

Monitoring Times 2008 Index

FEATURES

Broadcast

High school radio stations JAN
RAE Goes Gold FEB

Nostalgia/Human Interest

A Shack of My Own FEB
Exchanging Words: WW II FEB
Signal Reports FEB
Art Bell: A Voice in the Night APR
MW DXing Retrospective APR
Morse Code Still Fun MAY
QSL Card Legacy JUN
Relive WW II via Radio JUL

Scanning:

Monitoring Chicagoland's Airports MAR
The Annual MT Air Show Guide MAR
Welcome to Silicon Valley JUN
I Just Want to Listen to the Police JUN
Heart of Dixie, Montgomery AL JUL
Scanning Lake Lanier JUL
Illinois StarCom21 State System AUG
What's in the Back Room? AUG

Technical

Power vs the Planet JAN
Surround Sound for DAB Radio JAN
Summer Propagation Outlook APR

Utility

High-Flying Hams MAR
Working the World with
Ham Digital Modes MAY
This Ham's no Pork (ham license) MAY
Taking the Technician Exam MAY
Fun with Emergency Comms MAY
Hamfests and Moon Pies JUN
Citizens Band at 50; still useful AUG

AMERICAN BANDSCAN (even months)

FEB FM, FM Everywhere (non-commercial stn filing window results); WNYZ TV station on radio?; IBOC
APR TV: Countdown to Digital; More AM-FM conversions in Canada; Northernmost and Southernmost stations; Station testing on 1680 kHz
JUN Minimalist DXing; Powerful Graveyarders; MO-to-OH move off; CBA-1070 move complete; Another type of mystery signal; Pioneer AM towers demolished; FM HD power increase?; DTV converter boxes
AUG What's in a Callsign? Digital Radio News; Digital TV News; CBA-1070 gone; CBU-690 not going away; Going and away-- and popping up elsewhere

ANTENNA TOPICS

JAN Antenna polarization and practical implications
FEB Horizontal Antennas vs Vertical Antennas

MAR Antennas and the US Navy; Build a whip monopole
APR Notes on the Development of Antenna Technology: Concept of Fields; Early Antennas; Parasitic Beams; Phased Arrays; Long-Wire Beams; Horns; Potpourri; Future
MAY Sub-Surface and On-Surface Antennas; Let's make some
JUN Emergency Antennas a.k.a. Field Day Antennas
JUL A Portable, Non-Directional Antenna for VHF-UHF

ASK BOB

JAN Is gov able to monitor all cell phone conversations? Antennas for tube SW radios? 5-ft antenna can't hear WWV. Scanner Beam OK for transmitting? Are aero digital links encrypted or on satellites? Why same filters for different bandwidths? Do electrical utilities still use power line communications? Why the poor SWBC reception?
FEB What happened to preamps? Discone okay for CB? What are sat dishes for at gas stations? What freqs do police patrol car video cameras use? Hearing music from CD players on FM radio; Clothesline poles work for SW dipole? IC-R75 has static on tropical channels.
MAR Discone okay for TV DX? Antenna for marginal NOAA WX reception? Grounding on lightning arrester w/o bus bar? How do know if gas-discharge arrester hit by surge? When replace?
APR Modified scanner doesn't pick up cellular; calculating impedance of long wire; What happened to Gilfer Assoc? PAR attic-mounted wire vs outdoor wire? digital TV reception with converter? Does paint harm antenna? What is this antenna?
MAY Speed of electrical current? How do light-weight battery chargers work? Antenna to improve 800 MHz digital reception? How to ground apartment radios? Best transformer for Jacob's Ladder? What is this family heirloom vacuum tube?
JUN How do CFL bulbs compare with incandescent? Can beam null out nearby repeater? How did 3-wire railroad circuits work? Why do I hear Howard Stern on car radio? Can I modify portable radio to receive local wx? Can I add elements to ScanTenna? Do domestic stations QSL?
JUL What's happening to standard TV on Feb 17, 2009? What freqs do

new digital channels use? What's future for 700 MHz two-way channels? Was it popular to listen to public safety on tube radios? Will preselector help electrical noise on indoor antennas? Formula for figuring scanning distance? How did early networks share programming? What is "squawk frequency"? Why don't birds get electrocuted on power lines?
AUG Anyone still make coil-wound radio backs and what freqs were they for? Solution for local AM overload? Difference between tuner and preselector? Good coax cable vs audio cable between CD player and amp? two-way comms in 700 MHz range; Use a wok for a dish antenna?

BEGINNER'S CORNER

JAN Resolved: Use Less Power
FEB Small Dish Satellite TV Options
MAR Readers Write: No-tower antenna tower; HDTV reception; WX Radio DX
APR Getting Started with a New Language (ham QSOs)
MAY 10 Meters: Beginner's HF Wonderland
JUN Digital Off-Air TV Explained
JUL Off-the-Shelf Antenna Building Supplies
AUG Tuning in to the Other Satellite Radio (DIY Big Dish and Ku)

BELOW 500 kHz

JAN News and Views; ITU Conference; Loggings and letters
FEB Loggings Bonanza; ARRL News
MAR Focus on New England; Locating Your Catch; BeaconFinder II Update
APR The Range in Retrospect
MAY Asian Loggings, Q&A; PA Police on Longwave? Asian Intercepts
JUN Warm Weather Tips. Mailbag. Beacon loggings at sea.
JUL Digging Deeper. Info from IDs; info on calls, using harmonics on FAA beacons, better reception tips; New England updates
AUG Essentials for LW Success

BOATS, PLANES, and TRAINS

JAN BOATS: Winter on the Water: Low Freq DX, Historic KPH/KFS rejuvenated; British Columbia; Cruising the East Coast; Challenges
FEB PLANES: Radar, ADS-B, and the Future
MAR TRAINS: New Safety Provisions= New Radio Messages; Main Line Switches; Derails; Named Control Points

APR BOATS: Navtex in Kingston; HF Monitoring; Local Happenings

MAY PLANES: Aviation Weather for Aircraft Listeners: VHR and IFR; ATIS/ASOS/AWOS; Flight Delay Info; EFAS "FLight Watch"; PIREPS; PMSV Metro; HIWAS; Active Runway; Liver Reports

JUN TRAINS: Joining Up with Operation Lifesaver; Special Agents; Blue Flags

JUL BOATS: Radio, Cruises and Photography. St Lawrence Seaway; Arctic HF; West Coast; Amateur Radio

AUG PLANES: Airline Company Frequencies

COMMUNICATIONS

JAN AMATEUR: Amateur, SW, and C-band at WRC-07, Motorola acquires controlling interest in Yaesu, new IARU Reg 2 coordinator; BROADCAST: Are we watching HDTV yet? FCC encourages LPFM. PUB SAFETY: Cell phone jamming; dispatcher to scanner-land; missing police cruiser; radio towers help save boaters. CONSUMERS: Coby Electronics payer recalled, Toshiba recalls AC adapters, Consumer Reports on HDTV sets

FEB Royalties Bite Internet radios; Phone-base radio; hams and winter storms; storm trims antenna; Back-ups work at Logan airport; Idaho agencies go to satellite; GPS wars EU vs US; FracFM antennas; homebrew saves county \$15k; DIY cops in trouble; scanner listeners help nab suspect; VIPER systems helps capture suspect; WRC-07 on DRM; ham DXing news; IBOC interference complaint

MAR AMATEUR: Cycle 24 Begins; OR gov backs ham net. BROADCASTING: Radio Piracy on Rise; \$40 DTV Coupon; Sat radio/HD radio hype. PUB SAFETY: Last Ditch Interop; Russian GPS; GPS-equipped idiots. TV: Plasma/ LCD screens obsolete?

APR SW: WWVH Makeover. BCing: Retailers Cash in on Converter Rebates; Public BCing Cut; Japanese Queasy over HD. PUB SAFETY: Copper Theft Global; More on NY M/A-COM Flop; Sheriff's radio on-line. SAT: HITS Switches to C-band; Spy Sat deorbit. GPS: Armchair Bear Tracking; Empire State Bldg Mystery Zone

MAY SW: NASB-DRM Confab. BCing: HD-Radio Engineers Go Old School; Satellite Radio. CONSUMER: Good-bye to Portable Analog TV Sets. PUB SERV: Scanner Listener Busts Crime; District's DHS Loses Radios. FCC: Cell Cos Balk at FCC Back-up Rule; Lame

JUN Excuse Pirate Fined. GPS: Bear Swipes Goat's Tracking Collar SW: VOA & RFA BC to Tibet; League Slams BPL Hype. BCing: BC Stations Increasing; Denver's 10-yr Wait for DV; Star-Crossed Towers; Digital Conversion Madness. PUB SERV: FCC Auction Questioned. SATS: DOJ OKs XM/Sirius Merger; Russia to Build High-Power Bird; TV Satellite Short of Orbit. FCC: Enforcement Criticized by GAO; CB Shop Busted; Sign-Off Relief; Expensive Light Bulb. NOSTALGIA: 60s Pirate to be Movie Theme

JUL SW/AMATEUR RADIO: Alaska to Test DRM; RFE/RL Complain of Cyber Attacks; BPL Declared DOA in Dallas; CA Nixes Cell Phone Directory. PUBLIC SERVICE: "Rear-view" cameras pick up private channels; RF-proof schools. AM/FM/HD RADIO: NPR's "War on LPFM"; FCC Guidelines for public. SAT TV/RADIO: Satellite Radio Merger; In-Flight WiFi services. FCC ENFORCEMENT: Antique Radio Collector Fine Upheld; Inept Owner Gets Fine Reduced; Phone Solicitors Liable; FCC's Chair under Scrutiny

AUG B'CASTING: Calif Pirate Gains Following; Webcaster Gets Callsign. LPTV Stations Benefit; ESPN Radio Offers HD2 Programming. PUB SERV: Digital EAS; Ham Aids in Rescue. GPS NEWS: Court OKs GPS Tracking; OnStar Finds Funeral Car; Comms with the Dead; EPIRBs in the News. DTV Transition: Transition Confusion; Indoor TV Antennas. FCC: Unlicensed AM Transmitters; CBer Guilty and Broke

COMPUTERS & RADIO

JAN Free Radio Toolbars: Hamlink and HamInfoBar

FEB Free help for internet explorers: Site Advisor & Sandboxie

MAR Seeing more with MaxiVista

APR Cool is Hot (PC Wizard 2008; Antec Notebook Cooler); Extolling great customer support (Yaesu)

MAY Evaluating Four Laptop Coolers (iXoft Laptop Cooling Pad, Belkin F8N044 Cushtop; Antec Notebook Cooler; Zalman Notebook Cooler ZM-NC1000)

JUN WorldStation V4.2: Part 1. A Program Worth Buying?

JUL Worldstation V4.2: Part 2. Multiple Radio and Remote Operations

AUG Radio Control via Voice for \$10?! (VR Commander)

DIGITAL DIGEST

JAN Brazilian Navy Update; spectrum analyzers

FEB Analyzing PSK with the Hoka Code300-32; Mexican PEMEX Oil and Gas ALE Networks

MAR Easy Catches for Beginners (7 oldie but goodies); Digital Bandscan (9000-9200 kHz)

APR Russian Forces Signals: LP90 and MH90 net; PR0nn net; STANAG4197 voice modem; Russian mil sigs on rise; Digital bandscan (5100-5300kHz)

MAY

JUN

JUL Brazilian Navy Digital System. Bolivian Anti-Drug Units; Digital bandscan (16,000-16,400 kHz)

AUG MARS on Earth: Navy, Army, Air Force. Rare VFT Back on Air; Rare Saudi ARQ-E System

THE FED FILES (odd months)

JAN TOPping OFF the New Year (TOPOFF exercise); Fed Freq sources; What is an NAC? Atlantic City Fed scanning; Federal Reserve System radios

MAR To Your Health! (Health & HumanServices); Chicago Scanning Update; Federal NAC Information (BATF, CBP, DEA, FBI, SS, TSA)

MAY US Coast Guard's New VHF Channel Lineup. Monitoring Super Bowl XLII

JUL More on Federal Interoperability. The "25 Cities Project"

FIRST LOOK

JAN HD Radio Round-Up (comparison of all 7 HD radios)

MAR The GRE PSR-200 desktop/mobile scanner

APR The Tangent Quattro Table-Top Internet Radio

MAY West Mountain Radio RIGBlaster Pro digital interface

JUN GRE PSR-600 - A Lot of Scanner for the Money

JUL Sangean WFR-20 Wifi Radio

AUG Butel ARC-500 Software

GLOBAL FORUM

JAN No More Freqs for SW Broadcasting (WRC-07)

FEB DRM to Invade Tropical Bands

MAR VOA Special English Changes Word List

APR Another SW Stations Coming to Tennessee

MAY The Curious Case of Radio Solh

JUN Implications of Chinese Jamming

JUL Remember to Call Her Deborah (Deborah Ray, once Dody Cowan)

AUG Singapore Shutting Down Station; More Stations Imperiled

GLOBALNET (new column)

APR Welcome to the Exciting World of Internet Audio and Video; Worldwide broadcasting; web portals; more than just broadcasters (countries on the internet; internet resources;

"Coast to Coast" streaming on the internet
MAY VoIP and Ham Radio: IRLP; WIRES-II; eQSO; Echolink
JUN Scanner Monitoring on the Internet: Equipment; Scanner Portals; Teamspeak; Shoutcast. Reader Feedback.
JUL Monitoring the Aero Bands via the Net; World Wide Internet Television
AUG Monitoring the World of Weather

LETTERS

JAN New Comm editor; no offense intended (Nov cover); new NRC address; data on digital TV; a grateful Canadian
FEB Reader Challenge; Powel Crosley correction; Keep Historical articles; Cedar CA Fire Rubber-Tired Trains? Kudos; Battery Charger Caveat; Leave it on in Winter; New batteries and homebrew tubes; Elusive interop
APR Introducing GlobalNet; Use Less Power; Guam LDOC; RDFing a "terrorist" on FRS; Cycle 22, How Good Was It?
MAY MT's amateur radio edition; Grove/MT donation; MT at NASB; Corrections; High flying ham
JUN A Challenge to Digital Geeks; Two Questions about Digital TV; Rant and Rave; Great Propagation; PSK - It's a Community
JUL MT at NASB, Excerpts from NASB; May issue Kudos; Antec Notebook Cooler; How I Found MT Express; Art Bell Fan; Used SW Receiver needed
AUG Thanks for your Generosity; John Musgrave's Adventures with the Bionic Ear

MILCOM

JAN 380-400 MHz LMR Frequency Update; US Army Trunk Systems (part 2); HF Military freqs
FEB Monitoring the Jacksonville ARTCC; New York ARTCC; Air Force Tanker Callsigns
MAR Milcom Mail Call: Ft Campbell KY; Hill Air Force Base UT; New Boston gone digital; Milair Spectrum Hole IDed; McChord AFB TRS; Unknown DoD EDACS in Louisiana
APR Monitoring South Florida Milcom; Russian Navy Freqs; SkyNet 5B on the Move; NAF Atsugi Japan; Jacksonville area LMR Trunk Systems; Hickam/Pearl Harbor Freqs; New Zealand/Australian Military
MAY Milcom in the Pacific Northwest: Dod Enterprise LMR system in Washington state, repeaters and talk groups
JUN Thunderbirds Use New VHF Frequencies; UHF Frequencies Change at Boca Chica; More Frequency Changes; HF Military Frequencies (worldwide)

JUL Monitoring Montgomery Military: Maxwell ADB, Alabama Air National Guard. Civil Air Patrol Update; New LA Air Force TRS; Camp Atterbury IN Frequency Profile
AUG Monitoring the Hurricane Season: Aircraft; Katrina; Freqs/Callsigns

MT HELP DESK

JAN What are the new government land mobile band plans? (VHF-lo, VHF-hi, UHF sub-bands)
FEB Recording freq with audio; scanners allowed at Nellis AFB? Why new signals suddenly heard? Hoe to monitor FSK or PSK on scanner. Website to ID ALE addresses? Will there be a scanner for OpenSky systems? What service is on 5550 kHz USB?
MAR Problems programming BCT 8 for 800 MHz Type II; Corpus Christi signal on 408.325 MHz; Aviation reference to "crossing Magic"?

MT REVIEW

JAN The LaCrosse BC-900 smart battery charger
FEB COAA software: OrbcommPlotter & PlanePlotter
MAR COAA software: Radio Clock and BeaconSee
APR Com One Phoenix Portable Internet Radio
MAY AOR AR-ALPHA Wide Coverage Receiver
JUN Diamond Cut DC7 audio software - Working digital magic on analog audio. Part 1 - recorded audio/vinyl records
JUL Using Diamond Cut 7, Part 2 - Live Audio Clean-Up

ON THE BENCH

JAN Recycled Technology: reusing a case
FEB A Simple Shortwave Tuner Project
MAR Antenna Switch
APR Calibrating Azimuth Mounts Using Solar Shadows
MAY SAFETY- Priority One!
JUN Field Day Bonus Project: "Twin-Tee" audio oscillator
JUL Kick the Headphone Habit with Bluetooth
AUG Assemble Your Scanning "Go-Kit"

ON THE HAM BANDS

JAN Back to Basics in '08 (ARRL Low Power Communications) with 40-m CW Cub tx kit
FEB Do You Know How Much You Know? (test yourself); amateur radio continuing education
MAR GRAB and GO!
APR Teeny Weeny Two Band Transmitters; Book of the Month: GPS and Amateur Radio
MAY A D-STAR is Born
JUN Field Day Dividends

JUL Make Your Fest a Festival (tips for a better hamfest)
AUG Helping Those Who Helped Us Along; Book Review

OUTER LIMITS

JAN Weiner Clarifies Stance on Pirates; NY Pirate holiday; Clandestine in English; Indians and Yankees
FEB East St Louis Toodle-oo; ACE clarifies new web site; 1181 kHz carrier; Belfast zip code
MAR Pirate Busts Hit All-Time High; two non-FM FCC actions
APR Voice of the Voyager, a Pirate Radio Pioneer; FM Pirate Bust; Laryngitis Web Site; 1181 kHz Carrier; Another Odd Signal; Colin Dixon Passes
MAY Massive Pirate Radio Bust; Odd South Pacific Signal; Voice of Mojahed; Omaha FM Pirate; Int'l Radio Report; Family Radio Relay? On the Shortwaves website
JUN *Pirates Week* Podcast from Ragnar Radio. Pirat Radio Film; Barretina Website; FCC Cancels \$10,000 Fine; BLANDX Updated
JUL Strom Gets 23 Months in Prison
AUG Atlanta Braves Baseball on Pirate Radio Stations; Pirate Transmitter Web Site; Radio Barretina Closes; Retirements; Clandestine Radio Watch

PROGRAMMING SPOTLIGHT

JAN Russia: A Re-emerging Super Power
FEB Canada, Eh?
MAR A Trip to Germany, Austria, and Switzerland
APR All that Jazz: Poland, Germany, Russia, Australia, United Kingdom, China, Canada, United Statesw, Cuba. Update on Language Lessons.
MAY Science in the Spotlight: CBC, Radio Australia, DW, Radio Netherlands, Radio New Zealand, Voice of Russia, BBCWS, Various
JUN Small Nations, Booming Voices: Radio Prague, Radio Sweden Intl, Radio New Zealand Intl; Genealogy on your Radio; Voice of Russia, "Me and My Family"
JUL Sounds from "Downunder" - Radio Australia and domestics
AUG Rock and Roll Music: Old Time R&R; More than Just Oldies

QSL REPORT

JAN The Future of QSLing (e-methods)
FEB It's About Time - QSLing Time & Freq Stations
MAR Transmitter Chasing
APR Staying Current with QSLing Trends
MAY Summit DXing for the Mountain Goats and Sloths; Islands on the Air; ARRL Logbook of the World
JUN New Cards in Queue

JUL Hot July QSLing (logs only)
AUG The Lure of the Lonely
Lighthouse

numbers thunder in the morning;
Is Cycle 24 a Dud?
AUG Everything You Wanted to Know
about Cuban "Numbers"

RADIO RESTORATIONS

JAN The BC-348 Begins to Talk
FEB The BC-348 Awakens - Sort of
MAR Aligning the BC-348
APR Finishing Touches for the BC-
348; From the Readers; A
Remarkable Video
MAY The BC-221 Frequency Meter -
Our New Restoration Project
JUN Reading the BC-221 Frequency
Dials
JUL Power for the BC-221

SCANNING REPORT

JAN Resolve to Scan Something New.
Rushville IL; Illinois StarCom21;
Illinois state police; additional IL
resources; BC245XLT; Scanner
programming and control; Atlanta
GA
FEB Scanning in Wisconsin: Racine,
Muskego, Waukesha Co;
Trunking Types; Radio
Frequency Lists; Bearcat
BC796D; Mower Co MN
MAR Radio Scanning, Limited. Salem
OR police scanning (freqs and
equip); Peoria Co IL chooses
OpenSky system; PA, NY,
Oakland Co MI OpenSky
systems
APR How to be a Frequency Sleuth:
Clovis CA; Jasper IN; Dakota Co
MN; PRO-2055 scanner
MAY The Changing Scanner
Landscape: New York;
Montgomery County TX;
Longview TX; Clarksville TN;
Dayton Hamvention
JUN Scanner Mismatches:
Connecticut; Florida; West Bend
WI
JUL The Pros and Cons of Older
Scanners. Ontario Canada; Ohio;
Listening to more than public
safety; Nassau Co NY
AUG Open and Closed Mode
Scanning, Control Channel Only;
Pinellas Co FL; Virginia

UTILITY WORLD

JAN Tugs to Teleprinting: 21st
Century Maritime Radio -
Crowley Maritime, 500 kHz
Morse, KKL
FEB No HF Changes at 2007 Radio
Conference (4-10 MHz decisions;
maritime services; other new
amateur bands); Winter is
Beacon Time!
MAR Get Ready for Solar Cycle 24!
Cuban RDFT is Back
APR Acarsd: Tracking Aircraft with
HF DL
MAY US Coast Guard Continues HF
Weather
JUN USCG Information Schedule;
Good-bye USCG Telex; Hello
eLoran; New US military Contract
JUL CAPS: Fly through the
Ionosphere with Me. Cuban

WHAT'S NEW

Books, CDs

| | |
|---|-----|
| ARRL Handbook | Jan |
| ARRL Hands-on Radio Experiments | May |
| ARRL HF Digital Handbook | Feb |
| ARRL Instructor's Manual | May |
| ARRL Low Power Comms | Jan |
| ARRL VHF Digital Handbook | May |
| DSWCI Domestic BC Survey | Jul |
| Klingenfuss Radio Data Code Man | Aug |
| Klingenfuss Shortwave Freq Guide | Mar |
| Klingenfuss Super Freq List on CD | Mar |
| Passport to World Band Radio | Jan |
| Pennsylvania Train Stations DVD | Jan |
| South Florida Frequency Guide | Apr |
| Starting Your Career in Broadcasting | Feb |
| The Great Radio Sitcoms | Jun |
| World Radio TV Handbook | Mar |
| Xtal Set Society newsletters | Jan |

Business news, Software

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|-----------------------------|-----|
| ARRL National Exam weekends | Feb |
| Hamcalc | Jun |
| Logger 32 | Aug |
| MultiPSK 4.9 | Aug |
| Sunair/FlexRadio Agreement | Feb |

Equipment

| | |
|---------------------------|-----|
| Bearcat BC-95XLT Scanner | Feb |
| Icom IC-92AD VHF/UHF Tx | Apr |
| Icom IC-7200 HF+6m Tx | Jul |
| Yaesu FT-950 HF/50 MHz Tx | Feb |
| Yaesu VX-8R HT | Jul |