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Radio-Frequency Interference: Part 15,

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Reflections – Some Closing Thoughts

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Restoring an Old Classic Brass CW Key

to Active Service DEC

Shutting Out the Rest of the World JAN

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REGULAR MT COLUMNS

ANTENNA TOPICS (Dan Farber/Kent Britain)

JAN Basket Weave Antennas (Kent Britain)

FEB Understanding the Vertical: It's a
Dipole Stuck in the Ground!:

Grounded in Fact, What's the

Angle?; Vertical Quirks (Dan

Farber)

MAR Understanding the Vertical: It's A

Dipole Stuck in the Ground!:

Reflection Direction, Driven to

Distraction (Dan Faber)

APR Facets of Capacitors; Reader's

Question (Kent Britain)

MAY Getting Loaded: Making Short

Antennas Work (Dan Faber)

JUN Getting it Together, Keeping it

Real – A Little Care and Feeding

Pays Off (Dan Faber) / A Look at

Radar Transponder Antennas

(Ken Britain)

SEP Big Gun Antennas with A

Vengeance: Our Old Friend Mr

Vertical, Ring Up the Curtain, In

the Log Periodically, Into the

Sunset (Dan Faber)

OCT The Big Dipole Revisited: What I

Did on My Summer Vacation

(Dan Faber)

NOV Copper Water Piping: A Greatly

Improved Ground

DEC We Had a Good Run . . . of

Ladder Line; A Few of My

Favorite Things; And, Finally . . .

ASK BOB (Bob Grove)

JAN New FCC narrowbanding rules

now in effect explained!; Law

enforcement wireless mic and

	camera frequencies; How to tell a bad car speaker; Tabletop vs portable SW radio; Truck alternator trickle charging?; Grounding a shortwave antenna; Car ammeter vs voltmeter		comms on 152.500 MHz?: I can hear my local ATC but not the planes, why?; Turning a sloper into a vertical; Running coax in a PVC pipe; RF-tight room, what about AC plugs?		cabinets; Can RCA and Motorola plugs handle RF power?
FEB	Where do electrons come from?; What does CE stand for?; 50 ohm feed for 100 meter feed line?; Chassis ground on car; Strong buzz every 64 kHz; AC hum on certain SW frequencies; Vacuum vs blowing dust; Seven digit reception on six digit scanner; Can old scanners hear new narrowbanding?; Shock from nine volt batteries	AUG	Computer requirements for SDR radio; Birds and RF burns; Did narrowbanding require re-licensing and should I reprogram my scanner; Is there a plan for a large, portable, vertical SWL antenna?; Replacing a Grove Scanner Beam balun; Why don't broadcast journalists carry hand-held scanners?; VHF/UHF hand-held scanner for P25?; Does "reconditioned" have any legal meaning?; What happens to old wide-band police/fire transceivers? Will 1,200 feet of wire draped on the ground be a good antenna?		
MAR	Why have a 1:1 balun?; Beverage antenna and noise; How fast do electrons flow in a wire?; A cure for 800 MHz signal flutter; LW/HF longwire; Are D-STAR and WIRES the same?; Lead-acid battery resistance; Expensive vs inexpensive discone antenna; VG-2 and VG-3 undetectability in auto radar detectors	SEP	How to re-fold a Scanner Beam antenna; Coax for 2.4 GHz?; Antenna combiner for a WinRADIO G39?; Exactly where is the North Pole?; IDing odd HF sounds; Random wire antenna for two receivers; Two mobile antennas for two scanners?		
APR	RFID chips in firearms?; Static discharge antenna connectors; replacement components for a battery charger; Tuning 1:1 and 4:1 baluns; Antennas used on locomotives; Can cell phone be tracked when off; Can 15 Amp service handle 1 kW linear amp?; CONELRAD stations: who stayed on the air?; What's a Honda-clone generator?; What makes a good noise antenna?; Where to mount marine antenna; Support for an Endfedz antenna; Will two 10 amp fuses wired together in parallel blow at 20 amps?	OCT	Reduced reception with fiberglass whip; Is DES still authorized for public safety?; Mounting an external antenna for SWL; Proper use of RF gain control on receiver; VOA sub-audible tones during the 50s and 60s?; Natural gas detectors; Gold-plated audio and antenna connectors; Embassy antennas prior to WWII.		
MAY	Extending the length of a wind-up SW antenna; Is AIR's 9870 frequency heard on U.S. East Coast?; Length of ground wire and pipe for transceiver; Why not RDS for shortwave?; No scanner audio, what's wrong?; Is TDMA reception possible on a scanner?; How to become UL approved; cell phone battery charging; Difference between 5/8 and 1/4 wave 2-meter antennas	NOV	Improving an attic-mounted HF dipole; Portable radio shuts down by itself; What causes "rain fade" on Dish Network TV?; Why did the government switch from DES to AES encryption?; Why the increase in interest in vinyl records?; SW antenna installation for beginners; Roof-top scanner antenna doesn't pick up as well as stubby antenna; What satellite does Google use for its imaging?; Can trunked radio systems overload system?; What is the difference between a frequency allocation and an assignment?		
JUN	Combining two remote active antennas; Battery equivalency charts; Radio waves vs horizontal dipole; Adjustable antenna lengths at VHF/UHF; Can hams use their HTs at air shows?; Assembling a remote RF antenna control switch?; Using ham radio in an aircraft; LF and VLF frequencies vs atmospheric; How many radials for a ground-plane vertical?	DEC	Where are the hams?; Narrowband scanner signals not as loud; What does, "DC to Daylight" mean?; Are today's cell phone conversations secure?; Nearby NWS WX stations interfering with reception; common and uncommon abbreviations; TRBO and FMN?; Will a 21 foot random wire attached to my radio's whip antenna give better performance?; Which VHF frequencies must now be narrowband?; Using a WinRADIO G39DDCe in the field; Mag-mount on top of two different file		
JUL	Attaching an external antenna to a portable shortwave radio; Conventional florescent lamps to become obsolete?; Comms on 15.0161 MHz; DIY magnetizer / demagnetizer; What were those				
					BELOW 500 kHz (Kevin Carey)
				JAN	Technology on Longwave; DGPS, Weak Signal Modes, WWVB, NAVTEX; Mailbag; Loggings
				FEB	Winter Tactics: Raising the Bar; Lowfer Intrigue; Ice Breakers in Action; What's in my Bookmarks?; Winter SWL Fest; Free Book: LF Propagation; 136 kHz Ham Band?; Mailbag & Loggings
				MAR	Aviation NDBs: Facts for Non-Directional Beacons; Mailbag; SAQ 17.2 kHz
				APR	In Tribute to Jacques d'Avignon VE3VIA; This month of Longwave; Win a Free Book
				MAY	Amateur Radio on Longwave: New Bands?, LW Ham Resources; Mailbag; More on Consolan
				JUN	Hitting the Road: Location Location, Gear Checklist, Communications, The Big Day, Loggings and Mailbags, SDR Loggings from Ontario
				JUL	Mailbag Catch-Up: New Catches from NJ; Finding Ferrite Loops; LORAC (and that's not a typo!); New to Longwave; LF Converter: Field Report; We Have a Winner!
				AUG	Checking Your Station, End Notes and Mailbag
				SEP	Online Tools for the Basement Band: Longwave Websites; Loggings; Longwave CD & Book
				OCT	Gearing Up: The Early Days vs Today; Keeping a Logbook; DGPS De-mystified; How it Works; Decoding DGPS; DGPS Loggings; VLF Antenna Option – Active Antennas; Natural Radio
				NOV	Logging On; Mailbag & Loggings; Building "Helper Loops"
				DEC	Logging On; Mailbag and Loggings; Building Helper Loops
					BOATS (Ron Walsh), PLANES (Iden Rogers), and TRAINS (Ernest Robt)
				JAN	BOATS: "For Everything, There is a Season..."; Reader's Comments; Request of Readers
				FEB	PLANES: A Look at SkyVector.com
				MAR	TRAINS: Events Large and Small: EP Brakes, Runaway Trains, Smaller Events
				APR	BOATS: Top Maritime Monitoring Frequencies: Frequency Source; The Portable Shack
				MAY	PLANES: Hot Spots, Flight Numbers and More: What is a Hot Spot, What is an Intersection?, What is Contact Departure?, What is a Flight Number?, "Say Type Aircraft"
				JUN	TRAINS: Listening at Work Limits and a PTC Update: PTC Update, More Sources
				JUL	BOATS: Your Maritime Monitoring Questions Answered

AUG and More!; Waterway Net; NI4BK; Suggested Frequencies
PLANES: Oceanic Crossings: VHF-HF Transitions; First, What is ARINC?; Checking in with ARINC; Frequency Request Examples Using HF and VHF; Hand-off Back to VHF; Aircraft Listening and Me; Iden's Farewell from MT
OCT BOATS: End of Some Eras; Band Intruders

BROADCAST BANDSCAN -- Even months (Doug Smith)

FEB HD Radio without interference?: Here's How All-Digital IBOC Works, What about FM; The Wrath of Sandy; The Thinning of the AM dial; Bits & Pieces; URLs in this month's column
APR AM Time Machine; Missing Big Signals; All-Digital IBOC Test; Nashville's Big Tower; Station Report
JUN Death of the Car Radio?; AM Revitalization -- More Recommendations, Missing Signals, Station Report
AUG The (Possible) Demise of Analog AM: AM Revitalization, or Not?; Last Minute LPFM News
SEP Doug Smith's AM Revitalization Plan; More Notes About KBRT-740; How Many Are There?; Station Report
OCT What is Interference?: Co-Channel Interference; Adjacent-Channel Interference; Overload Interference; How does the FCC Deal with it?; The End of Analog TV Continues; Radio, Online and Otherwise; Letters; Station Report
NOV Translator Madness: TV channel 56: Not Really Gone; Vanishing TV; Bits and Pieces; Station Report
DEC AM Improvement, Part 3; Suspended Operation; Automatic TV DX; Goodbye, More or Less

COMMUNICATIONS (Ken Reitz)

JAN Sandy Aftermath Mixed Results; Las Vegas Trashes \$42 Million Dollar Radio System; LightSquared: It's (almost) Alive!; Russian Glonass Satellite Scandal; BBC to Test MW Shut-off; FCC Clamps Down (Again) on S.E. Florida; English FM Debuts in Moscow
FEB FCC Grants Extended Narrowbanding Deadline; Des Moines Police Radio Dogged by Impersonator; Confessions of a Cable CEO; Extra Class Hams Gone Wild; How Not to Move a Tower
MAR Radio Liberty in Turmoil; ARRL Approves Five School Grants; FCC: Telcos to Blame for 911 Derecho Outages; 5 GHz to be the New Home for Wi-Fi; Battle of

OTA-TV Numbers; Pirate Radio Stations Jams Car Locks
APR April 18: World Amateur Radio Day; German Ham Numbers decline; Iowa Radio Specs Skewed to Motorola; FCC Fumbles Cyber-Security Hack; FCC Report: Satellite Broadband Faster than Claimed; Bogus EAS Alert Warns of Zombie Attacks
MAY Update on Narrowbanding by MT Publisher, Bob Grove W8JHD; Prof to NTIA: LTE System Vulnerable to Attack; South Bend IN Radio System Failure; VOA Decries China Jamming Effort; Ex-Ham Fined for Interfering on 14.312 MHz; Ham Fined \$25,000 for Police Radio Interference
JUN Major FCC Shakeup in Offing; FCC Commissioner Cheerleads Return of AM; Reassessment of FCC RF Exposure Limits; Nebraska Emergency Radio Flops; CA Radio System's Money/Interoperability Issues; Ohio Ham Warned on 6925 kHz Operations; More Unlicensed Follies
JUL Spire Set of WTC Replacement; Boston Terror Media Fallout; New FCC Head: Former Industry Lobbyist; Cable and OTA Fight
AUG WYFR Family Radio Closes; Greek Gov't Silences Voice of Greece; Google's Next Loony Idea; Hazards of Storm Chasing; Big-Time FM Pirate Nabbed; AM Pirate with Great Antenna Nailed.
SEP BBG Shambles; Public Safety Radio Follies; Cubesat Grads Cash-In; UHD-TV Tested via Satellite; 2013 ARRL Scholarships Awarded; CB Amp Distributor Nailed.
OCT More Public Safety Radio Follies; DoD Ends "Space Fence," Saves \$14 million; SpaceX Snags more Satellite Contracts; Cord-Cutters Fleeing Cable, Satellite-TV; California CB/Ham Shop Busted; FCC Invades NYC: 21 Pirate FM Stations Busted; GPS Jammer Use: \$31k Fine.
NOV Life after MT? Yes!; 73 Publisher, Wayne Green W2NSD, SK
DEC

COMPUTERS & RADIO (Brian Wood)

JAN DIY Personal Computers, Part II: Software, Not so fast; Make Your Own PC Shopping List
APR Ham Radio Deluxe 6.0: Worth the Wait!
JUL Decoding HD-Radio: IBOC; The Direct Electronics "Car Connect," Software, Drivers and Results
DEC A Fond Look Back . . . And Ahead: History of Computers and Radio; Changing Radio Landscape; Looking to the Future; Last Word

DIGITAL DIGEST (Mike Chace)

JAN go2: A New Kid on the Digital Signals Decoder Block?; Pakistani Police; New West African Net?; Polish Army in Afghanistan; Sigmira and STANAG 4285
FEB End of NAR and Chinese 4+4; U.S. Navy HF Station NAR Decommissioned; Decoding the Chinese 4+4 Modem with Hoka's Code 300-32
MAR Another Mystery ALE Network; Pakistani Naval HF Operations; Chilean Army; A Tale of Thor
APR The Strange Case of Napa and Lion; The "India Mike" Network; Colombian Navy Update; WaveCom's W-Cloud
MAY Chilean Navy HF Digital Operations: Chilean Navy Weather Service; Chilean Navy Navigation Service
JUN Fingerprinting Russian Naval Broadcasts with Rivet: Rivet and Globe Wireless FSK
JUL North Korean Diplomatic HF Operations; The Mysterious OL1A
AUG JORN Ionospheric Sounder; Rivet Decoder Debutment Moves Ahead; Russian Intelligence and Diplomatic XPA2 MFSK System
SEP U.S. Embassies in HF: Global Wireless Network Goes Dark
OCT The Army MARS TSA HF Network
NOV U.S. Agencies Still Found on HF: AT&T and NS/EP Stations; NCS PacTOR Stations; Digital Digest Archive on Kindle
DEC Digital Digest Guide to Keeping it Simple: The Radio, The Decoder, The Stations, Weather, Naval Channel Availability, Cuban Diplomatic Service, U.S. Air Force.

THE FED FILES -- Odd months (Chris Parris)

JAN DEA Communications in Transition; TSA Expanding the Reach
MAR Can Your Hear Me Now? More Federal Interoperability Troubles; FLETC -- The Federal Law Enforcement Training Center; Tennessee Valley Authority (TVA) Trunked System
MAY 2013 Federal Super-Scanning Events: Presidential Inauguration Washington DC; Super Bowl XLVII New Orleans; 2013 NBA All Star Game Houston
JUL Monitoring at a Presidential Library Dedication: Bush Presidential Library Dedication; Boston Terror Bombing; FBI and the "D" Zone
SEP More Than a Few Words about Encryption; FBI Frequency Project; South Florida Road Trip
OCT Internal Revenue Service Radio System Update; CDC Trunked System; Road Trips: Portland OR

NOV to Kennewick WA, Pittsburgh PA to Asheville NC; DEA on VIPER When Federal Frequencies Aren't Federal Frequencies: DHS OIG Report on Radio Systems; New CBP Channels

DEC A Fed Files Surveillance Operation; Using the RF Explorer; A Fond Farewell

FIRST LOOK (Larry Van Horn)

JAN Roku: One Smart Little Bob (Lloyd Van Horn); Grundig G2 Reporter Portable (Larry Van Horn)

FEB The 2013 Grundig Satellit 750 (Larry Van Horn)

MAR WiNRADIO G33EM Marine Receiver (Bob Grove)

APR FunCube Dongle Pro+ (Bob Grove); Sangean WFR-28 Radio (Larry Van Horn)

MAY Elecraft KX3 (Thomas Witherspoon)

JUN AOR LA400 and LA800 Loop Antennas (Bob Grove)

JUL West Mountain Radio RigBlaster Advantage (Larry Van Horn)

AUG CommRadio CR-1 (Thomas Witherspoon)

SEP C C Radio-SW AM / FM / Shortwave Portable Radio (Larry Van Horn)

OCT AOR AR6000 Wide-Frequency Desktop Receiver (Bob Grove)

NOV WiNRADIO G315 Wide-Coverage SDR Receiver; WiNRADIO G313 SDR Shortwave Receiver; MFJ-4225MV Switching Power Supply (Bob Grove)

DEC La Crosse 2810 Series Wireless Weather Station; MFJ-2702M Wideband Antenna Switch; MFJ-1164B AC Line RFI Filter; WiNRADIO APCO Decoder Software; MFJ-5004 Professional Function Generator (Bob Grove)

GETTING STARTED (Ken Reitz)

JAN Product Recommendations Update: Sangean HDT-1X, Logitech Squeezebox Radio; Wireless Scanning

FEB Chasing Uncertified CB Radios and More on Cord-Cutting; Disappearance of OTA-TV

MAR Exporting U.S. Culture via Shortwave and Whatever Happened to Audio Fidelity: A Taxpayers's Bargain, Your Turn to be an International Broadcaster, Whatever Happened to Audio Fidelity; Digital Broadcasting by the Numbers

APR Innovative WiFi Radio (Almost) has it All: Hi-Fi WiFi, World Radio Attributes, On the Downside, Bottom Line

MAY Beginner to Veteran Ham in Five Easy Steps: Get the Right Gear to Start, Put up an Effective Antenna, Know How to Operate Your Rig, Learn to Operate New

Modes, The Smart Way to Chase DX

JUN Mohu OTA Antenna: A Low-Profile Roof-Top or Attic TV Antenna: A New Approach, SKY-HDTV Antenna in Action, Variability Among Receivers, Bottom Line

JUL Solar Cycle Issues, Tiny OTA-TV Antennas, Pirate Radio and More!

AUG WWI Radio Heroes and Whatever Happened to 2 Meters?

SEP WiFi Radio, Tiny OTA-TV Antennas Update and Field Day Notes

OCT Repeater Silence, Missing WiFi Radio Stations, FTA-OTA-TV Reception and Rural Broadband

NOV Radio-Electronics Kits for Young Experimenters

DEC How to Chase a Dream: A Column and A Career are Born

GLOBAL NET (Lloyd Van Horn)

JAN Will Apple Shut Down Pandora's Box?; Lessons from Sandy

FEB A Global DXpedition for free?

MAR Puerto Rico: A State of Streaming; Streaming the Friendly Skies; GlobalNet Links

APR Want to Give Back? Share your Signals with the World!; When Severe Weather Breaks; GlobalNet Mailbag

MAY Let Your Router do the Talking: VoIP; GlobalNet Mailbag

JUN WiFi Radio for the Financially Challenged

JUL Living in a Digital World and the GlobalNet Mailbag

AUG Radio Free Apple: Pandora Pinches Pennies

SEP Radio's best TV Channel: YouTube; Next Generation Gaming Consoles: What's in it for Streaming?

OCT The "Other Side" of Internet Radio: The Global Radio Alliance; Radio Papaya; Weirdiville! Web Radio; Horror Theatre; Pangea's World of Weird; And that is just Scratching the Surface

NOV Internet Radio Essentials: AT Home, In the Car, At Work and Beyond

DEC Reflections of a Global Listener

LETTERS (Ken Reitz)

JAN Bob Grove Asks the Questions; International Readers' Views; WxSat FAX info; DRM on an SDR

FEB 60 Years of Lafayette Radio (MT cover story December 2012); Kudos to Dan Veeneman's Scanning Report "Scanner Technology" (MT December 2012); More Running Linux on SDRs (MT cover story, November 2012); TV Accessories for Scanner or SWL; Pizza Pan 150 MHz Antenna;

Disappearance of the Boston Acoustics Solo II

MAR Tracking RFV Radiation; Better Audio for your Smartphone and it's Portable; Basket Weave Antenna Dimensions; UE Smart Radio vs Sangean WFR-28; Who Cares?

APR Jacques d'Avignon SK; Happy OTA-TV Viewer; P-25 Type 2 Reception; Would Synchronous Detection help the Satellit 750?; VOA sheds Smith-Mundt Act; Hooked on HD-Radio

MAY Whatever happened to High Fidelity Audio?; Shortwave Programs on Shortwave; Sangean WFR-28 vs. UE Smart Radio; Future of Dashboard Radio

JUN Marine Frequencies on HF; Death of SW? Why Not!; Memories of another Radio Catalog Company; What's the frequency and can I put it in the log?; One Reader's Appreciation

JUL Narrowbanding in Real-Life; Protecting Local and Distant AM Signals; Multi-Mode Reception on Apple Portable Devices; Missing Shortwave Resources

AUG Radios on Holiday; Note of Appreciation; FTA vs. cable and satellite-TV; Mystery CW Sign

SEP **MT to close with the December, 2013 issue;** Readers respond to "The Heathkit Legacy" from MT July, 2013; More KCBS vs. KBRT fallout.

OCT **A sampling of reader's comments on the close of MT;** Upset over fluorescent bulb replacement; More narrowbanding fallout; Missing TV channels on Roku.

NOV More comment on dead 2-meter repeaters: Jamming issues and Echolink/IRLP modes; **More farewell messages; MT congratulates.**

DEC Monitoring Times staff writes letters to its readers.

MILCOM (Larry Van Horn)

JAN Technology and Milcom Satellite Monitoring: UHF Military Satellite Monitoring, The Current DoD Milsat Bandplan Overview; Fleet Satellite Communications (FLTSATCOM); Air Force Satellite Communications System (AFSATCOM), UHF Follow-On (UHF F/O), Milstar

FEB Monitoring the U.S. Air Force Civil Air Patrol Auxiliary: VHF, CAP and the HF Spectrum, CAP Call Signs

MAR Monitoring Foreign Military and Civilian Air Show Teams: Canadian Flight and Parachute Demonstration Units; Civilian Air/Parachute Demonstration Teams; Civilian Flight Demonstration Teams and Air Show Companies; GMRS

Frequencies; Family Radio Service and Intra-Squad Radio Frequencies; U.S. Civil Air Patrol Frequencies

APR Who's Who in the 30-88 MHz Government Spectrum: SINCGARS Rules Supreme in this Spectrum; VHF Low Band Station Characteristics; VHF Low Band Frequency Breakdown; Navy Carrier Trunk Radio Systems

MAY Monitoring the Busiest Air Station in the Marine Corps (MCAS Yuma AZ): ATC Aeronautical, Ground LMR and LMR Trunk Radio System frequencies; 3rd Marine Air Wing; FAA/DoD NOTAM Frequency Changes

JUN Update on Monitoring the UHF Milsats: Milsat Monitoring 411, The Short Course on Locating Milsats in Orbit; Tables: Active Milsats and Orbital Locations, Known Milsats UHF Downlinks and Band Plans, Milsat Monitoring Resource Guide

JUL Air Force Reserve Military Call Sign (Cody); 3 MHz 'OR' Aeronautical Sub-Band Scan; ARTCC Update (Boston ARTCC)

AUG New North Atlantic Aero Frequencies Added: NAT Family Stations/Frequencies; ARTCC Update: Los Angeles ARTCC and New York ARTCC

SEP Military Land Mobile Radio Systems Primer: What is Trunked Radio Technology, How Narrowbanding Changes Everything!, What You Can Monitor Now? VHF Low Band, VHF High Band – Military, VHF High Band – Federal, UHF DoD LMR Sub-band, UHF Government Band

OCT Military Tanker Call Signs and Frequencies: Random Aerial Refueling Frequencies; Refueling Call Signs; ARTCC Update: Albuquerque ARTCC

NOV Monitoring the Customs COTHEN HF Network; COTHEN Today; COTHEN Frequencies Continue to Increase; Who are the COTHEN Players?; The Future of COTHEN and Coast Guard, Coast Guard Assets on COTHEN

DEC My Finale is Where I Started: Signals from Space; U.S. Military UHF Satellite History; What's in Orbit Today; MT Milcom Military Communication Geostationary Satellites; Farewell to MT, but I will still be around.

ON THE HAM BANDS (Kirk A. Kleinschmidt)

JAN Hamsphere: Simulated Radio, Real Fun: Like a Video Game for Hams, Hamsphere 3.x, A Couple of QSOs, Other Features, Just Try It!

FEB Junk Works, Too 2.0: The Latest and the Greatest, Crystal Sets, Regenerative Receivers, Direct-Conversion Receivers, Superhets, SDRs

MAR Hilltopping: Outdoor DX Fun at 'Towering' Heights!: Hills or Mountains – It's All Good, Gear Up, Elevated Activities

APR Band Openings in a Brave New World: Calling CQ, Listening to Non-Ham Signals; Online Tools; Beacons; The NCDXF/IARU HF Beacon Network; The Reverse Beacon Network; HAMjitsu; Brave New World

MAY Why Contesting?; The Benefits of Casual Contesting, Beginner Friendly Contests; Contesting Tips for Beginners

JUN A \$20 SDR for Your Shack?: DVB Dongles: Not Just for TV Anymore, What to Buy and Where, It's Alive, Time to get Down, The Best is Yet to Come

JUL Globalization, Lab Equipment and Your Pocketbook: The Golden (Expensive) Age of Radio. Oscilloscopes; Spectrum Analyzers

AUG Are Small Antennas 'Good?';

SEP The Highs and Lows of Amateur Satellites: OSCAR Basics, Linear LEOs, Wherefore Art Thou Molniya, Future Orbits

OCT Adventure Beyond PSK31: Modes Aplenty – RTTY, HF Packet Radio, TOR, AMTOR, PACTOR II/III, Clover, PSK31, MT63, Throb, Olivia, Contestia, JT65, JT9, Hellschreiber

NOV Best Advice? Better Antennas!: "It's the Antenna Stupid!"; Higher is Better; Horizontal Loops – best All-Around HF Antenna; RG-6 Best All Around Coax; Amplifiers are Rarely Necessary

DEC NT0Z Signing Off; Gray Areas in Amateur Radio Regulation, Practice and Enforcement; The Minimum Power Rule; Up, Up and Away; Remote Station Operation; Working Oscar 7; Public Safety Comms; Actionable Violations

PROGRAMMING SPOTLIGHT (Fred Waterman)

JAN Music Makes the World Go Round!; Treats from Australia; Deutsche Welle Shortwave Possibilities

FEB Warm Sounds for Winter Listening

MAR The Beijing Hour vs BBC Newsday, PCJ Media Happenings

APR Spring and an SWL's Thoughts Turn to...Radio

MAY Shortwave Radio: Helping Understand Today's News

JUN Summer Shortwave DX Challenges

JUL Summer Celebration via Shortwave

AUG Cold War Remnants and New SW Voices

SEP Quality Programs from Russia and China

OCT Two Stalwart SW Broadcasters Keep the Quality High; Late Night Live

NOV Shortwave Today: Cold War Ghost, Blues and Laughs; We Get Mail...

DEC Christmas on the Shortwave Bands

QSL REPORT (Gayle Van Horn)

JAN Stamps and More for 2013 QSLing

FEB Period Reporting...Alternative Approach

MAR Why Use a Prepared QSL Card?

APR UPC Introduces New IRC

MAY QSLing ARRL Field Day

JUN QSLing Your Way

JUL Firecracker Special 2013 (All QSL and no tip for the month)

AUG QSLs on Parade

SEP Celebrating Two Anniversaries

OCT QSL Contact Updates

NOV QSL Contact Updates – Part 2

DEC Farewell and New Projects for the Radio Hobbyist

RADIO RESTORATIONS (Marc Ellis)

JAN Howard p[roject on Ice; More Tube Lore: Getting to the Dial System, The Tuning Drive Problem, A Clever Idea that Didn't Work; Heater Voltages and Tube Nomenclature

FEB Awakening a Hallicrafters S-38D

MAR The S-38D Alignment Hits a Snag: Powering Up the Halli, Preparing for Alignment, IF Alignment Problem

APR Buttoning up the S-38D; Cannibalizing a Clock Radio; Swapping Transformers; Front End Alignment; IF Transformer Repair

MAY Classic References for Your Bookshelf: Last Month, Developing a Useful Reference Library, Radio repair and Restoration, Radio Theory, Reference; History

JUN Firing up a Radiola III: The Circuit, Battery Connections, Antenna Connections, A First Look Around

JUL The Radiola III Squawks Again!: Battery Substitutions, Lighting the Filaments, Connecting the "B" and "C" Batteries

AUG Electrolytic Replacement 101: Enter the Electrolytic, Identifying the Filter Caps, Making the Replacement, Capacity and Voltage Ratings, Capacitor Re-Forming

SEP Introducing the Echophone EC-1

OCT Read This Before You Plug It In!: First Steps, Tube Removal and Checking Cleaning and Inspection, Capacitor Issues; Contact Cleaner and Lube; Time for the Smoke Test

NOV Finishing up the Echophone EC-1
 DEC The Battery Set Era; Crystal Receivers; The Regenerative Receiver; Firing up a Crosley "50"; The Three Dialer Era;

SCANNING REPORT (Dan Veeneman)

JAN EDACS, Open Sky and Hot Air Balloons, Albuquerque NM: Mixed Mode Operation, Albuquerque Analog Activity, Hot Air Balloons; OpenSky in Nevada; OpenSky in Nevada; West Palm Beach FL; OpenSky2; OpenSky 2 comes to DC; OpenSky in Georgia
 FEB NEXEDGE: Kenwood's Next Step in Digital Narrowband Technology: Voice Encoding and Decoding, Multiple Access, Frequency Division, Time Division, NXDN Signals, NXDN Operations, Encryption; Austin TX; Wichita Falls TX; Macon GA
 MAR Monitoring Southeast Louisiana: Encryption, Louisiana Wireless Information Network (LWIN), Frequencies, Talkgroups
 APR First Responder Network Authority: FirstNet, 700 MHz Public Safety, Broadband Demonstrations; Charlotte NC; Harris County TX; New Orleans LA; Los Angeles CA; MACINAC; Divide County ND; North Dakota State Radio
 MAY Improving Reception and Hamfest Hunting: Hamfest, Dayton Hamvention; Dayton OH Frequencies; Montgomery County OH; Air Force Museum
 JUN North Carolina's VIPER Network: Design Goals, Status Words, VIPER
 JUL Chossing Your First or Next Scanner, Hawthorne Woods IL; Agency-Fleet-Subfleet, AFS Conversion; Talkgroups; STARCOM21; Aviation; Scanners; Lewistown MT
 AUG Tourist Scanning Upstate New York: Niagara County Public Safety, Simulcasting, Niagara Frontier Transportation Authority, Genesee County NY, Genesee County Public Safety, Summer Storms
 SEP Scanning for "I-Call" Transmissions: William in New Mexico; Scanning I-Calls; IDEN Service Shutdown; Times Division Multiple Access; White Space
 OCT Monitoring Virginia STARS and Erie County PA, Virtual Scanner. Erie County PA, Dispatch Centers, Local Codes, Lost Radios; NYC EMS Delays
 NOV L.A.'s New Public Safety System and Scanning Nebraska: LA-RICS LMR, Nebraska Wireless Interoperable Network, Nebraska Common Usage Channels, Monitoring

DEC The More Things Change . . . : Evolving Technology, Internet Resources, Software-Defined Radio, Encryption, Effective Encryption, Radio Failures, NASCAR™, Ventura County CA

SHORTWAVE GUIDE (Gayle Van Horn)

English Language Shortwave Broadcast (24 hours by time and station)

SKY SURFING (Amateur Satellites – Keith Baker / Radio Astronomy – Stan Nelson)

FEB HAMSATS: Amateur Radio Satellites -- Part III: FAX-1 Update, Yubileny-1, Seeds-2, Beesat, FAX-2, SwissCube, Prism
 MAR RADIO ASTRONOMY: Join the FUNcube Fun!: Testing the FCD, FM Band Meteor Detection, Radio Astronomy in the Movies; Correction; Links used in article
 MAY HAMSATS: Amateur Radio Satellite Update: STRaND-1; AMSAT-NA's ITAR Hassle, Relief in Sight?; AMSAT FOX Project Update; More Good News for AMSAT; Wrap Up
 JUL RADIO ASTRONOMY: Meteor Activity; SARA Southwest Conference and VLA Tour; Additional SARA Activities; E-Callisto Solar Monitoring; Radio Astronomy in the Movies
 AUG RADIO ASTRONOMY: Saving Your Radio Astronomy Data: Callisto Solar Monitoring Updates; Noise Sources; SBSpectrum; Using DTV Carriers for Meteor Detection; 1.9 Meter Dish Project Update; Sun Almost Overhead; Radio Astronomy History Buffs
 AUG HAMSATS: Saudisat 1C (SO-50); ESTCube-1; FXO-1A Has a Launch Date; Planned Modes of Operation; Support for Science
 NOV Amateur Radio Satellite Update: UKube-1; FUNcube-1; AMSAT FOX-1A Progress; FOX-1A Launch; Sign Off

UTILITY WORLD (Hugh Stegman)

JAN Utility Bands Active for Super Storm Sandy; HMS Bounty; FEMA; SHARES/MARS; More on AFRTS/AFN Disappearance; Velocity
 FEB HM-01: New Cuban "Hybrid" Mode Baffles Listeners; More Sandy Activity
 MAR In the Air Means On the Air; HM-01 Update; The HM-01 Format
 APR Making Sense of ALE Addresses: The ALE Address, Address Quirks, COTHEN, Military
 MAY Asian Radio Heats Up: Firedrake; Chinese Numbers; Korea; Japan
 JUN Are Broadcast and Utility Converging?: Fldigi on SWBC, Receiving SWBC Digital Content,

What's the Future; Hollywood Does the Numbers
 JUL Monitoring Russia: The Complete Beginner's Guide: USB Aeronautical, Military Morse; Squiggle Solved
 AUG Europe: Utility Happy Hunting Ground
 SEP Globe Wireless Abandons HF: The End of History?; More Shanwick Frequencies; Tallinn Airport
 OCT U.S. Coast Guard Drops 2 MHz Services; Mainsail; Desert Eagle; Three to Go
 NOV CLP44: Cuba's Getting Strane Again; Cuban Numbers Update; UVB-76 Syria Messages?; Two to Go
 DEC CLP44: Cuban Mystery Deepens, HM01 is Changing, Lights Out, Weaker Signals, How to Kill HF, Onward . . . The End

WHAT'S NEW (Larry Van Horn)

Books, e-Books, CDs

FEB ARRL Handbook 2013 – 90th Edition; The ARRL Operating Manual for Radio Amateurs – 10th Edition
 MAR 2013 World Radio TV Handbook; 2013 Super Frequency List on CD; The Care and Feeding of Transmission Lines; Antenna Modeling for Beginners
 APR Amateur Radio Public Service Handbook; Klingenfuss 2013 Shortwave Frequency Guide
 MAY Radios to Go!; ARRL Periodicals DVD 2012 for Windows and Macintosh
 JUN DSWCI Domestic Broadcasting Survey 15; Where Ham Radio Meets Open-Source Electronics
 JUL The ARRL Repeater Directory® - 2013/2014 Edition; Morse Code Operating for Amateur Radio; Brought to You By...by Dan Rapak
 AUG Hands-On Radio Experiments; Understanding Your Antenna Analyzer; The 2013 WRTH Bargraph Frequency Guide Released
 NOV Teak Publishing Announces New E-Book – North America Enroute Aviation Guide; 2013-2014 NRC AM Radio Log Released
 DEC *The Spectrum Monitor*, Teak Publishing Announces another New e-Publication: **International Shortwave Broadcast Guide**; Popular Calendar Highlights Broadcast Beauties; **Ham Radio for Dummies**; **The Early Shortwave Stations – A Broadcasting History Through 1945**

Equipment

JAN MFJ-17980 10-Meter Vertical, SCS OTC-Illusb HF Radio Modem, Parabolic Dish Kit for 40-kHz Ultrasonic Applications;

Sangean WFR-28 Wi-Fi Radio;
Yaesu FT-1DR; Kenwood TS-990S

FEB WiNRADIO WR G33EM Marine Receiver; GRE-310/410 Scanners Still Available; Grace Wi-Fi Ethernet Tuner GDI-IRDT200

MAR Sangean Releases a New Stereo Headphone; Eton Solarlink FR600B; Icom R-2500 Dual Watch, Digital Mode, Diversity Black Box Receiver

APR Sangean WR-22 FM-RBDS/AM/USB/Bluetooth Digital Receiver; Icom ID-51A Dual Band HT

MAY Sangean DT-110CL; Alinco DR-635T; MS-8118 G3 Multichannel Radio Monitoring System

JUN Kenwood Introduces the TS-990s; InnovAntenas Introduces "The Ultimate Limited Space Antenna;"

AUG New MFJ Power Supplies Now Available (MFJ-4128/MFJ-4230MV); The Copper J-Pole Adapter

SEP Alinco DX-SR9T SDR Transceiver; MFJ-266C Antenna Analyzer; MFJ Ultrasonic Receiver Pinpoints Power Line Noise; AOR AR6000 Professional Receiver; New DSP Noise Cancelling Base Station Speaker from bhi Ltd; Shared Apex Loop Array

OCT Alpha-Node™ Hub; MFJ SSB Adventure Series Transceivers, MFJ-941EK Antenna Tuner Kit; World's Largest HF+6M SWR/Wattmeter; Cushcraft R9 Antenna (6-80 Meter Vertical); DZKit Releases its New Sedona Enclosure; Ten-Tec Announces Two New Products: Ten-Tec Model 278 Smart Memory Autotuner and Model 506 Rebel QRP transceiver (CW only 40/20m)

NOV Coaxial Synamics Model 81021 Average reading Dual Socket Wattmeter; DX Engineering UC8 Network Enabled Controller; Hy-Gain Multi-Band Patriot Vertical Antennas

Future Sources to Have New Product Announcements Published After MT:
Teak Publishing Company Blogs and
The Spectrum Monitor

Miscellaneous Stuff

JUN Wearable ARRL

Software

JAN N3FJP Logging and Contest Software

APR New go2MONIOTOR Decoding Software Released

JUN New go2MONIOTOR Release is Available v1.2

JUL DXtreme Station Log – Multimedia Edition v10.0; K1JT Releases a New JT9 Software Package

AUG Free Weather Software Available (WXWarn/WXSpots)

DEC DXtreme Reception Log

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