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## REGULAR COLUMNS

### ANTENNA TOPICS (Dan Farber/Kent Britain)

JAN	Antennas out of Wood, Ink and Plastic (Kent Britain)	
FEB	Keep it on the Down Low – Get on 160 and 80 meters (Dan Farber).	
MAR	What's My Line? Understanding Transmission Lines: Balanced vs. Unbalanced Feeds; The Miracle of Coax. (Dan Farber)	
APR	Diversity Antennas: Antenna Switches; RFID and Hi tech Pick-Pockets; Future Topics (Kent Britain)	
MAY	Improvise, Adapt, Overcome Get Creative with HF Antenna Solutions (Dan Farber)	
JUN	Chameleon Revisited: A Little More Height, Better Results (Dan Farber)	
JUL	Marvel Communications' Antenna Factory (Kent Britain)	
AUG	Antenna, Feedline and Ground Linking Our Radios to the Cosmos (Dan Farber)	

### ASK BOB (Bob Grove)

JAN	Lightning rods; Antenna Adapters; Reusing obsolete transceivers; R75 power supply;	
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	Narrow-handling and scanning; Old marine mics; Finding wireless mic interference; Cell phone bi-directional amplifiers. Public service dispatching via the Internet; Coax vs. ladder line; Do CFLs really save money; How AM stations survive; Static on 700 MHz; Why AES replaced DES; What happened to car antenna trimmers; Do all cell phone systems use 800 MHz? HD-FM signal drop-outs; PTT switch on CB sets; car antenna trimmers; International broadcasters still on 40 meter ham band; Powering desk scanner in power failure; Origins of rack dimensions; Flight levels; 800 MHz interference; Shape factors in narrow-banding VHF-UHF frequencies.	
FEB	More on railroad radio; Local-acid battery formula; PAR Enf fed vs. dipole; Transceiver for 902/1240 MHz; 4 Ohm speaker vs 6-8 Ohm speaker; FRG-100 antenna connection: high or low?	
APR	DC power lines re-examined; Eavesdropper dipole installation; Digital modulation on MURS frequencies; HF vertical vs horizontal; "Invisible fence" as longwave antenna; Alkaline battery ratings; Listening for bats and insects on 10 Hz.	
MAR	UHF/VHF mobile ham antenna and scanner reception; Improving discone scanner antenna reception; Low modulation on marine channel 72; Where are all the stand-alone DRM receivers?; Will Software Defined Radios work well in an indoor electrical environment?; Can electric fences be fatal?	
APR	Antenna for a tube-type shortwave radio; Ability of an H-900 active antenna to reduce HF interference; Best receiver for listening to Non-Directional Beacons; Best frequencies to hear U.S. hams; wall socket voltage readings; Attenuated sensitivity on AM band in receivers; Narrow-banding and Interoperability requirements regarding scanner listening.	
MAY	Stand-off insulators for 450 ohm ladder line; SDR using Windows Vista; Using CFLs in a floor lamp; Matching a horizontal loop antenna; Auto-tuning a PAR End-Fedz antenna; Ceramic vs monolithic capacitors; Improving digital reception on a scanner.	
JUN		
JUL		
AUG		

### BELOW 500 kHz (Kevin Carey)

JAN	New Year, New Horizons; Small Antenna, Big Results; Chasing
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Lofers, Tuning into Natural radio; Mailbag; Selected NDB Loggings.

FEB RDF-304 Wrap-Up; Mailbag.

MAR Bits & Pieces; A Modest LF Shack; Farewell to Beaconfinder II; basement Band Loggings; Mailbag; Hifer Beacons; A New Project; NASWA Winter SWL Fest

APR Q&As about NDBs; Mystery Signals Miskeyings; Loggings; Bendix Navigator 420.

MAY Bendix Navigator 420: Gaining Access; 472-479 kHz Ham Band; Mailbag; E1XM Update; Loggings

JUN Navigator 420 Wrap-Up; Loggings and Mailbag; Missed Approach; Kindling Some Interest; Web Outtakes

JUL Additions, Corrections, Comments and More; Loggings; Titanic Movie; Unidentified Beacon; Kindling Some Interest; Defining DX

AUG Allure of Longwave

#### BOATS (Ron Walsh, PLANES (Iden Rogers), and TRAINS (Ernest Robt)

JAN BOATS: Cold Winds, Warm Heart; Southern Exodus and Sound Bound II; Historical Marine Radio; Receptions and Targets; Amateur Radio Activity; Mail from Readers.

FEB PLANES: Getting Your Directions Straight: True and Magnetic North, Heading/Bearing, Airport Distance and Direction, VOR Radials, Clock Position and Distance, Runway Numbering, Routes, Wind.

MAR TRAINS: Infrastructure Inspection and Office Car Specials: track Inspection, Sperry Trucks, "OCS headed your way;" Background Sources; EOT and DPU Frequencies.

APR BOATS: You Never Know About Radio . . . ; Request for Information; Caribbean Marine Radio; Marine Guide; GLMMNet; Pacific Maritime Mobile Service Net; Mailbag.

MAY PLANES: Aviation-related Frequencies: NDBs; HF Aero Frequencies; The 108-117.975 MHz Band; The 118-136.975 MHz Band; Closing Thoughts

JUN TRAINS: DPUs Keep the Trains Moving

JUL BOATS: New and Old and New Again; Savannah, Georgia; Alaska; New York State

AUG PLANES: Aircraft and Altitude

#### BROADCAST BANDSCAN (Doug Smith) (even months)

FEB The AM Dial – Stations Coming and Going: Montreal 690/940; And Across the Pond . . . ; More New Stations; Non-Commercial Stations = No Commercials; FCC Still not Buying; Mailbag; Bandscan Station Report.

APR We Pause for Station Identification: What, When, How, Which; FCC Changes Stance on Moving; Time Splitting, April Bandscan Station Report.

JUN When is a Test Not A Test?; LPFM vs Translators; Tolerance; New Toronto FM.

AUG Over-the-air TV in Canada: Going, going, gone?; And in the U.S. . . ; A new kinda-DX publication: *2012 Baseball Listeners Guide*; QSL Woes; Another News/Talk Station on FM; Get'em while they're Hot!; Frequency Trumps Power?; Bandscan Station Report

#### COMMUNICATIONS (Ken Reitz)

JAN **Amateur Radio/Shortwave:** BPL: It is Alive; ARRL: 700,000 U.S. Hams; Cost of QSLing Rises (Again)  
**AM/FM/TV Broadcasting:** FCC Threatens TV Broadcasters  
**Old Spy vs. New Spy:** Russian Spies Used Shortwave Radio; Chinese Military Hacking U.S. Satellites  
**FCC Enforcement:** Pirate Cat's Monkey \$10k Fine Affirmed; More Pirates Walking the FCC Plank

FEB **Amateur Radio/Shortwave:** 60 meters Gets a Facelift; BBC's "Arab Spring" Bump.  
**AM/FM/TV Broadcasting:** Radio Seagull Test 1393 kHz; 100s of DJs Lose Jobs  
**Public Service:** Encryption Trouble in Winnipeg; AP Report: Scanning Now All or Nothing  
**Satellite:** BBG: Stop Iran Sat-Jamming; Keychain Satellites Swarm Lower Space; Russian General: HAARP Killed Phobos!  
**FCC Action/Inaction:** FCC Revolving Door Cranks Up; Broadcaster Public Files Policy to Change; Gripe, Gripe, Gripe.

MAR **Amateur Radio/Shortwave:** HAM Nation Archives on iTunes; Ham Radio: Fountain of Youth; FCC: KJES off by 21 Hz; Radio's Dark Side: Cartel Network.  
**AM/FM/TV Broadcasting:** FCC OKs Media Ownership Changes; Prometheus "Get Radio!" Effort  
**Public Service:** Experts Explain P25 issues.  
**Satellite:** AirTrans Ditches XM African Satellite Mystery; Russian Satellite Irony; LightSquared Dares FCC.  
**FCC Enforcement:** FM Pirates and Taxi Drivers Cited; CBer Cited for CB Interference; FCC Goes Clubbing in S.F.

APR **Amateur Radio/Shortwave:** FCC-2, K1MAN-1 in Confused Case; BPL Withers on the Vine  
**Public Service:** DoJ Report \$350 million flop

**Satellite:** SBCA Fights Philly Dish Ban; Web hackers Want Their Own Satellite  
**AM/FM/TV Broadcasting:** Survey: HD-Who?; First White-Fi Goes Live.  
**FCC Enforcement:** Hospital Security gets it Wrong; Lounge Jamming Keyless Locks; FCC Sweeps FL Swamp.

MAY **Amateur Radio/Shortwave:** New Law Seeks Amateur Radio Study; BBG Sells Shortwave Short (Again); Andy Sennitt Closes Media Network Blog  
**AM/FM/TV Broadcasting:** TV Spectrum Auction Uncertainty  
**Technology:** Antenna Design Resembles . . . Pasta  
**Public Service:** NYC Tries to Sell Back \$549 Million System  
**Satellite:** Solar Flare Predictor Aging; Politically-Tinged LightSquared Shambles; bChina on WX Sat Spree  
**FCC Enforcement:** The Usual Suspects; Sloppy AM Op Fined \$25,000

JUN **Shortwave/Amateur Radio:** Fred Maia W5YI SK; AMSAT Fox-1 Next to Fly; Blonder-Tongue Buys R.L. Drake Co.  
**Public Service:** WA Radio System under Fire (Again)  
**Cable/Satellite-TV:** Sirius/XM Savior new Stalker; FCC Report: Cable-TV Prices Up; Cable, OTA-TV Viewing Puzzle  
**AM/FM/TV Broadcasting:** FCC Set to OK LPRM Permits; TV on iPad: "Data & Money Guzzler"  
**FCC Enforcement:** Jersey Crackdown; Break 1-9 for Tacos in Texas; Tennessee FM Pirate: \$22k Fine

JUL **Shortwave:** BBG Reverses on China, Tibet; Edward R. Murrow Station Rededicated  
**AM/FM/TV Broadcasting:** TV Band Repacking Nightmare; Pandora: No.1 Station in L.A.?.; OTR Mystery Solved  
**Public Service:** Chicago PD Gives FCC a Grilling; Santa Cruz PD Offers App  
**Satellite:** U.S. Satellites: Two Different Worlds  
**FCC Enforcement:** Ham Gripes Finally Heard; Numbskulls on Parade; New York Crackdown; Fine Reduced in EPIRB False Alarm; Non-Com hit with \$22,000 Fine; No Staff at Studio: \$10,000

AUG **Amateur Radio/Shortwave:** RCI Shambles / Vatican Radio Cuts; BBG FM Outlets Cut During Elections  
**AM/FM/TV Broadcasting:** New WTC Broadcast Tower Readied; AT&T Presses FCC on New Spectrum; ATSC to Offer Non-Real Time TV  
**Satellite:** Spy-Sat Crumbs fall to NASA

**Technology:** Cell Tower Deaths Probed; Windular: Cell Tower Power  
**FCC Enforcement:** Pirate FM: \$10k, Snubbing FCC: \$5k; AM Op Blames Computer

#### COMPUTERS & RADIO (Brian Wood)

- JAN Ho Do Computer Chips Make Radios Work?  
APR Computers and Transmitters - SO2R: "Single Operator, Two Radios; Transmit Signal Monitors; Two-tone test oscillators; Microphone Equalizers; CTCSSDTMF Generators.  
JUL SO2R and SO2V

#### DIGITAL DIGEST (Mike Chace)

- JAN Saudi RTTY; Irish Navy Codan; Better Conditions Finally!  
FEB Spotlight on Morocco: Moroccan Army Network; Moroccan DGSN; Moroccan Diplomatic Service; Update on Mystery PacTOR Networks.  
MAR Bobobos, the Congo and another Mystery ALE Net: Max Planck Institute's HF Network; Congolese National Police; The KM3 Mystery ALE Network.  
APR KM3 ALE Net and Angolan Military MISSANG; The KM3 Mystery Net Revealed; Angolan Mission to Guinea-Bissau; More Congolese Channels; Changes at CFH Again.  
MAY Spotlight on Algeria (Part 1): Air Force; Army  
JUN Spotlight on Algeria (Part 2): Navy; Railwats; DTN (Direction des Transmissions Nationales); Oil & Gas; Police (DGSN); Customs; State Intelligence Service (DRS)  
JUL The CCIR 493-4 Selcal (and Networks You Can Hear Using It); HFOz; RadTel; VKS737 Network; Colombian Military Network; Unidentified Arab Network  
AUG Rivet and a New Decoder: The Rivet Decoder; Rivet and CCIR493-4; Algerian Army Update; Taiwanese Navy Update

#### EDITOR'S SOAPBOX (MT Editorial Staff)

- Apr Why Does the FCC Continue to Outlaw The Manufacture of Scanners with Cellular Telephone Frequencies? (Bob Grove)

#### THE FED FILES (Chris Parris) (odd months)

- JAN A Fed Files Road Trip – New York City; DoJ "25 Cities" Project Marches On; TSA Changes Continue; IBWC Agency Close-Up.  
MAR Searching the Good Search; NOAA Office of Marine Fisheries; Fed Files Wonderland – DC.

- MAY Scanning Super Bowl XLVI; The End of the IWN?  
JUL The IWN in Operation; Scanning the Diplomatic Security Service

#### FIRST LOOK/ MT REVIEW

- JAN Home Patrol "Extreme" Firmware Update (Bob Grove); PAR EndFedZ EF-SWL Antenna (Larry Van Horn)  
FEB Alinco DJ-G7T Hand-held Tri-band Transceiver. (Bob Grove); CC Gozo AM/FM Radio (Larry Van Horn)  
MAR WINRadio G39DDCe Wide-Frequency Coverage Receiver (Bob Grove)  
APR Alinco DJ-V57 Hand-held Dual Band Transceiver (Bob Grove); The Take Charge Powersavers (Bob Grove)  
MAY GRE PSR-120 Hand-Held Scanner (Bob Grove)  
JUN The Kindle Fire Tablet (Lloyd Van Horn)  
JUL Signal Hound Spectrum Analyzer / Measuring Receiver (Bob Grove); Uniden Bearcat 880 CB Radio (Larry Van Horn)  
AUG Bonito 1102S RadioJet Shortwave Receiver (Bob Grove); C. Crane Twin Coil Ferrite™ AM Antenna (Bob Grove)

#### GETTING STARTED (Ken Reitz)'

- JAN Best FTA Satellite Receiver Ever!: Manhattan RS-1933 Advantage  
FEB More FTA Satellite and Readers' Questions: Murphy Lends a Hand, LNBF Idiosyncrasies, DMX741 Performance; More Comment on Wi-Fi Radio; Chasing HD-Radio.  
MAR Free-to-Air Satellite Revisited and AM DX: Return to TVRO; Doug's AM Challenge; More AM HD DX Intrigue.  
APR A Reader's HD-Radio Experience and More; Monitoring the International Space Station; Pirate Radio Yesterday and Today.  
MAY Living the Very Limits of Your License Class: Technician Class Rigs; Technician Class Antennas; SWL to Tech Op in Weeks  
JUN Resurrecting a 2 Meter HT and Logging TVDX  
JUL C-Band FTA: How small can you go?  
AUG The Curious World of HF Pirate Radio

#### GLOBAL NET (Lloyd Van Horn)

- JAN Do you really need a tablet?  
FEB Radio Doomsday? The end of the world online – Mayan style; Praising the Antenna'; GlobalNet Mailbag.  
MAR Cutting the Cable – Streaming Video: How has the Streams? Netflix, Hulu, One, Other

- APR Services, Devices to consider, Mobile Devices.  
APR Remote Roundup!; Spring Cleaning in the Mailbag; A Google Streaming Device.  
MAY New Ways to Talk Amateur Radio; WWW Dot Breaker 1-9; Royalty Debate Rages On; GlobalNet Mailbag.  
JUN Island Trippin'!  
JUL Feeling Fried? Maybe it's not just the heat . . .; Epix Coming to Apple?  
AUG It's Convention Time!; Amazon Comes to Xbox 360; Verizon FIOS ups the ante on internet speeds; Everybody's a Streaming Expert; Jango?

#### LETTERS (To the Editors)

- JAN Thanks for Your Feedback; Satellites and New Tech; Views From an Old-Timer; Shack Cat; Weather Radio Tip.  
FEB Happy MT Readers / Listeners; Weird Antenna; Railroads; Vintage with a Vengeance; Good-Bye to Bert.  
MAR Can't Get Enough Oldies; AM Radio Companion; Whats That Station?; Who is Killing AM Radio?; Baby Boomer Radio; Air Show Addenda.  
APR Encryption and Public Safety  
MAY Old Service, New Thrills; Free to Air  
JUN Fred Maia W5YI; ISS Packet; MT Express on Kindle Fire; The Changing Scene in AM  
JUL Scanner Squeeze; There oughta be a law; A better way to read EDACS; CW in the Movies: In Recognition: Rachel Baughn, MT Managing Editor 30 year anniversary celebration  
AUG RTTY Memories of VOA; Railroads and Districts; RCA Model 86T-1; Aero Listening from Wyoming

#### MILCOM (Larry Van Horn)

- JAN Monitoring NORAD and Combat Air Patrols; ARTCC Update: Jacksonville and Miami ARTCC.  
FEB DoD Challenges and Changes: Milcom Spectrum Holes; New Names for old DoD Bases; Milcom Frequency Updates / Changes; New U.S. Air Force Callsigns; Navy MARS Changes Frequencies.  
MAR Monitoring the Air Show Experience Equipment and Tips; Air Show Resource Guide.  
APR Changes in the Weather; USAF Red Flag Frequencies; The Last Deployment Workup – USS Enterprise COMPUTEX/JTFEX; ARTCC Update: Memphis and Houston ARTCC.  
MAY New Data on DoD Trunk Systems: AF Space Command Nationwide System; Eglin AFB Trunk Radio System; Fort Benning/Camp Merrill Range

JUN Training Trunk Radio Network; ARTCC Update: Fort Worth Requiem for HF at Malabar; Potomac TRACON Frequencies; ARTCC Update: Kansas City ARTCC

JUL Who ya gonna call? A Navy RDC!: Navy ELMR; Navy Southeast Region TRS

AUG Naval Region Southwest Radio System: ARTCC Update: Chicago ARTCC

#### ON THE BENCH

JAN Satlink Satellite Finder: FTA'ers Friend (Mario Filippi)

FEB Over the Air TV DXing in the Digital Era (Mario Filippi)

MAR The Tinkerer's Best Friend – The Portable Power Station (Mario Filippi)

APR The Stealthy World of Indoor SWL Antennas. (David Payne)

MAY Three Generations Tackle a Smoked Heathkit (HW-100) (David Payne)

JUN Rechargeable Battery Pack on a Shoestring Budget (Mario Filippi)

JUL A Camping DXpedition – Part 1 (David Payne Sr.)

AUG A Camping DXpedition – Part 2 (David Payne Sr.)

#### ON THE HAM BANDS (Kirk A. Kleinschmidt)

JAN Of Mics and Men: Transmit Audio, Part 1: Microphones 101: Reader Comments about Open-Wire Feed Line.

FEB The Great Paper Chase: Old Timers Call It Wallpaper, A Variety of Sponsors, Where to Begin.

MAR One Monitor to Rule Them All: 28-inch Hanns.GHZ281 LCD computer monitor.

APR Amateur Radio Podcasting Broadcasting Come Full Circle

MAY 60-Meter Madness!

JUN Special-Event Certificates: More Wallpaper for your Shack

JUL Ham Radio: Killer Fun for Everyone

AUG Of Mics and Men: Transmit Audio, Part 2 (Part 1 in Jan 2012)

#### PROGRAMMING SPOTLIGHT (Fred Waterer)

JAN Deutsche Welle – Back to the Future, The Sceptred Isle, Dad's Army; Polish External Service; So you want to be a Foreign Correspondent . . . ; Back to Russia . . .

FEB Cruising around the Dials: Africa, Ireland, The Navy Lark; Recommended Listening; The Immortality of Broadcasting.

MAR Alternative Talk Radio: Alternative Programming Sources; Talk is Cheap; It's All Greek to Me; YouTube.

APR Quick Trip around Eastern Europe: Albania, Bulgaria, Czechoslovakia; Hungary,

MAY Poland, Romania; Whats New; Whats Not So New; Programming Spotlight Time Machine; A Titan Event.

MAY May Flowers and Music: Eurovision Song Contest; Summer Programming; Music to My Ears; Radio Romania International; Radio Japan; WYFR; Voice of Russia; Back to the Archives . . .

JUN Radio Canada International's Last Hurrah? PCJ Media; Speaking of History . . . ; WEWN Marks 20 years of broadcasting

JUL Spotlight on Asia; Switzerland in Sound; Canada Day; Yugoslavia; European Monetary Crisis

AUG Summertime and the Livin' is Easy: Diamond Jubilee; Radio Tirana Today; RCI Requiem; RFI=Radio France Internet?; Germany to Africa; Rest in Peace, Mr. Trololo

#### QSL REPORT (Gayle Van Horn)

JAN Bringing Blue to the World

FEB Rhein Main and Special Event QSLing

MAR ODXA Announces New QSL Manager; New Peruvian Stations: Aroma Café Radio and Radio Universal; Bill Plum's DX Stamp Service.

APR Staying up to date a major key to QSLing.

MAY ARRL and CQ Sign Awards Agreement.

JUN Anniversary and Field Day QSLing

JUL Firecracker Special 2012

AUG RFA Offers the Olympic Panda

#### RADIO RESTORATIONS (Marc Ellis)

JAN Military Telephone Instruments: Headsets, Microphones, Sound Powered Phones, Loudspeakers; From the Readers.

FEB Aligning the Meissner "Broadcast 7"; From the Readers.

MAR Buttoning up the Meissner "Utility" Broadcast Set.

APR Starting Up a Vintage Radio

MAY Signal Tracing and Signal Injection

JUN Troubleshooting Continued: Voltage Checks

JUL We Find an Arvin "Metal Midget"

AUG More on the Midget Arvin and Sets You Don't Want to Plug in!

#### SCANNING REPORT (Dan Veeneman)

JAN Terrestrial Trunked Radio (TETRA)

FEB The Benefits of Sharing: DuPage County, Illinois; Los Angeles, California; Meriden, Connecticut.

MAR Scanning the Pacific Northwest: Tacoma-Puyallup, Seattle; Control Channel Only; Unified Regional System.

APR Sun Setting on EDACS: Montgomery, Alabama. EDACS End of Life; Project 25; New Montgomery System;

MAY Montgomery EDACS; Iowa; Florida SLERS; Walton County, Florida.

MAY Not All Change is Bad: Frederick, Maryland; Baltimore County, Maryland; State of Maryland; Dayton Hamvention

JUN Responding to Reader Request: Bayville, New Jersey; Santa Fe, New Mexico; Eastern Alabama.

JUL Responding to Reader Request: Harbor Springs, Michigan; Wisconsin (Monitoring WISCOM); Rock County, Wisconsin; Leon County, Florida

AUG Decoding Digital Data; Charlotte-Mecklenburg County, North Carolina; Encryption Weakness

#### SHORTWAVE GUIDE (Gayle Van Horn)

JAN English (24 hours); Chinese 0000-1400 UTC

FEB English (24 hours); Chinese 1400-2300 UTC; Spanish 0000-0600 UTC

MAR English (24 hours); Spanish 0600-1600 UTC

APR English (24 hours); Spanish 1600-2300 UTC

MAY English (24 hours); Portuguese 0000-1200 UTC

JUN English (24 hours); Portuguese 1200-2300 UTC

JUL English (24 hours); Arabic 0000-1800 UTC

AUG English (24 hours); Arabic 1800-2300; Chinese 0000-1100 UTC

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

FEB HAMSATS: Spotlight on VUSAT OSCAR 52 (VO-52); ARISSAT-1 Update; AMSAT's Next project; Fox Details; Looking Ahead.

MAR RADIO ASTRONOMY: Adventures in Amateur Detection: Are There Pulsars in Your Future; Cosmic Ray Telescopes; Meteor Shower / Solar apps for the iPhone / Android; Name That Array; Some Radio Astronomy Reading; GPS Service Degradation on demand; Radio Jove Update; Radio Astronomy in the Movies.

MAY HAMSATS: Spotlight on UoSAT-2 (UO-11); AO-51 Goes Silent; The Demise of ARISSat-1; AMSAT's Next Project: FOX

JUN RADIO ASTRONOMY: Radio Telescope Concepts: The RFSpace SDR-IQ DSP Receiver; ARGO Weak Signal Software; Denver Radio Astronomy Site; Radio Astronomy in the Movies

AUG HAMSATS: A Flock of Other Amateur Radio Satellites: An Aging Fleet; The Cubesats; PW-SAT; DO-64 (Delfi-C3); FO-69 and FO-70 (Fastrac 1 and 2); AO-70 (AbleSat-1); Project FOX Update; Looking Ahead

#### UTILITY WORLD (Hugh Stegman)

- JAN Russia Spy Caught Decoding Numbers; The Last Frontier: VHF Lo.
- FEB The Beginners Guide to Funny Noises: Codar, Chirpsounders, Over-the-Horizon Radar, Equipment Malfunctions; The HFGCS Phaser; Eight Niner Eight Niner.
- MAR Polytone and Espionage - Some Questions Answered: Spies and XPA; Digital Selective Calling; Taiwanese Fishery.
- APR CFH Weather Broadcasts Return – For Now: Canadian Maritime Publications; Changes at 4XZ; WRC-12 in Progress; Sea Surface Radar; 600-Meter Amateur.
- MAY WRC-12: New Amateur Band and More; More DSC; Number Tidbits
- JUN Numbers: The Strangeness Continues: EV01; The Big Buzz
- JUL WRC-12 Defers “Leap Second” Decision
- AUG Beating the Short Wave Summer Time Blues: Grey Line Propagation; Hurricane / Tornado Season, New Orleans FAX Change; Boston Ice Chart Change
- Defined Radio (Print Book); Hints and Kinks for the Radio Amateur (Print Book); Pacific Radio Listener Guides (PDF books)*

#### Equipment

- JAN Grundig S-4500LX Field Radio
- FEB AOR ARL2300 Ethernet Controller; Uniden BC125AT Hand-Held Scanner
- MAR Epic Emergency AM/FM Weather Radio; Upgrades for Legendary AR8200D; Comtek W2FMI Series Balun.
- APR Alinco DJ-G29T Hand-held; Stealth Antenna System (DX Engineering)
- MAY InnovAntennas Appoints First American Dealer; DXE-UT-KIT2-D (Coax Prep Kit); DX Engineering Aluminum Tubing
- JUN DX Engineering Clamps
- JUL Icom America Hamvention Exhibits: ID-31A; IC-2300H, RS-BA1
- AUG New Kit and Book Released by the Xtal Set Society; DX Engineering Tilt Base

#### Software

- JAN Streaming App for the iPod / iPhone
- FEB DXE QSL Scanning Kit (DX Engineering)
- APR DXtreme StationLog – Multimedia
- AUG The ARRL Software Library for Hams

#### **WHAT'S NEW (Larry Van Horn)**

##### Books, CDs and eBooks

- JAN *The ARRL Antenna Book* (Print Book); *The ARRL Handbook 2012* (Print Book)
- FEB *How to Listen to the World* by Ken Reitz (Kindle eBook)
- MAR Mifty New Scanner Mini-Manuals: Uniden BC-396XT/996XT (Print Books); *2012 World Radio TV Handbook* (Print Book); *Klingenfuss 2012 Shortwave Frequency Guide* (Print Book)
- APR *Using Your Meter, 3<sup>rd</sup> Edition* (Print Book)
- MAY *Modern Communications Receiver Design and Technology; Emergency Power for Radio Communications* (Print Book); *Getting on the Air with HF Digital* (Print Book)
- JUN Profiles in Amateur Radio (Kindle eBook); Air Show Issue in Kindle Format (Kindle eBook); *Images of America-Bay Area Radio* (Print Book); *Utility DXing – A Primer* (Print Book)
- JUL Teak Publishing Releases Kindle Book: *QSLing the World* (Kindle eBook); *2012 Baseball Listener's Guide* (Kindle eBook); *Police Radar Operator Error* (Print / Kindle eBook); *Just the Fax!* (Print Book); ARRL Digital QST Now Available; The ARRL Film Collection (DvD)
- AUG *Introduction to Amateur Radio Astronomy* (Print Book); *The ARRL Repeater Directory® - 2012/2013 Edition* (Print/CD Books); *The ABCs of Software*