Click on topic:

<table>
<thead>
<tr>
<th>ANTENNAS</th>
<th>DOMESTIC</th>
<th>FOREIGN</th>
<th>GENERAL</th>
<th>HISTORY OF RADIO</th>
<th>LISTS</th>
<th>MODIFICATION</th>
<th>RECEIVERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TECHNICAL</td>
<td>ULTRALIGHT/FSL</td>
<td>DXPEDITIONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ANTENNAS

**A-001** Construction of a Directional Spiral Loop Antenna (1) Dallas John/Keith Birlingmair. Construction details for a simple inexpensive loop antenna. 09/73

**A-002** Construction of a "Box" Loop Antenna (2) Plans for a large un-amplified four foot box loop. 03/69

**A-003** DCL Construction Plans (1) Dave Fischer. Schematic for a Direct Coupled Loop Antenna. Some receiver modification may be required. 01/70

**A-004** Roll Your Own (1) Dave Fischer. Hints on the construction of a simple two-foot box loop antenna. 12/69

**A-005** The Loop-Sensor Cardioid Array (LSCA) (1) Ron Schatz. Introductory thoughts about combining signals from a loop and a longwire or vertical, which can produce a heart-shaped receiving pattern. See A006, A007, A018 and A032. 05/71

**A-006** Some Comments on the Loop-Sensor Cardioid Array (2) Gordon Nelson. Discusses some of the shortcomings of the theory described in A005. 08/71

**A-007** The Loop-Sensor Cardioid Array (7) Ron Schatz. In depth description of the LSCA, with construction hints and examples of reception. See A005. 09/73

**A-008** Two-Foot DCL Plans (3) Ralph Sanserino/Nick Hall-Patch. Updated construction plans for a two-foot box loop and preamplifier, the "Sanserino Loop". Very well done. 10/80

**A-009** The Shielded Ferrite Loop; Principles and Practice (4) Joe Worcester. Theoretical description of a ferrite rod loop antenna, used by many DXers because of its small size. See A010 for construction details, also A031, 02/70

**A-010** How to Build the SPACE MAGNET Shielded Ferrite Loop (5) Joe Worcester. Very thorough plans for constructing the antenna described in A009 (SM-1 and SM-2). Includes photo. 01/71

**A-011** The Super Signal Snatcher (4) Dave Fischer. Theory on the set up and operation of a Beverage antenna (a very long wire), with tables and graphs. See A015, A016, A019, A023, A042 and A046. 12/72

**A-012** Using Two Loop Antennas to Generate Asymmetrical Receiving Patterns (1) Mike Levintow. Describes how the simultaneous use of two loop antennas can distort the pattern of a single antenna, possibly nulling out some stations otherwise un-naglable. 12/73

**A-013** The Wedge (3) Charles Wolff. Detailed plans on a space saving wedge-shaped air-core loop. Includes tuning instructions and base construction. 11/75

**A-015** NEBE (3) Dave Fischer. Describes the construction and results of a Beverage antenna DXpedition in the middle of Nebraska. See A011. 03/75

**A-016** Report on the Beverage Antenna DXpedition (1) Don Kenney. Describes a DXpedition to the Mojave Desert using two Beverage antennas, one 2800~850m, the other 600~1830m. Results are discussed. See A011. 09/72

**A-017** Loops for the Barlow Wadley, (or anything else) (1) Grant Manning/Ralph Sanserino. Directs for modifying the XCR-30 so it can be used with a ferrite rod antenna. Also includes two schematics for single ended FET preamplifiers. 08/76

**A-018** LCSA-2 (4) Ron Schatz. Construction plans for an updated version of the LSCA (described in A005), which is easier to build and use. 03/76

**A-019** Some Thoughts on Broadcasters (1) H John Clements. An experienced Beverage antenna user gives some hints to potential Beverage antenna builders. See A011. 04/78

**A-020** 4 Commercially Available Ferrite Loops (1) Michael Sapp. Author compares the performance of the SM-2, MW-1, DA-5/7 and Palomar ferrite core antennas. Several areas of concern to the DXer are addressed, and each antenna is rated. See also A022 and A035. 06/78

**A-021** Amplifiers/Tuners for Longwires (1) Brian Sherwood. Two circuits for amplifying the signal from a coupled longwire to a receiver. See A027. 01/79

**A-022** MW-1 vs SM-2 (2) Mark Connelly. Two popular ferrite coil loop antennas are compared by an experienced DXer. See A020. 03/79

**A-023** The Jordan River Beverage Expedition (1) Nick Hall-Patch. DXers brave the wilds of Vancouver Island in order to hear DUs on a Beverage. See A011. 08/79

**A-024** Dining with the "DX Flyers" (1) Gerry Thomas/Charlie Barfield. What is it like DXing with an antenna strung out with a kite? Talks about results of 650’/198m wire towed by a flying kite. 10/79

**A-025** The KRS All-Band "Active" Antenna (1) Mike Hardester. Review of Radio West’s amplified "whip" antenna. 07/80

**A-026** Random Length Antennas (1) Bruce Porter. Discussion of random length antenna, their advantages and disadvantages. 10/80

**A-027** Random Wire Accessories (2) Nick Hall-Patch/Ralph Sanserino. Attenuators, couplers, traps and amplifiers for use with longwire antennas. See A021. 10/80

**A-028** Phased Longwire Antennas (1) Mark Connelly. A phasing unit is used to sum the outputs of two longwires to obtain directional patterns. Schematic included. 10/80

**A-029** Why a Loop? (2) Phil Bytheway. Loop antenna theory, construction and tuning techniques are discussed. 10/80

**A-030** Using the Loop (1) Grant Manning. Discusses methods for getting the most out of a loop antenna. 10/80

**A-031** A Ferrite-Core Loop Antenna (1) Nick Hall-Patch. Construction details for a simple ferrite loop antenna using the FET pre-amplifier described in A-008. See also A009. 10/80

**A-032** A Loop-Longwire Combo (1) Nick Hall-Patch. Talks about a simple way to connect a loop and longwire to obtain unidirectional receiving patterns. Similar to the LSCA. See A005. 10/80

**A-033** Improve Your DX by Phasing Non-Identical Antennas (1) Mark Connelly. Discusses the effects of using two parallel antennas (one on the ground) and a phasing unit. Includes some examples of DX. 05/81

**A-034** The MFJ-1020 Indoor Active Antenna (1) Randy Toner. Review. 07/81

**A-035** Radio West Ferrite Loop Antenna (1) Don Moman. Review of the MW-1 and a comparison to the SM-2. See A020. 07/81

**A-036** Phasing Unit Design Modifications (5) Mark Connelly. Introduction to antenna phasing techniques. Discussion of a conventional phasing unit and its use. Some shortcomings and possible corrections are addressed. 10/81

**A-037** The Martens MW Loop Antenna (1) Ben Peters/George Hakiel/Don Moman. Reviews several of this compact air-core loop antenna from Germany. 10/81 and 03/84

**A-038** Constructing a Phasing Unit (7) Mark Connelly. Complete details for the construction and use of a phasing unit. When finished, the unit will phase antennas of longer than 9830m or amplified shortwires longer than 16/5m. Includes parts list, schematic and drawings as well as step by step instructions for its use. 11/81

**A-039** Phased Amplified Shortwires (4) Mark Connelly. Discussion of phasing short wires (16/5m or shorter), using a "Space Magnet" antenna (A010) as a tuner/amplifier. Detailed operation of the system is outlined. 12/81
A-040  A Comparison of the "Shotgun" and "Select-a-Tenna" Loop Antennas  (1) Randy Tomer. Introduction to the "Select-a-Tenna" and comparison to Radio West's Shotgun antenna. 01/82

A-041  Defeating Atmospheric Interference by Underground Antennae  (1). Short introduction with description of two techniques. 01/82

A-042  The Practical Beverage Antenna  (1) Don Moman. Author describes time saving techniques used to create "Instant" Beverage antennas. See A011. 03/82 and 06/83

A-043  Large-Area Loops for High-Noise Environments  (1) Glen Kippel/Steve McGreedy. Details on the construction and use of large-area loop antennas. See A052. 03/82 and 06/83

A-044  Yaesu FRT-7700, FRA-7700, Grove Signal Match TUN-2  (2) Sheldon Remington/Randy Tomer/Don Moman. Reviews and a comparison of the FRT-7700 Passive Tuner, FRA-7700 Active Antenna and SW Horizons' Receiver-Antenna Interface #1 (A045). 07/82 and 02/83

A-045  A Beverage Preselector for MW  (1) Don Moman. Description, construction details and performance notes of Shortwave Horizons' Receiver-Antenna Interface #1. 10. 08/2

A-046  A Simple Guide to Beverage DXpeditions  (1) Doug Nyholm. An introduction to planning a Beverage DXpedition, including equipment and some theory for the layman. See A011. 03/83

A-047  The Hot Rod  (3) Gerry Thomas. Complete details for building this small, inexpensive ferrite antenna for use in signal boosting on portable radios. 05/83

A-048  Optimizing an Unamplified Loop Antenna  (1) Nick Hall-Patch, Techniques for matching loop antenna output and receiver input to get higher Q'. In addition, a scheme for determining loop Q'' is described. 06/83

A-049  Results Using a Random Wire Antenna Phasing Unit  (1) James Herkimer. Author experiments with a phasing unit (see A38) and gives examples of the results obtained in comparison with a Radio West ferrite loop. 08/83

A-050  The "APT-2" Active Antenna Tuner  (9) Mark Connelly. Complete details and diagrams for the construction and use of an active parallel tuner with regeneration for use with wires 2/0.6m to 1000/305m (150 kHz – 8 MHz). Layout and step-by-step construction are included, as well as instructions for use. See A053. 11/83

A-051  Modular Phasing Systems  (4) Mark Connelly. Detailed description of an updated system for longwire phasing (see A038) which utilizes a modular approach. Schematics are given for various tuners (long and short wire active series, passive parallel and active parallel) as well as the phasing unit. 09/83

A-052  Nulling with Two Wall-Mounted Loops  (2) Ben Peters. Results of experimentation with two wall mounted loops 90 degrees apart. Includes construction details. See A043. 01/84

A-053  APT3: An Improved Design Active Parallel L-C Tuner  (5) Mark Connelly. Design improvements to the APT-2 (A050) yield the APT-3, an easier to use and more adaptable version of the regenerative longwire loop. Schematics, drawings and description of use. Complete construction details in A054. 02/84

A-054  MWDX-2 Phasing Unit  (7) Mark Connelly. Description, use and construction details for an improved phasing system which is a single unit, designed for longer longwires (greater than 82/25m). See A064. 02/84

A-055  The BBA-1 Broadband Amplifier  (5) Mark Connelly. Details for construction and operation of a 15dbm broadband (100 kHz to 30 MHz) amplifier for use in systems where knob tweaking is to be kept to a minimum. 03/84

A-056  Seven Passive Tuners  (5) Mark Connelly. Author describes and gives schematics for 7 different series/parallel tuner circuits for the LW, MW and tropical bands. 03/84

A-057  Varactor Diode Applications for DXers  (5) Mark Connelly. Discussion of how a varactor diode can be used as a voltage controlled variable capacitor. Good and bad points are discussed, and some initial circuits for a remote tuned loop antenna and VFO. 03/84

A-058  The 3 Parallel Loop – Adcock System  (5) Ben Peters. Complete description of an antenna system consisting of three loops mounted on a board. Thorough instructions for use and some construction hints. 05/84

A-059  Ideas on Remote Tuned Antennas  (1) Mark Connelly. Short introduction and preliminary schematic. See A066. 05/84

A-060  Some Antenna Experiments  (2) WR McIntosh. Description of the "Helical Longwire", a loop sized 293/89m coil. Results are presented using different systems. 07/84

A-061  Four Wall Loops for Better Nulls  (2) Ben Peters. Analysis of an antenna system using four wall mounted loops with a fifth in the center. 10/84

A-062  "Easy-to-Build" Loop vs Wire Phaser  (1) Mark Connelly. Circuit for phasing loop antenna output with a minimum 100/30m longwire. Includes instructions for use. 10/84

A-063  An RF Notch Filter  (1) Don Moman. Schematic for a tunable RF filter which will provide a 45db notch. 10/84

A-064  The MWDX-2A Phasing Unit  (3) Mark Connelly. Description and schematic for an improved version of the MWDX-2 (A054) which allows any wire length antennas to be used. 10/84

A-065  Database Search – Loop Antennas  (4) DIALOG. List of recent technical and general articles pertaining to loop antennas, as compiled by Mark Connelly from the DIALOG data retrieval service. 12/84

A-066  1 Remotely Controlled Antenna Tuner  (3) Mark Connelly. Complete description and schematics for a varactor diode remotely tuned antenna (up to 0.01/8). See A059. 01/85

A-067  Notes on Mediumwave Beverage Antennas  (3) Nick Hall-Patch/Don Moman. Summary of experiments done on Beverage termination, directional effects, construction and length. Brief description of the effect of two phased Beverages as well. 01/85

A-068  MWDX-2B and 2C Phasing Units  (2) Mark Connelly. Improvements and changes to the MWDX-2A unit for phasing longwire antennas. 09/85

A-069  A Simple Passive Longwire Tuner  (1) Mark Connelly. Describes a simple unit for tuning a longwire for BCB reception. 07/86

A-070  The Mitchell Lee Loop Amplifier  (5) Mark Connelly. Two versions are described, one for use with loops, the other with tuned circuits for lw, BCB and Tropical Band DXing. 03/85 and 09/85

A-071  Hotrodding the Mini-MWDX3 Phasing Unit  (2) Mark Connelly. Describes some improvements to Mark's phasing unit. 07/86

A-072  MWDX-4 and Mini-MWDX-4 Phasing Units  (9) Mark Connelly. Describes two devices for phase-canceling a dominant station, allowing you to receive signals which would otherwise be inaudible. 11/85

A-073  The Phase One, A Delay Line Phasing Unit  (2) Gerry Thomas. Describes an active phasing unit for eliminating interference. 07/86

A-074  Active Shortwire Phasing System Using Modified Hagen Loop  (3) Mark Connelly. Describes a modification to a loop antenna amplifier to make it usable with short antennas (such as rabbit ears). 1/86

A-075  The MWT-1: A MW Tuner/Preselector with Regeneration Capability  (6). Construction plans and theory of operation for a highly selective longwire tuner/amplifier. 12/85

A-076  The Mini-MWT-1C: A Simple Yet Versatile MW Tuner  (3) Mark Connelly. Self-explanatory title! 02/86

A-077  Additional Tuners in the MWT-1 Family  (5) Mark Connelly. Detailed instructions on building more MW tuners. 03/86

A-078  A Loop Antenna Bibliography  (3) Ben Peters. A list of patent disclosures and articles from professional publications, all pertaining to loop antennas, from 1920 to 1982. 02/86

A-079  A New(?) Aid: The Receiver Multicoupler  (1) Matt Stutterheim. Describes surplus multicouplers and their use in BCB DXing. 11/86

A-080  Heathkit Model HD-1424 Active Antenna  (1) Karl Zuk. Product review. 02/87

A-081  Selecting Random Wire Antennas  (1) Jim Herkimer/Nick Hall-Patch. Discusses the use of random wire antennas sloped down to ground level.

A-082  The Mini MWDX-3  (9) Mark Connelly. Describes a simple, effective phasing unit for longwires. Includes detailed wiring instructions.

A-083  RT1 and RT2 Remotely Controlled Antenna Tuners, Articles 2 and 3  (5) Mark Connelly. Continuation of A066.

A-084  The Micro MWDX-4 Phasing Unit  (3) Mark Connelly. A highly compact phasing unit for longwires. 02/86


A-086  Antennas for Standard Broadcast Station Reception  (2) FCC. A brief discussion of various types of antennas that can be used to improve AM radio reception. Reprinted from FCC publication dated 04/58. 02/88

A-087  Memorandum on the Beverage Wave Antenna for Reception of Frequencies in the 550 – 1500 Kilocycle Band  (4) Benjamin Wolf/Adolph Andersen. A discussion of length, height, grounding, coupling, lighting protection, transmission effects and termination of Beverage antennas. Reprint from FCC publication dated 04/58. 02/88
A-134 DL-1 Delay-Line Phasing Unit (4) Mark Connelly. Complete discussion of using delay lines in a passive phaser. Good dialog on the principles of delay line phasing, and operation of the DL-1. 03/94

A-135 KIWA vs Quantum Loop Comparison (1) Elliot Straus. Head to head comparison of these two commercially available loop antennas. 11/94

A-136 Antenna Experiments – Summer 1994 (3) Mark Connelly. Discussion of several antenna system configurations. Loop phased against Whip, "snake" (originally modulation line) and Balanced Wire Antennas are described in detail. 11/94

A-137 The Case for the Full Size/Full Performance Loop Antenna (3) Ray Moore. Discussion of the advantages of using large, unamplified, air core loops over smaller ferrite or air core loops. 12/94

A-138 MWDX-6 Phasing Unit (7) Mark Connelly. Brief description of an antenna phaser with improved signal-to-noise ratio at low signal rural locations. Wires at least 66 feet long should be used. 01/95

A-139 Loop Showdown: KIWA versus RSM-102 (2) Mark Connelly. Brief description of the two loops and a thorough comparison across the MW band. Also includes some comparisons with the Quantum loop. 09/95

A-140 The Quantum (Q-Stick) (2) Gerry Thomas. Description of a ferrite passive antenna booster for use with portable radios. In addition to a tuned circuit for BC, it also contains circuity for connecting it to an external antenna jack. 02/96

A-141 The DCP-2 Dual Control / Phaser (22) Mark Connelly. An updated version of the DCP-1 (see A111) which includes delay line circuits for easier tuning/phasing. Description, parts list and operation are covered. 06/96

A-142 Advanced Q-Stick DXing Techniques (2) Gerry Thomas. How to use your QStick and portable radio to improve reception quality and increase your probability of nabbing some tough DX.

A-143 Two Updated Remote Active Antennas (19) Mark Connelly. The updated construction and use of 2 Remote Active Antennas.

A-144 Remote-Controlled Termination Beverage Antenna (18) Steve Byan. Describes how to use a commercial cadmium sulphate photocell package to control the termination resistance of a Beverage antenna from the receiver. Also some notes on Beverage antenna installation and operation. 02/97

A-145 The JPS ANC Antenna Noise Canceller (3) Harry Helms and Nick Hall-Patch. A brief description and operational review of a commercial noise canceling system that uses a built in active antenna. 02/97

A-146 The MJF-1026 (2) Mark Connelly. An extensive review of this “Deluxe Noise Canceling Signal Enhancer” from MJF, including instructions for making it functional from 300 to 1800 kHz, and describing its use as a phasing unit for two different antennas. 08/97

A-147 DXP-1 DXpedition Phasing Unit (17) Mark Connelly. Construction and use of the DXP – with features not available on the MJF-1026. 05/99

A-148 Is it an Active or a Random Wire? (2) Nick Hall-Patch. A description of terminated loop antennas that provide cardiods receiving patterns, including the K9AY, the Ewe, and Pennant antennas. 03/00

A-149 The Wellbrook K9AY Antenna: A User’s Review (6) John Bryant. A review of a commercially available version of the K9AY antenna, describing its capabilities on long, medium and short waves, and a variant that uses 4 loops for greater nulling precision, rather than Wellbrook’s original two loops. 08/00

A-150 Loop Experiments (1) Mark Connelly. An excerpt from some recent correspondence with Gerry Thomas of RadioPlus Electronics. on loop experiments. 03/01

A-151 Is Your Coaxial Lead-In Actually an Antenna?? (6) John H Bryant/Bill Bowers. Description of how a coaxial cable lead-in can degrade the directionality and low noise characteristics of an antenna, along with notes on the design and testing of the RF chokes used to solve the problem. 04/01 updated 10/03

A-152 Electrically-Short Dipole Antennas (1) Mark Connelly. Discussion of a short dipole antenna, and how to obtain maximum signal. 05/01

A-153 Initial "Kaz Antenna" Tests at WA1ION (1) Mark Connelly, 05/01

A-154 Sloper Antenna Tests (1) Mark Connelly. Discusses several sloper antennas he has used, and how it diminished local signals. 06/01

A-155 Fabricating Impedance Transformers for Receiving Antennas (26) Bill Bowers, John Bryant and Nick Hall-Patch. An update of reprint A094, describing the theory behind the design of antenna impedance matching transformers, the preferred core materials, and practical details on winding and using these transformers. Originally appeared in DX Monitor 05/01, but this version, updated 07/03, is courtesy of http://www.dxingo.info

A-156 Two or More "KAZ" Squashed Delta Antennas (3) Mark Connelly. A comparison of phasing two active whip antennas against each other versus the phasing of two small broadband loop antennas, as well as phasing a whip against a loop. 08/02

A-157 Flag Antenna Construction and Test Results (6) Mark Connelly. A detailed description of the construction of this antenna, including matching transformer and remotely controlled Vactrol termination. 10/02

A-158 New Termination Control Method for Flag, Pennant, and similar Antennas (2) Mark Connelly. Another method for remotely varying an antenna termination, using two feedlines. 12/02

A-159 Three Loop Antenna Array with Electrically-Rotatable Nulling (6) Mark Connelly. By using three broadband loop antennas set up at 120 degree bearing differences, a fully rotatable single-null (cardiod pattern) can be achieved by combining given pairs of loops. 03/03

A-160 The AMRAD Active Antenna / The Wellbrook ALA 100 Large Aperture Active Loop Antenna (2) Nick Hall-Patch. Review of an active whip antenna, originally offered in a QST column by John Bryant. The K9AY antenna is a variant of the cardiod designs described in A148. This review compares its performance with the K9AY antenna, and describes the advantages of the "Super" K9AY, a larger version of the original. 05/01

A-161 KAZ vs Flag (1) Andy Ikin. Andy tests the KAZ Delta Loop against the Flag and K9AY. 08/01

A-162 Phasing Improves KAZ Antenna Nulls (2) Mark Connelly. 09/01

A-163 Loop Shoot-Out at East Harwich (3) Mark Connelly. A comparison of the performance of a Kiwa loop against variants of the Quantum loop and against a 30 meter sloper antenna. 10/01

A-164 Phased Spaced Active Whips and Broadband Loops (3) Mark Connelly. A comparison of phasing two active whip antennas against each other versus the phasing of two small broadband loop antennas, as well as phasing a whip against a loop. 08/02

A-165 Flag Antenna Construction and Test Results (6) Mark Connelly. A detailed description of the construction of this antenna, including matching transformer and remotely controlled Vactrol termination. 10/02

A-166 An Evaluation of Commercially Available Signal Splitters (3) Bill Bowers/John H Bryant. A detailed analysis of the capabilities of RF Systems SP-1, Stridsberg Mc-102 splitters, as well as several units from Mini-Circuits Laboratories. (06/04 – 41/28)

A-167 DXtuners.com: A First Look at a Valuable Research Tool for the MW DXer (1) Mark Connelly WA1ION. Describes receivers placed online in various parts of the world that can be used via the internet. (08/04 – 41/30)

A-168 Rolling Your Own: building antenna splitters that perform better than most commercial units (4) John H Bryant/Bill Bowers. How to build your own signal splitters, along with evaluations of the finished product compared with commercial units. (03/05 – 42/24)

A-169 Comparing the Ewe and the Flag antennas (1) Nick Hall-Patch. Comparing signal strength, directionality, and signal to noise ratio of similar sized Flag and Ewe antennas. (02/06 – 43/22)

A-170 An Interesting Antenna Discovery (1) Mark Connelly. Finding wide band nulls when phasing a whip against a loop, both portable. (05/06 – 43/27)

A-171 Copper Tube Loop project (2) Craig Healy. Building and testing broadband loop antennas using copper pipe and plumbing fittings. (06/06 – 43/28)

A-172 An In-Use Look at a Beta Prototype of the Upcoming Wellbrook Phased Array (6) John H Bryant. In field observations from phasing a pair of spaced broadband loops with the Wellbrook phased unit, as well as comparing its capability with Beverage antennas and phased Ewe antennas at various wavelengths. (06/06 – 45/29)

A-173 Using Tuned Passive Loop Antennas (4) Kevin Schanilec. Pairs of tuned passive loop antennas can be used to improve sensitivity and selectivity as well as to notch and detune interfering signals when DXing with portable receivers. (10/08 – 46/05)

A-174 A Simple Phasing System (1) Craig Healy. Combining signals from a loop antenna and a vertical antenna using just a potentiometer in order to enhance nulls. (12/08 – 46/15)

A-175 The Crate Loop (2) Kevin Schanilec. Create a high-Q tuned loop antenna using a plastic filing/storage crate. (01/09 – 46/17)

A-176 The PVC Loop – Low Cost Ticket to High DX Gain! (5) Gary DeBock. Detailed instructions for creating large tuned loop antenna frames using PVC pipe and fittings. Some models can be collapsed for easy transport. Loop winding details are included. (09/09 – 47/01)

A-177 The Active Passive Loop (2) Kevin Schanilec. Provide Q-multiplication for a passive loop by using the Quantum Loop base unit. (10/09 – 47/07)

A-178 Coupling External Antennas to Portable Receivers (2.5) Kevin Schanilec. Various approaches are described. (12/09 – 47/15)

A-179 Using Large Single Wire Loops – the cheap, fast and easy way (2) John H Bryant/Guy Atkins. Large wire loops, including the Flag family of antennas, require support(s) Here are some easy, cheap and yet stably built, semi-permanent loop and mast designs for the DXer. (01/10 – 47/18)
A-180 Small Terminated Indoor Loop Antennas: Building, Feeding and Terminating Them (4) Kevin Schaninec. Room-sized versions of unidirectional loop antennas can provide a DX advantage in limited space. (01/10 – 47/19)

A-181 The FS Loop Antenna (3) Graham Maynard. The article that started the development of the FSL (Ferrite Sleeve Loop) antenna, in which a cylinder formed of ferrite rods or bars provides the core for a tuned loop antenna (03/11 – 48/24)

A-182 The Pixel Technologies RF PRO-1A and Wellbrook Communications ALA1530 Active Loop – Antennas Compared? (2) Guy Atkins. Two small amplified broadband loop antennas are put through their paces from longwave through the 13m shortwave bands. (07/11 – 48/30)

A-183 8” Diameter FSL vs 4” Sided PVC Air-core Loop Runoff (1) Gary DeBock. Two tuned loop antennas are compared using four frequency level signals during local daytime. (08/11 – 49/01)

A-184 CAT5 Cable for Antenna Connections (1) Craig Healy. Using Cat-5 twisted pair instead of coaxial cable as antenna feed line to reduce signal ingress. (09/11 – 49/03)

A-185 7 Inch Diameter “Affordable” FSL Antenna – Combining Maximum MW Performance with Minimal Expense (3) Gary DeBock. Detailed construction article for a 7” diameter FSL antenna. (11/11 – 49/11)

A-186 The Backpack Ferrite Sleeve Loop (FSL) Antenna (2) Kevin Schaninec. Construction details for a 12” diameter FSL, thin enough to fit into a backpack, for easy transport to a DX site. (01/12 – 49/18)

A-188 8 Inch “Ultra Light” FSL Antenna – Maximum AM-DXing Performance from a Minimal Package (4) Gary DeBock. A step by step construction project for a 8” diameter FSL antenna (04/12 – 49/27)

Ferrite Sleeve Loop Antennas – A Beginner’s Guide – Perks, quirks and step-by-step instructions for DXing success (3) Gary DeBock. FSL tuning requires some serious practical work, and this article gives all the details. An addendum describes the possibility of a broadband FSL (02/13 – 50/23)

A-190 FSL Antenna Design Optimization – All-out Experimentation to Determine Weak-Signal Performance Potential (4) Gary DeBock. An extensive analysis of three different FSL antennas to determine the importance of various design parameters. (08/13 – 51/01)

A-191 Some Field Information on the Double-Delta (D-Kaz) Antenna (11) by Mark Durenberger. Extremely detailed description of this widely used antenna, including information on construction and use, resulting tests plus some design variations (08/14 – 52/01)

A-192 A Comparison of a 7” FSL antenna and the Kiwi Pocket Loop (2) Nick Hall-Patch. These antennas were compared by using them with a Sony ICF-2010, and seeing how they performed both on trans-Pacific signals as well as on weak daytime domestic signals. (05/15 – 52/30)

A-193 1 Inch FSL Tecsun PL-980 Model – Compact Breakthrough in MW Sensitivity, Selectivity and Portability (7) Gary DeBock. Detailed instructions for constructing an FSL small enough to be used as a fixed antenna replacing an “ultraflate” portable radio’s internal loopstick, and tuned by the radio, rather than by a separate variable capacitor. (01/16 – 53/20)

A-194 A Practical Approach To Building and Evaluating a Broadband Active Loop Antenna, looking at the Mobius, Conventional Shielded and Wire Loops (6) Everett Sharp. A construction article that also investigates the capabilities of different kinds of broadband loop antennas as well as their performance (05/16 – 53/30)

A-195 One Idea for Antenna Switch-Reversal (4) Mark Durenberger. Describes circuitry to enable the DXer at the listening post to easily reverse the direction favored by a uni-directional loop antenna, as well as to vary the termination resistances. (see also Reprint T-095) (07/16 – 53/35)

A-196/G-074 DXing ‘Over Your Shoulder’ with Beverages A Comparison Test – 3/05 (2) John H Bryant. Signal strength readings from two 500’ Beverage antennas facing in opposite directions in order to determine the magnitude of the loss suffered by signal being received from “behind the Beverage”. (11/15 – 42/29)

A-197 Supercharging” Loopstick Shootout – Fight to the Finish (of the MW Band) (15) Gary DeBock. Comparing two different types of ferrite rods for use as external loopstick antennas for portable radios. (03/19 – 56/27)

A-198 Alternate way to build a DKAZ and other loops (2) Dave Aichelman, N7NZH. Using Anderson connectors and cable clamps to build a modular DKaz antenna. (10/19 – 57/07)

A-199 Fixed Phasers (2) Dave Aichelman, N7NZH. Combine spaced similar antennas with a fixed phasing unit to provide unidirectional reception patterns. (10/19 – 57/08, UPDATED 2/25/2023)

A-200 Noise Suppression for the Antenna Feed Line (6) Nick Hall-Patch. A description of commercial and homebrew methods for suppressing electrical noise that can find its way back to a radio via the antenna feed line (4/20 – 57/29)

A-201 Misek/Lankford Phaser Project 2 (16) Everett Sharp N4CY. Detailed description of constructing a modified version of the Dallas Lankford / Victor Misek phasing unit, along with examples of its capability. (06/20 – 57/34, UPDATED 6/25/2022)

A-202 The Evolution of the Lankford and WA1ION/Quantum Phasers (7) Everett Sharp N4CY. Describes a recent approach to the construction and use of the WA1ION / Quantum phaser, including a comparison with the Misek/Lankford phaser. (10/20 – 58/05, UPDATED 7/23/2022)

A-203 Phased Delta Flag Arrays (25) Dallas Lankford. This was the culmination of many articles describing dual and quad Delta Flag arrays, and goes into some detail about theory and construction of these arrays. Also includes results from DXpeditions where such arrays were used. Reprints A-204 to A-209 describe the ongoing development of these arrays, so there is some repetition, but also more background detail on the antennas described in RALL. (NEW) All Dallas Lankford RFA Reprints (Dallas Lankford family.)

A-204 Discrete LC Delay Line Phasers (6) Dallas Lankford. A more detailed examination of the development of the phasing system described in A-203. The AADE simulation software referenced in A-204 can be found here. A somewhat later version of that software may be found at http://www.ke5fx.com/aaedeflt.htm

A-205 LC Delay Phaser-Combiners (7) Dallas Lankford. Although much of this is repeated in A-203 and A-204, there is some extra information on the construction of the phaser and further explanation of the phasing process.

A-206 Phased Flag Arrays (8) Dallas Lankford. Describes an earlier manifestation of the phaser, using coaxial cable, rather than LC, delay lines. (UPDATED)

A-207 Ground Dependence Of Flag Arrays (2) Dallas Lankford. Addresses the influence of local ground characteristics on the performance of phased Flag arrays.

A-208 Dual And Quad Flag And Loop Array Phaser Theory (1) Dallas Lankford. A mathematical description of the operation of phased Flag arrays.

A-209 EZNEC Simulations Of Antennas And Dual And Quad Flag Arrays (6) Dallas Lankford. Discusses the use of antenna simulation software EZNEC to predict the characteristics of antenna arrays (this software is now freely available: https://eznec.com/)

A-210 Amplified 1 And 4 Meter Square Unmounted Loop Antennas (4) Dallas Lankford. Describes using a push-pull Norton amplifier with single turn wire loop antennas.

A-211 Measurements Of Some Antennas Signal To Man Made Noise Ratios (5) Dallas Lankford. Addresses the noise reducing characteristics of loop and whip antennas at medium and long wave frequencies.

A-212 MW Phaser #2 (6) Dallas Lankford. A description of Lankford’s version of the classic Victor Misek phaser, suitable for the MW DXer.

A-213 MWPx Phaser Variations (7) Dallas Lankford. Further modifications of the Misek phaser, suitable for the MW DXer.

A-214 Searching for an Improvement to the DKaz Antenna (7) Nick Hall-Patch. A comparison of two phased large Kaz antennas with the popular DKaz array.

A-215 MW And Low Noise Reducing Antennas (5) Dallas Lankford. An investigation into the reduction of noise pickup when using vertical and random wire antennas. See also A-107 and A-115. (NEW)

A-216 Simple Vertical Antenna For MW or SW (1) Mark Durenberger. A practical implementation of a vertical antenna as described in A-215. (NEW)

A-217 Capacitor Terminated Loop Arrays (3) Dallas Lankford. Describes an investigation into using capacitors rather than resistors as a termination for phased Flag antennas to increase low band gain. (NEW)

A-218 Dual And Quad MW PPL Flag Arrays (3) Dallas Lankford. Further from the investigation in A-217, this examines the use of preamplifiers described in T-112 at the antennas in phased Flag arrays. (NEW)

A-219 Waller Loop Arrays (6) Dallas Lankford. A detailed analysis of Waller Loop and Waller Flag arrays as used on the 160m amateur band. (NEW)

A-220 High Z PPL’s For Loop And Flag Arrays (6) Dallas Lankford. Further analysis of the preamplified antennas described in A-218. (NEW)
A-221 The Kongsfjord Quad Delta Flag Array (7) Bjarne Mjelde. Compares the Quad Delta Flag Array described in A-203 with a Beverage antenna, as well as attempts to mitigate poor low frequency QDFA response. (NEW)

A-222 LW-MW-SW Relay Tuned 15' Noise Reducing Vertical Antenna (1) Dallas Lankford. Describes a way to remotely change the impedance of a matching transformer to make a vertical antenna more broadbanded. (NEW)

A-223 Close Spaced Phased MW Vertical Receiving Antennas (2) Dallas Lankford. Vertical antennas spaced more closely than 0.1 wavelength apart in an array can still provide good nulls. (NEW)

A-224 The Best Small Antennas For MW, LW, And SW (2) Dallas Lankford. Describes an amplified isolated vertical antenna, and the necessity for a clean power supply for the amplifier. (NEW)

A-225 Some Of My Favorite Small Antennas For MW And LW (4) Dallas Lankford. An earlier version of A-224 which also includes active whip antennas. (NEW)

A-226 Low Noise Active Antennas AC/DC Power Supplies (3) Dallas Lankford. The discovery that even linear power supplies can induce electrical noise in antennas, and how to reduce that noise at the power supply. (NEW)

A-227 Fixed Phasers with Closely Spaced ALA1530 antennas (5) Dave Aichelman. A development of the system described in A-199, using lengths of coaxial cable for signal delay rather than LC components. (NEW)

A-228 Broadband Loops (2) Bruce Conti. Diagrams of large untuned loops, and the response using different feedpoints. (NEW)

A-229 Remote Control Variable Termination SuperLoop (2) Bruce Conti. The use of a potentiometer, twinlead and a transformer to remotely vary the termination resistance of a Superloop. (NEW)

A-230 Super/Ewe Terminated Broadband Loop Antenna (5) Bruce Conti. Describes an antenna that can be switched between Superloop and Ewe configurations. (NEW)


A-232 Motorized Potentiometer for Remote Control Variable Termination (4) Bruce Conti. Describes using a motorized potentiometer as an alternative to transformer-type and vactrol remote control terminations of unidirectional loops. (NEW)

A-233 Flag Theory Ila (9) Dallas Lankford. A highly mathematical description of the operation of the Flag antenna, along with simulations. (NEW)

A-234 Newer Active Flag And Delta Flag Arrays (4) Dallas Lankford. Discussion of simulated and practical operation of Delta Flag arrays. (NEW)

DOMESTIC

D-002 A History of Bootlegging in Indianapolis: The Rise and Fall of the Ten-Watt Voices (6) Charles Taylor. The story of several pirate radio stations in the 1960's. 03/75

D-017 A Few Rural Alaskan Radio Stations (3) Mike Dorner. Commentary on several radio stations in Alaska, their histories and operations. 02/78

D-018 Highway Advisory Radio (1) Bruce Portzer. Describes low powered radio stations that provide motorists with road condition information. Includes list. See L019. 04/78

D-020 A Look at AM Stereo (2) Greg Monti. Talks about the various plans for introducing stereo to AM. The possible effects of each plan are discussed. 04/80

D-021 How a Radio Network Works (1) Karl Zik. Explains how a nationwide network gets its programs to its affiliates. 10/81

D-022 America's Newest Way to Run a Station (1) Ed Ryan. Discusses satellite radio programming and how it works. 03/82

D-023 United States Domestic Radio Networking (2) Greg Monti. Complete description of national radio networking in the US. 04/82

D-024 AM-Azing Wisconsin (2) John Rieger. Discusses the programming, history, and other information on many Wisconsin stations. 02/87

D-025 Western Wisconsin (3) John Rieger. Similar to D024 but concentrates on the western part of the state. 10/87

D-026 Alaskan Radio (1) Rod O'Connor. Map, list, and short article on all the stations in Alaska. 03/86

D-027 The Alaskan Forces Radio Network (1) Rod O'Connor. Discusses the history and function of AFRN and lists current outlets. 02/86

D-028 The KTRC Antenna Systems (1) Cary Simpson. Describes this New Mexico station's unusual antenna installation. 11/86

D-029 DXing the Travelers Information Services (3) Bruce Portzer. An introduction to TIS station operation and tips for identifying them once heard. 04/88

D-030 Changes Afoot in the AM Band (2) Bruce Portzer. Discussion of recent changes made by the FCC in AM band broadcasting, including AM station power, station interference changes and band expansion to 1700. 07/92

D-031 IC Radio Canada (1) Shawn Axelrod. Informative article on the French service of Radio Canada and the future of Radio Canada. 05/95

D-032 Health Officials Employ Pop-Up Radio Transmitters and Portable Signs at Vaccine and Food Dispensing Sites (1) 01/21

D-033 Tune to 1620 AM for Hamvention Traffic, Weather, Parking and Event Info (May 20-22) (1) Bill Baker. The 2022 Dayton Hamvention had its own TIS system. (05/22) (NEW)

FOREIGN

F-001 DXing the Latins (2) Bruce Portzer. A listing by country of Central and South American stations which are easiest to pick up, plus tips on Spanish pronunciation. 08/76

F-004 DXing the TA's (2) Richard Eckman. Techniques for hearing Trans-Atlantic stations with what to listen for, organized by country. 08/79

F-005 The IRCA Mexican List (7) Bruce Portzer. Compilation of all available data on Mexican stations, including frequencies, slogsans, schedules, and powers. 04/91

F-016 Spanish, French, and Portuguese Report Forms (6) Larry Godwin/Ron Schatz/Phil Bytheway. Instructions and suggestions for writing receptions reports in Spanish, French or Portuguese, including definite, tentative and follow-up.

F-021 Tapes Reports to Foreign Countries (1) Larry Godwin. Answers questions raised concerning reception reports to other countries, with suggestions on how to mail them. 01/66

F-026 Time Pips as an Aid to IDing TP's (2) Nick Hall-Patch/Bruce Portzer. Discussion on identifying the time pips used by Pacific, Asian and European stations. 09/77

F-028 A New Era of TP DXing (2) Bruce Portzer. A list by country of easy to hear stations located in Asia and the Pacific with tips on how to hear them. 08/79

F-030 Spotlight on Soviet Far East (3) Randy Seaver. Very informative discussion of Soviet Far East BBC stations including schedules and identifying practices. 10/77

F-031 VOA Thailand/United States Forces Radio-Diego Garcia (1) Mike Hardesty. Two short articles about Pacific area stations. 08/78

F-032 Trust Territory Stations/Radio Tonga/KMTH Midway (3) Mike Hardesty. Three short articles about Pacific area stations. 08/78

F-033 Southern Command Network/Norfolk Island Broadcasting: VL2NI (1) Mike Hardester. An article about a Central American US station and another concerning VL2NI. 08/78

F-034 DXing in Sweden (3) Sigvard Andersson. A Swedish DXer describes DXing from Sweden where one tries for stations in the US. 04/79

F-035 How to Pronounce Korean, Chinese and Spanish (1) Bruce Portzer/Bill Harms. Three short articles to help understand how these languages sound. 07/92

F-036 Trans-Pacific SW Parallels (2) Bruce Portzer. List of SW parallels for BBC stations in the Trans-Pacific and Down Under areas. Useful for identifying stations. 10/79
F-037 Latin American SW Parallels (1) Bruce Portzer. List of SW parallels for CBC stations in the Latin American and Pan American areas. 10/79
F-038 Broadcasting in Bermuda (1) Charles Taylor. Talks about the country, its stations, their locations and formats. 11/79
F-039 DXing Latin America and the Caribbean: Country by Country (3) Mark Connelly/Neil Kazaross/Marc DeLorenzo. Tips on hearing Latin American countries on the CBC from the East Coast of the US. Gives programming details, where and when to listen along with a difficulty rating. 12/79
F-040 Hawaiian Latin America and Caribbean Stations in the Pacific NW (2) Bruce Portzer. As above, except from the Pacific North West. 12/79
F-041 DXing in Africa (5) Pete Taylor. A DXer talks about what he heard while in Africa. Includes a list of stations. 01/80
F-042 DXing in Asia (4) Pete Taylor. Pete talks about DXing while he was in Asia. A list of stations is included. 02/80
F-043 A Zonal Analysis Approach to Trans-Atlantic DX (2) Mark Connelly. Divides TAs into zones according to great circle bearing. Discusses conditions responsible for reception and/or non-reception of each zone. A chart showing divisions for each zone is included. 02/80
F-044 A Trans-Pacific DXers Guide to Sunrise and Sunset Times (2) Mark Connelly. A technique is described for estimating times to listen for TAs based on the sunrise at the station and sunset at the listener. Tables for TA sunrise and US sunset times are included. Also Latin American sunrise chart is included. 02/80
F-045 A Zonal Analysis Approach to Pan-American DXing (2) Mark Connelly. Groups Pan-American signals by loop bearing and discusses conditions allowing/blocking reception of each "zone". Chart for the zonal breakdown in MA is also included. 06/80
F-046 A Zonal Analysis Approach to Trans-Pacific DX (1) Bruce Portzer. TP signals are broken down according to loop bearing and distance. Reception depends on each zone, the chart showing each zone is included. 09/80
F-047 The DXers Guide to China (5) Bruce Portzer. Everything you wanted to know about broadcasting in China including pronunciation guide, map, list of stations, schedules and formats. 10/80 See also F050.
F-048 A Guide to DXing Korea (4) Bill Harms. A very complete guide to broadcasting in Korea. Networks, IDs and QSL policies are discussed. Includes a list of stations. 02/81
F-049 A Letter from the South (2) Pete Taylor. DXing from the southern tip of Baja California Sur. Complete with list of stations heard and program details. 03/81
F-050 Random Remarks on Chinese Broadcasting (3) Pete Taylor. Comments and information on Chinese broadcasting with station list, maps, and program information. 03/81
F-051 An American DXer in Europe (2) Bruce Portzer. Vacation in Europe with a radio. DXing from various locations is discussed. Includes a list of stations heard. 11/81
F-052 AFRN (1) Description of AFRN in Alaska. Outlines types of stations and programming. 12/81
F-053 Latin American Holidays (2). Updated periodically. 04/82
F-054 IDing Japanese Broadcast Stations (1) Charles A Taylor. Concise explanation of how Japanese NHK and commercial stations identify. Describes what to listen for. 01/82
F-055 China Remonitored (1) FERC (Far East Radio Club). List of Chinese stations, as monitored by the FERC in Japan. 02/82
F-056 TA DX from West Coast North America (4) Nick Hall/Patrick/Bruce Portzer. A very complete analysis of TA reception from the West Coast. Receptions are tabulated by zones and discussed in detail, 02/82
F-057 Japanese Radio Networks (2) Japan BCL Federation. List of Japanese network affiliates and a map showing locations. NHK stations' local addresses are also included. 03/82
F-058 DXing Mexico (3) Bruce Portzer. Tips on hearing and identifying stations in Mexico. Information is broken down by 'estado' with suggestions on how to hear each one. 03/82
F-059 Live...From Tegucigalpa, Honduras (1) Don Moore. List of station formats. 04/82
F-060 DXing from Jan Mayen: 1981-82 (5) Geir Stokkeland. A Norwegian DXer describes DXing on the small Arctic island of Jan Mayen (between Scandinavia and Iceland). A list of MW stations which were heard is included. 09/82
F-061 Your First 40 Trans-Atlantic Countries (5) Mark Connelly. Reception of TA countries is outlined with frequencies, times and analysis of propagation. 09/82
F-062 Your First 50 Countries in English Broadcasts (2) Jim Hall. The US and SE Canadian point of view is stressed; however, details are useful to all DXers. 10/82
F-063 The Odds on the Even TA's (Revisited) (4) Mark Connelly. Discussion of hearing Trans-Atlantic stations located on North American frequencies (ie, 10 kHz). Equipment, technique and scheduling with list of schedule information are included. 11/82
F-064 A Cross-Index of China (4) Art Peterson. Complete listing of the new Pinyin and the older Wade-Giles spelling of Chinese cities with latitude/longitude
F-065 Private Medium Wave Stations in Indonesia (5) Complete with call, frequency and locations. 03/83
F-066 Report from the Virgin Islands (4) Glenn Hauser. DXer tells what it's like to DX from the Virgin Islands. Many loggings included. 01/83
F-067 MW Stations in Australia (3). List. 03/83
F-068 Report from Arabia (3) Richard Wood. 04/83
F-069 Report from Paradise (1) Don Moore. Author describes his visit to the 'El Paraíso' section of Honduras and the radio stations he found there. 05/83
F-070 The Kiwi Korner (2) Pete Taylor. Listing of New Zealand stations and times of local originated broadcast which can be used to aid in verification. 06/83
F-071 A Jamaican DXing Holiday (3) Gerry Thomas. A DXer visits Jamaica and reports what he heard during mid-day and midevening. 09/83
F-072 Report from Guatemala (1) Don Moore. A few impressions of radio in Guatemala. 09/83
F-073 IRCA Central American List (6) Bruce Portzer/Don Moore. One of the most complete and accurate lists of Central American stations. Compiled by Bruce and checked by Don (living in Central America). 01/84
F-074 DXing in Alaska (2) Hurley Parkhurst. Summary of station loggings from 09/82 to 10/83 heard in Nenana, Alaska. 12/83
F-075 Australian Slogan List (1) David Headland. List of station slogans heard between 08/84 and 09/84. 10/84
F-076 A Change in the Romanization System for Korean Place Names (1) Bill Harms. Introduces the new "Modified McCune-Reischauer" system for Korean spellings. 11/84
F-077 The First Fifty Countries from Hawaii (2) Richard Wood. Lists Richard's first 50 countries with tips, grouped by location. 12/84
F-078 Introduction of the Stations in the Range 1600-1700 kHz (1) Yoshihiro Kato (via FERC). Lists low powered Japanese and coastal stations just above the BCB.
F-079 Korean Broadcasting Systems Station List (2) Bill Harms. Lists the power, network, frequency, address, etc of all KBS stations. 11/85
F-080 Australian Radio Slogan List (2) David Headland/Chris Rogers. Lists the on-air slogans used by Australian stations. 02/86
F-081 Caribbean Guide (2) Mark Connelly. Best bets for hearing the Caribbean countries in the Northeastern US.
F-082 Trans-Pacific Shortwave Parallels (3) Nick Hall/Patrick/PAUL ROUTENBERG. Lists all Trans-Pacific BCB stations with known shortwave parallels, and their frequencies. 10/86
F-083 Radio Reloj (1) Jim Hall. Describes this Cuban network and how to hear it. 10/87
F-084 Cuban Frequency Roster (1) Jim Hall. Lists Cuban stations and their network affiliation. 01/88
F-085 Christian Broadcasting System (Korea) (1) Bill Harms. List of outlets, with frequency, power, schedule, and address for each. 03/85
F-086 South American Reception in Hawaii (2) Richard Wood. Discusses reception of South American stations in Hawaii. 03/85
F-087 Best Bets for Latin America (2) Mark Connelly. Discusses reception of Latin America in the Northeastern US, with probable targets for each country. 03/85
F-088 A Look at Radio Rebelde (2) Jim Hall. Discusses the programming, locations and frequencies of outlets, and QSL policies of this Cuban network. 11/86
F-089 American Forces Network Europe (1) Bill Harms. Affiliates and program schedule. 02/87
F-090 DXing the Latin Splits: The LA Split Frequency Yearbook/History (2) Discussion of Pan American stations broadcasting on non-10 kHz frequencies. A very complete list of stations heard is included. 10/88
F-091 Radio Taino (2) Jim Hall. All you ever wanted to know about this Cuban Tour Radio station network. 12/88
F-092 DXing in China (2) Masaru Duga. By frequency listing of Chinese stations heard from 3 locations. Reprinted from Far East Radio Club. 01/89
F-093 1985 Cuban Standard Broadcast List (2). Complete list of Cuban AM stations, including network and power. 01/89
F-094 Nicaragua: Special Report (1) Jorma Mantyla. Discussion of radio in Nicaragua and a list of stations/formats. 02/89
F-095 Latin American DX Trip, February-March 1989  (1) Pete Taylor. Discussion of DX heard on a boat trip from Lima, Peru to Los Angeles (with stops). 04/89
F-096 Antipodean DX Odyssey  (2) Niels Wolfish. Bandscans and DX as heard during a trip to Australia, New Zealand and Fiji during the summer of 1989. 10/89
F-097 Foreign DX on the West Coast  (3) Bruce Portzer. Detailed outline of equipment, conditions and information necessary to foreign DX. Discussion of hearing TA, TP and PA stations with country-by-country best bets. 01/91
F-098 Newfoundland DXpedition: November '91  (9) Mark Connelly. Details of a DXpedition to the east coast of Newfoundland with Neil Kazaross and Jean Burnell in Nov of '91 where much exotic foreign DX was logged. Complete details of all DX heard. 12/91
F-100 Russian Far East Stations  (1) Bruce Portzer. Partial list of stations in the Far East region of Russia. Includes some schedules. From the Leningrad DX Club. 10/92
F-101 Phonetics Cause Problems When IDing XE Calls  (1) Carl Huffacker. Describes possible call pronunciation confusion when IDing Mexican stations. 11/92
F-102 The October 1993 Newfoundland DXpedition  (20) Jean Burrell, Mark Connelly, Bruce Conti, Neil Kazaross
F-103 Your First 50 Trans-Atlantic Countries (and then some)  (8) Mark Connelly. A complete guide to hearing Trans-Atlantic countries from East Coast North America, including equipment and techniques. Countries are rated by difficulty from easy to difficult with target lists for each country. 10/94
F-104 The Newfoundland DXpedition of Spring 1995  (6) Jean Burrell. Tabulation of the May 10 through May 14 1995 DXpedition... complete with loggings, etc. 07/95
F-105 The October 1995 Newfoundland DXpedition  (22) Mark Connelly. Tabulation of the October 12 through 15 1995 DXpedition... complete with loggings, etc. 09/95
F-106 List of Marine Weather Information Stations in Japan  (1) Following is a list of the 28 stations operating in Japan. All operate every hour for 1:2-1/2 minutes giving weather and ID info. All operate on 1670.5 kHz in the H3E mode. After the station location, the time the station is on follows. Note: Many of these locations are not listed on a map. 10/98
F-107 Bruce Portzer's DX report  (10) From a recent trip to St Lucia in the Caribbean. 12/00
F-108 Japanese Male Station List  (6) John Bryant. A comprehensive list of Japanese AM stations. Sorted by frequency, location, and Commercial Broadcasters. 03/01
F-109 Caribbean Cruise Notes  (1) Bob Foxworth. Some notes on his 3 day Western Caribbean Carnival Cruise. 12/01
F-110 The Fidel Report  (6) Harold Frodge. Networks and Broadcasting stations in Cuba. 03/02
F-111 Medium Wave Parallels in Trans Pacific DXing from the West Coast of North America  (2) John H Bryant. 11/02
F-112 Alaska from the lower 48 states  (1) Craig Healy. Grayline DXing Alaska from the US Northeast, and across the country to the west coast. 05/03
F-113 The Japan Radio Museum  (1) Nick Hall-Patch. A visit to a museum in Matsumoto, Japan, that displays examples of Japanese electronic devices from the 1920s through the 70s. (02/18 – 55/23)
F-114 All India Radio stations heard in Newfoundland in 2020  (1) Jean Burnell. Observed sign on times for All India Radio stations. (12/20 - 58/15)
F-115 Time Pipes Catalog  (6) Russ Edmunds WB2BKH, Brett Saylor WS5WL. A listing of time pipes used by various broadcasters at the top of the hour, with links to audio recordings. (NEW)
F-116 Clones of the 1557 Rumber?  (1) Nick Hall-Patch. Chinese jamming of Taiwan's signal on 1557kHz seems to include ~33Hz sidebands with harmonics. But why do similar sidebands turn up on other channels? (2/22) (NEW)

GENERAL

G-001 DX While You Sleep  (1) Paul Petersky/Tom Sundstrom. Outlines techniques for recording special tests or DXing while asleep. 09/72
G-002 Noise  (1) Lawrence Foster/John Kalpws. Discussion of eliminating various types of noise, including fluorescent lamp noise. 12/67
G-003 Sunrise/Sunset Maps  (1) Ernie Wesolowski/Father Jack Pejza. 24 maps showing sunset and sunrise times for the US and the World. Includes explanation of their use and examples of DX made possible by a knowledge of SR/SS times. 02/95
G-004 How Do You Rate Your Best Catch  (1) Larry Godwin. Gives some criteria DXers might use to rate catches. 04/66
G-005 Computation of Sunrise and Sunset Times  (14) Father Jack Pejza. Tables and instructions for computing the exact time of sunrise and sunset for latitudes up to 60 degrees N and S, throughout the year. 12/73
G-006 Information Please  (1) Father Jack Pejza. Describes a system used to keep station records, with the ability to retrieve information easily. 05/72
G-008 FCC Rules: Station Identification  (1) Bill Hardy. The rules and a short explanation. 09/94
G-009 FCC Rules: Pre-Sunrise Service Authorization  (2) Bill Hardy. The rules and a short explanation. 01/75
G-010 Territory-Geometrical BCB DXing  (2) Dave Fischer. Several methods of systematically DXing are described. 01/75
G-011 Verbies  (4) Karl Forth. Several reception reports to a fictitious station done by different DXers. 01/75
G-012 All You Wanted to Know about Running a Radio Club Convention But Didn't Know Who to Ask  (16) Father Jack Pejza. An experienced convention host gives suggestions, ideas and warnings. Includes news release and souvenir contests. With additional information from later convention hosts, as well. 05/03
G-013 Average Coverage in Miles  (1) Dave Fischer. Chart showing the coverage area of BCB stations by frequency and power. 12/68
G-014 Morse Code Identification  (1) Larry Godwin. Techniques for using Morse Code to ID testing stations. Also includes the code alphabet. 02/70
G-015 Verbies – by Area of the US  (1) Karl Forth. Discusses percentages of verification returns by state and provinces. 09/74
G-016 UTC – GMT Conversion Chart  (1). Includes all time zones of North America. 02/79
G-017 After 50 years at the Game, One DXer Learns a New Trick  (1) Gene Martin. A technique is described for using the BFO to hear stations next to strong domestic stations. 01/76
G-018 Sunrise, Sunset, and the Shortest Day of the Year  (1) Bill Hardy. Explains why the length of the day and the time of sunset don't necessarily jibe directly. Also talks about how a DXer can take advantage of it. 12/77
G-020 World Time Chart  (1). World map showing all time zones and the letter designation of each. 01/77
G-021 Perceptual Confusions Among Letters of the Alphabet  (2) Gerry Thomas. Analyzes the possible confusions resulting in identifying call letters in a background of static and other noises. 08/77
G-023 Sunrise DX in Depth  (2) Robert Kramer/Nick Hall-Patch. Three part analysis of sunrise DX with specific examples and techniques outlined. 02/78
G-024 Writing Reception Reports  (3) Bob Coomler. Hints and techniques for writing good reception reports. Defines which details are verifiable and other information to include. A sample report is also included. 04/79
G-025 Mistake DXing  (1) Bill Hardy. Talks about the kinds of mistakes radio station personnel can make and how a DXer might hear a station because of them. 10/78
G-026 Allocations  (2) Bill Hardy. Discusses how the CB frequencies are broken down and the types of stations that can operate in each frequency. 10/80
G-027 The Traveling DXer  (1) Mark Connelly. Talks about the equipment and techniques for the DXer when DXing away from home. See M021 for some technical details. 02/79
G-028 Home Computers and DXing  (1) Mark Connelly. Several suggestions on how a home computer may be used to keep DX records, do DX calculations, etc. 02/80
G-029 DXing the Contests/Graveyard Channels  (1) Robert Kramer. Explains how becoming involved in a DX contest can improve your DX skills. List of tips used to win contests is included. Describes the different techniques needed for hearing stations on graveyard channels. List of times and tips. 09/81 and 10/81
G-030 Some Random Notes on Sunrise Skip  (1) Robert Kramer. Discussion of sunrise skip and how it can be used to hear new stations. Good list of guidelines provided. 10/81
G-031 Time Documentation of DX  (2) Charles R Smiley Jr. Author describes two techniques for recording time information on a stereo recorder. 08/82
G-032 DXing the Cordless Phones  (1) Craig Healy. Techniques for listening to local cordless phone conversations. 08/82
- G-033 Sunset Skip in Depth (3) Robert Kramer. An experienced DXer gives insight and pointers for getting the most out of sunset DX. 10/82
- G-034 DX Edge (1) Sheldon Remington. Review of a device used for determining worldwide monthly sunset and sunrise times, as well as the terminator. 11/82
- G-035 A Walkfish Approach to Sunset Skip DX (1) Neil Wolfish. Tips on how to hear daytime only stations in 50 states at sunset from the NE US and Eastern Canada. 02/83
- G-036 When to do DX (2) Bill Hardy. Concise article that touches on times that certain types of DX can be heard. Excellent for the beginner to acquaint him/her with different techniques of the hobby. 03/83
- G-037 Sunset Skip: A Midwestern Perspective (2) Karl Forth. Complete explanation of sunset DX with a slight focus on DXing from the Midwest. Many hints included. 03/83
- G-038 DXing During Aurora (2) Robert Kramer. All the facts and details about DXing during an aurora, including what to expect, what to look for, and a list of pointers. 04/83
- G-039 A New Look at Daytime DX (2) Bill Harms. Discussion of daytime DX from inland locations. Examples of DX from Utah included. 09/83
- G-040 DXing the 1984 Solar Eclipse (2) Gerry Thomas. Good analysis of BC8 conditions before, during and after the May 1984 eclipse from Pensacola, Florida. 07/84
- G-041 A DXer's Guide to Headphones (1) Dennis Kibble. Discussion and a list of headphones currently on the market. 11/84
- G-042 (Retail) Electronic Parts Suppliers (2) Mark Connelly. Addresses of electronic part suppliers and their specialties, in alphabetical order. 01/85
- G-043 Survey of the US DX Stations. Summary of US stations heard in Finland. 04/85
- G-044 Several DX Computer Programs (6) Mark Connelly. Discussion and program listing for BASIC computer programs to calculate sunrise/sunset times, Great Circle bearing/distance, and sort by frequency for loggings. 04/85
- G-045 Formatting Explained (3) Greg Monti. Describes the various formats used by American radio stations. 02/86
- G-046 How I DX (1) Phil Bythway. Five club members describe their DX strategies. 05/87
- G-047 Hearing the Whole State (1) Bruce Porterz. Strategies and techniques for the DXer that wants to hear all the states in the home and adjacent states. 02/88
- G-048 Getting Your Listening Organized (1) Shawn Axelrod. Describes forms for station logging, target stations and UNID used to organize DXing. 06/88
- G-049 An Effective Ground System (1) Shawn Axelrod. Putting in an effective ground system is discussed. 11/88
- G-050 The Right Stuff to be a DXer (1) Glen Kippel. Discussion of the basic equipment and other paraphernalia necessary to begin and enjoy BC8 DXing. 12/88
- G-051 Some Random Thoughts on a Listening Post Set Up (1) Shawn Axelrod. Several tips on the set up of a DX listening post. 12/88
- G-052 There is Safety in Numbers (1) Shawn Axelrod. Discussion of home security, as it pertains to DX related equipment. 06/89
- G-053 Book Review: Baseball America 1991 Radio TV Guide (1) Bill Hardy. Review of this useful reference for baseball fans which contains complete network and team information. 07/91
- G-054 The Future of AM Radio: Some Statistical Studies (2) Randy Stewart. Randy interviews Dr Arlen Diamond, asking questions about AM radio's future. Results of various audio quality studies are discussed. 09/91
- G-055 DXing with a Winning Game Plan (3) Leonard Hyde. Several ideas for improving your DX: targeting methods. 05/92
- G-056 Effective Summertime DXing (1) Leonard Hyde. DXers describe techniques they use to hear AM DX in the summer. 07/92
- G-057 Coastal DXpeditions - The Logical and Absurd Next Step (3) Nick Hall-Patch. DXing aboard an Ocean Sciences vessel in the Pacific. Includes list of stations heard. 11/92
- G-058 Using the Computer in DXing (3) Mark Connelly. Some ideas on how a PC can help with DX reports, record keeping and calculations. 12/92
- G-059 Getting Started in MW DXing (1) Mark Connelly. Discussion of the types of receivers used for MW DX, including portable, communications, surplus and car receivers. Discussion of all types of antennas, their strengths and weaknesses. Discusses log keeping and supporting DX clubs. 07/93
- G-060 Using the Stereophonic Decoder in Your Brain (1) Cary Simpson. A brief discussion of what happens when using headphones that have audio from different radios in each ear. 09/93
- G-061 Mini-DXpeditions (2) Mark Connelly. Discussion of the advantages of short (time and/or distance-wise) DXpeditions utilizing car radio or small portable. Includes a checklist of essentials. 09/94
- G-062 Longwave DX (1) Shawn Axelrod. Introduction and hints for DXing AM broadcasts from 153 to 279 kHz. 03/96
- G-064 Frequent Selective Voltmeters and their Uses in the Radio Hobby (3) Don Moman. A description of how these pieces of surplus test equipment can be used as DX receivers, what features to look for, and quick reviews of some of the available models. 02/98
- G-065 Use of Directional Maps to Track Station Reception (4) Richard P Boehme. Using a computer and the FCC data base, Richard shows how to calculate distance and azimuth for DX stations.
- G-066 Using the A-index to predict good propagation? (2) Nick Hall-Patch. An analysis of receptions of HLAZ-1566 in Western Canada over three DX seasons, with an unsuccessful attempt to correlate the best receptions with low A-indices. 09/90
- G-067 The Aurora (2) Several DX report their loggings from a major Aurora event. 04/01
- G-068 My "much-beloved" Audio Switching Network (4) John Bryant. Describes a system to allow a DXer to monitor two receivers at once, either in stereo or separately. Similar to M11. 05/01
- G-069 My first 25 states from Northern California (without using a loop) (2) Rich Toebe. Hearing 25 states in just over a year within 25 miles of home using a stock car radio. 10/01
- G-070 Radio Youth of a City Boy (2) Walt Breville. Recollections of a St. Louis DXer from the late 40s into the late 60s. 12/01
- G-072 A Dummies’ Guide to Working with Wall Warts (4) John H Bryant/Bill Bowers. A detailed look at the internal workings of the ubiquitous DC voltage supply, with some suggestions for improving it. (01/05 – 42/16, 42/18 and 42/19)
- G-073 DXing the Graveyard Channels (3) Les Rayburn. (05/05 – 42/27)
- G-074 The RCA RP5012 digital voice recorder (2) Bob Foxworth. A review of another early solid state digital recorder (10/05 – 42/05)
- G-075 LF NDB Information (1) Ron Heidler. An introduction to NDB DXing including further online resources. (10/06 – 44/05)
- G-076 Airport Security and Airline Based DXpeditioning – Lessons Learned (1) John H Bryant. Experience-based advice about transporting DXpedition gear internationally through airport security. (06/07 – 44/18)
- G-077 Audio Phasing (2) Kevin Scharanec. An unusual approach to phasing, illustrated by using two Sony SRF-59 "ultralights" and combining their headphone outputs, along with example DX heard. (01/08 – 45/17)
- G-078 Using the NRC Pattern Book as a Serious DX Tool (1) John H Bryant. Targeting new DX in your area using the maps in the NRC pattern book. (12/09 – 47/15)
- G-079 Working with Universal’s Radio Stands (2) John H Bryant. Innovative variations on using commercially available radio stands with "ultralight" portable (01/10 – 47/16)
- G-080 John Bryant Memorial (3). An appreciation of one of IRCAs most active DXers and innovators from his many friends after his unexpected death (02/10 – 47/23)
- G-081 Coverage Maps from Your Editor-in-Chief’s Collection (2) Eric Bueneman. Background details of several coverage maps from different radio stations in the Midwest and Georgia (12/12 – 50/16)
- G-082 Verification Highlights from My DX Career (1) Eric Bueneman. (03/13 – 50/24)
- G-083 Your First Ten Missouri AM Stations (1) Eric Bueneman. Most likely targets for the out of state DXer. (09/03 – 51/02)
- G-084 Prepared Form Cards and Letters: Another Way to Get Radio Station Verifications (2) Eric Bueneman. A detailed discussion about preparing QSLs yourself in order to increase returns on verification requests. (10/13 – 51/05)
- G-085 Studio 1 Software for DXing (1) Keith McGinnis/Bill Nollman. A discussion about alternate software for LW, MW and HF listening when using the Perseus receiver. (03/14 – 51/26)
- G-086 Explaining Christian Radio (2) Eric Bueneman. Detailed description of different Christian radio formats.(05/14 – 51/30)
- G-087 Early IRCA History (1) Larry Godwin. A recounting of the beginnings of IRCA by one of the original founders(10/14 – 52/05)
- G-088 Glenn Hauser’s New Mexico Trip Log (2) Glenn Hauser. (11/15 – 53/09)
**HISTORY OF RADIO**

- **G-089 Northeast blackout Radio Reminiscences, 50 years later** (1) Mark Connelly. (11/15 – 53/11)
- **G-090 Searching DX Monitors** (1) Jon Parkins. Using Adobe Reader to search multiple issues of DX Monitor for information (08/16 – 54/01)
- **G-091 DXing in an urban area for $200** (1) Jon Parkins. Desirable attributes of inexpensive receivers, and comments on a couple of models. (01/17 – 54/21)
- **G-092 Evaluating a Medium Wave “Log”** (2) Mark Durenberger. Testing a loop antenna laid on the ground (Loop On Ground) against a DKaz antenna (08/17 – 55/01)
- **G-093 Eclipse DX p1** (4) IRAQ eGroup. Loggings during the 2017 solar eclipse. (09/17 – 55/02)
- **G-094 Eclipse DX p2** (1) IRAQ eGroup. Loggings during the 2017 solar eclipse (09/17 – 55/03)
- **G-095 9/21 Once in a while a DXer stumbles into some incredibly good luck! During our solar eclipse trip to the ocean coastline of Lincoln City, Oregon** (1) Gary DeBoer. Serendipitous discovery of a trans Pacific DX opening while on a trip to observe the 2017 solar eclipse. (09/17 – 55/04)
- **G-096 Solar Eclipse Circa 1924 DX from Western America** (5) Nick Hall-Patch. Four widely separated DXers monitored KSL-1160’s signal strength during the 2017 solar eclipse. Their results are described and analyzed. (02/19 – 56/25)
- **G-097 Go Remote, Young Man! / A Compact RSPdx & Wellbrook Loop Kit for the Beach — My Approach** (7) Bjarne Mjøide / Guy Atkins. How to set up a remote, unattended DXing site, as well as what is needed to quickly set up a small temporary DXpedition site. (12/20 – 58/15)
- **G-098 The art of going mobile** (19) Chris Kadlec. A comprehensive look at DXing in the outdoors and 20 tips to make it successful by an experienced mobile DXer, who has also gathered the experience of many other mobile DXers. (NEW)

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**See also:**
- **H-001 Frequencies Before 1941.** (1) Ron Schatz. Describes the broadcast radio spectrum prior to the 1941 NARBA Treaty. See H030.
- **H-002 A Silent Night** (1) Gene Martin. January 24 1926 was the night almost all US stations went off the air to allow DXers to try for European stations. See H013.
- **H-003 So You Heard 3XN, or was it Whippnny, New Jersey?** (2) Gene Martin. Describes the early days of radio. See H026.
- **H-004 Calls and Slogans** (1) Glenn Hauser. The call letters of many stations often reflect the station’s origins. See H005 and H018.
- **H-005 Radio History Often Preserved in Call Letters** (1) Gene Martin. Similar to H004.
- **H-006 Converting kHz to Meters** (1) Thomas White. In the early days of radio, stations were located by their wavelength, not frequency. This chart makes the conversion.
- **H-007 The Top Becomes the Bottom** (1) Gene Martin. What happened when the US changed from wavelength to frequency.
- **H-008 KPPC-AM: Not Just Your Average Radio Station** (1) Jay Murley. Description and history of one of the few 100 watt stations left in the US. 12/73
- **H-009 The WRN and KDKA Stories** (1) Larry Flegle/Pete Kemp. Describes two early stations, plus some odds and ends on old-time radio. 02/75
- **H-010 The WGL Story** (1) The Indiana station tells its story. 03/74
- **H-011 The FCC “Honor Roll”** (1) Bill Hardy. Some stations taken off the air by order of the FCC before 06/72.
- **H-012 A Little Bit of Anarchy** (2) Thomas White. Describes the broadcasting industry in 1926 and 1927 when there was no Federal regulatory agency. 07/75
- **H-013 Radio History: The International Radio Week Tests** (3) Thomas White. Covers the international tests between North America and Europe from 1923 to 1926. See H005.
- **H-014 Dial-Number Order for Stations** (2) Jim Critchett. List of North American radio stations in 1934.
- **H-015 BCB Radio Stations in Canada in 1929** (1) Dan Sys. Listed by province and city.
- **H-016 Can You Top This?** (1) Father Jack Pejza. Some radio station calls that preserve the initials of the owner or a regional feature. From 1938. See H004.
- **H-017 WLW and Superpower** (1) Mike Worst. Report on WLW’s operation of a 500 kW transmitter in the 1930’s. See H142.
- **H-018 Radio History – 1912 to 1937** (5). Reprinted from the 1938 Radio Annual. Short notes on advances in the state of the art.
- **H-019 Single Letter Call History** (6) Thomas White. Covers the international tests between North America and Europe from 1923 to 1926. See H005.
- **H-020 International Radio Week Tests** (3) Thomas White. Covers the international tests between North America and Europe from 1923 to 1926. See H005.
- **H-022 US Radio in World War Two** (2) Gene Martin. Personal reminiscences on what broadcasting was like during WW2.
- **H-023 “Super-Power” – 1925 Style** (2). Some theories about super power from 1925.
- **H-024 KDKA (1). Article about the station, reprinted from the 08/22 issue of Wireless Age.
- **H-025 Remembering the Old Days of DXing** (3) Gene Martin. More reminiscences of DXing in the 1930’s. See H003.
- **H-026 WHA – The Oldest Station in the Nation** (1) Bob Lazar. A station’s history. 10/77
- **H-027 The Legacy of the Attic Antenna** (1) Bruce Porter. Describes an attic antenna that was built into the author’s home in the 1920’s. 07/78
- **H-028 Story of the “KOB” Problem** (7) Bill Hardy. First part is reprinted from the Federal Register. The remainder are articles that have appeared since. KOB takes WABC to court for clear channel rights and losses. 06/78
- **H-029 November 1978 Frequency Shifts Similar to 1941** (1) Cary Simpson. Describes the change to the present day radio spectrum that occurred in 1941. See H001. 12/78
- **H-030 Uncrowded Bands** (1) Bob Curtis. A DXer recalls the days when the CBC was uncrowded.
- **H-031 The Mysticure of the Three Letter Call Signs** (2) Thomas White. Nostalgic discussion of three-letter calls with information on the various stations. See H021. 09/79
- **H-032 Sharing Time** (2) Thomas White. Explains the origins of Sharing Time stations, problems associated with them and other historical notes. 12/79
- **H-033 Looking Back at Radio in 1930** (5) Gene Martin. Talks about radio back in 1930 including information on programs, personalities and schedules. A complete radio listing from the 12/30 Radex is also included. 02/80
- **H-034 Extraterrestrial DX Circa 1924** (2) Thomas White. Author recalls one night in 08/24 when all stations went off to allow people to try to hear transmissions from Mars. 08/80
- **H-035 The Early History of Radio Hauraki** (1). The story behind the birth of New Zealand’s “pirate” Radio Hauraki. 01/81
- **H-036 Two Stations in One** (2) Bill Hardy. Describes the joint operation of KITN-1420, Centralia-Chehalis WA. 07/82
- **H-037 Origion of Call Letters in the Early Days** (2) Cary Simpson. Traces the history of call assignments.
- **H-040 Amateur Broadcasting Station 10BQ** (1) Gardner Smith. Describes a low-powered Canadian station which operated in the 1920’s and 30’s.
- **H-041 Amateur Broadcasting Station 10BG** (1) Steve Mittman. Description of 04/01/88 programming on KRLA, when the station became KFWB of 1958, KRLA of 1963 and KHU of 1968. 06/88
- **H-042 WHO Broadcasting Company History** (1). Short history of WHO from 01/10/24 to 1981. 12/88
- **H-043 Los Angeles Radio History Repeats Itself (sort of)** (3) Jim Hilliker. A look at the radio activity on 1300, 1330 and 1430 kHz in Southern California. 12/88
- **H-044 Farewell to KFAC, KWWK Moves 30 kHz, and Greetings to KAZN** (3) Steve Mittman. Discussion of KFAC-1330’s history and the final broadcast text, also discussion of KAZN programming. 03/89
- **H-045 History of Idaho AM Radio** (2) Frank Aden Jr. Brief discussion of the History of radio in ID, including brief history of each station. 04/89
- **H-047 An Interview with Tom Shannon** (3) George Santulli. A legendary radio personality from station WKBW in Buffalo, NY discusses his career. Courtesy of National Capital Radio and Television Museum (https://ncrvt.org/)
- **H-048 The Thrill of Radio DXing** (5) George Santulli. A DXer describes his early discovery of the hobby, which led to a later career in broadcasting. Courtesy of National Capital Radio and Television Museum (https://ncrvt.org/)
H-051 Distant Listening and Verified Reception Stamps. (5) Brian Belanger. Describes “radio stamps”, such as those provided by the Ekko company, that early radio stations sent out with their verifications. Courtesy of National Capital Radio and Television Museum (https://ncrtv.org/)

H-052 The Development of the Directional AM Broadcast Antenna (8) John Schneider, W9FGH. In the early years of AM radio broadcasting, all stations utilized non-directional antennas, but protection of other station's signals on the same channel led to the development of directional transmitting antennas. Early adopters of the technology are described along with resulting antenna patterns. (NEW)

LISTS

L-002 1988 FREQ CHECK LIST (3). A list of frequency tests by month.
L-017 Best Bet 50 States from the Pacific Northwest (2) Bruce Portzer. States are rated very easy, easy, moderate, difficult and very difficult, and best bets on stations listed for each. See L025, L027, L034 and L036. 01/83
L-019 Utility Stations (3) Bruce Portzer. A list and some information about beacons, traveler information and other stations around and within the BCB. 06/83
L-020 Canadian Family Life: It’s Twins (2) John Oldfield. Describes small networks in Canada. 06/83
L-021 CBC English and French Network List (1). List of the two major networks in Canada, including schedule information. 06/83
L-025 Best Bets for 50 states – from NY-NJ-New England (2) Roger Morby. List of stations for all 50 states as possible from the NY, NJ and New England area. See L017. 08/78
L-027 BEST BETS (2) SOUTH CAROLINA.
L-028 EAST SPOTLIGHT (1) MISSISSIPPI.
L-029 WEST SPOTLIGHT (1) NEW MEXICO.
L-030 WEST SPOTLIGHT (3) COLORADO.
L-031 EAST SPOTLIGHT (1) WEST VIRGINIA.
L-032 WEST SPOTLIGHT (7) TEXAS.
L-033 EAST SPOTLIGHT (1) NEW JERSEY.
L-034 EAST SPOTLIGHT (1) ILLINOIS.
L-035 WEST SPOTLIGHT (3) IDAHO.
L-036 EAST SPOTLIGHT (1) ONTARIO.
L-037 WEST SPOTLIGHT (2) NEVADA.
L-038 KANSAS INFO NET (1) List of stations on the Kansas info Network.
L-039 MUSIC COUNTRY NETWORK (2) WSM Music Country stations.
L-040 WEST SPOTLIGHT (2) UTAH.
L-041 AM STEREO STATIONS (2) List of AM stations in Stereo (outdated).
L-042 DX TRIP TO EL PASO (5) Mark Connelly.
L-043 FOCUS ON THE FAMILY (2) Network List.
L-044 ALBUQUERQUE BAND SCAN (1) Jef Jaisun.
L-045 ALASKA AM SCENE (1) AM Stations in Alaska.
L-046 TALKNET LIST (1) NBC Talknet stations.
L-047 FAIRBANKS, ALASKA Bandscan (4) Frank Merril.
L-048 The Word for Today (1) List of stations that carry the "Word for Today" program, in alphabetical order by state. 02/88
L-049 Hearing 50 States in the Northwest (2) Bruce Portzer. Discussion of which stations may be heard in from each state and province from Seattle WA. Each state/province is graded as to its difficulty. 04/88
L-050 Hearing 50 States & 10 Provinces in Manitoba (3) Niel Wolfish. Discussion of which stations may be heard in from each state and province from Manitoba. Each state/province is graded as to its difficulty. 09/88
L-051 More of the World Above 1600 (6) Shawn Axelrod. Complete discussion of what can be heard above 1600 kHz at this time. Beacons, experimental stations and stations, drifter buoys, maritime and pirate stations are covered in a complete listing. 07/95
L-052 2015 IRCA Countries List (5) Bruce Portzer. (09/15 – 52/02
L-053 2016 IRCA Countries List (5) Bruce Portzer. (9/16 – 54/03)
L-054 AM X-band list for 2016-17 DX Season (1) Tony Rogers. Radio station assignments of 10 kHz channels above 1600kHz in the Americas. (01/17 – 54/16)
L-055 2017 IRCA Countries List (5) Bruce Portzer. (09/17 – 55/04)
L-056 2018 IRCA Countries List (3) Bruce Portzer. (11/18 – 56/10)
L-057 The 2019 IRCA Countries List (3) Bruce Portzer (12/19 – 57/14)
L-058 The 2020 IRCA Countries List (3) Bruce Portzer (12/20 – 58/14)
L-059 The 2021 IRCA Countries List (4) Bruce Portzer (11/20 59/12) (NEW)

MODIFICATION

M-001 The Curse of the Superheterodyne, and How to Hex It (4) Joe Worcester. Describes some advantages and disadvantages of the superheterodyne receiver. Then, suggests a modified TRF circuit as a possible solution. 03/71
M-002 Putting a Recording Outlet on Your Receiver (1) Grant Manning. Describes how and where to attach a recording jack which bypasses the volume control of a receiver.
M-003 The Worcester Long Distance M.W. Receiver (6) Joe Worcester. Technical description of a BCB receiver designed by Joe Worcester. The problems encountered when designing the receiver are covered in detail. 11/75
M-004 SPR-4 SSB Filter (1) Grant Manning. How to modify a Drake SPR-4 to use the 2.4 kHz sideband filters without turning on the BFO, and speed up the AGC response time. 05/74
M-005 Super Selectivity at a Super Price: The Q-Set (1) Grant Manning. Briefly describes a method to achieve good selectivity by using a lowrange wave that tunes to the IF frequency (455 kHz). 03/72
M-006 Intermediate Frequency Transformer Alignment (2) Jon Perkins. A step-by-step outline for aligning the IF stages of any receiver. 03/70
M-007 Selectivity (1) Phillip Sullivan. An introduction to the various methods of getting selectivity out of a receiver.
M-008 A Handy Little Gadget (1) Tim O'Hare. Describes a switching arrangement for receivers and antennas. Includes an antenna tuner as well. 02/76
M-009 R-390A/URR Optimization and Alignment Check (2) Charles Taylor. Explains how to align the RF and IF stages of an R-390A. 05/81
M-010 Modifying the Realistic TRF (6) Gerry Thomas/Mark Connelly. Very detailed and specific instructions for aligning, improving the readout (to 10 kHz), better selectivity, adding antenna connections and installing a S-meter in the TRF. 10/80
M-011 An Audio Switching Unit (1) Nick Hall-Patch. Explains how to connect two receivers to a tape recorder in order to listen to either or both. 10/80
M-012 Tape Interconnection, The Right Way/An Attenuator Patch Cord for Taping DX (1) Don Davis/Gerry Thomas. Install an input jack in a receiver to make use of its audio stage for playback. Construction of a patch cord for running radio outputs into the microphone input of a tape recorder. 02/78
M-013 Direct Digital Readout (1) Grant Manning. Discusses digital readouts and some of the problems that are encountered when designing or using one. 08/78
M-014 Mobilizing the SPR-4 Receiver (1) Charles Taylor. Addresses problems associated with mobile operation of the SPR-4. Formulates solutions to antenna and power supply problems, and describes the construction of an antenna tuner. 08/78
M-015  WWV Converter/100 kHz Crystal Calibrator  (1) Brian Sherwood. Circuit enables a TRF to tune into WWV. Crystal calibrator for BCB to 6 MHz with 100 kHz markers. 12/78

M-016  Upgrading the Realistic DX-150/160 Receivers  (1) Nick Hall-Patch/Ralph Sanserino. Coupling to the internal BCB loop, cures for overload problems and selectivity improvements are discussed. See M028. 10/80

M-017  Synthesizing a 390A AM Detectors  (2) Nick Hall-Patch. Discussion of AM detection and the use of a phase-locked loop to improve reception of weak BCB signals. Includes schematics for several applications. 02/83

M-018  FRG-7 Mods  (2) Brian Aase/Ralph Sanserino. Describes modifications to the FRG-7 which improve the S-meter, selectivity, AVCA and parallel. 10/80

M-019  An Outboard Ferrite Loop for the Superadio  (1) Gerry Thomas. Describes a method for mounting a Radio West "Shotgun" ferrite antenna on a Superadio. 10/80


M-021  More Thoughts on Tape Recording from the TRF and other Portable Radios  (2) Mark Connelly. Updates and expands on thoughts in the Traveling DXer article (G027). Several methods are discussed, with diagrams. 12/80

M-022  Aligning the Superadio  (1) Gerry Thomas. Diagrams and text on how to take apart and align the RF, IF and oscillator sections of a GE Superadio. 01/81

M-023  R-390A/URR Vacuum-Tube to Solid State Power Supply Conversion  (3) Charles Taylor. Complete concise description for converting an R-390A power supply to its solid-state equivalent. Many good diagrams. 02/81

M-024  Crude-Bathbrush 26... A Homebrew MW DX Receiver  (3) Nick Hall-Patch. Yes... a solid state homebrew receiver that really works. Design, check out problems and discussed as the author builds his own. Complete schematic included. 03/81

M-025  A Homebrew Tube BCB Receiver  (1) Mike Bittner. Author designed and built a receiver using 1 to 3 volt tubes and parts from junk radios. Includes a block diagram. 03/81

M-026  Antenna/Headphone Switching Units  (1) Derek Claridge/Mike Worst/Nick Hall-Park. Outlines several methods for switching audio and antennas between multiple receivers and headphones. 05/81

M-027  Using Ni-Cad Batteries with the TRF  (1) Don Moman. Describes how to connect Ni-Cads in a TRF so they will charge when operating from AC. 05/81

M-028  Another Look at Upgrading the Realistic DX-150/160 Receivers  (2) Karl Zuk. Expands on the modifications discussed in M016 for antenna coupling, RF gain, selectivity improvement (ceramic filter) and front end diode replacement. Drawings present the details of implementation. 11/81

M-029  Upgrading a Car Radio/Simple SP-600 Modifications  (1) Karl Zuk/Glenn Kippel. Describes a "tweaking" technique for stock Delco car radios which improves selectivity. An affordable noise limiter modification and a technique for broadening the crystal filter on a SP-600. 01/82

M-030  A Crystal Calibrator  (1) Bruce Porter. Circuit and description for a 100 kHz crystal calibrator, with a modification for 25 kHz markers. 01/82

M-031  Digital TRF Readout: The Easy Way  (2) Bill Block/Frank Aden/Nick Hall-Patch. Detailed description of the installation of a PCIM 177 Digital frequency readout in a TRF. 05/82

M-032  R-390A 3TF7 Ballast Tube Replacement  (1) Steve Bohac and others. Several proven techniques for replacing this hard to find regulator tube. 11/82

M-033  ICF-6500W Selectivity Modification  (2) Gerry Thomas/Dennis Kibbe. Complete details and step-by-step construction for installing a narrow IF ceramic filter. Steps for improving the audio are also included. 02/83 and 11/84

M-034  Plessy SL 6700 IF/Detector IC  (2) Dallas Lankford. Description of the IC, schematic to modify the receiver IF amp/detector and an evaluation of the circuit. 04/83

M-035  R-390A on Longwave Reception  (1) Chuck Healy. Author describes an easy way to use the R-390A for Longwave reception. A LW preselector circuit is included. 09/83

M-036  A LED S-Meter for the TRF 12-656  (1) Derek Claridge. Article describes how a row of LED's can be used to indicate signal strength on a TRF. 08/83

M-037  ICOM R-70 Modifications  (1) Don Moman. Allows the SSB Pass Band Tuning filter to be used in place of the 6 kHz AM filter and allow preamp to operate below 1600 kHz. 08/83

M-038  Torrestronics TK-1 Digital Display Kit  (1) Randy Toner. Review of kit. Describes how to use the counter on an HQ-180. 08/83

M-039  Measuring and Maxing Your Own Simple MW Receiver  (2) Nick Hall-Patch. An experienced experimenter designs the circuit of a new receiver. The design of each stage is discussed, including pros and cons from the MW DXers point of view. 09/83

M-040  Two Sony Modifications  (1) Dennis Kibbe. Describes a technique for improving the selectivity of the 7600A by adding a crystal filter. 12/83

M-041  ICOM R-70 Mods  (3) Laurens Engel. Describes a number of improvements to the receiver. 09/85

M-042  Schotky Diode Detectors  (1) Nick Hall-Patch. Discusses the use of Schotky diodes in the detector stage of AM receivers. 01/87

M-043  ESKAB PLAM Option for the ICOM R-71  (1) Don Moman. Discusses a commercially available detector stage for the R-71. 01/87

M-044  ICOM R-71 Mods. Tricks and Tips  (1) Guy Atkins. Describes some simple modifications and operating techniques for the R-71. 11/87

M-045  Kenwood R-5000 Modifications  (1) Don Moman. Several simple modifications to the receiver. 12/87

M-046  Replacing the R-70's PBT Filter  (2) Gerry Thomas. Describes how to replace the ceramic filter in the R-70/71 passband tuner circuit to improve selectivity. 03/89

M-047  150 + Collins F455/F404 Mechanical Filter Mod + Super '180  (3) Dallas Lankford. Installation of a Collins FA series mechanical filter in a HQ-180A. '82

M-048  A Simple Static Protection Device for Shortwave Radios  (1) Shawn Axelrod. Protect the front end of your radio with this easy to construct device. 02/88

M-049  Adjustable Noise Blanker for R70  (1) Guy Atkins. A quick and simple modification that allows adjustment of the threshold of the R-70's noise blanker using the Monitor knob. 02/88

M-050  The Line-Cord Choke: Another Weapon Against Line Noise  (1) Chuck Bolland. Choke construction on the line cord of an R-71 is described. Includes some discussion on line noise. 03/88

M-051  Ballast Tubes for the R-390A  (1). Short discussion of direct replacements for the 3TF7 tubes in an R-390A. Includes ratings for each type. 01/89

M-052  HQ-180 AGC Mod  (1) Dallas Lankford. Description and schematic to modify the AGC timing of the HQ-180 for better MW reception. 06/90

M-053  51J-4 Product Detector Mod  (3) Dallas Lankford. Converting the BFO circuit into a Product Detector is described. Complete detailed instructions are included. 07/90

M-054  51J/B-338 Band 1 Mod and AGC Mod  (1) Dallas Lankford. Improvement of Band 1 (BCB) sensitivity is addressed, as well as a simple modification to improve AGC on AM. 07/90

M-055  Collins F455D Mechanical Filter Mod for the Hammarlund HQ-180(A)  (1) Dallas Lankford. Installation of a Collins FD series mechanical filter in a HQ-180A. '82

M-056  A Simple Static Protection Device for Shortwave Radios  (1) Shawn Axelrod. Protect the front end of your radio with this easy to construct device. 02/88

M-057  The Line Cord Choke: Another Weapon Against Line Noise  (1) Chuck Bolland. Choke construction on the line cord of an R-71 is described. Includes some discussion on line noise. 03/88

M-058  R-390A Audio Output Impedance Matching  (2) Dallas Lankford. Solution for matching the 600 ohm output of an R-390A to an 8 ohm speaker. 11/90

M-059  DX-440 – Sangean ATS 803A & Others BCB Improvement  (1) Ralph Sanserino. Complete description of the addition of an external ferrite bar antenna to these receivers. 12/90

M-060  GE Superadio I & II Plug-In Loop Modification  (2) Ralph Sanserino. Complete description of the addition of an external ferrite bar antenna to the Superadio. 12/90

M-061  51J-4 Fast Attack – Slow Release AGC Mod  (2) Dallas Lankford. Details on the modification of a Collins 51J-4 AGC circuit to improve performance. '90

M-062  "The Bargain Basement"  (1) Leonard Hyde. Author describes several QF-1 modifications to add a pilot light, straight through, RF preamplifier and lowpass filter that are detailed with schematics and layout information. 12/91

M-063  Sony ICF-2010 FET Replacement Instructions  (1) Don Moman. Complete instructions for replacing a static damaged AM RF amp Q303 with a 2SK152 FET. 06/92

M-064  Putting Your DX-440 Back on track  (1) Leonard Hyde. Instructions for aligning the frequency readout accuracy of a DX-440 plus a couple of observations. 01/92

M-065  The Bargain Basement – Part 2  (2) Leonard Hyde. A few quick ideas: 12 Vdc operation of Autek QF-1 and DX-440, rotating large loops, shielding loops and using twin lead wire for loop construction. 06/92

M-066  NRD-525 AGC Mod  (3) Dallas Lankford. AGC mod for the NRD-525 that will correct distorted audio problems and reduce static crash and noise pulse hanging. 10/92
M-066 Elimination of Display Noise in the DX-440 (1) Leonard Hyde. Installing a shield inside the radio to eliminate display noise. 11/92
M-067 A Passive Audio Filter For Use With a Speaker (2) Al Koppel. A low pass filter (below 3000 Hz) for the NRD-525, or any other speaker system. 12/92
M-068 Drake R8: Encoder Shaft "Static" Elimination (1) Dallas Lankford. Correction of the encoder static problem by correcting grounding of the encoder. 09/93
M-069 Drake R8: Increased Dynamic Range (3) Dallas Lankford. Discussion of 3rd order intermodulation distortion in the R8 and its correction. 09/93
M-070 NRD-525: Filter Leakage (4) Dallas Lankford. Discussion and correction of leakage around the IFER filter. 09/93
M-071 Drake R8: Low Headphone Volume and Broken Feet (1) Dallas Lankford. Modifying the R8 headphone circuit to handle 8 ohm headphones. Adding strength to the feet to prevent cracking. 09/93
M-072 R-390A Won't Turn Off (again) (2) Dallas Lankford. Worn microswitch keeps dial lights on with power otherwise off. Detailed instructions for removing and reworking the switch. 01/94
M-074 Drake R8: Type B Spurs Elimination (2) Dallas Lankford. Techniques for the negation of hots and noise generated by the AM synchronous detector. 02/94
M-075 Drake R8: Increased Dynamic Range, Mod 2 (5) Dallas Lankford. Several ideas for increasing the dynamic range and image rejection of the Drake R8. 07/94
M-076 R-390A Filter Mod 2 (6) Dallas Lankford. Replacement of the R-390A's 16 kHz mechanical filter with a 3 kHz ceramic filter. 01/95
M-077 Drake R8: More on Improved Image Rejection (3) Dallas Lankford. Additional suggestions for improved image rejection. 01/95
M-078 RA6790GM (R-2174(P)/URR) Noise Blanker (4) Dallas Lankford. Discussion and schematic for using the Allegro ULN3846A noise blanker IC (the one in a Drake R8) for other receivers. 03/95
M-079 Ultralinear 2N5109 and 2N5053 Amplifiers (10) Dallas Lankford. Utilizing these bi-polar transistors to design amplifiers with extremely low 2nd and 3rd order intermodulation distortion, and thus better strong signal handling. 03/95
M-080 A home-built double-superhet LW/MW receiver with sync AM-detection (6) Ad Dieleman. Description of a high quality homewrever receiver with block diagrams and design details of each stage of the receiver, particularly of the synchronous AM demodulator. 10/01
M-081 CCRadio Tune-Up / Display Fix (4) Gerry Thomas. Description of the RF/IF alignment procedure for this portable radio, as well as a cure for an erratic display. 11/01
M-082 Review of Kiwa's 3.7 kHz Filter for the CC Radio (1) Harry Helms. Kiwa's switchable IF filter for the CC Radio is evaluated. 11/01
M-083 Supercharging the ICF-2010: A 19.5" Loopstick Transplant (2) Gary DeBock. Construction details for a large external ferrite loop for the ICF-2010, plus comparisons with a Quantum Loop/2010 combo, and with an enhanced SRF-39 "ultralight" portable. (06/08 – 45/28)
M-084 Transforming the E100, Three Easy Steps to Hitting Ultrafast Home Runs (2) Gary DeBock/Guy Atkins/John H Bryant. Adding an external sliding coil ferrite loop antenna to the E100 for greatly enhanced sensitivity (10/08 – 46/06)
M-085 A High Performance Filter for the E100 (1) Gary DeBock/Guy Atkins/John H Bryant. Adding a Murata ceramic IF filter to enhance the E100 selectivity. (10/08 – 46/07)
M-086 Connecting Outside Antennas to the E100 (1) Gary DeBock/Guy Atkins/John H Bryant. Coupling an external antenna to the Eton E100's internal ferrite loop via a small connector. (11/08 – 46/08)
M-087 More on Connecting Outside Antennas to the e100, The Slider as a Varicoupler (2) John H Bryant. Using the sliding coil ferrite loop in reprint M-084 as a coupler for external antennas. (12/08 – 46/13)

RECEIVERS

R-001 Sony TR-1300/Heath CR-78/Panasonic RF-759 AM-FM Portable (1) Ron Schatz/George Sherman. Three receiver reviews. 12/71 and 07/72
R-003 Hammarlund HQ-200 (1) Tom Garcia. Review. 09/73
R-004 National HRO-500 (1) Paul Dalplyn. Review. 12/73
R-005 Drake SPR-4 (2) Robert Fischer. Detailed review. Includes selectivity curves. 11/72
R-006 Barlow-Wadley XCR-30 (3) Mike Hardeste/Charlie Keleher/John H Bryant. Reviews and notes on modification. 07/75
R-008 National NC-2300/SONY CRF-230/Multiband Portables (1) Bruce Portzer/Grant Manning. Two reviews and some general comments on multiband portables. 03/72
R-009 Not too Technical Report on some Sony Products/The "ARB" for CB (1) Tom Garcia/Grant Manning. Short reviews on Sony-230, TR-1000, IC-200 and TC-110, and notes on using and modifying an "ARB" for use on CB. 01/71
R-013 Car Radios for DXing (2) Tom Garcia/Bill Liptis/Grant Manning. Three short reviews on how to use and modify car radios for DXing. 71
R-015 Collins R-392 (1) Ralph Sansenino/Phil Bytheway. Reviews. 10/80
R-016 Drake SSR-1/Autek OR-1 (1) Grant Manning. Reviews. 11/75
R-017 Yaesu FRG-7 (2) Bruce Portzer. Review. 09/77
R-018 Collins R-390A URR (6) Charles Taylor. Complete and detailed review. 07/79
R-019 Sony TR-6500 vs Realistic TRF (2) Gerry Thom as/Charlie Barfield. Hands-on comparison of the DX capabilities of two fairly inexpensive radios. 04/78
R-020 Panasonic RF-4800 (1) Grant Manning. Review. 04/78
R-021 GE Superadio (2) Gerry Thomas/Charlie Barfield/Ed Satterthwaite/Albert Lobel. Reviews. 10/80 thru 01/82
R-024 Yaesu FRG-7000/Kenwood R-1000 (1). FRG-7000 review is short, R-1000 is longer. 10/80
R-025 Modified FRG-7/FRG-7000 and FRG-7700/McKay Dymek DR-33C (1). Reviews. 02/83
R-026 Hammarlund HQ-180/SP-600 (1) Bruce Portzer/Phil Bytheway. Reviews. 10/80
R-027 Radio West Modified SPR-4 (1) Randy Tomer. Discusses the improvement in SPR-4 performance due to Radio West's selectivity and AGC time constant modifications. See M4 for technical details of the modifications. 12/80
R-028 Sony ICF-SSW (7) Gary Thomas/Armand DiFilippo/Mark Connelly/Bruce Portzer. Several detailed reviews and comparisons with Realistic TRFs and GE Superadios. 03/81
R-029 TRF Models 12-656 (1) Gerry Thomas. Side-by-side comparison of the Realistic TRF models 12-655 and 12-656. 01/81
R-030 Sony ICF-2001 (2) Pete Taylor/Don Moman. Reviews. 03/81 and 10/81
R-031 Drake R-7 (3) Don Moman/Chuck Hutton/Craig Healy. Reviews. 03/81 and 01/83
R-032 A Comparison of Tube and Transistorized Receivers (1) Bruce Portzer. Discusses the differences between tube radios and the newer solid-state sets. 10/80
R-033 Subjective Evaluation of FRG-7 vs FRG-7 (1) Louis Goldstein. A look at how the FRG-7 evolved over the years. 05/81
R-034 The Realistic 12-1738/Ground/Auto Super Weltkland 3010A/Sony ICF-D11W/Realistic "Timekube" (1) Randy Tomer/Paul Swearingen. Reviews. 01/82 and 03/82
R-035 Comparing the DX-160 and the GE Superadio (1) Karl Zuk. Compares a modified DX-160 (antenna and filter/transistor mods) to a stock Superadio. 03/82
R-036 The Panasonic RF-3100 (1) Don Moman. Review. 07/82
R-037 The Yaesu FRG-7000 (1) Don Moman. Review. 07/82
R-038 Kenwood R-600 (1) Tim O'Hare/Bruce Portzer/Randy Tomer. Reviews. 09/82 and 11/82
R-039 Realistic 12-655/Radio Shack Patrolman SW 60 (1) Nick Hall-Patch/Peter V Taylor. Reviews. 09/82 and 02/84
R-040 Potomac Instruments SMR-11/Kenwood TS-430 Transceiver (1) Karl Zuk/Don Moman. Review of a hi-fidelity CB receiver with features that might interest a DXer and a review of a Ham transceiver with a general coverage receiver. 10/82 and 01/84
R-041 Panasonic RF-6300/RF-901 (1) Don Moman/Randy Tomer. Reviews. 11/82
The Sony ICF-6500W – The Perfect Portable

(2) Gerry Thomas. Review. 02/83

ICOM R-70 (1) Don Moman. Review. 02/83

Kenwood R-2000 (1) Don Moman. Review. 12/83

GE Superadio – Cassette #3-52808 (1) Michael A Sapp. Review. 04/83

Sony ICF-2002 (7600D) (1) Dennis Kibbe. Review and first impressions. 12/83

Receiver Review, Sony SRF-A100 (2) Greg Monti. Review of this AM stereo receiver. 04/84

The Four AM Stereo Systems and the Sony SRF-A100 Receiver (2) Karl Zuk. The A100 is discussed along with the characteristics of different AM stereo systems. 05/84

Receiver of the Sansui CX-990 Stereo AM-FM Car Radio (1) Steve Mittman. Review. 10/84

Uniden CR-2021 vs the Sony ICF-6500W (2) Gerry Thomas. Review of the CR-2021 and comparison with the ICF-7600W. 11/84

ICOM R-71A (2) Don Moman. Review. 11/84

Two Easy-to-Build AM Radio Kits (2) Karl Zuk. Reviews of the Radio Shack 28-4029 and Heathkit GR-1009 AM radio kits. 03/86

Kenwood R-5200 (3) Don Moman/Nick Hall-Plate. Review. 02/87

Sangean ATS-909 (1) Karl Zuk/Doug Pifer. Reviews. 08/86

A Comparison of Five Receivers (1) Glen Kippel. Compares the SP-600, HQ-180, R-388, RAX-1 and GE Superadio. 12/86

Sony 2010 (2) Don Moman. Review. 03/01

ICF-7600D Review (1) Phil Bythewood. Review. 02/88

The NRD-525 Versus the R-5300 (4) Dave Newkirk. In depth discussion of both receivers and a very detailed comparison. 03/88

A Tube AM Superhet Radio Kit (1) Gary Heisey. Discussion of a 1950's style AM tube radio construction kit. Also includes some tips on performance improvement. 04/88

Sony SRF-M40W (2) Rich Toeb. Review of this digital walkman. 09/88

Three New Receivers (2) Bruce Portzer. Reviews of the GE 7-1900C, Kenwood RZ-1 and Sony SW1S small general coverage receivers. 12/88

The RACAL RA-17 (2) Bruce Portzer. Review. 01/89

The Drake R8 (3) Richard Eckman. Specifications, two reviews and a comparison to the R-390A. 06/91

Realistic DX-440 vs Sony ICF-2010 (A Medium-Wave DX Evaluation) (2) Mark Connelly. Sensitivity, selectivity, dynamic range, features, price and value are discussed. 01/92

True Confessions of a "Bargain Basement" DXer (2) Leonard Hyde. Leonard describes his experiences with using car radios for AM DX. 01/92

Drake R8: A Second and Third Look (8) Dallas Lankford. Additional details about R8 performance not covered in R064. 10/92, 12/92

ICOM R-72 (2) Don Moman. Review. 11/92

Realistic DX-390 – A "Quickie" Evaluation (1) Leonard Hyde. Review. 11/92

The ICOM R-9000 (2) Don Moman. Review. 12/92

The Superadio III (2) Gerry Thomas. Review. 01/93

Use of Auto Radios for DXing (1) Leonard Hyde. Brief history of car radios and the author's favorite sets for DXing. 01/93

A Technical Review (5) Dallas Lankford. Very detailed technically oriented review. 02/93

The Collins R32/RUR: Another Look (1) Leonard Hyde. Review. 02/93

The Chrysler Digital Auto Radio for DXing (1) Leonard Hyde. Low noise car radio and its use are described. 12/93

Receiver Showdown – A Comparison of Five Top RXs from a MW DXer's Perspective (3) Gerry Thomas. Head to head comparison of the ICOM R-9000, ICOM R-71A, JRC NRD-5535, Drake R8 and Collins R-390A receivers. Sensitivity, selectivity, dynamic range, ergonomics, audio quality and ECSS are covered. 12/93

The Lowe HF-225 Receiver (1) Don Moman. Review. 02/94


Sony SRF-42 AM Stereo Walkman (1) Frank Aden. Review of this portable AM stereo radio. 09/94

Some Thoughts on the Yaesu FRG-100 (2) Randy Stewart/Don Moman. Detailed reviews. 09/94

The Zenith Trans-Oceanic: The Royalty of Radios (1) Nick Hall-Plate. Review of the book by John H Bryant and Harold N Cones which covers the complete history of the Zenith Trans-Oceanic radio series. 06/95

A Custom MW DX Receiver (5) Ray Moore. Description of Ray's "ultimate receiver" design and its use. Includes a block diagram. 05/96

AOR AR7030 (2) Guy Atkins. A top notch review.

Battle of the "Super" Radios (6) Gerry Thomas. A detailed evaluation of the GE Superradios I, II and III, as well as the Radio Shack Optimus 12-603. 06/99

A Comparison of Five Top RXs from a MW DXer's Perspective (3) Gerry Thomas. Head to head comparison of the ICOM R-9000, ICOM R-71A, JRC NRD-5535, Drake R8 and Collins R-390A receivers. Sensitivity, selectivity, dynamic range, ergonomics, audio quality and ECSS are covered. 12/93

The JRC NRD-5535 as a Medium Wave Receiver (4) Nick Hall-Plate. Compares various parameters of this radio with a homebrew receiver, as well as with a SONY ICF-2010. 06/97


CRRadio Reviews (5) Steve Hawkins/Gerry Thomas/Keven Redding. Three reviews of the AM DX portable from CCRane. Thomas's review compares it with the GE Superradios II and III, as well as with more expensive portables. 11/99 and 05/01

The Palstar General Coverage Receiver (4) Gerry Thomas. Detailed review of the R30 receiver, comparing it with the Drake R8 and JRC NRD-535D. 06/00

The Grundig Yacht Boy YB 400PE as a Medium Wave Receiver (3) Nick Hall-Plate. An evaluation of this portable side by side with a Sony ICF-2010. 03/01

Radio Shack's Current DX Portables: Performance from a BCB DX Perspective (5) Gerry Thomas. The Radio Shack DX-398, DX-402 and DX-396 are compared with the CCRadio, ICF-2010 and ICF-7600G. 11/01

Best DX Radios (2) Gerry Thomas. A collection of reviews of thirteen desktop and twelve portable radios from a medium wave DXers standpoint, along with ranking of DX capability. 12/92

The Ten-Tec RX-320 as a mw receiver (2) Nick Hall-Plate. A review of this computer controlled receiver, from a MW DXers standpoint. 03/02

Impressions of the Drake R-88 (2) Rick Kenneally. Comparing the R-88 with the Sony ICF-2010 and Hammarlund HQ-180. 03/02

Sangean ATS-909 (2) Rich Toeb. Review and Photos, comparing the ATS-909 on AM and FM versus the Sony ICF-2010 and GE Superadio III. 06/02

The ICOM R-2015 Receiver for MW DXing (2) Nick Hall-Plate. Review comparing the RC-757 with the Drake R8 and AOR-AR-7030 on MW and tropical bands. 12/06, 14/11, 12/12

TenTeck RX340 vs AOR ART-030, RAL1A772 and ICOM IC-R75 (3) Jan Alvestad. A detailed comparison of five receivers with an emphasis on strong signal handling capability (07/04 – 41/29)

Grundig Ocean Boy 70 A Multiband Receiver with Style (3) Rich Toeb. Details using this receiver in Europe and in the USA where it was also compared with a Grundig YB-305 (02/05 – 42/21)

Software Defined Radio (5) Jack Weber. The basics of software-defined radio are examined as well as some of the advantages and disadvantages of this approach to DX listening. (12/06 – 44/14, 44/15

The Sony ICF-EX5 Portable Receiver on Medium Wave (2) Gary DeBock. A comparison with the Sony ICF-SSW, ICF-2010, and ICF-SW7600GR models (05/07 – 44/27)

The Kaito KA1103 as a MW portable (2) Nick Hall-Plate. Comparing this inexpensive portable with the Sony ICF-2010. (06/07 – 44/28)

AM DX Portables – How They Stack Up – The Radio Shack DX-398, 12-150, and Realistic DX-400 (2) Scott A Mcarde. (07/07 – 44/29)

The Eton E1 as a Medium Wave Receiver (2) Nick Hall-Plate. Compares the E1 with the Sony ICF-2010 and Drake R8. (10/07 – 45/05)
T-046  On Reflection and Refraction (2) Randy Seaver. Do radio waves reflect or refract from the ionosphere? Both philosophies are discussed and conclusions are drawn. 01/79

T-047  A Method of Finding the Distance Between Two Places on Earth (2) Father Jack Pejza. With these two charts, distance can be determined to within 50 miles. 02/79

T-048  Terrain Charts for Propagation Predictions (1) Mark Connelly. Discusses how variations in the conductivity of local terrain can effect reception in certain directions. Includes chart for Billericia MA. 08/80

T-049  What to Look for when Buying a Receiver (2) Nick Hall-Patch. Talks about points to be considered before selecting a receiver. Sensitivity, selectivity, strong signal handling, readout, etc are covered. (DXer's Technical Guide)

T-050  Strong Signal Handling (2) Chuck Hutton. Discussion about strong signal handling in a receiver, and what can be done to improve it. 10/80

T-051  Audio Filters (3) Bruce Portzer/Sheldon Remington/Nick Hall-Patch. Includes introduction, reviews of Autek QF-1, MFJ SBF-2BX, SL-55, MFJ-752, Mizuho AP-M1, Laboelectron SF-0330, Datong FL-2 and Hidrelh Engineering “CommAudio Processor” filters, and some schematics for “build-your-own” filters. 02/83

T-052  Gilfer GAR-7, KRS DD-2, KRS DD-14D (1) Gerry Thomas/Nick Hall-Patch. Reviews of these commercial digital readouts for radios with Wadley Loops and 455 kHz IF. 02/83

T-053  More Great Circle Calculations (1) Richard Cory. Simple equations and a Basic program for a HP-25, 11/80

T-054  Seasonal Variation in Medium Wave Reception (2) Bruce Portzer. Author has organized information from several IRCA Foreign Logs and graphed the number of loggings vs month of the year for TP, TA, LA and DU originating signal paths. 01/81

T-055  Diurnal Field Strength Calculations (1) FCC. FCC method for calculating interference during sunrise and sunset skip. 2 charts and outline for use. 10/82

T-056  Great Circle DX Program (3) Mark Connelly. HP BASIC program to calculate Great Circle bearing and distance. The location of many US and world cities is included. 03/83

T-057  Medium Wave Oblique Propagation – Another View (7) Randy Seaver. Presentation of the author's theory on propagation, and comparison to other theories. See T058. 06/84

T-058  On Theories, Extraordinary Waves and Elevation Angles in Medium Wave Propagation (5) Randy Seaver. Further discussion of the basis of the theory outlined in T057. 11/84

T-059  Noise and Signal Levels on the BCB (5) Marc Bergman. Actual measurements of radio signals and noise levels in southern California, and comparisons with published performance of several receivers. 10/85

T-060  Ceramic Filters (5) Marc Bergman. Discusses the performance of several commercially available filters. Includes lab measurements of their performance. 11/85

T-061  A Survey of Available Medium Wave Field Strength Prediction Methods (5) Randy Seaver. Describes several methods of calculating signal strength of medium wave skywave signals, and compares the results with actual measured values. 12/85

T-062  Sea Gain (10) Randy Seaver. Explains why transoceanic signals are heard exceptionally well near the coast. 01/87

T-063  Medium Wave – A Practical Approach (11) Graham Maynard. Describes the author’s receiving setup, including antenna and groundung system, receiver modification and equipment interconnections (originally from Medium Wave News).

T-064  Relationships Between Solar Activity, the Earth’s Magnetic Field, and Medium Wave DXing (8) Randy Seaver. Discusses the factors affecting medium wave propagation and presents a statistical analysis of solar and ionospheric data from 1956 to 1986. 10/81/87

T-065  Computer-aided Tuner Design (8) Mark Connelly. Describes a computer program for designing antenna tuners. 02/85

T-066  Q Demystified (8) Mark Connelly. Explains what “Q” is and presents a computer program for simulating tuned circuits. 01/2/85

T-067  Suppliers of Radio Tubes (1) Nick Hall-Patch. List of mail order sources of tubes for older radios. 03/85

T-068  Surplus Mechanical Filters (3) Marc Bergman. Describes the performance of several commercially available mechanical filters for IF stages in receivers. 03/85

T-074  Atmospheric Effects on Medium Wave Radio Reception (1) Leonard Hyde. Brief discussion of four atmospheric conditions which seem to affect medium wave reception. 12/93

T-076  The Timewave DSP-59 Audio Filter (5) Nick Hall-Patch. Review of this digital audio filter and comparison with standard analog audio filters. 09/94

T-077  Radio Shack Digital Signal Processor (1) Don Moman. Review of the DSP-40. 11/84

T-078  Digital Receivers Bring DSP to Radio Frequencies (6) Roger H Hosking. Description and comparison of traditional Analog receivers and a receiver using Digital Signal Processing. 12/95

T-079  A Precision Frequency Measurement System (4) Albert Lehr. A description, with block diagram, of an Allied A-2515 receiver modified to enable the DXer to measure the frequency of a received signal with a precision of down to 0.001 Hertz. 1/99

T-080  Signal Strength Recording as an Aid to Propagation Studies (8) Nick Hall-Patch. Using a computer controlled receiver to automatically monitor and record signal strengths allowed the author to hypothesize about the causes of sunrise enhancement of trans-Pacific radio stations. 10/99

T-081  MW Tuning (2) Mark Huttam. Describes his use of the free Spectrum Lab audio analysis software to differentiate between different radio station carriers on a given frequency. By recording those carriers over time, possible reception of stations is indicated that otherwise could not be identified by audio monitoring. 10/02

T-082  dxRadar: using a PC for TA DX (3) Christoph Mayer. The author created a Linux computer program to control his AR7030, scan TA channels for DX while tuning a loop antenna, record evidence of a number of signals on the same channel with 1 Hertz resolution, and record the audio from the strongest TA automatically. 11/02

T-083  Emerging Techniques of High-Tech DXPeditioning (12) Guy Atkins/John H Bryant/Nick Hall-Patch/Nelson. Describes the use of the portable computer to not only provide software aids to DXing such as sunrise/sunset, station databases and logging programs, but also to control receivers, record the audio from them, and propagate openings via automatically tuned receivers. 01/03

T-084  Using the ICOM IC-PCR100 PC controlled receiver for medium wave reception (3) Nick Hall-Patch. A medium-wave DXer reviews of ICOM’s entry in the “black box” computer controlled receiver stakes. 04/03

T-085  Using a PC sound card for SSB/CW/AM demodulation (1) Nick Hall-Patch/Vittorio De Tomasi. Describes how to tap the IF signal from a receiver, convert it to a audio range, and demodulate it using a PC sound card and “IFDSW” freeware. 04/03

T-086  Phase Noise in Communications Receivers (2) Steve Ratzlaff. A description of receiver phase noise, why it is a problem, how it can be measured, and some examples of measurements made by the author. 10/98

T-087  Using a PC as a Communications Receiver for Advanced DXing (3) Nick Hall-Patch. Describes the use of the Dynemk DR-333 “black box” communications receiver as a propagation monitor, using the author’s software to record ongoing signal strengths of selected overseas stations.

T-088  DX Atlas (1) Nick Hall-Patch. A program which provides several easily varied graphical displays of the world, allowing a DXer to easily plot signal paths, sunrise/sunset times, as well as ionospheric conditions at time of reception (09/05 – 43/02)

T-089  Don’t forget your best hot locator, the sound card (1) Don Moman. Using a simple audio spectral display program to view and analyze carriers of AM radio stations, many more than the ones delivering readable audio (01/6 – 43/15)

T-090  Preparing a PC for an AM Carrier Measurement for the Con Freemen Man (2) Nick Hall-Patch. Using the system described in T-089, it is possible to inexpensively derive exact carrier frequencies of AM radio stations. (11/06 – 44/11)

T-091  International MW DXing – The Alberta Perspective (2) Nigel Pimbrett. An experienced Alberta DXer describes approaches to receiving stations from Asia, Oceania and Europe from his part of the world (05/07 – 44/27)

T-092  2008 Cabin Fever MW DX Sprint (1) John Bryant and Gil Stacy. Describes a contest pitting DXers from Newfoundland to Hawaii against each other, using “ultralight” portables to hear the most DX. (03/08 – 45/24)

T-093  The DX Fishbarrel... where will you be next DX catch? (2) Nick Hall-Patch. A pair of programs plus an SDR deliver a frequently updated graphical display of signal strengths on 9kHz overseas DX channels. (05/08 – 45/27)

T-094  Signal strength advantage of the Rockwell 4 site (2.5) Nick Hall-Patch. Reception from the well-known cliff-side site on the Oregon coast compared with an ocean-side site a few miles away, using identical receivers and antennas. (10/16 – 54/06)
T-095 Ideas on construction of a termination/reverser device for Flag antennas. Developments. (3.2) Mark Durenberger. Further developments in reversing remote terminations and feeds when using uni-directional loop antennas such as the Flag. (based on the work done in from Reprint A-195) (12/16 – 54/15)

T-096 How a Beverage antenna can discover its inner feed line a work in progress (3.5) Nick Hall-Patch. Describes a method for hearing signals from the far end of a Beverage antenna, using a shielded twisted pair cable. (01/17 – 54/21)

T-097 How a Beverage antenna can discover its inner feed line – conclusion (4.5). Nick Hall-Patch. Extensive on-site tests on the system described in Reprint T-096 reveal that feed line losses may be a deal breaker for this idea. Leads to Reprint T-098. (08/17 – 55/01)

T-098 Category 5 (“CAT-5”) Data Cable as a Wave Antenna (3.5) Mark Durenberger/Mike Shafer/Nick Hall-Patch. Can 1000 feet of Cat-5 cable be used to create a bi-directional Beverage antenna with variable resistance terminations at both ends? Read this and find out. (09/17 – 55/04)

T-099 USB Sound Loop Amp Eliminates Pre-Processing for Software Defined Radio Applications (2.8) Bruce Conti. The USB connection from a computer to a software defined radio can introduce noise into the received signal. This article describes ways to block that noise. (06/18 – 55/34)

T-100 Supercharging the XHDATA D-808 – Installation of High Performance AM and LW Loopstics (9.5) Gary DeBock. A detailed construction project for increasing the signal pickup of this portable radio. (09/18 – 56/03)

T-101 THE KAZ COOKBOOK (15) Mark Durenberger. Reviews the basics of operation and construction of the DKAZ antenna, and compares its performance as construction parameters are varied, plus much else. (01/19 – 56/18)

T-102 Earscoming (3) Steve Whit. Can we find evidence of Australian DX by using Spectrum Lab software (see also T-081) (07/05 – 42/29)

T-103 Pre-Amp Peregirinations (2) John H. Bryant and Mark Connelly, WA1ON. Adventures with RF Pre-Amps by Advanced Receiver Research and DX Engineering (10/05 – 42/05)

T-104 Using Carrier Sliceth to Find the Fine Details of DX (9) Nick Hall-Patch. Evaluation of commercial software that takes SDR recorded files and displays waterfalls showing very high resolution of carrier frequencies, and can also be used to derive signal strengths vs. time of those carriers. (01/21 – 58/20)

T-105 Mark Connelly on Kiwi SDR Comparisons. (1) A look at Kiwi SDRs in the northeast USA for DX listening compared with a home listening post. (10/20 - 58/09)

T-106 Binocular Transformers (6) Dick van der Knaap. A very detailed study about the use of binocular ferrite cores for the medium and shortwave DXer, both as matching and isolation RF transformers, and as 2-way signal splitters (06/21 - 58/35)

T-107 On the Causes and Cures of Audio Distortion Due To Fading (8) Dallas Lankford. A mathematical and observational approach to understanding distortion that occurs when demodulating AM signals.

T-108 My Experiences With Some AM Synchronous Detectors (4) Dallas Lankford. An observational analysis of the audio outputs of various receivers that provide AM synchronous detection.

T-109 Using GPS in DXing (3) Jack Weber. Describes the use of a GPS Disciplined Oscillator to provide a frequency reference for DXers interested in measuring received carriers accurately. (8/14 90/01) (NEW)

T-110 Are Trans-Arctic Medium Wave Signal Paths Reciprocal? (10) Nick Hall-Patch with Barry Davies. Two DXers in western Canada and in Britain recorded trans-Arctic MW signals from their respective locations for several months in early 2021. This article describes the results and analyzes the signal propagation. (9/11 90/03) (NEW)

T-111 Elliptic Low Pass Audio Filters (7) Dallas Lankford. Describes the design and construction of analog audio filters tailored for the DXer. (NEW)

T-112 J2C Linear RF Pre-Amplifier (2) Dallas Lankford. This is the preamplifier circuit developed for use with antennas such as described in Reprint A-220, and commercialized for a time by Clifton Laboratories. (NEW)

T-113 Offsets on Medium Wave – some Notes and Examples (20) Nils Schiffhauer, DK8OK. A very detailed look at the actual observation of received carrier frequencies, with examples of transmitter introduced anomalies as well as distortion introduced by the vagaries of propagation. (NEW)

T-114 How to measure carrier offsets on Kiwi SDRs (4) Jeroen Bet. Many KiwiSDR online receivers are frequency locked to GPS. This article describes how to derive accurate carrier frequencies, to the sub-Hertz range, using these SDRs. (NEW)

ULTRALIGHT/FSL


U-002 Ultralight Radios on the March (2) John H. Bryant. The genesis of the founding of the “ultralight” portable radio group, setting up of categories, and establishing reception distance records. (01/18 – 45/18)

U-003 Ultralight DXing: More FUN than we have had in... (2) Rob Ross/John H Bryant. The story of one DXer’s quest to log 300 stations in one month on an SRF-59 “ultralight” portable. (02/08 – 45/21)


U-005 Super Antenna Makes Prison Radio the Ultimate Analog DX Bandit (2) Gary DeBock. Description of the first addition of an external ferrite rod antenna to the “ultralight” portable. (01/08 – 45/23)

U-006 Committee Announces New Ultralight MW DXing Awards Program (1) John H Bryant. (08/08 – 45/30)

U-007 2008 Ultralight AM Radio Summertime Shootout (3) Gary DeBock. Comparison of the Sony SRF-584 and SRF-M97 models, the Eton E100, and the Sony SRF-M37VW and Sangean DT-400W units (46/02 – 90/08)

U-008 E100 Four Variant Shootout (3) Gary DeBock. The Eton E100 modified with a Murata IF filter, one modified with a “slider” external loopstick, and another with both modifications are compared with a stock model. (11/08 – 46/12)

U-009 A New Slider Loopstick for the Sangean GT-200VX, A Revolutionary Sensitivity Boost for Another Ultralight Model (3) Gary DeBock. A detailed construction article, along with comparisons of the finished product with the E100 and the Sony ICF-200. (02/09 – 46/21)

U-010 Notes on Recording Audio from Ultralight Radios – Hand-Held Recorders, Automated Timed Recordings with Laptops (4) John H. Bryant. Live recording using various hand-held digital recorders, as well as laptop soundcard inputs (05/09 – 46/27)

U-011 A loopstick transplant for the Plan 300WWT (2) Gary DeBock. Results from modifying this digital “ultralight” portable, plus some comments on the radio’s quirks. (this is the same radio as the Grundig G8). (05/09 – 46/30)

U-012 2009 Ultralight Radio AM-DX Shootout (5) Gary DeBock. Comparing the Kaito WRX911 (aka Tecsun R911), the Tecsun R9012, the C Crane SWP (aka Redsun R3000), the Degon DE1123, the Tecsun PL-300WT (aka Grundig G8), the Kehibo D92L and the Kehibo D96L. (10/09 – 47/05 and 47/06)


U-014 Tecsun PL-380 DSP Receiver – the Ultimate Ultralight? – Four Band Performance Review of Tecsun’s Latest DSP-enhanced Pocket Radio (3) Gary DeBock. A thorough review including operational comparison with both the earlier PL-310 and the Kehibo D96L (01/10 – 47/16)

U-015 Supercharging the Tecsun PL-380 DSP Portable, A.75 ”Loopstick Transplant Optimized for Medium Wave (2) Gary DeBock. Construction details for Increasing the sensitivity of this radio. (01/10 – 47/17)

U-016 Adding a MW Antenna Port to Tecsun DSP Ultralights (2) John H Bryant. Adding a 1/8” jack and loopstick coupling winding to a portable radio in order to use an external antenna. See also Reprint A-178. (01/10 – 47/20).

U-017 7.5” Plug-in Loopsticks for the Tecsun PL-360 Model – A Unique Opportunity for Great Stand-Alone AM Sensitivity – With No Radio “Surgery” (2) Gary DeBock. Construction details for upgrading the sensitivity of this DXing portable without opening the case. (06/10 – 47/28)

U-018 KR1S Loop Hoop Ultralight Antenna (2) Jim Kearman/Steve Ratzlaff. Construction details and operational notes for creating a large rotating and tilting air core loop for “ultralight” portables using a wooden quilting hoop. (09/10 – 48/03)


U-020 Tecsun PL-606 AM-LW-FM-SW DSP Receiver – Breaking AM-DXing Capabilities in a Very Small Package (3) Gary DeBock. A more detailed look at this radio, including operational comparisons with the same company’s PL-310 and PL-380. (04/11 – 48/26)
X-003 Grayland 2004 Fall DXpedition (8) Chuck Hutton (11/04 – 42/08, 42/09 and 42/10)
X-005 DXpedition to Grayland and Cape Disappointment – 6/10–16/05 (6) John H Bryan. (07/05 – 42/29)
X-006 DXpedition to Ocean Station Papa 50N 145W (3) Loggings heard while working on an oceanographic research ship in the northeastern Pacific Ocean in June 2005. Nick Hall-Patch (07/05 – 42/29).
X-007 DXpedition to Tow Hill, Haida Gwaii – Queen Charlotte Islands BC (6) Walt Salamini. (07/05 – 42/30)
X-008 Grayland DXpedition – 9/10–11/05 and Guerilla DXpedition to Cape Lookout OR – 10/6–7/05 (4) John H Bryan. (10/05 – 42/05)
X-009 2005 Ultra-light DXpedition to Grayland (9), (11/05 – 43/08, 43/10, 43/12, 43/13 and 43/14)
X-010 Newfoundland DXpedition 15 – 11/4–14/05 (5) (02/06 – 43/22 and 43/24)
X-011 April 2006 Grayland DXpedition (3) Chuck Hutton. (04/06 – 43/26)
X-012 Comments and Loggings, Grayland DXpedition 2006.6 – 6–10/06 (3) John H Bryan. (07/06 – 43/29)
X-013 2006 Dr. Harold Beverage Birthday Celebration Party and Grayland DXpedition (6) Chuck Hutton. (11/06 – 44/08 and 44/09)
X-014 Springtime Grayland DXpedition to Grayland WA (14) (11/06 – 44/10 and 44/11)
X-015 LBI-5 DXpedition Report (2) Russ Edmunds. (01/07 – 44/16)
X-016 DXing at the Queen Charlottes (1) Walt Salamini. (03/07 – 44/23)
X-019 DXpedition to Haida Gwaii, Massett, Queen Charlotte Islands – 9/15–25/07 (11) Various. (10/07 – 45/06)
X-021 Craig Edwards, Nahunbuyu, Northern Territory (2). (12/07 – 45/15)
X-022 Long Beach Island NJ DXpedition 6 – 11/9–11/07 (2) (01/08 – 45/16)
X-023 Queen Charlotte Island DXpedition (2) Walter Salamini. (01/08 – 45/17)
X-024 Cappahaney, Newfoundland 2007 DXpedition 19 (8) Jean Bunnell. (02/08 – 45/21, 45/22, 45/24 and 45/26)
X-025 Spring time Grayland DXpedition – 3–29/30/08 (2) Chuck Hutton. (05/08 – 45/27)
X-026 Granite Pier Mini-DXpedition (late 4/08) (2) Mark Connelly. (06/08 – 45/28)
X-027 DXpeditions: Rowley, MA – Rockport, MA (3) Mark Connelly. (08/08 – 45/30)
X-028 DXing from Masset BC, Queen Charlotte Islands (2) Walt Salamini. (09/08 – 46/02)
X-029 DXing from Kenai AK (1) Kevin Schanel. (09/08 – 46/03)
X-030 Grayland DXpedition (3) Various. (10/08 – 46/06)
X-032 Guy Atkins at Grayland (2) Guy Atkins. (11/08 – 46/09)
X-033 Gary DeBock at Grayland (1) Gary DeBock. (11/08 – 46/10)
X-034 Guy Atkins at Grayland (1) Guy Atkins. (01/09 – 46/17)
X-035 Guy Atkins at Grayland (2) Guy Atkins (01/09 – 46/18)
X-036 Queen Charlotte Islands yet again!!! (3) Walt Salamini. (01/09 – 46/18)
X-037 Newfoundland 2008 DXpedition (8). (01/19 – 47/20 and 46/21)
X-038 Here is a report on our trip to Costa Rica (1) Martin Foltz. (02/09 – 46/22)
X-039 Grayland DXpedition Loggings – 12/29/08 (2) Guy Atkins. (03/09 – 46/24)
X-041 Newfoundland 2008 DXpedition Report, Part 2 (2), (09/09 – 47/01)
X-043 DXpedition to Grayland WA – 10/12–14/09 (2) John H Bryan. (11/09 – 47/10, 47/11 and 47/12)
X-046 HMS St George – Haida Gwaii (3) Walter Salamini. (01/10 – 47/17)
X-050 Middle East Loggings from Nick Hall Patch (4) Nick Hall-Patch. (05/10 – 47/27 and 47/28)
X-051 Seefontein DXpedition – 3–29/4/10 (3) John Plimmer (05/10 – 47/27)
X-052 July 2010 Oregon Beach UltraLight DXpedition – Stumbling Across a Hot Spot for South Pacific DX (2) Gary DeBock. (09/10 – 48/02)
X-053 August 2010 Lincoln City, Oregon DXpedition – More Unusual ULR Success in Chasing South Pacific DX (3) Gary DeBock. (09/10 – 48/02)
X-054 Initial compiled Loggings from the Haida Gwaii DXpedition – 9/23–26/10 (3). (11/10 – 48/09)
X-055 DXpedition to Grayland (2) Guy Atkins. (11/10 – 48/12)
X-056 halls Patch (3) Walt Salamini. (02/10 – 48/14, 48/15s, 48/16, 48/17 and 48/18)
X-057 From Southern Star to under the North Star – AHI3 DXpedition to Alkhinemi – 10–16/23/10 (2) Mika Mäkeläinen. (12/10 – 48/14)
X-058 LEM295 DXpedition to Lemmenjoki – 10–23/10 (2) Mika Mäkeläinen. (01/11 – 48/17 and 48/19)
X-060 August 2011 Oregon Cliffs UltraLight LW DXpedition – Stacking the Odds with High Elevation, Salt Water Paddles and FSL gain (3) Gary DeBock. (09/11 – 49/02)
X-061 Long Beach Island DXpedition report (4) Russ Edmunds. (01/12 – 49/19)
X-062 DXpedition to Gabriola Island (1) Nick Hall-Patch. (01/12 – 49/20)
DXpeditions #15 through #19 (4) Eric Bueneman (NØUIH) DXing at various sites around St. Louis, MO

October 2020 Rockwork Ocean Cliff DXpedition (4) Gary DeBock (9/20 – 58/04)

Recent Trans-Atlantic Medium Wave (AM) Radio Logs from Carbonear, Newfoundland (2) Allen Willie (10/20 – 58/06)

October 2020 Rockwork Ocean Cliff DXpedition (6) Gary DeBock (12/20 – 58/17)

Masset DX from 13 to 25 October 2020 (2) Walter Salmaniw (10/20 – 58/10)

Tim Hall’s October-February 2020 Border Inn DXpedition (final report) (42) (10/23 – 59/08) (UPDATED)

DX at Chatham Light House, Chatham, MA, 12/30/20 to 1/11/21 (3) Roy Barstow (CLIPS refer to audio samples found in IRCA’s groups.io list)

Masset DXpedition December 27 2020 – January 3 2021 (3) Walter Salmaniw (01/21 58/20)

Report from Lilongwe, Malawi, Dec 2020 (1) Nick Hall-Patch (01/21 58/21)

A Few Grayland Loggings, Feb. 25th, 2021 (1) Guy Atkins (03/21 58/27)

Rockwork 2 Portable DU’s for 03/03/21 (1) Gary DeBock (03/21 58/28)

Quoddy Head Log for 10/19/08 – 10/26/08 DXpedition (26) Dallas Lankford. Includes a description of the site and of various antenna experiments.

Quoddy Head 2011 DXpedition (5) Dallas Lankford. Also a report on experiments with different antennas.

Sandy Neck Beach DX, Barnstable, MA 06/13/21 to 12/10/21 (11) Roy Barstow (CLIPS refer to audio samples found in IRCA’s groups.io list) (NEW)

Menauhant Beach DX, East Falmouth, MA 06/17/21 to 11/10/21 (5) Roy Barstow (CLIPS refer to audio samples found in IRCA’s groups.io list) (NEW)

DXpeditions #20 through #26 (8) Eric Bueneman (NØUIH) DXing at various sites around St. Louis, MO (NEW)

March 2021 South American Ultralight DXpedition by Martin Butera (2) via Gary DeBock (8/14 59/01) (NEW)

Walter Salmaniw Masset DX, September and October 2021 (1) Walt Salmaniw (10/30 59/09) (NEW)

Rockworks DXpedition Aug 2-6, 2021 (10) Gary DeBock, Tom Rothlisberger, Jeroen Bet, Chuck Hutton, Bruce Portzer (NEW)

Rockwork 2 Portable TP’s for 10/12 - 10/18, 2021 (1) Gary DeBock (10/30 59/09) (NEW)

Grayland – October 27, 2021 (1) Guy Atkins (11/06 59/10) (NEW)


Tim Hall’s October-November 2021 Border Inn DXpedition (preliminary report, from initial 30-day review of recordings) (11) Tim Hall (12/18 59/16) (NEW)

Menauhant Beach DX, East Falmouth, MA 02/02/22 to 06/04/22 (6) Roy Barstow (CLIPS refer to audio samples found in IRCA’s groups.io list) (NEW)

Sandy Neck Beach DX, Barnstable, MA 12/08/21 to 05/05/22 (7) Roy Barstow (CLIPS refer to audio samples found in IRCA’s groups.io list) (NEW)

Chatham Lighthouse Beach DX 04/14-15/22 (1) Roy Barstow (CLIPS refer to audio samples found in IRCA’s groups.io list) (NEW)

DXpedition to Gabriola Island, BC, 06/13/22 (1) Nick Hall-Patch. (06/11 58/24). (NEW)

DXpeditions in a Metropolitan Area (2) Eric Bueneman (NØUIH). Techniques for setting up a DXpedition in an urban area are described. (04/23 59/32) (NEW)

Remote Florida DXing Sites (2) Terry L Krueger. Sites in Florida suitable for DXing, many with other attractions available. Some suitable only for daytime, however, but with Cuba (02/26, 59/26) (NEW)

DX 12/14/21 at Fort Hill-Eastham-Cape Cod (1) Roy Barstow. (CLIPS refer to audio samples found in IRCA’s groups.io list) (01/08, 59/19) (NEW)

A small DXpedition to Costa Rica (1) Gregory Hall. Listening from Tortuguero on the Caribbean coast and Osa Peninsula in the SW corner of the country. (01/15 59/20) (NEW)

January 18-21 Rockwork 4 DU-DX Summary (1) Gary DeBock. (01/29, 59/22) (NEW)


(Many more MW DXpeditions may be found at http://realmonitor.com/DXp/ where you’ll find a ‘homepage’ that includes just Grayland, Lubec and Bay House [near Reedeville VA]. Older and non-recurring trips are here: http://realmonitor.com/other_DXp/ Perhaps a better landing spot would be http://receivewithus.com. It’s about as close as I’ve got to a starting point for my own radio hobby links.

Bill Whitacre, Alexandria VA)