, 442, 499, 556, 612, 679
VHF Bands	Mar-Jan 41, 102, 169, 228, 285, 337, 399, 451, 506, 563, 618

PORABLES AND MOBILES

G2AIK, Portable/Mobile	Oct 455
Mobile Station G3AMM/M on Eighty	Sep 368

RECEIVERS

AR77 Modifications (BFO)	Aug 318
Broad Band Amplification	Mar 46
HF Preselector Unit	Jun 204
HF Signal Booster	Mar 18
Improving the R.1224A	Aug 317
Peaking CW Signals	Aug 318, Dec 548
Principles of Super-Regeneration	Nov 487
Some HRO Modifications	Dec 542, Jan 621

REFERENCES AND USEFUL DATA

AR77, BFO Modification — Circuit	Aug 318
All-Transistor Station — Block Diagram	Jun 221
Automatic Change-Over Unit — Circuit and Values	Oct 435
Band-Edge Marker — Circuit and Values	Nov 484
Broad Band Couplers — Design data	Mar 51
Coast Station Frequencies	Oct 426
Co-axial Oscillator for 25 cm — Circuit and Values	Feb 655
Crystal Marker Oscillator for 1 mc — Circuit and Values	Aug 316
Daylight-Powered Audio Oscillator — Circuit and Values	Sep 387
Daylight-Powered Transistor Transmitter — Circuit and Values	Oct 443
Diode Keying Unit — Circuit and Values	Nov 481
Element Lengths, VHF Beams — Graph	Aug 347
Frequency Relationships for TVI	May 180
Harmonic Detector — Circuit and Values	Dec 538
Harmonic Relationships of Amateur Bands — Diagram	Jul 277
Heterodyne Crystal Set for CW	Jan 614
HF Signal Booster — Circuit and Values	Mar 19
Home-made Transistors — Design details	Apr 78
Horn Beam — Constructional Data	Mar 35
Impedance of transmission lines — Graph	Sep 372
Local Calling Device (Transistor) — Circuit and Values	Dec 556
Microphones, Frequency Response	Jan 603
Miniature Great-Circle Map	Apr 83

	Page
Modulator, Screen Control, Circuit and Values	Feb 663
Modulator, Low Power, Circuit	Apr 87
Modulator, Miniature Valve, for Mobile Transmitter, Circuit	Sep 369
Modulator, Simple, Amplitude, Circuit and Values	Oct 430
Modulator, Simple, for Transistor Oscillator	Mar 15
Modulator, Simple, NBFM	Oct 428
Noise Generator — Circuit and Values	Sep 379
Oscilloscope — Circuit and Values	Feb 672
Peaked Audio Amplifier for CW — Circuit and Values	Dec 549
Pierce Oscillator for Crystal Checking	Jun 210
Preselector for 14 and 28 mc — Circuit and Values	Jun 205
RF27 modified for Two Metres — Circuit and Values	Jun 224
Screening Materials — Test Set-Up	Mar 17
Seventy-Cm. Tripler stage — Constructional drawings	May 140
Skeleton Slot data	Jan 596
Test Meter — Wiring Diagram	May 149
Three-Band 75-watt transmitter — Circuit and Values	Feb 659
Top Band transmitter with NBFM — Circuit and Values	Oct 429
Trans-Atlantic Top-Band Tests — Contacts tabulated	May 137
Transistor CW/Phone Transmitter — Circuit and Values	May 165
Transistor Receiver for 160-Metres — Circuit and Values	Jul 283
Two-Band VHF Receiver — Block Schematic and Circuit	Mar 37, 39
Two-metre converter with push-pull RF — Circuit and Values	Aug 334
Two-metre VFO — Circuit and Values	Sep 395
Two-terminal Oscillator	Mar 21
VFO, high-stability — Circuit and Values	Apr 87
VFO for 7, 14, 21 mc — Circuit and Values	Jul 265
VHF Receiver, IF Section — Circuit and Values	Apr 112
VHF Receiver, NL and Audio — Circuit and Values	Apr 114

TOP BAND

RF Chokes on One-Sixty	Jan 627
Safe Top-Bander	Oct 426, Nov 484
Simple VFO-PA for 160 metres	Apr 86
Top Band Counties Ladder	Mar-Feb 24, 92, 161, 216, 275, 325, 385, 441, 492, 552, 608, 666
Top Band Daylight Test	Jun 214
Top Band Trans-Atlantic Tests, 1953-54	Mar 27, May 136
Top Band Trans-Atlantic Tests, 1954-55	Nov 494, Dec 550, Jan 606

TRANSISTORS

Audio oscillator, Daylight-powered	Sep 387
Audio oscillator, Battery-powered	Aug 329
G.E.C. 40-mc transistor demonstration	May 165
Home constructed transistors	Mar 10
Local calling circuit	Dec 556
Making your own transistors	Apr 74
Mullard transistors	Apr 88
Transistor contact record	Jun 220, Jul 282, Sep 390
Transistor Receiver Circuits:	
Simple single-stage, 160 metres	Mar 14
Two-stage for 160 metres	Jul 283
Three-stage superheterodyne, for 160 metres	Feb 679