INDEX TO PRINCIPAL ARTICLES

Alphabetically by Titles

A.2219 PSU Modifications ............ Oct 488
About the HRO Receiver, Part I ........ Nov 539
About the HRO Receiver, Part II ........ Jan 652
About the HRO Receiver, Part III ......... Feb 719
Absorption Wavemeter for VHF .......... Feb 725
Advice to a Beginner ................ Nov 530
Answers? (Editorial) ..................... Sep 393
Attack (Editorial) ..................... Feb 713
BC-221 as an Audio Signal Generator .... Oct 458
Bandspreading the Canadian 52 ........ Feb 717
Cambridge Radio Telescope ........ Sep 394
Cheap Beam for Twenty Metres .......... Aug 340
Chimney for 4X150A ................ Mar 17
Christmas (Editorial) ................ Dec 585
Club-Reviver Programme, A ........ Jul 310
Codor A.T.5 (Test Report) ........ Aug 336
Communication and DX News (feature) .... Monthly
Communication Tests on Eighty Metres .... Dec 592
Control Circuit for Quick Change-Over .... Feb 743
Convention (Editorial) ........ Oct 457
Converter for Four Metres ........ Mar 18
Crystal-Controlled Transistor Oscillators .... Oct 464
Discussing Single Sideband, Part I .... Dec 594
Discussing Single Sideband, Part II .... Jan 660
Discussing Single Sideband, Part III ... Feb 736
Do We Suffer from our Image? .......... Apr 97
Do You Know That ..........Mar 16, May 143,
Jun 248, Jul 270, Aug 342, Nov 531

Dual-Speed Governor for Teleprinter
Machines ................Dec 605
Effective Utilisation of Space, The .......... Sep 414
Electronic Dots and Manual Dashes .......... Jun 241
Energetic Electron, The ............... Dec 618
G3RKK HF-Band Transmitter (final notes) Apr 87
Generator for Accurate Noise Measurement Mar 12
Goonhilly and Early Bird ........ May 159
Heathkit SB-400 (Test Report) .......... Apr 82
Improving the Eddystone S.640 Receiver .... Jan 672
Instruction for the R.A.E. (list of centres) ... Aug 375
Intruders on the Amateur Bands ........ Oct 473
Key-Controlled Change-Over ........ Jun 218
Licence Conditions and Their Enforcement ... Jan 686
Log-Periodic Aerial System .......... Jul 268
Loop Reception on Top Band ........ Jul 275
MCC, The Twentieth—Rules and Club Identifications .......... Oct 499
MCC, The Twentieth—Report and Results ... Jan 679
Microphone for Mobile ........ May 151
Miniature Top Band Transmitter .......... Feb 714
Miscellany—Comment on the Times ....... Mar 41
Jun 215, Jul 277, Sep 417, Oct 480, Dec 607
Mobile Microphone Mount ........ Oct 465
Modifications for the AR77 ........ Jun 206
Modifying the Original “Vanguard” .......... May 156
### INDEX TO PRINCIPAL ARTICLES, Alphabetically by Titles—continued

<table>
<thead>
<tr>
<th>Article</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modulated Calibration Oscillator</td>
<td>Apr 105</td>
</tr>
<tr>
<td>Modulated Frequency Marker Unit</td>
<td>May 140</td>
</tr>
<tr>
<td>Month with the Clubs, The (feature)</td>
<td>Monthly</td>
</tr>
<tr>
<td>More Bandspread for the HE-30</td>
<td>Jun 217</td>
</tr>
<tr>
<td>Narrow-Band Frequency Modulation for a Two-Metre Transmitter</td>
<td>May 146</td>
</tr>
<tr>
<td>New QTH's (feature)</td>
<td>Monthly</td>
</tr>
<tr>
<td>Noise-Limiter for the CR-100</td>
<td>Jun 207</td>
</tr>
<tr>
<td>Novel Q-Multiplier and Detector Circuit</td>
<td>Apr 79</td>
</tr>
<tr>
<td>Occupancy (Editorial)</td>
<td>Aug 329</td>
</tr>
<tr>
<td>Oscar III (Editorial)</td>
<td>Apr 75</td>
</tr>
<tr>
<td>Oscar III (results and comments)</td>
<td>Apr 109</td>
</tr>
<tr>
<td>Outlook (Editorial)</td>
<td>Jan 651</td>
</tr>
<tr>
<td>Overhearing (Editorial)</td>
<td>Jul 265</td>
</tr>
<tr>
<td>Panoramic Monitor-Alarm Unit</td>
<td>Dec 586</td>
</tr>
<tr>
<td>Passing the R.A.E.</td>
<td>Apr 95</td>
</tr>
<tr>
<td>Power Measurement on Amateur SSB Transmitters</td>
<td>Dec 599</td>
</tr>
<tr>
<td>Practical Application of Semiconductors, Part VIII, Oscillators II</td>
<td>Mar 31</td>
</tr>
<tr>
<td>Practical Application of Semiconductors, Part IX, IF Amplifiers</td>
<td>May 149</td>
</tr>
<tr>
<td>Practical Application of Semiconductors, Part X, IF Amplifiers (RTTY)</td>
<td>Jun 208</td>
</tr>
<tr>
<td>Practical Application of Semiconductors, Part XI, T/P Motor Speed Control</td>
<td>Jan 665</td>
</tr>
<tr>
<td>Practical Phase-Shift Oscillators</td>
<td>Aug 343</td>
</tr>
<tr>
<td>Printed Circuits for Amateur Equipment</td>
<td>Apr 80</td>
</tr>
<tr>
<td>Receiver Unit for AM/CW/SSB Using Semiconductors</td>
<td>Mar 27</td>
</tr>
<tr>
<td>Record (Editorial)</td>
<td>Nov 523</td>
</tr>
<tr>
<td>Relay-Less Regulator for Car Alternators</td>
<td>Jun 210</td>
</tr>
<tr>
<td>RTTY Topics (feature)</td>
<td>Apr 90, Jun 212, Aug 345, Oct 469, Dec 601</td>
</tr>
<tr>
<td>Series-Modulation</td>
<td>May 144</td>
</tr>
<tr>
<td>Servicing the AR88, Part I</td>
<td>Oct 461</td>
</tr>
<tr>
<td>Servicing the AR88, Part II</td>
<td>Nov 524</td>
</tr>
<tr>
<td>Shunt Stabiliser</td>
<td>Nov 544</td>
</tr>
<tr>
<td>Simple Mast Clamp</td>
<td>Mar 32</td>
</tr>
<tr>
<td>Simple Noise Generator</td>
<td>Apr 88</td>
</tr>
<tr>
<td>Single-Sideband Transmitter for 160 Metres</td>
<td>Jul 285</td>
</tr>
<tr>
<td>Simplified Transistor Transmitter for the LF Bands</td>
<td>Sep 403</td>
</tr>
<tr>
<td>Conclusion</td>
<td>Oct 466</td>
</tr>
<tr>
<td>S-Meter Circuit for a Transistor Receiver</td>
<td>Feb 751</td>
</tr>
<tr>
<td>S-Meter Modification for the HRO Receiver</td>
<td>Sep 408</td>
</tr>
<tr>
<td>Some Equipments Built from &quot; Magazine &quot;</td>
<td>Articles Nov 527</td>
</tr>
<tr>
<td>Some Notes on Receiver Design</td>
<td>Mar 40</td>
</tr>
<tr>
<td>Sphinx SSB Transmitter, Notes on</td>
<td>Sep 399</td>
</tr>
<tr>
<td>&quot;SWL&quot;—Listener Feature</td>
<td>Bi-monthly</td>
</tr>
<tr>
<td>&quot;The Amateur is Helpful&quot;</td>
<td>Oct 489</td>
</tr>
<tr>
<td>The Highest, The Longest and The Mostest</td>
<td>Aug 349</td>
</tr>
<tr>
<td>Tidy Steel Tower</td>
<td>Jul 272</td>
</tr>
<tr>
<td>Tone Control Unit (for speech compressor)</td>
<td>Jun 216</td>
</tr>
<tr>
<td>Top Band from Sierra Leone</td>
<td>Jul 283</td>
</tr>
<tr>
<td>Transistor Converter for Two Metres</td>
<td>Jun 204</td>
</tr>
<tr>
<td>Transistor Converter for 40 Metres</td>
<td>Jun 220</td>
</tr>
<tr>
<td>Transistor Converter for 70 Centimetres</td>
<td>Apr 76</td>
</tr>
<tr>
<td>Transistor Transmitter for the LF Bands</td>
<td>Mar 21</td>
</tr>
<tr>
<td>Transistor Transmitter for Top Band</td>
<td>Aug 330</td>
</tr>
<tr>
<td>Mobile</td>
<td>Mar 11</td>
</tr>
<tr>
<td>Transistory (Editorial)</td>
<td>Feb 723</td>
</tr>
<tr>
<td>Two-Band Aerial System for Restricted Space</td>
<td>Mar 30</td>
</tr>
<tr>
<td>Twenty-Element Crossed Yagi Array</td>
<td>Apr 107</td>
</tr>
<tr>
<td>Typewriter CW Sender</td>
<td>Feb 744</td>
</tr>
<tr>
<td>Vexations (Editorial)</td>
<td>Jun 203</td>
</tr>
<tr>
<td>VHF Bands (feature)</td>
<td>Monthly</td>
</tr>
<tr>
<td>VHF (Editorial)</td>
<td>May 139</td>
</tr>
<tr>
<td>Visual Indication for the GDO</td>
<td>Jun 224</td>
</tr>
<tr>
<td>VS9SF on Socotra</td>
<td>Jun 221</td>
</tr>
<tr>
<td>YL's First Encounter, A</td>
<td>Feb 734</td>
</tr>
</tbody>
</table>

### PRINCIPAL ARTICLES—BY ISSUES MONTHLY

**Certain Features which appear every month are not included**

**MARCH, 1965**

- Chimney for 4X150A
- Converter for Four Metres
- Do You Know That
- Generator for Accurate Noise Measurement
- Miscellany
- Other Man's Station, The—G2XW
- Practical Application of Semiconductors, Part VIII, Oscillators (II)
- Receiver Unit for AM/CW/SSB Using Semiconductors
- Simple Mast Clamp
- Some Notes on Receiver Design
- "SWL"—Listener Feature
- Transistor Transmitter for the LF Bands
- Two-Band Aerial System for Restricted Space

**APRIL, 1965 (continued)**

- Modulated Calibration Oscillator
- Novel Q-Multiplier and Detector Circuit
- Oscar III—March 1965
- Other Man's Station, The—G3SCW
- Passing the R.A.E.
- Printed Circuits for Amateur Equipment
- RTTY Topics
- Simple Noise Generator
- Transistor Converter for 70 Centimetres
- Twenty-Element Crossed Yagi Array—For Space Communication

**MAY, 1965**

- Do You Know That
- Goonhilly and Early Bird
- Microphone for Mobile
- Mobile Scene, The
- Modifying the Original "Vanguard"
- Modulated Frequency Marker Unit
- Narrow-Band Frequency Modulation for A Two-Metre Transmitter
MAY, 1965 (continued)
Other Man's Station, The—EA4AO
Practical Applications of Semiconductors, Part IX, IF Amplifiers
Series-Gate Modulation
“SWL”— Listener Feature

JUNE, 1965
Do You Know That
Electronic Dots and Manual Dashes
Key-Controlled Change-Over
Miscellany—Comment on the Times
Mobile Scene, The
Modifications for the AR77
More Bandspread for HE-30
Noise-Limiter for the CR-100
Other Man's Station, The—G3TUV
Practical Applications of Semiconductors, Part X, IF Amplifiers (RTTY)
Relay-Less Regulator for Car Alternators
RTTY Topics
Tone Control Unit (for Speech Compressor)
Transistor Converter for Two Metres
Transistor Converter for 40 Metres
Visual Indication for the GDO
VS9SJF on Socotra

JULY, 1965
Club-Reviver Programme, A
Do You Know That
Four-Band Bi-Directional Array, A
Long-Periodic Aerial Systems
Loop Reception on Top Band
Miscellany
Mobile Scene, The
Single-Sideband Transmitter for 160 Metres
Specially on The Air
“SWL”— Listener feature
Tidy Steel Tower
Top Band from Sierra Leone

AUGUST, 1965
Cheap Beam for Twenty Metres
Codar A.T.S. The—Test Report
Do You Know That
Instruction for The R.A.E.
Mobile Scene, The
Other Man's Station, The— G8NY
Practical Phase-Shift Oscillators
RTTY Topics
Specially on The Air
The Highest, The Longest and The Mostest
Transistor Transmitter for Top Band Mobile

SEPTEMBER, 1965
Cambridge Radio Telescope
Effective Utilisation of Space, The
Miscellany
Mobile Scene, The
More Courses for the R.A.E.
Other Man's Station, The—G3NLM
S-Meter Modification for the HRO Receiver
SimpleTransistor Transmitter for the LF Bands
Sphinx SB Transmitter, Notes on The
“SWL”— Listener Feature

OCTOBER, 1965
A.2219 PSU Modifications
BC-221 as an Audio Signal Generator
Crystal-Controlled Transistor Oscillators
Intruders on the Amateur Bands
Miscellany
Mobile Microphone Mount
Mobile Scene, The
Other Man's Station, The—G2ANB
RTTY Topics
Rules and Club Identifications, MCC
Servicing the AR88, Part I
Simplified Transistor Transmitter for the LF Bands, Conclusion
“The Amateur is Helpful”

NOVEMBER, 1965
About the HRO Receiver, Part I
Advice to a Beginner— Winning Letter
Do You Know That
Other Man's Station, The—G3RJB
Servicing the AR88, Part II
Shunt Stabiliser
Some Equipments Built — from “Magazine” articles
“SWL”—Listener Feature

DECEMBER, 1965
Communication Tests on Eighty Metres
Discussing Single Sideband, Part I
Dual-Speed Governor for Teleprinter Machines
Energetic Electron, The
Jamboree-on-the-Air Report
Miscellany
Other Man's Station, The—6Y5FH
Panoramic Monitor-Alarm Unit
Power Measurement on Amateur SSB Transmitters, G.P.O. Paper
RTTY Topics

JANUARY, 1966
About the HRO Receiver, Part II
Discussing Single Sideband, Part II
Improving the Eddystone S.640 Receiver
Licence Conditions and Their Enforcement
Practical Applications of Semiconductors, Part XI, Teleprinter Motor Speed Control
“SWL”— Listener Feature
Twentieth MCC—Report and Results

FEBRUARY, 1966
A YL's First Encounter
About the HRO Receiver, Part III
Absorption Wavemeter for VHF
Bandspreading the Canadian 52
Control Circuit for Quick Change-Over
Discussing Singleband, Part III
Miniature Top Band Transmitter
Miscellany
Other Man's Station, The—G3MWV
S-Meter Circuit for a Transistor Receiver
Tunable IF Amplifier
Typewriter CW Sender

N.B. All copies available at 3s. 6d. post free — or 42s. for the year of 12 issues, March to February. Binder for 12 copies, 14s. post free.
<table>
<thead>
<tr>
<th>A</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDIE, R. W., M.A. (G8LT)</td>
<td>Dual-Speed Governor for Teleprinter Machines</td>
</tr>
<tr>
<td>ATKIN, F. W. T., A.M.I.E.R.E.</td>
<td>S-Meter Modification for the HRO Receiver</td>
</tr>
<tr>
<td>BEALES, A. E.</td>
<td>Noise-Limiter for the CR-100</td>
</tr>
<tr>
<td>BOURKE, W.</td>
<td>A2219 PSU Modification</td>
</tr>
<tr>
<td>BRENNAN, W. M. (G3CQE)</td>
<td>RTTY Topics</td>
</tr>
<tr>
<td>BRETT-KNOWLES, R. A.</td>
<td>Relay-Less Regulator for Car Alternators</td>
</tr>
<tr>
<td>CARPENTER, A. S., A.M.I.E.R.E. (G3TYJ/G8ABG)</td>
<td>Modulated Frequency Marker Unit</td>
</tr>
<tr>
<td>CLARKE, C. P. (E15AN)</td>
<td>Key-Controlled Change-over</td>
</tr>
<tr>
<td>COX, J. M. (G8AFL)</td>
<td>Generator for Accurate Noise Measurement</td>
</tr>
<tr>
<td>DAVIS, M. I., B.Sc.</td>
<td>The Practical Applications of Semiconductors</td>
</tr>
<tr>
<td>DEAMER, C. E., Grad.I.E.R.E. (G3NDC)</td>
<td>Printed Circuit for Amateur Equipment</td>
</tr>
<tr>
<td>DEVON, A. J.</td>
<td>VHF Bands</td>
</tr>
<tr>
<td>DODD, P. G. (9L1HX)</td>
<td>Top Band form Sierra Leone</td>
</tr>
<tr>
<td>ESSERY, E. P. (G3KFE)</td>
<td>About the HRO Receiver, Part I</td>
</tr>
<tr>
<td>FARRANCE, G. V. (G3KPT)</td>
<td>Control Circuit for Quick Change-Over</td>
</tr>
<tr>
<td>FARRAR, J. (V9SFJ)</td>
<td>V9SFJ on Socora</td>
</tr>
<tr>
<td>FARRAR, W., B.Sc. (G3ESP)</td>
<td>Bandspreading the Canadian 52</td>
</tr>
<tr>
<td>FITCH, N. A. S. (G3FPK)</td>
<td>Intruders on the Amateur Bands</td>
</tr>
<tr>
<td>FORSYTH, A. J. E., O.B.E. (G6FO/G3SWM)</td>
<td>Editor, Editorials; unsigned Articles; Captions and all Paragraph Items. Research, Styling, Layout and Presentation.</td>
</tr>
<tr>
<td>GARDINER, E. L. (G6GR)</td>
<td>Loop Reception on Top Band</td>
</tr>
<tr>
<td>HARRISON, E. G., M.Sc. (G3NWT)</td>
<td>Typewriter CW Sender</td>
</tr>
<tr>
<td>HAYES, B. (G3JU)</td>
<td>Miniature Top Band Transmitter</td>
</tr>
<tr>
<td>HILL, R. (G2ATD)</td>
<td>Modulated Calibration Oscillator</td>
</tr>
<tr>
<td>HILLS, R. C. (G3HRH)</td>
<td>Oscar III—March 1965</td>
</tr>
<tr>
<td>HOLT, E. W. (G3MHQ)</td>
<td>Narrow-Band Frequency Modulation for a Two-Metre Transmitter</td>
</tr>
<tr>
<td>HULBERT, R. J. (G3SRY)</td>
<td>Transistor Transmitter for Top Band</td>
</tr>
<tr>
<td>JANES, S. E. (G2FWA)</td>
<td>Some Notes on Receiver Design</td>
</tr>
<tr>
<td>KIRK, H. N. (G3JKD)</td>
<td>Do We Suffer from Our Image?</td>
</tr>
<tr>
<td>LEEMING, H. (G3LLL)</td>
<td>Servicing the AR88, Part I</td>
</tr>
<tr>
<td>MEACHEN, E. E. (G3SWF)</td>
<td>Mobile Microphone Mount</td>
</tr>
<tr>
<td>MOORE, R. V., B. Sc. (G3LWB)</td>
<td>Transistor Transmitter for the LF Bands</td>
</tr>
<tr>
<td>MORGAN, D. (G3SM)</td>
<td>Tidy Steel Tower</td>
</tr>
<tr>
<td>NORMAN, R. E. (G3NAI)</td>
<td>Cartoonist</td>
</tr>
</tbody>
</table>
INDEX TO CONTRIBUTORS—continued

P
PARKER, A. H. (G3KH)
Chimney for 4X150A .................. Mar 17

R
RAY, R. C. (G2TA)
A Club-Reviver Programme .......... Jul 310
RAYER, F. G. ASSOC.I.E.R.E. (G3OGR)
Communication Tests on Eighty Metres Dec 592
Improving the Eddystone S.640 Receiver Jan 672
READ, N. E. (G6US)
Simple Noise Generator ............. Apr 88

S
SHARPE, C. (G2HIF)
Crystal-Controlled Transistor Oscillators Oct 464
SHEPHERD, A. J. (G3RKK)
The G3RKK HF-Band Transmitter (some final notes) Apr 87
SMITH, W.
S-Meter Circuit for a Transistor Receiver Feb 751
STURT, W. M.
Tunable IF Amplifier (for VHF tuner) Feb 723
SUTHERLAND, W. T. (GM3JWS)
Absorption Wavemeter for VHF .......... Feb 725
SWINNERTON, G. A. (G6AS)
Two-Band Aerial System for Restricted Space .......... Mar 30
THOMAS, L. H. (G6QB)
Communication and DX News (feature) .......... Monthly
Miscellany .................................. Occasional Feature
Month with The Clubs, The (feature) ...... Monthly
"SWL"—Listener Feature ............ Bi-Monthly
The Highest, The Longest and The Mostest .......... Aug 349
TUKE, J. B. (GM3BST)
Panoramic Monitor-Alarm Unit .......... Dec 586
TUNGATE, A. R.
Draughtsman

U
UNSTEAD, F. W. (5Z4GF)
A Four-Band Bi-Directional Array .......... Jul 266

W
WATLING, B. A. (G3RNL)
Discussing Single Sideband .......... Part I Dec 594,
Part II Jan 660, Part III Feb 736
WATTS, G. P. .......................... QSL/QTH Depts.
WEST, I. G. (G3SZC)
Cheap Beam for Twenty Metres .......... Aug 340
Modifications for the AR77 ............ May 156
WILKINSON, S. (G3ZO)
"The Amateur is Helpful" .......... Oct 489
WILSON, J. (5N2AAC)
Transistor Convertor for 40 Metres .......... Jun 220

GENERAL CROSS-REFERENCE INDEX

AERIALS, AERIAL SYSTEMS and SUPPORTS
Aerial resonance indicator (D-Y-K-T) .......... Nov 532
Aerial tuning unit for 160m, TTx .......... Mar 22
Alterning mobile aerial resonance point (D-Y-K-T) .......... Nov 531
Beam rotator device, gram. motor (D-Y-K-T) Jun 249
Cambridge Radio Telescope .......... Sep 394
Cheap Beam for Twenty Metres .......... Aug 340
"Cheap Beam for Twenty Metres" (amendment) .......... Nov 529
Communication Tests on Eighty Metres (aerial systems) .......... Dec 592
Cubical Quad array (picture) .......... Dec 609
Determining polar diagrams (D-Y-K-T) Jul 271
Dish for 70 centimetres (picture) .......... Sep 429
Elaborate aerial array for DX/TV (picture) Feb 677
Ferrite-rod aerial pick-up (circuit) .......... Jul 275
Fifteen-foot dish for VHF (picture) .......... Nov 557
Four-Band Bi-Directional Array .......... Jul 267
Goonnily Aerial Installation .......... May 159
Light-weight invisible aerial (D-Y-K-T) .......... Nov 531
Log Periodic Aerial System .......... Jul 268
Loop Reception on Top Band .......... Jul 275
Low-loss aerial spark discharger (D-Y-K-T) May 143
Matching end-fed aerials (S.640 Rx) .......... Jan 673

Planning permission for aerial masts (note) Jun 243
Re-fitting broken aerials, mast height (D-Y-K-T) .......... Nov 532
Simple ATU for end-on wires .......... Sep 415
Simple Mast Clamp .......... Mar 32
Temporary aerial device (D-Y-K-T) .......... Aug 343
Tidy Steel Tower .......... Jul 272
Trough for SWR meters (D-Y-K-T) .......... May 143
Twenty-Element Crossed Yagi Array .......... Apr 107
Two-Band Aerial System for Restricted Space .......... Mar 30
Weather-proof aerial fittings (D-Y-K-T) .......... Nov 532

AMENDMENTS and CORRECTIONS
Cheap Beam for Twenty Metres (August) .......... Nov 529
Correction Note, G2ANB (October) .......... Nov 538
Generator for Accurate Noise Measurement (March) .......... Jun 236

DX ACTIVITY and WORKING
(HF Bands only)
B.A.R.T.G. (RTTY) 1965 Contest Results .......... Jun 212
Communication and DX News .......... Monthly
DX mobile working (experiences, G3LCZ) .......... Feb 729
Intruders in the Amateur Bands .......... Oct 473

AU Back Number Copies available at 3s. 6d. each, post-free. Binder 14s.
DX ACTIVITY AND WORKING (HF Bands only)—cont.
Jamboree-on-the-Air (report) ..... Dec 616
Lundy Island expedition, GB3LPC (pictures) Jan 691
Magazine Club Contest (rules) ..... Oct 489
Magazine Club Contest (results) ..... Jan 679
New "DX Zone Map" ..... Nov 538
Real DX on QRP ..... Mar 39
Scout DX/QSO Party for 1966 ..... Feb 735
Scout International Event (8th annual) ..... Oct 472
Swedish DX Bulletin (schedule) ..... Oct 489
The Highest, the Longest and the Mostest ..... Aug 399
Top Band from Sierra Leone ..... Jul 283
V99SF on Socotra ..... Jun 221
World-Wide RTTY Contest (rules, 1963) ..... Oct 469
World-Wide RTTY Contest (rules, 1964) ..... Apr 90

EDITORIALS
Answers? ..... Sep 393
Attack ..... Feb 713
Christmas ..... Dec 585
Convention ..... Oct 457
Occuancy ..... Aug 329
Oscar III ..... Apr 75
Outlook ..... Jan 651
Overhearing ..... Jul 265
Records ..... Nov 523
Transistory ..... Mar 11
VHF ..... May 139
Vexations ..... Jun 203

EXCITER and DRIVER CIRCUITS
Carrier oscillator and VFO circuits (Sphinx Tx) ..... Sep 399
Codar A.T.5 VFO (circuit and values) ..... Aug 338
Crystal Controlled Transistor Oscillators ..... Oct 464
Crystal oscillator, 160m. (circuit and values) ..... Feb 715
Fixed-frequency Sideband generator (circuit and values) ..... Jan 664
NBFM driver circuit ..... May 147
Sphinx Transmitter, driver (circuit and values) ..... Sep 402
SSB carrier generator circuit, Heathkit SB-400 ..... Apr 84
SSB generator circuit, 160m. ..... Jul 287
Transistorised VFO/Exciter, 160m. (circuit and values) ..... Aug 331
VFO, 5-0-5-5 mc, for SSB, Heathkit SB-400 ..... Apr 86

GENERAL INFORMATION—Paragraph Items
Amateur Licence Totals ..... Feb 742
Amateur Station at German Radio Show ..... Aug 339
Appleton, Sir Edward (obit) ..... May 148
Articles for the Magazine ..... Jul 274
BBC—Droitwich ..... Nov 565
BBC—Research Scholarships ..... Feb 750
Big Success Story ..... Oct 475
Board Appointments—Painton & Co. Ltd. ..... Mar 22
Book List ..... Oct 465
“Call Book” ..... Jul 284, Nov 546, Feb 735
Call/Sign Allocation Note ..... Dec 617
Catching up on Licence Evasion ..... Dec 618
“Cheap Beam for Twenty Metres (amendment) ..... Nov 529
Communications Development in the Caribbean ..... Sep 407
Contest Results—Grafton Radio Society ..... Jun 236
Corner Comment ..... Sep 433
Correct Address ..... Jan 694
Course of History ..... Dec 617
Dead-Line and the QTH ..... Oct 468
Doing our Best ..... Sep 398
Eddystone Equipment Supplies ..... Sep 438
Fair Definition ..... Oct 475
G9BF Calling ..... Apr 89
GPO Ship-Shader Radio ..... Dec 664
GPO Sweer, London ..... Oct 89
Get It When You Want It ..... Dec 615
Getting the Magazine Regularly ..... Aug 351
Great American Black-Out ..... Dec 618
L.E.E.T.E. ..... Jul 309
I.I.E.A. Exhibition ..... Feb 735
If You Want to be Sure (Small Advts.) ..... Jan 685
International Amateur Radio Convention (IBC—Research Scholarships) ..... Apr 104
London Sideband Convention ..... Dec 591
London Sideband Dinner ..... Mar 22, Jul 298
MCC—Magazine Club Contest ..... Nov 553
Mobile Rally—Some Dates ..... Feb 735
Morse Practice Note ..... Apr 107
New Club Formation ..... Nov 591
New DX Zone Map ..... Nov 538
“New QTH”—Changes of Address ..... Feb 759
“New QTH”—Page, The ..... Nov 543
New President, RSGB ..... Mar 26, Feb 722
New Research Appointment ..... Dec 606
Northern Amateur Convention ..... Sep 398
Northern Radio Society (N.R.S.) ..... Nov 535
Notice for RTTY Operators ..... Mar 40
Opposition Speaker on Radio Matters ..... Nov 546
Passing of the Valve ..... Feb 759
Photographs ..... Mar 49
Possible Delay—March Issue ..... Feb 722
Present for a Friend ..... Dec 606
QST Bureau ..... Apr 84
QSL Cards—Free—Stoke on Trent ..... Nov 529
QST Subscriptions ..... Mar 30, Jul 309
Radio Engineering Opportunity ..... Nov 535
R.A.E., Entries for May ’66 ..... Feb 751
R.A.E., Entries for Dec ’65 ..... May 145
R.A.E., Instruction for the ..... Jun 234, Jul 271
Radio Society Lectures ..... May 155
Radar Engineering Opportunity ..... Dec 617
Real DX on QRP ..... Mar 39
Reciprocal Licensing Agreement ..... Apr 108
Refer to your Library ..... Nov 559
Remarkeable Statistic ..... Nov 546
Scout International Event ..... Oct 472
Semiconductor Diode Circuits (Filmsstrip) ..... Aug 335
Set Listening Period ..... Nov 535
92nd Signal Regiment, A.E.R. ..... Aug 335
92nd Signal Regiment, A.E.R. ..... May 155
Small Advs.—New Look ..... Jun 236
Small Advs.—Remarkable Result ..... Apr 156
Specialty on the Air ..... Feb 750
Stratton’s to Become Marconi Subsidiary ..... May 155, Aug 368
Subscription Rate ..... Jul 274
Success Story ..... Sep 398
Swedish DX Bulletin ..... Oct 89
Symposium on Amateur Radio ..... Jun 236
Television Society Lectures ..... Nov 565, Feb 722
Thoughts for the Book ..... Jun 214
Transistors in GPO Telephone Network ..... Aug 335
Unfortunate Publicity ..... Oct 489
Watch It! ..... Mar 40
We Always Want to See ..... Jul 274
We Are Always in Need ..... Dec 615
Webb’s Radio (closing) ..... Apr 94
When Sticking Up a Mast or Tower ..... Jun 243
KEYING and CONTROL CIRCUITS

Automatic frequency control unit (RTTY).....Oct 471
Car headlight dip-switch for C/O (D-Y-K-T)....Nov 532
Control Circuit for Quick Change-Over....Feb 743
Delta control unit, Sphinx Tx..............Sep 401
Electronic Dots and Manual Dashes.....Jun 241
Key-Controlled Change Over.............Jun 218
Relay-less Regulator for Car Alternators...Jun 210
Tone Control Unit (speech compression)....Jun 216

LICENSING and The R.A.E.

Amateur Licence in Issue..................Feb 742
Amateur Licence Totals....................Mar 26
Entries for May R.A.E. (note).............Feb 751
Instruction for The R.A.E. (note).........Jan 234
Instruction for the R.A.E. (course details)...Aug 375
Licence Conditions and Their Enforcement.Jan 686
Arthur Roberts G4OF.....................Mar 42
Dec 599

MEASUREMENTS and TEST EQUIPMENT

Absorption Wavemeter for VHF............Feb 725
BC-221 as Audio Signal Generator........Oct 458
Circuit for aligning LF Filters (SSB)....Feb 741
Circuit for condenser testing.............Nov 541
Crystal calibrator, 100 kc................Jan 673
Dual Speed Governor for Teleprinter Machines.................Dec 605
Field strength measuring device (D-Y-K-T) Nov 531
Generator for Accurate Noise Measurement..............Mar 12
Measuring velocity constant (D-Y-K-T)..........Aug 342
Microammeter for remote current indication (D-Y-K-T)..............Jul 270
Modulated Calibration Oscillator..........Apr 105
Modulated frequency Marker Unit........(10/100 kc pips).......May 140
Panoramic Monitor-Alarm Unit..............Dec 586
Power Measurement on Amateur SSB Transmitters..............Dec 599
Practical Phase-Shift Oscillators.........Aug 343
Simple Noise Generator....................Apr 88
S-Meter Modification for the HRO.........Sep 408
Visual Indicator for the GDO...............Jun 224

MICHELLENOUS—Articles, Items and Features

A 2219 PSU Modification..................Oct 488
"Advice to A Beginner" (winning letter)....Nov 530
Calibration for Telescopes...............Sep 394
Chimney for 4X150A......................Mar 17
Club Reviver Programme, A.................Jul 310
Curing TV Receiver Interference on Top Band.............Nov 529
Do We Suffer from Our Image..............Apr 97, Jul 271
Effective Utilisation of Space, The.......Sep 414
Goonhilfy and Early Bird.................May 159
G9BF Calling................................Apr 89
Intruders in the Amateur Bands............Oct 493
Jamboree-on-the-Air, 1965 (report)......Dec 616
Licence Conditions and Their Enforcement.Jan 686
Memorandum, Ministry of Transport, /M Working..............Jun 233
Microphone for Mobile....................May 151

Miscellany Mar 41, Jun 215, Jul 277, Sep 417, Oct 470
Mobile Microphone Mount..................Dec 607, Feb 733
Narrow-Band Frequency Modulation..........Oct 465
New QTH’s................................monthly
Noise-Limiter for the CR-100...............Jun 207
Novel Q-Multiplier and Detector Circuit......Apr 79

OBITUARY NOTICES:

Tom Franklin, G2ARN.....................Jan 686
Kenneth Jay, M.B.E., G2HJ.................Sep 398
Jack Dobson, G3HTV........................Feb 735
James Nuttall, G3PYT....................Jan 686
Arthur Roberts G4OF.....................Mar 42
Harold James, G5JM.......................Dec 617
William Jennings, O.B.E., G6AW........Dec 617
Alan T. Lee, ex-LYX........................Sep 398
Sir Edward Appleton, F.R.S..............May 148
Joan Jones, Mrs...........................Sep 398
Oscar III—March 1965.....................Apr 109

OTHER MAN’S STATION, THE:

EA4AO, Madrid..........................May 174
G2ANB, Hockley, Essex...............Oct 495
G2XW, London, N.4........................Mar 49
G3MWV, Cromer.........................Feb 753
G3NLM, Morecambe.......................Sep 433
G3RJB, Hereford........................Nov 559
G3SCW, Tavistock.........................Apr 113
G3TUV, Ickenham, Middx.................Jun 243
G8NY, London, N.2.......................Aug 367
6Y5FH, Jamaica.........................Dec 624

Power Measurement on Amateur SSB Transmitters..............Dec 599
Printed Circuits for Amateur Equipment..............Apr 80
Relay-less Regulator for Car Alternators........Jun 210
RTTY Topics...Apr 90, Jun 212, Aug 345, Oct 469
Second London SSB Dinner (report)........Jul 208
Series-Gate Modulation ..................May 144
Shunt Stabiliser (using semiconductors)........Nov 545
Some Equipments built from Magazine designs........May 277
SWL, Listener feature........................bi-monthly
"The Amateur is Helpful"..................Oct 489
The Energetic Electron..................Dec 618
YL’s First Encounter, A..................Feb 734
Your BC-221 as an Audio Signal Generator Oct 458

MOBILE and PORTABLE

Adjusting /M aerial resonance (D-Y-K-T).....Nov 531
Cedar A.T.5 (test report)..................Aug 336
Coiled-spring mic. leads (D-Y-K-T)..........Jun 248
DX Mobile (report G3LCZ)................Feb 729
Fence as counterpoise (D-Y-K-T)............Aug 342
Fence aerials for /P working (D-Y-K-T)....Aug 342
GW3TM—mobile (picture)..................Oct 477
Memorandum, Ministry of Transport, /M Working..............Jun 233
Microammeter for remote current reading (D-Y-K-T)..............Jul 270
Mobile Microphone (headset)................May 151
Miniature Top Band Transmitter (valve).....Feb 714
Mobile Microphone Mount...............Oct 465
Mobile Rally Arrangement (1965)............Mar 43
Mobile Rally programme (1965).............Apr 105
Mobile Scene, The (pictures and reports) May 169

All Back Number Copies available at 3s. 6d. each, post-free. Binder 14s.
REFERENCES and USEFUL DATA

MOBILE AND PORTABLE—continued

Simplified Transistor Transmitter for the LF Bands ..........................Sep 403, Oct 466
Some Mobile Rally Dates (1966) .......................Feb 735
Transistorised Transmitter for Top Band (10 watt) .......Aug 331

MODULATION and AUDIO

Audio phase-shift oscillator ........................................Nov 527
Balanced modulators (for SSB) .........................Jan 661
Discussing Single Sideband (series) Dec 594, Jan 660

Transistorised Tone Control Unit
Ten -watt modulator, transistorised
Series -gate modulation (using power transistor)
Audio phase -shift modulation
MODULATION and AUDIO
Transistorised

Some Mobile Rally Dates (1966) ..........................Feb 735
Simplified Transistor Transmitter for the LF 8
Transistor Converter for Two Metres
Transistor Converter for 70 centimetres

REFERENCES and USEFUL DATA

A.2219 PSU, circuitry ........................................Oct 488
Aerials for the LF Bands ..........................Dec 592
Automatic Morse Key ..................................Jun 241
Basic circuit of the National HRO ..............Jan 638

MOBILE AND PORTABLE—continued

Power Measurement in Amateur SSB Transmitters

MOBILE AND PORTABLE—continued

Chimney for 4X150A .........................Mar 17

COIL DATA:

ATU for Top Band ....................................Mar 22
Compressed beam for 20m ................................Aug 341
Converter for four metres ..................................Mar 19
Converter for two metres ..................................Jun 205
Converter for 70 centimetres ..........................Apr 105
IF amplifier for VHF tuner ..........................Feb 724
SSB Tx for 160m ........................................Jul 286
Transistorised Top Band Tx .....................Aug 331
Two -metre Tx (NBFM) ..................................May 146
Vanguard, 10-15-20m, tapped ......................May 157
Crystal filter circuit, AR88D .............................Oct 463
Curing TVI, Paradak screen ........................Nov 529
Directional reception on Top Band (using ferrite loop) .... Jul 275

MOBILE AND PORTABLE—continued

Dummy load for Tx adjustment (D-Y-K-T) ...........Jul 270
Dummy spectacles for /M mic. mount .................May 151
Etching technique for printed circuits ..................Apr 80
Fibre -glass mouldings (D-Y-K-T) .....................Mar 143
Flexible screening device (D-Y-K-T) ..................Jul 271
Log-Periodic aerial data ....................................Jun 269
Lowering crystal frequency (D-Y-K-T) ....................Jul 271

MOBILE AND PORTABLE—continued

Ministry of Transport Memorandum, /M working ..........Jun 233
Motor speed control for Teleprinter motors ..........Jan 665
Neon fault location panel (D-Y-K-T) ..................Aug 342
Novel Licence gain control (D-Y-K-T) ...............Nov 529
Pocket VHF Receiver (picture) .......................Nov 546
Recording commercial Morse for practice ..............(D-Y-K-T) Mar 16

RECEIVERS and RECEIVING TECHNIQUES

About the HRO Receiver Nov 539, Jan 652, Feb 719
Absorption Wavemeter for VHF .......................Feb 725
Bandspreading the Canadian 52 .....................Feb 717
BFO injection from second Rx (D-Y-K-T) ..........Mar 17
Communication Rx from Magazine circuits Nov 528
Converter for Four Metres (transistor) ...............Mar 18
Curing TV receiver interference ......................Nov 529
Improving the Eddystone S.640 Receiver ..........Jan 672
Modifications for the AR77 .............................Jun 206
Modulated Calibration Oscillator .....................Apr 105
Modulated Frequency Marker Unit .................May 140
More Bandspread for the HE-50 .......................Jun 217
Novel Limiter for the CR-110 .........................Jun 207
Novel Q-Multiplier and Detector Circuit ............Apr 79
Panoramic Monitor-Alarm Unit .........................Dec 586
Practical Applications of Semiconductors
Part IX, IF Amplifiers .....................................May 149
Part X, IF Amplifiers (RTTY) .........................Jun 208
Receiver Unit for AM/CW/SSB using Semiconductors ....Mar 27
Redifon R.408 Receiver (picture and notes) ........Nov 543
Servicing the AR88 .......................................Oct 461, Nov 524
Simple Noise Generator .................................Apr 88
S-Meter Circuit for a Transistor Receiver ..........Feb 751
S-Meter for the S.640 .....................................Jan 673
S-Meter Modification for the HRO Receiver Sep 408
Some Notes on Receiver Design ........................Mar 40
SWL—Listener Feature ..........................................Dec 594, Jan. 660, Feb. 736
Transistor Converter for 70 Centimetres ..........Apr 76
Transistor Converter for Two Metres ................Jun 204
Transistor Converter for 40 Metres ................Jun 220
Tunable IF Amplifier (for multi-band VHF tuner) ....Feb 723

RECEIVERS and RECEIVING TECHNIQUES

Bush transmitters, circuits and data ..................May 149
Chimney for 4X150A .....................................Mar 17

RF choke using IF windings (D-Y-K-T) .........Nov 532
SB-34 SSB equipment (picture) .........................Apr 118
SB-400, SSB Tx (block diagram) .....................Apr 82
Silicon diode safety circuit (D-Y-K-T) ................Mar 115
Small capacities by twisted wire (D-Y-K-T) ..........Jun 249
Soldering iron protection (D-Y-K-T) ....................Mar 16
Spark-plug for AF overload (D-Y-K-T) .................Aug 342
Typical configurations for SSB Tx layouts ..........Feb 737
Using Dexion strip for mast construction ..........Aug 272
Velocity constant determination, RF cable ......(D-Y-K-T) Aug 342
Vibrating lazy crystals (D-Y-K-T) .......................Mar 16
Vinegar as nut loosener (D-Y-K-T) .....................Jun 249
Visual indication, GDO .................................Jun 224

TRANSMITTING EQUIPMENT—HF

Bands

Block layout modified “Vanguard,” with PSU ........May 158
Chimney for 4X150A (construction) .................Mar 17
Circuit complete Codar A.T.5 .........................Aug 338
Cadar A.T.5 (test report) ..............................Aug 336
Dummy load for Tx adjustment (D-Y-K-T) ..........Jul 270
Discussing Single Sideband (series) ...........................Dec 594, Jan. 660, Feb. 736
Driver/PA circuit, 160m., transistorised ..........Aug 331
Heathkit SB-400 SSB Tx (test report) .................Aug 82
HF-Band Transmitter, “G3RRK” (final notes) ......Apr 87
Miniature Top Band Transmitter .................Feb 714
Modifying the original “Vanguard” .....................May 156
Narrow-Band Frequency Modulation (VHF) ....May 146
National NC-2000 and NCX-5 (picture with notes) ..Oct 487
Power measurement by direct reading (D-Y-K-T) ..May 143
TRANSMITTING EQUIPMENT—HF Bands—continued

SB-34 Transistorised Transceiver (picture and notes) ........................................ Apr 118
Series-Gate Modulation ....................................... May 144
Simplified Transistor Transmitter for LF Bands
Sep 403, Oct 466
Single-Sideband Transmitter for 160 Metres Jul 285
Sphinx Transmitter, SSB (circuitry and notes) Sep 399
Transistorised Transmitter for Top Band ..Aug 330
"Vanguard" PA modification .................. Jul 291
VFO/Exciter, 160m., transistorised ........Aug 331
803 socket for 4X125A (D-Y-K-T) ..........Mar 16

VHF/UHF—Equipment and Operating
Absorption Wavemeter for VHF ............Feb 725
Achievement Tables, VHF Bands—see "VHF Bands" .........................Monthly
Big tropospheric opening, Sept.-Oct 1965 ......Nov 555, Dec 619
Cambridge Radio Telescope ..................Sep 394
Converter for Four Metres (transistor) ....Mar 18
Converter for Two Metres (transistor) .....Jun 205

Converter for 70 Centimetres (transistor) ...Apr 76
Generator for Accurate Noise Measurement Mar 12
Groonhilly and Early Bird ....................May 159
Home-built 15-ft. Dish, GM3FYB (picture and notes) ..................Nov 557
Meteor-Scatter DX results (see "VHF Bands")
May 172, Jun 237, Sep 428, Dec 619
Moon Reflection tests, KP4BPZ ..................Aug 365
Moon Reflection (E-M-E) results, G3LTF Nov 555
Narrow-Band FM for Two-Metre Tx ......May 146
Oscar III—March 1965, results ..........Apr 109, 110
Other Man's Station, EA4AO (VHF) ....May 175
Panoramic Monitor-Alarm Unit (for VHF) ...Dec 586
Series-Gate Modulation (on VHF Tx) ......May 144
Simple Noise Generator .........................Apr 88
Sporadic-E opening and results ..............Aug 363
Tunable IF Amplifier (for VHF tuner) ......Feb 723
Twenty-Element Crossed-Yagi Array ..........Apr 107
Two-way amateur TV (results) ..........Sep 430
Velocity constant, RF cable, measurement (D-Y-K-T) .............Aug 342
"VHF Bands" ..........................................Feature
VHF construction, using printed circuit boards (D-Y-K-T) .............Jul 270

See over for Subscription Form.
SUBSCRIPTION FORM

To: SHORT WAVE MAGAZINE, 55 VICTORIA STREET, LONDON, S.W.1, ENGLAND.

I enclose remittance of 42s. (U.S. $6.00) for annual post paid subscription to SHORT WAVE MAGAZINE, starting
with the issue dated____________________ (month).

block letters, please!

Name__________________________________________________________ (Callsign, if any)

Address________________________________________________________________________________________

Date__________________________

Signed________________________________________________________