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 FEB DXer Mika Palo, Helsinki, Finland  
 MAR Moody Broadcasting Network; Bose  
 "Wave" Radio  
 APRIL WOJB-FM 89, Wisconsin  
 MAY The Summer Sporadic-E

## Season

JUNE Duopolies and DXing  
 JULY TROPO Brings in TV & FM DX  
 AUG Low Power TV Stations  
 SEP WOW, Omaha  
 OCT Winterizing  
 NOV Notch filters for good DX  
 DEC Shopping for DX Receiver

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JAN The Earth's Effects on Antenna Performance  
 FEB The Half-Rhombic  
 MAR Radio Noise—Debunking Antenna Resonance and Making the Real McCoy  
 APRIL More Effects of the Earth on Antenna Performance  
 MAY The T2FD Antenna  
 JUNE Antenna Baluns  
 JULY The VHF/UHF Beam Traveler's Beam  
 AUG The "Big J" HF Antenna  
 SEP How High and Why?  
 OCT Groundplane Antennas  
 NOV Radio Direction Finding  
 DEC Antenna/Receiver Switching

## BEGINNER'S CORNER

JAN QSLing the Hard Ones  
 FEB Reading RTTY  
 MAR Getting Your Equipment Repaired  
 APRIL Beginner's Books  
 MAY Mailbag  
 JUNE Summer Shortwave Alternatives  
 JULY Local Notions  
 AUG Uncle Skip's Guide to Monitoring  
 SEP Reporting signal quality (SINPO)  
 OCT Kit Building  
 NOV Protecting equipment from theft  
 DEC Guide to Measurements

## BELOW 500 kHz

JAN Document Your DX  
 FEB Readers Letters  
 MAR Hunting for Lowfers  
 APRIL IF Shift  
 MAY Below 100 kHz—the subbasement  
 JUNE Summertime  
 Strategy, OMEGA update  
 JULY Tune Into NAVTEX

AUG DXing Massachusetts  
SEP Books, catalogs, equip  
OCT Direction Finding  
NOV How Low Will It Go? -Rcvr  
Specs; Navtex; Beyond Basics -  
Omega  
DEC Tips & Techniques; FAA  
Beacon Specs

#### BOB'S TIP OF THE MONTH

JAN Help for Electric Fence  
Interference,  
Ducting Detecting  
FEB Yaesu FRG8800 Display  
Correction  
MAR SW Antenna Base  
APRIL Drake SW-8 Battery Fix;  
ICOM R72  
Clock Fix  
MAY Realistic® PRO-2030 Cell  
Restoration  
JUNE Realistic® PRO-2032  
Modifications  
JULY Mobile Shortwave Antenna  
Noise  
AUG Realistic PRO-2026 Memory  
Backup  
SEP Ford Taurus Interference;  
Regency 4030 Lockup  
OCT AR 1500 Look-up Chart  
NOV Cellular restoration on late-  
model BC855XLT  
DEC New PRO-51 Cellular Mod

#### CLOSING COMMENTS

JAN FCC Punishes Ham (Chris  
Boyer) for Rescue Call  
FEB Canadian Scanner Bans  
Looms; US Rewrites the  
Communications Act  
MAR In the Public Interest; PSA as  
"Broadcaster"  
APR April 26th: The Deadline is  
Here  
MAY Restructuring the Spectrum  
JUNE Computer BBSs: The New CB  
JULY Objective Review or Self-  
Promotion?  
AUG MT Convention: 5 Year  
Milestone  
SEP Scanner Restrictions Get  
Worse  
OCT What Can I Legally Listen To?  
NOV Signaling Our Punches in  
Haiti  
DEC MT/Grove Staff Holiday  
Greetings

#### COMPUTERS & RADIO

JAN FAXCAP  
FEB Database Programs on a  
Budget

MAR World of Ham Radio CD  
ROM; SCANCAT Version 5.0;  
New SCANPRO Teaser  
APRIL Comparing Six Propagation  
Progs  
MAY Lowe's Multiscan 1.81; RFI  
help  
JUNE SWBC Interval Signals v1.2;  
HP Dash-board; World 29 v2.97  
JULY Any Port in a Storm  
AUG BUSing Mice, PAKing Ratts &  
COPYing CATS  
SEP AEA PC Pakratt  
OCT HOKA 30  
NOV HOKA Code 3 and 30 vs  
PK232  
DEC SWL Manager, CD-ROMS  
PLUS

#### DEMAW'S WORKBENCH

JAN Add a BFO to Your SW Radio  
FEB Inexpensive Ground-Plane  
Vertical  
MAR How to Cut Antenna Material  
Costs  
APRIL Broadband Sloping-V  
Antenna  
MAY Effective Earth/Radio  
Grounds  
JUNE Components: How To Find  
Them  
JULY Microphone Impedance &  
Amplification  
AUG Soldering Techniques  
SEP Kit Building  
OCT Dip Meters  
NOV External Antenna Coupling  
DEC Low Cost Power Supplies

#### DIGITAL DIGEST

JAN Decoding SITOR  
APRIL FAX  
JULY Monitoring the French Military  
OCT Decoding ACARS

#### EXPERIMENTER'S WORKSHOP

JAN Build a Solid-State Audio  
Recorder  
and Playback Circuit  
FEB Hot Glue Tips and Pin-Line  
Sockets  
MAR DC Power Supplies for  
Experimenters and Hobbyists  
APRIL RF Voltage Probe; Fast  
Charge Nicd and NiMH Batteries  
MAY R-7100 Speedup, Homebrew  
Signal Generator  
JUNE Heavy Duty Regulated Power  
Supply for CB & Ham Radio  
JULY How to Prepare & Install  
Modification Circuits  
AUG Things to Come & How to Get

Ready  
SEP Digital Logic Simplified  
OCT Status Indicator/Logic Probe  
NOV Low Pass Filter for CTCSS  
Detection  
DEC Pulse Stretcher Circuit

#### FEDERAL FILE

JAN The Best Equipment  
FEB Mobile Monitoring, FAA  
Frequencies  
MAR Top 125 Military SW Freqs;  
Dept of Justice Freqs  
APRIL Federal Monitoring in the 90's;  
DEA, FL Joint Task Force, FBI,  
Border Patrol freqs  
MAY The Spectrum Analyzer; US  
Postal Svce and Department of  
State Security freqs  
JUNE Monitoring a Presidential Visit;  
Dept.of Labor Freqs; Mode  
Allocations  
JULY Changes at KKN stations;  
Body Bugs  
AUG Strange Sounds on the  
Federal Channels; surveillance  
kits; Center for Disease Control;  
wildlife tracking  
SEP National Park Service  
OCT KKN Stations - Gone? (Miami  
Complex)  
NOV Strange Events in the Deserts  
(Groom Lake); World Cup  
Security; BLM-Boise Interagency  
Fire Center; US Attny  
DEC Federal Trunking; Salt Lake  
City freqs; Fed Surveillance  
(bug) freqs

#### HIGH SEAS

JAN Back to Basics  
MAR Florida Licensees on 4125  
kHz  
MAY Cruiseline News and freqs;  
Norfolk fax broadcast freqs  
JULY Weather Facsimile  
Broadcasts  
SEP Time Stations and Navigation  
NOV Missing at Sea (Caribbean  
search)

#### MAGNE TESTS

*Caveat: Reprints of Magne Test reviews  
are not available.*  
JAN Sangean ATS 202  
FEB Realistic® DX-375  
Yaesu FRG100 Improvements and  
optional keypad  
MAR Grundig Yacht Boy 500  
MAY External Antenna for SW  
Listening; Another Keypad for  
the Yaesu FRG-100

JUNE Sony ICF-SW100 Pocket Radio  
 JULY MFJ-8100 Shortwave Radio; Better, Cheaper Keypad for Yaesu FRG-100  
 AUG Drake SW8 Portatop Receiver  
 SEP Sony SW7600G; W-J Update  
 OCT ComFocus SoftWave receive  
 NOV Bolong HS-490  
 DEC JPS Digital Signal Processors

**ON THE HAM BANDS**

JAN Audio Aids  
 FEB What Frequencies Can Hams Use?  
 MAR Something Different From Different Locations  
 APRIL More Fun Radio Activities  
 MAY The W8JK Antenna  
 JUNE Building Your Own Rig; Buckmaster Hamcall CD  
 JULY Good Reading  
 AUG Building Your First Station  
 SEP Log-EQF Software  
 OCT Organizers; 160 Meters (antenna)  
 NOV Six Meters; Ramsey FX-50 6m kit  
 DEC Christmas Books and Bargains

**OUTER LIMITS**

JAN Clandestine Information Sources, Ernest Zundel and Voice of Freedom, Bay Area Pirates, Equipment  
 FEB La Voz Popular Schedule, Cuban Clandestines on WRMI, Radio Patria Libre, News Items  
 MAR CCN Closes Down; Kurdish Logs; Radio Pirana; Voice of Peace; Radio Free Venice; Pirate News  
 APRIL Brother Stair Responds to FCC Bust; La Voz Popular, Pirate QSLs  
 MAY FCC Visits WPIG Studios, WRMI, Radio Pretoria, Radio Pirana QSL  
 JUNE FCC Gives Subpoena Powers to Itself; Radio USA Fine Upheld; Weine/Fury update; Pirate Radio Insanity  
 JULY 7385 kHz Getting Popular; Power Radio Busted; Pirate News; New FCC Gadgets; Correction; What We Are Hearing  
 AUG Ex-Alpha 66 Cuban Rebels Arrested; Radio Patria Libre; Howard Stern Jammed; KIWI Active Again; New FCC DF

Cars; Pirate Pages Returns; What We Are Hearing  
 SEP La Voz del CID; Stern Jamming; Haiti Clandestine; Errata; KIWI address  
 OCT RFPI Chases Pirates off 7385; KIWI Still Active; Radio Tornado  
 NOV PR Anti-Castro Clan Busted; New FFC Chief; Radio Democracy; Taiwan Pirates; French Pirates; QSL Controversy  
 DEC Pirates Scatter; Finland Busts; Radio Democracy

**PLANE TALK**

FEB ARINC  
 APRIL Accessorize Your Aero Monitoring  
 JUNE How to Get More Out of Listening to HF Aero Comms  
 AUG Getting to Know Denver Int'l  
 OCT Central East Pacific Freqs  
 DEC "Lofty" Lingo (VFR/IFR); Radar Separation; Minn/St. Paul freqs; company freqs

**PROGRAM SPOTLIGHT**

MAR Travel and Tourism  
 JUNE Tuning in on World Business  
 SEP Science and Technology  
 DEC And Now the News  
 RADIO REFLECTIONS  
 FEB Phoenix Pioneer Stations KOY/KTAR  
 APRIL Beginner's Guide to Vintage Radio  
 MAY Making Your Own Radio Parts  
 AUG McMurdo Silver - a Radio Enigma  
 NOV 1941 Hallicrafters Super Skyrider, SX-28

**SATELLITE TV**

JAN Getting Better Audio From Your Satellite Receiver  
 FEB A Used TVRO Primer  
 MAR TVRO News Update  
 APRIL DBS ERA  
 MAY Satellite Broadcasting Guide  
 JUNE NASA, WXSATs, AMSATs, Teletext...  
 JULY Build Your Own Satellite TV System  
 AUG Satellite TV Comes of Age  
 SEP SCOLA/WRN Going Digital?; Satellite Radio Guide; AMSAT How to Use Amateur Radio Satellites; DBS Update

OCT Solar Outages  
 NOV The 500 Channel Myth  
 DEC Audio Broadcasting by Satellite

**SCANNER EQUIPMENT**

JAN Realistic® PRO-2030 and PRO-2032  
 FEB Tips for Your New Scanner  
 MAR Realistic® PRO-2027 w/cell mod inst  
 APRIL AOR AR1500 Handheld Scanner  
 MAY Realistic® PRO-51  
 JUNE AOR AR3000A Scanner  
 JULY Realistic PRO-23 Handheld Scanner  
 AUG DSP: The Wave of the Future?  
 SEP AOR AR8000  
 OCT Realistic® PRO-2035  
 NOV Digitech Loop Recorder  
 DEC Austin Ferret VHF/UHF Antenna

**SCANNING REPORT**

JAN Preventative Maintenance for Your Shack  
 FEB Protecting Your Privacy  
 MAR Scanning the Forbidden Freqs—Phones  
 APRIL Scanning with CTCSS  
 MAY Homemade Scanning Antennas  
 JUNE Vacation Tips  
 JULY Scanning the Races  
 AUG Public Service Monitoring  
 SEP Winterizing; Cellular band plan  
 OCT Finding Frequencies  
 NOV Scanning Gifts; Cordless 900 Caller ID  
 DEC Scanning the Rails; Capitol Monitoring; SCA

**Frequency Exchange** (in state order)  
 Please DO NOT request reprints; not available

<u>City/State</u>	<u>Issue</u>
Fast Food Freqs	Nov
Major League Baseball	June
Bermuda	July
Blue Angels	July
900 Cordless Freq	Aug
Birmingham, AL	March
Greenville, AL	March
Little Rock, AR	March
Phoenix, AZ	Dec
Bakersfield, CA	Feb
Benicia, CA	Nov
Capistrano, CA	Jan

Los Angeles, CA Feb  
 Los Angeles, CA Aug  
 Milpitas, CA Jan  
 Ojai, CA July  
 Sacramento, CA June  
 Sacramento, CA Oct  
 Santa Barbara, CA Aug  
 San Bernardino, CA Oct  
 Montagnes, QB,CN Jan  
 Montreal, QB, CN Sep  
 Colorado Sprs, CO May  
 Colorado Sprs, CO Sep  
 Colorado Sprgs, CO Oct  
 Denver, CO June  
 Connecticut Oct  
 Westport, CT March  
 Fairfield County, CT Aug  
 Mildord, CT Dec  
 Brandon, FL June  
 Orlando, FL Sep  
 Orlando, FL Dec  
 Punta Gorda, FL Sep  
 Walt Disney World, FL (new)Nov  
 Atlanta, GA May  
 Atlanta, GA Sep  
 Carrollton, GA April  
 Idaho Falls, ID Dec  
 Statesville, IL Jan  
 Marion Co, IN May  
 Kansas City, KS Dec  
 Wichita, KS Jan  
 Boston, MA, Fire Dec  
 Lynn, MA April  
 Baltimore, MD Sep  
 Pittsfield, ME April  
 Livonia, MI May  
 University of Minn July  
 NC Highway Patrol May  
 Fayetteville, NC June  
 Sanford, NC Sep  
 Wilmington, NC July  
 New Hampshire Dec  
 New Jersey Turnpike Oct  
 Amityville, NY Nov  
 Brome County, NY July  
 New York City, NY Feb  
 New York City, NY March  
 New York City Fire Dec  
 Suffolk / Nassau Co, NY Nov  
 Syracuse, NY Oct  
 Yaphank, NY Aug  
 Cleveland, OH May  
 Cleveland, OH Aug  
 Clackamas Co, OR Feb  
 Indiana, PA Oct  
 Lackawanna, PA April  
 Williamsport, PA Oct  
 Sulfur Springs, TX Jan  
 Carswell, TX Aug  
 Luzerne County,PA Jan  
 Charleston, SC May  
 Corpus Christi, TX March

Houston, TX March  
 Salt Lake City, UT April  
 Seattle, WA Feb  
 Vancouver, WA June  
 Milwaukee, WI April  
 Bluefield, WV July

#### UTILITY WORLD

JAN US Navy's Alligator  
 Playground; Foxes and 10  
 Count RTTY Transmissions  
 FEB QSLing MARS  
 MAR LA Earthquake; Korea Crisis  
 Monitoring;New FAA Freqs;  
 Bayonne Global Station  
 APRIL Why Listen To Utilities; Cuban  
 freqs; Navy MARS freqs;  
 Spanish numbers  
 MAY A Visit with the Russian Navy  
 including frequencies  
 JUNE NORAD; Coast Guard news;  
 VOLANT identified  
 JULY North Korea crisis deepens;  
 Bosnia war update; HOS details  
 revealed; Japanese UTE Club  
 AUG Wishing Upon a Mystic Star  
 SEP Monitoring Bosnian Conflict  
 OCT Who is Nightwatch?; Military  
 Ops Around the World;  
 Recommended Books  
 NOV Haiti Occupation; Where are  
 Russian comms?; Russian  
 Naval Freq Change, KFS  
 Update  
 DEC USAF Global HF System

#### WHAT'S NEW

##### Books:

A Passion for Radio Jan  
 Amateur Radio Class Oct  
 Amateur Radio Resource Directory  
 Aug  
 ARRL Antenna Book, 17th Sep  
 Backwoods Solar Electric Systems  
 June  
 Beginner's Hdbk of Amateur Radio  
 Feb  
 Beginner's Guide to ShortwaveAug  
 Beyond Police Call June  
 BEX Electronics Aug  
 Build Your Own SW AntennaSep  
 C Crane Catalog Aug  
 CAN-DO Video Series Dec  
 CB 101 (video) Dec  
 Clandestine Survey Sep  
 Commonsense Medicine and  
 Emergency CompanionFeb  
 Communications Receivers May  
 Communications Technology  
 UpdateNov  
 County Scanner Talk Feb  
 Course in Shortwave ListeningAug

Covert Catalog Aug  
 Crystal Set Handbook Sep  
 DXpedition Handbook Sep  
 DX Propagation for BeginnersNov  
 Electronic Gateway Sep  
 Fisher Newsletter Aug  
 FM Atlas 15th Ed April  
 FMedia! Oct  
 Frequency Almanac Aug  
 General Class License BookDec  
 Guide to Fax Stations (incomplete)  
 Oct  
 Ham-ROM July  
 Helping Ham July  
 Hidden Ham Antennas Oct  
 History of Int'l Broadcasting Oct  
 Incredible Audio and Video Projects  
 April  
 IBS White Papers (SW-8) Nov  
 Intercepting Numbers StationsApril  
 ISWAC Monitoring Awards Oct  
 Kenwood R5000 Handbook Feb  
 Klingenfuss' Guide to Utilities 1994  
 Feb  
 Logmaster II (software) Nov  
 Low Band DXing June  
 Listening In Aug  
 Mapzation! (software) Dec  
 Master Frequency File Jan  
 Metro Concepts Scanner BookMay  
 Military Monitoring July  
 Missing Pieces Jan  
 Monitoring the Yugoslav Conflict  
 April  
 Mountain Sales (fire tapes) Oct  
 National Sports & Recreation  
 Freq Directory Dec  
 NatScan/NESN Merger Oct  
 North Carolina Scanner Freq Dir  
 May  
 Ohio Scanner Freq DirectoryMay  
 Official Connecticut Scanner Guide  
 March  
 Official New England Scanner Guide  
 Aug  
 Outer Space Freq Directory May  
 Packet Power March  
 Passport, 11th Edition Sep  
 Patches, We Depend On YouJuly  
 Phone Pirates Feb  
 Pirate Radio Directory July  
 Pocket Frequency Guide Aug  
 Police Call Radio Guide 1994Jan  
 Pop Went the Pirates June  
 Power Up! March  
 Practical Antenna HandbookAug  
 Quebec Scanner Guide Aug  
 QST Magazine Aug  
 Radio After Dark (tape) Nov  
 Radio Amateurs Guide to theApril  
 Ionosphere  
 Radio Mgr for Windows (Saladino

software) Oct  
 Radio Stuyvesant (CD) Dec  
 Radio Tech Mod Books 6A & 6B  
 Feb  
 Rhode Island Scanner Guide May  
 Ridgecrest/China Lake Scanner Book  
 Dec  
 Satellite Times Sep  
 Scanner Radio Listings: Ohio Dec  
 Scanning New Hampshire Nov  
 Scannerist's Street Guide Jan  
 Shortwave Listeners Handbook March  
 Shortwave Listening Guidebook June  
 Shortwave Listener's Q&A Book Aug  
 Space Satellite Handbook May  
 Sportcat Frequency Guide Aug  
 Transmitter Documentation Project  
 Dec  
 Tropical Bands Survey Aug  
 Tuning In To RF Scanning Aug  
 TV E-Skip Maps Oct  
 US Repeater Mapbook May  
 Utility Database July  
 VHF/UHF Frequency Flood Aug  
 W1FB's Help for New Hams Oct  
 World Calendar June  
 World Radio TV Handbook 1994  
 March  
 WRTH Maps May  
 Worldwide Aeronautical  
 Communications Frequency  
 Directory Sep  
 Wreck Chasing Jan

**Equipment:**

ACE TSR2400 Scanner May  
 Ameritron ALS500M amplifier Dec  
 Antenna Booster/Preselector Aug  
 Antlers for Windows July  
 ATI Lightning Charger June  
 Circuit Works Quick-Bond Kit Feb  
 Classic Clock Sep  
 Comm Spec Video Modem Sep  
 CopyCode 2.0-Sensible Software  
 April  
 Deaign EQ Scanner Cases Oct  
 DX Daily Phone Service May  
 FBenterprises Freqs Maps March  
 G&G used scanner list Nov  
 GRE/ICOM package (Grove) Dec  
 Grove Filters Sep  
 Grove Interference Filters Feb  
 Grove No-Tenna Feb  
 Grove Preamp PRE-5 Dec  
 Hamtronics R76-M VHF Rcvr Kit  
 March  
 Hamtronics R138 Wefax rcvr kit Nov  
 Head Clamps July  
 Hot New Uniden Numbers July  
 JPS NTR-1 Noise Reduction Unit  
 May  
 Kenwood Mods by Int'l Radio Jan

Laser Pointer April  
 Lescomm GE Scanner Mod Sep  
 Listening to SW Cassette April  
 Magic Eye Nov  
 MFJ-432 Voice Keyer Nov  
 MP-140X Power Inverter Jan  
 900 MHz Cordless reductions Nov  
 Noise Cancellation Tech Inc. March  
 Omnicron Elec VLR-4 Recorder March  
 Optoelectronics DC440 Decoder  
 Feb  
 Optoelectronics OptoScan 456 June  
 Palomar Magnetic Balun Nov  
 Palomar PD-600 Aug  
 Power Flip-Top Battery Jan  
 Radio Shack Frequency Counter  
 Jan  
 Radio Shack PRO-2027 March  
 Realistic® PRO-51 May  
 Realm WHS150 Feb  
 Reel-Talk Nov  
 Scalar Wave Generator Dec  
 Scanventure NY FCC Lists March  
 SoftWave by Comfocus June  
 The Clip™ April  
 The Road King July  
 Transmitter Fingerprinting July  
 Uniden PRO-340XL CB March  
 Uniden PRO 501XL CB Oct  
 Uniden Sportcat Feb  
 Uniholder Holsters Feb  
 World of Ham Radio CD-ROM March  
 Zapper—10GHz Oscillator March

**Reviews:**

Black Box Antenna Oct  
 Black Box Antenna, model S (SW)  
 Dec  
 C. Crane AM/FM Mobile Ant April  
 Everhardt SW Listening ant Aug  
 Frequency & Intelligence Dir June  
 GAP Multiband Antenna Oct  
 Grove SP-200 Sound Enhanc May  
 Grove No-Tenna June  
 Optimus Speaker April  
 Opto 3300 Freq Ctr Feb  
 Ramsey Kits June  
 Select-a-Tenna April  
 SysCalc for Windws Jan  
 Trifield Environ Monitor July

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The Course of Int'l Broadcasting	Jan
VOA's Moroccan Relay	Sep

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Bletchley Park, WWII code-breakers	Dec
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Joe Adamov: 53 Yrs at the Mike	Oct
Leroy Schum: Homefront Hero	Jul
Scanning Investigator	Feb
Sixty Minutes in Cairo	Mar
Victor Goonetilleke - DXer	Sep
When Rescue Fails	Aug

### Miscellaneous:

FEMA's Multiple Radio Vans	Jan
GMDSS: Safety at Sea	Aug
Grove Expo, Vol VI	Dec
Low-Power AM Transmitters	Aug
Preparing for the Worst (batteries)	Apr
Russians in the Savannah Jul	
The FBIS is Listening	Jan
The Internet via Radio	Sep
The Shuttle's Mir-acle Mission	Jun
To ID or Not ID?	Oct

### Scanning:

Air Boss: Control Tower on Wheels Jul	
Cruising the VHF Marine Band	Jun
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### AMERICAN BANDSCAN

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FEB	Landing that Wallpaper (QSLing)
MAR	Books for Domestic DXer
APR	Time Tips for DXing; Expanded Band Broadcasters
MAY	Es Skip Time!
JUN	Digital Radio - on the way?
JUL	International DX - on AM?
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SEP	Tower-Hunting Tips
OCT	Mobile Dxing
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### ANTENNA TOPICS

JAN	Bilal Isotran resonant circuit antenna; Autek Research RF Analyst
FEB	Choosing a Feedline
MAR	Selecting an Antenna - 1 (antenna characteristics); antenna tech certification
APR	Selecting an Antenna - 2 (bandwidth, tuners, received noise vs. signal)
MAY	Selecting an Antenna - 3 (right antenna for the job)
JUN	Grounds: Real, Substitute, Artificial
JUL	Using wire radial to improve hand-held reception; Lew McCoy book review
AUG	Utilizing Familiar Objects as antennas; Baluns and Ununs book review
SEP	Diversity Reception; A limp radial quarterwave antenna
OCT	Easy-Up Antennas
NOV	AEA IsoLoop
DEC	Survey of Loop Antenna Types

### BEGINNER'S CORNER

JAN	Hi-Tech Learning Tools
FEB	Computer Shows
MAR	Parts Procurement
APR	Scanner Books
MAY	Volunteer Testing
JUN	Monitoring Skills
JUL	Last Chance QSLs
AUG	Ham Awards and Contests
SEP	Battery Operation
OCT	Radio Hobby Not Dead
NOV	My Alaskan Adventure
DEC	Mobilizing Mobile Mobility

### BELOW 500 kHz

JAN	You Tell Us: listeners letters
FEB	AWOS Stations; Homespun Loop Revisited
MAR	Survey; Wintertime DX; ELF grows trees; Tesla books, GBZ tower
APR	Beacon Troubleshooting; Fix for WR-3; using varicaps
MAY	Who's on the Band?
JUN	Name That Sound; Navtex
JUL	Summer Strategy
AUG	Survey Results; loggings; Mac map function; W7FG Vintage Manuals
SEP	GPS Meets Longwave; unique beacons; tube intercom as beacon; seismic sources; new beacons
OCT	Trip to Newington (ARRL)
NOV	LF Engineering L-400B Antenna; Longwave in the Pacific
DEC	A Visit to "Old CC"

### BOB'S TIP OF THE MONTH

JAN	PRO-51 modified again; Hold for RS Freq Ctr; Better Knobs for BC200XLT
FEB	Realistic Antenna Battery Saver; MR8100 Cell Mod
MAR	SW Reception on Scanner Antenna
APR	Upside Down Antennas
MAY	PRO-2035 knob fix; Sony 2010 test
JUN	Cellular Image Reception
JUL	Cable and Adaptor Losses
AUG	Increase IF level on R7000/71000
SEP	DX390 and 440 Tuning Improvements
OCT	Full coverage on AR8000, PRO-46
NOV	Reducing Scanner Intermod
DEC	Zap-proof your receiver from external antennas

### CLOSING COMMENTS

JAN	Where are the Trunk-Tracking Scanners?
FEB	One More Anti-Monitoring Law
MAR	Bits and Pieces
APR	Passing of the Clubs
MAY	Is the FCC abandoning us?
JUN	Freedom from the Press
JUL	Musings re Tom Kneitel retirement
AUG	Internet Phone; Successor to Ham Radio
SEP	A Look Back in Time (good old days weren't necessarily better)
OCT	Film Flam Audio
NOV	Is the FCC Worth Saving?
DEC	Holiday Greetings

### COMPUTERS & RADIO

JAN	PC FM Radio Card
FEB	Grove FCC Database
MAR	Bus Mouse Installation
APR	Optical Scanning
MAY	ScanCat Gold
JUN	Radio vs. the Internet
JUL	Copycat Pro; Hoka Code 3
AUG	Scan Manager Pro

SEP Scan Star Pro  
OCT Collins PropMan  
NOV Mail: Internet v Hams  
DEC AEA FaxIII; OCR Revisited

#### DEMAW'S WORKBENCH

JAN Tape Recorder Interface  
FEB DC Voltage Regulators  
MAR Understanding Transmitters (without a license)  
APR Using Op Amps to Aid Reception  
MAY SWR  
JUN Dealing with Man-Made Noise  
JUL Looking for Parts?  
AUG Understanding Your S-Meter  
SEP Beginning Circuit Design  
OCT Multiband Reception w/Tuned Antenna Feeders  
NOV Using the MFJ-259 Multitester  
DEC Intro to Crystal Oscillators

#### DIGITAL DIGEST

JAN ARQ Modes  
APR Third Shift Cyrillic RTTY  
JUL Worldwide Ute News Club; French Forces message  
OCT French Forces Naming Conventions and Vessel Suffixes

#### EXPERIMENTER S WORKSHOP

JAN Inside the PRO-2035  
FEB PRO-2035 Extended Memory  
MAR Tape Recording and Volume Control  
APR Battery Backup & Memory Preservation  
MAY Easy Datalogger for Home & Shack  
JUN Great Circle Spreadsheet  
JUL Radio Shack and Metex PC interface meters; Enhanced Zeromatic for Pro-2004 series  
AUG Free Space Radio Path Analysis; MAX471 measures battery charge  
SEP Rolling Your Own Resistors  
OCT Antenna Switching; Ground-Wave Propagation Analysis  
NOV Building or Upgrading Computers  
DEC Upgrading Computers - Part II

#### FEDERAL FILE

JAN Bug Hunting; Border Patrol  
FEB Summit of the Americas; Boston freqs; Strange Signals  
MAR Postscripts (Secret Service at Summit); C3I Data Links; federal realignment proposal; fed loggings  
APR Top Agencies' SecureNet System; Whitman AFB; US Customs; US P.O.; seismic monitor freqs; US Geologic Survey  
MAY FCC downsizing; Drug Enforcement and related ops  
JUN Comms in strange places: Feds on fast food freqs, TV on Part 74, Pres on airport freqs; diplo comms; monitoring UN & A-bomb anniversaries; US So Command moving to Miami  
JUL BATF and FEMA frequencies  
AUG Summer VHF Activity: backpack radios; NASA HQ, Argonne Natl Lab, Arnold AFB, GA Forestry Comm, FAA, Amtrak on 900 MHz

SEP Scanning the Big Apple; Boise Idaho River Festival, BLM, US Forestry Service; Assoc of Am Railroads; more hidden media freqs  
OCT Who's where and who's moving - projected reallocations  
NOV SWLing the Feds (SW back-up systems)  
DEC Federal protection details, presidential campaigns, Olympics, and nuclear terrorism

#### HIGH SEAS

JAN New York Harbor  
MAR KFS World Communications adds VCT; Visual Morse; m/v Polydoros radioman saves lives  
MAY Petroleum Industry  
JUL Globe E-mail and telex freqs; USCG final CW  
SEP The Navy's New Boat (guest feature)  
NOV Comings and Goings (history of maritime comms; final column)

#### MAGNE TESTS

*Caveat: Reprints of Magne Test reviews are not available.*

JAN AR3030  
FEB Best Receivers to Buy  
MAR Sangean SG 789A  
APR Sony ICF-2010  
MAY ICOM R71; Satellit 700 price hike; W-J HF-1000 difficulties continue; SG 789A antenna  
JUN Drake SW8 Improvements, Drake R8A Coming; Sangean drops ATS-803A; Grundig changes NAM lineup; W-J still promises improvements  
JUL JRC NRD-93  
AUG Yacht Boy 305; News - Drake R8A, Lowe HF-250  
SEP Lowe HF-250  
OCT Aroma SED-EDL88C  
NOV Watkins-Johnson HF1000  
DEC Looking Ahead: Should you buy now?

#### ON THE HAM BANDS

JAN Propagation Tips; New Videos; Mini-Regen receiver schematic  
FEB Straight Key Night - sending good CW; Low Band Activity  
MAR Three Short Antennas; Casio watch for DX tool  
APR Ten Meters; observations about antennas; homebrew tilt-over tower and coil-winder books  
MAY New Products: Amateur Radio Newline, No Code License Program, Buckmaster Electronics Software Compendium, Power Pocket, QRP Plus  
JUN Are You Ready? Field Day, VHF Contest; Hambrew magazine; Antique Electronic Supply; Atlas 400X transceiver  
JUL Value of old gear; ICE DigiField FS meter  
AUG RS HTX-212; Ramsey SX-20  
SEP Winter Preparations; Iso-tip cordless soldering iron

OCT 6 Meter FM; Alinco DR-MO6  
NOV 46, 160, 80 m; Antenna Compendium  
DEC Stocking Stuffers

#### OUTER LIMITS

JAN Frente Nacional Cubano Busted Twice; Pirates on 43 meters; Clans in Russia; Radio Free Berkeley  
FEB Radio Caiman CIA op?; Radio Patria Libre; Radio Democracy QSL; Books  
MAR Pirate Activity Record Broken; Trummel's Black Book; Iran Clandestine QSL; Best QSL?  
APR FCC Loses one, wins one (Radio Free Berkeley, 3 busts); La Voz de Chiapas, La Voz de Guatemalan Mayan; KIWI  
MAY Pirate Bust Developments; Eropirate bulletin; Mexican clans; Taiwan pirates  
JUN Pirate Jams Iran; Aum Shinrikyo; Super DX Edge; So Music Radio; Spectrum bcsts from Winterfest  
JUL "Patriot" Programming; RNI returns; Polish pirates; Iranian clandestines; WRMI E-mail  
AUG CID using satellite feed; NASWA covers pirates; Radio Pirana; 41/43 Meter Notes; more foreign pirates  
SEP Increase in pirate activity; WINB in limbo; KIWI still active; RNI quits; Radio Marti on WHRI; Iran clan heard in Brasstown  
OCT Chiapas Libre; R Free Berkeley Fined; SIO Codes; R Pirana Moves; Black Book e-mail; New ACE Publisher  
NOV Israel BustsPirate; SRS E-mail; 41-43m 2-way Spanish  
DEC Iranian Clan loses funding; Mexican clans; Local FM pirates

#### PLANE TALK

FEB Oakland Oceanic Control  
APR The Black Box and Cockpit Voice Recorder; HF Nets serving MWARA; Software offer Final Approach  
JUN LDOC; New HF Datalink HF DL being tested; Atlanta aero freqs  
AUG Flight of the Concorde  
OCT Brush Up Your Basics; Observation Decks; Monitoring the Comics  
DEC San Fran ATC Tower; Oakland Center; St Louis freqs; World Air Carrier Callsign Directory; readers' corrections, additions; LDOC verifications

#### PROGRAMMING SPOTLIGHT

MAR VOA Inaugurates Talk Radio  
JUN BBC in Transition (split streaming)  
SEP Radio on the Internet  
DEC Shortwave Simulcasting - KTBN & WEWN

#### RADIO REFLECTIONS

FEB Working at WATT  
MAY 100 Years of Radio (Marconi)  
AUG Revive a Five! (restoration)

NOV	Medical Quackery	TV/public safety; list of cell restorable scanners	Philadelphia, PA (DEA)	Oct
		SEP Equipment TLC; cellular banned in hospitals	Pittsburgh, PA	Nov
		OCT Trunking; Briefcase Satellite; Laser Guns; New Opto Scout	Potter Co., PA	Mar
		NOV How to scan during the holidays; TV audio freqs; CB channels; allocation rules & regs	Scranton, PA	May
		DEC Alive and Well - good December scanning freqs; antenna heights; Tulsa, Okla., case	Wilkes-Barre, PA	Feb
			Beaufort, SC	Sep
			Darlington, SC	Jul
			Dorchester Co, SC	Jun
			Mt Pleasant, SC	Feb
			Newberry, SC	SASE
			Spartanburg, SC	Sep
			Clinton, TN	Apr
			Alamo, TX	Dec
			Laredo, TX	SASE
			Tooele, UT	Sep
			Arlington, VA	Jul
			Emporia, VA	Jul
			Fairfax, VA	Jun
			Virginia Beach, VA	Aug
			Burlington, VT	Sep
			Woodstock, VT	Aug
			Green Bay, WI	Dec
			Tomah, WI	Dec
			Wheeling, WV	Jan
				Mar

**Frequency Exchange (in state order)**

City/State	Issue	
Mobile Co, AL	Oct	
Montgomery, AL	Sep	
Brisbane Airport, Australia	Mar	
Davis Monthan AFB, CA	May	
California Coast	May	
Jamestown, CA	May	
Los Angeles, CA, FD	Apr	
Oakland, CA	Oct	
Stockton, CA	Feb	
Toronto, Canada	Nov	
Jefferson Co, CO	Sep	
Hartford, CT	Mar	
Washington, DC (Natl Pks)	Jul	
Dover, DE	Mar	
Dover, DE	Nov	
New Castle Co, DE	Nov	
Smyrna, DE	Mar	
Dade Co, FL	Jan	
Dade Co, FL	Oct	
Hollywood, FL	Nov	
Miami, FL	Jan	8pp
Miami, FL	May	
Orlando, FL	Jan	
Walt Disney World, FL	Jun	\$3
Douglasville, GA	Jan	
Marietta, GA	May	
Savannah, GA	Jun	
St Mary s, GA	Nov	
Maui, HI	Aug	
Chicago, IL	Apr	
Danville, IL	Aug	
Clarksville, IN	Dec	
Columbus, IN	Jan	
Hendricks Co, IN	Oct	
Hutchinson, KS	Jun	
Topeka, KS	Dec	
Wichita, KS	Feb	
Boston, MA	Dec	
Aberdeen, MD	Mar	
Bangor, ME	Dec	
Aurora, MO	Apr	
Northfield, MN	Jan	
Havelock & New Bern, NC	Jul	
Mount Valley, NH	Nov	
Atlantic City, NJ	May	
Ocean City, NJ	Oct	
Las Vegas, NV	Sep	
Las Vegas, NV	Apr	
Cedarhurst, NY	Feb	
Broome Co, NY	Jun	
Oklahoma City, OK	Jul	
Oklahoma City, OK	Aug	
Roseburg, OR	Jun	
Dallastown, PA	Mar	
Harrisburg, PA	Aug	
Mifflin Co, PA	Apr	
Mifflin Co, PA	May	SASE
Philadelphia, PA (RR)	Feb	
Philadelphia, PA	Jul	

**Other Offers/Freqs**

Blue Angels	Apr
Cordless Phones	Sep
Fast Food Freqs	Sep
Federal Freqs	Sep
Medecac Freqs	Sep
TV Antenna conversion	Apr \$3
TV Antenna conversion	Oct \$5
TV audio freqs	Mar \$2
TV audio freqs	Nov SASE

**Treasure Hunt**

2 sets Police Call	Jan/Feb
Naval Electronics HTS-2	Mar/Apr
BC-III and BC-V from G&G	May/June
Scantenna from Grove	July/Aug
RG6/U coax	Sep/Oct
Freq list: bugs, fast food, etc	Nov/Dec

**UTILITY WORLD**

JAN	AFTN almost gone; DCS HF system; Nightwatch Update; Hobbyist's Guide to COMINT
FEB	Aero Mobile Band Standardizes
MAR	RTTY Numbers Stations; HICOM gone
APR	Single Letter HF Markers Revealed
MAY	SECURE system; AF manual description of EAMs; 5680 & 5696 logs, X-ray codes
JUN	FEMA Support Communications
JUL	British Royal Air Force
AUG	Hurricane Season, NOAA and 53rd WRS and related freqs
SEP	The meaning behind the EAM messages; Navy Tacamo takes on ABNCAP role; Nightwatch nets
OCT	US STRATCOM Network Freqs; Inter-American Air Forces and Army communications systems
NOV	Coast Guard Pacific Operations, corrections
DEC	US Govt HF Exercises; FAA HF radio network; Global Wireless maritime network

**WHAT'S NEW**

**Books:**

**SCANNER EQUIPMENT**

JAN	PRO-2035 vs. PRO-2006
FEB	PRO-62; RadioMap
MAR	BC9000XLT
APR	BC3000XLT
MAY	Uniden BC860 XLT
JUN	PRO-2036/BC890XLT
JUL	PRO-2037
AUG	PRO-26
SEP	PRO-60
OCT	AR 2700
NOV	Comparison of scan rates, current consumption, modulation acceptance between AR8000 and other handhelds; RU2700 recorder option for AR2700; portable antenna alternatives
DEC	PRO-2040

**SCANNING REPORT**

JAN	Scanning Questions; NOAA weather; new aero freqs; taxi cabs
FEB	Scanning Savvy; cellular newsclips
MAR	Beyond UHF; Qualcom cellular contract; protection from cellular clones; TV bands
APR	Spring cleaning (scrounging); news clips
MAY	Listening Post Improvements; cordless mikes; bumper beepers; news clips
JUN	Challenge: mapping antennas in your neighborhood; briefcase satellite phone; news clips; extending cordless range; Goodyear Blimp freqs
JUL	Computerized Scanning; OKC active freqs; bugs in restaurants; PO scanning; Blue Angels sched; new aero freqs
AUG	August scanning (shopping malls, sat freqs, winterizing); NY

Aeronautical Freq Directory (#3)	Aug	Zenith Trans-Oceanic:Royalty of Rs		Hamtronics RWWV kit	Jun
Air-Scan #6	May		Jul	ICOM IC-775 & IC-775 w/DSP	Jul
Amateur Handbook	Apr			ICOM IC-Z1A HH Transceiver	Jul
Amateur Radio Almanac	Apr	<b>Software, Videos, Services, etc.</b>		ICOM IC-706 all-mode Transceiver	Jul
Amateur Radio Encyclopedia	Jan	Adaptive Sys WAVE (Mac control)	Nov	JPS NIR-12 Noise Reducer	Jun
Amateur Radio RV Antennas	Sep	ARRL Electronic Repeater Directory		Lightning Emergency Generator	Oct
AM Radio Log	Jan		Nov	Kantronics KPC-3 TNCT	Aug
AM Radio Logbook (NRC)	Dec	ARRL Publications (catalog)	Aug	Kiwa BCB filter	Nov
Antenna Factbook	Jul	ARRL Radio Designer (soft)	Feb	Magellan's WaterPocket	Jul
ARRL Antenna Compendium	Jun	ARRL Radio Designer (soft & book)		Micro Tek Minute-Man SW conv	May
ARRL Handbook	Jan		Sep	Miltronix R-390 Repair	Jan
ARRL Intro to RF Design	Sep	AT&T Language Line	Dec	Miracle Baby Micro Duck	May
ARRL Operating Manual	Aug	BK Precision (catalog)	Aug	MFJ-114 Clock	Feb
ARRL UHF/Microwave Projects	May	Cellular Security 800 MHz mod	Nov	MFJ-66 Dip Meter Adapter	Sep
ARRL Radio AmateursWorld Atlas	Nov	Circ-"IT" classifieds	Mar	MFJ-1717 Flexible Duck	Sep
British Columbia Freq Directory	Jul	Code Red 900 number	Jun	MFJ-306 World Band Explorer	Aug
CB Buyers Guide	Dec	Design EQ BankPac cards	Sep	MFJ-452 Super CW Keyboard	Jan
Coll Guide to Antique Radios(#3)	Aug	Dir of Elec Surveillance Equip Sup	Oct	Motron Auto-Kall DTMF controller	Jul
Coll Guide to Novelty Radios	Aug	FAR Scholarships	Mar	Naval Electronics HTS-3	Mar
Coll Guide to Transistor Radios	Aug	Fontel Foundation Inventor s BBS	Oct	Optoelectronics CX12AR Interface	Oct
Compendium of Am RR Freqs (#13)	Aug	Geo Jacobs Roboscan 2000	Aug	Optoelectronics OptoScan 535	Oct
	Aug	Getting Started in VHF (video)	Feb	OptoElectronics Scout	Jan
Computer Support Directory	Oct	Gordon West Radio School	Oct	Palomar Magnetic Switch Balun	Aug
CQ Ham Calendars	Jan	Grove FCC Database	Sep	Power Pocket	Oct
Digital Multimedia Guide	Sep	Grove Repair Service	Feb	Powertip	May
Electronics Pocket Reference	Feb	Kiwa catalog on Internet	May	QuickTone CTCSS kit	Feb
Intro to Digital Video	Jan	Klingenfuss Modulation Types (CD)	Jun	Radio Engineers Vector-Finder	Jun
Guide to Fax Radio Stations (#15)	Sep	LeProgram, Shortwave Guide	Jun	Radio Shack PRO-27	Sep
Guide to Utility Radio Stations	Apr	LogOn USA (internet Bcast)	Oct	Ramsey FM25 FM Stereo Txr	Aug
Haruteq Ontario Scanner Directory	Nov	Marbian Productions SWBC skeds	Nov	Sony ICF-SW1000T receiver	Nov
Low McCoy on Antennas	Mar	MetroWest catalog	Oct	TenTek T*Kits	Apr
Listeners Lawbook (#2)	Aug	Milestone Tech Code Master V	Jul	Tripp Lite PR-series power supply	Aug
Low & Med Freq Scrapbook	Jan	Milestone Tech M*Log	Nov	Uniden laser radar detectors	Mar
Low Power Communications, (vol 3)	Sep	Mr Scanner s CD ROM	Nov	Uniden PC 76XLW CB	Mar
	Sep	New Wireless Pioneers (cat of books)	Oct	Uniden's new scanners	Feb
M-Street Journal	May	Old West Graphics (decals etc)	Jul	Uniden scrambled cordless phones	Mar
Mobile Cellular Systems	Mar	Old West Graphics ID tags	Dec	Uniden 25-Chan Phones	Jul
New SW Propagation Handbook	Jul	PageWatch	Apr	Viking long-play recorder	Feb
New York City ATC	Jul	Palo Alto Sun Clock	Dec	Wavetek products	Sep
Norwegian AM Log Book	May	Probe kit catalog	Feb	Wavetek digital multitesters	Dec
Official Massachusetts Freq Guide	Apr	Quest Electronics(catalog)	Nov		
Ohio/Mich Scanner Freq Dir	Dec	RCSI ScannerWEAR Soft-control	Jun	<b>Reviews:</b>	
Orange Book of Scanner Repair	Jun	RMA Electronics Co	Jun	Alpha-Delta DX-Ultra	Jun
Passport 1996	Nov	Rockwell PropMan	Jul	AOR SDU5000 Spectrum Display	May
Pennsylvania Freq List	Jun	Signal Int, Windows Scan*Star	Dec	CTP DS-49 Descrambler	Sep
Police Call 1995	Jan	SSC PC GOES/Wefax 4.0	Jun	Free Radio Berkeley transmitter kit	Jun
Police Call So Cal Detail Edition	Mar	State PD & Hwy Patrol Badge Guide	Dec	Grove TUN-5	Oct
Radio Modification Handbook	Aug		Dec	JPS ANC-4 Antenna Noise Canceller	
Rebel Radio	May	Vintage Manuals (cat)	Mar		
Remaking of Radio	Mar	Worldcom Yacht Boy 400 mod	Mar	K&L Message Tracker	Jul
Scanners 3	Jan			Kiwa MW Air-Core Ant	Dec
Scanner Planner	Dec	<b>Equipment:</b>		Logic Limited Franklin Converter	Oct
Schroeder s Antiques Price Guide	Nov	AEA APRS adapter cable for GPS	Apr	MFJ-784 DSP Filters	Sep
Spectrum Guide	Apr	AEA PK-96 packet w/GPS	Dec	Naval Electronics HTS-2 vs. -3	Jul
Spectrum Regulation Handbook	Oct	Alpha Delta DX Ultra SWL antenna	May	Optoelectronics DC 440 decoder	Mar
Spread Spectrum Comm Handbook	Feb	Audio Tech CS2000 home theater	Dec	Optoelectronics Scout 400	Feb
	Feb	Autek Research RF Analyst	Jan	Optoelectronics Scout 40 Nov	
The Phone Book	Aug	BayGen Baylis wind-up radio	Sep	Par Electronics intermod filters	Sep
The Shortwave Radio Guide	Jun	Black Box Antenna	Oct	Select-A-Tenna vs the Black Box	Apr
Towers to Eternity	Feb	Cellular Security Max800 Antenna	Feb	ZS Electroniques ZSRX Antenna	Jul
Travelers Guide to Freq Mon (PA)	Mar	Cobra 93LTD CB	Nov		
Travelers Guide to World Radio	Apr	Comm Spec TE-32 Encoder	Nov		
Ultimate Scanner, Cheek #3	Jul	Connect Systems CD-2 decoder	Apr		
Underground Frequency Guide	Feb	Datafile Probe software	Jan		
Understanding ACARS	Jan	Design EQ leather scanner cases	Apr		
Understanding ACARS (#3)	Aug	DX Radio Supply Power Station	Sep		
US Repeater MapBook	Nov	Everhardt truck CB antenna	Mar		
Whole Spy Catalog	Jul	FlatPlug, American Leviton W&C	Jan		
Winning the Global TV News Game	Dec	Free Radio Berkeley Radio Kits	May		
	Dec	Gall Universal (auto) Bracket	May		
World Radio TV Handbook	Mar	Grove Mini-Skywire	Sep		
Your HF Digital Companion (ARRL)	Aug	Grove SW Converter	May		
	Aug	Grundig Yacht Boy 207 & 217	Apr		
		Hamtronics aero band rcvr kit	Jul		

# MONITORING TIMES INDEX 1996

## FEATURES:

### Broadcast:

AWR Story - 25 Years Oct  
 BC Bedfellows (WRUL & SW-4A) Aug  
 Free Radio Berkeley May  
 Gabon SW Broadcast Profile Jan  
 Guide to Intl BCers on the Net Nov  
 Keeping the QSL Fires Burning Feb  
 South Pacific BC History Dec  
 Voice of Oromo (intw) Jun  
 WGTG - America's Newest SW Jul  
 Will the Sun Set on RCI? Mar

### Human Interest:

Barry Goldwater Reflects on Radio Jul  
 Bug Hunt, Expo Style Oct  
 Grove Communications Expo '96 Dec  
 Havana Moon remembrance Mar  
 Next Parish, America Dec  
 The Inventor of Radio ...Stubblefield? Oct  
 The Subtle Art of Elmering Jan

### Miscellaneous:

1995 Index Jan  
 BBC Monitoring Service Sep  
 Bicycling with a radio Mar  
 Coordinating RF at the Olympics May  
 DX Camps Feb  
 FM/TV DX 101 Jun  
 Natl Assoc of BCers 96 convention Sep  
 National Weather Service Jan  
 New Olympic Technology Nov  
 Tune in Operation Joint Endeavor Feb  
 The Wullenweber Antenna Apr  
 Wireless Weather Info Network Aug

### Scanning:

Eyes & Ears on Baby Dec  
 Fast Food Smorgasbord Aug  
 General Mobile Radio Service Feb  
 Guide to Frugal Scanning Jan  
 Guide to Inauguration '97 Dec  
 Hot Listening in "Hot-lanta" Jun  
 LA Fire Dept Op Center Mar  
 On the Road with REACT Jul  
 Scanning Galveston Island Aug  
 Scanning the MegaMall Nov  
 Scanning the Pres Campaigns May  
 Seat of Your Pants DFing Jul

Shuttle Mission Monitoring Sep

### Technology and Technical:

Absolute Lightning Protection Jul  
 Anyone for a Fox Hunt? Oct  
 Bus Bar Grounding Jul  
 Cable TV Signal Leakage Jan  
 Compact, efficient antennas Apr  
 800 MHz Virtual Downconverter Feb  
 Get in the Mediumwave Loop Nov  
 ICOM's R8500 vs. AOR's AR-5000 Nov  
 Improved VHF/UHF TV & FM Recep Apr  
 Magic Wand Portable Antenna Apr  
 Operation Skyhook (putting up dipole) Apr  
 Survive a Computer Virus Sep  
 Vertical Antennas for SW Apr  
 Who's Playing Hell with HAARP? Oct

### Utilities:

Anchors Aweigh for Great DX May

### AMERICAN BANDSCAN

JAN Internet Resources for domestic DX  
 FEB The world above 1600 kHz  
 MAR Anatomy of an AM Antenna  
 APR The Telecom Act & DX  
 MAY TV DX Season  
 JUN TV's Most Exotic DX; Expanded band update  
 JUL A Station of my Own  
 AUG DX Tips & Tricks; KTRK on Expanded Band  
 SEP Getting on the Air (experimental licenses); Staying on the Air (new FCC regs)  
 OCT TV by the Numbers (digital TV)  
 NOV What's in a Name? (origin of station calls)  
 DEC Clear(?) Channels, history, allocations; Expanded band news

### ANTENNA TOPICS

JAN Gain & Directivity with a Sloper Dipole  
 FEB Two Classic Antenna Books: old antenna theory vs. today's  
 MAR Same antenna, different results - effects of earth on patterns  
 APR Size, Gain, and Practical Results  
 MAY The Hydrochloric Acid Antenna  
 JUN Kite-Supported Antennas  
 JUL The Legendary Dipole  
 AUG EME: Ultimate Weak Signal Work

SEP Antenna Tuners: Help or Hindrance?  
 OCT HF Groundplane Antenna  
 NOV Conformal antennas; *Experimental Antenna Topics* and superconducting antennas  
 DEC Microwaves; antenna modeling

### BEGINNER'S CORNER

JAN Roots: Building crystal receivers  
 FEB Used Receivers  
 MAR How to Read Hauser, etc.  
 APR Amateur Radio Reading  
 MAY Stealth Monitoring  
 JUN Going Down (LF DXing)  
 JUL Inspired by Mildew  
 AUG The \$100 Ham Station  
 SEP Radio ain't Television (do your own digging)  
 OCT Uncle Skip Rethinks his Antennas  
 NOV Beyond the Fringe  
 DEC The Art of Code

### BELOW 500 kHz

JAN Logging techniques  
 FEB European longwave  
 MAR Lowfer Update  
 APR News & Loggings  
 MAY QSLing Your Catch  
 JUN Surfing for Longwaves (Web sites)  
 JUL Top End Tour  
 AUG Is it sound or radio?: Longwave  
 SEP European Beacon Book; NAVTEX Cutback  
 OCT Longwave Intrigue (beacon PYD; negative keying); new resources  
 NOV Portable antenna pick-ups; DXing Cuban NDBs; WWVB transmitter increase; 73 kHz news  
 DEC Whistlers, Sferics, & Tweaks, oh my!

### BOB'S TIP OF THE MONTH

JAN PRO 2042 vs. 2035: is there a difference?  
 FEB BC230XLT vs. BC220XLT; keep coil windings from slipping; shut off PRO43 beep; What are the tropical bands?

MAR Wide Freq Coverage on Regency 4020?  
APR Cell restoration on PRO2035,2042; Button Beartracker Beep  
MAY Invisible Antennas  
JUN More on Current Flow  
JUL Those Triangular Towers  
AUG Solar Batteries  
SEP Sony 2010 Battery hints  
OCT Wireless phone jack system makes new monitoring target  
NOV Oto Xplorer cellular restoration  
DEC Hand-held radio stand

#### CLOSING COMMENTS

JAN Equipment: Room for more?  
FEB The Scam That Wouldn't Die (Spectrum Antenna)  
MAR A Theory of Technological Evolution  
APR The Telecom Act - More protection than we need?  
MAY War of the Web: Round Two (by David Lindsay)  
JUN State of the economy  
JUL Radio Listeners: Are we really a threat?  
AUG Random Reflections  
SEP What the Heck is PCS?  
OCT The Pendulum Swings  
NOV Reporting What You Overheard - Is it ever legal?  
DEC Greetings from MT staff

#### COMPUTERS & RADIO

JAN SatellitePro (Zephyr Services)  
FEB Lowe Airmaster 2.0 ACARS decoder  
MAR Market Watching; Scan Star Update  
APR AEA ACARS; ScanCat hardware - UniVersatile Interface  
MAY CAT squelch adapters (Yaesu, ICOM, universal)  
JUN K&L Message Tracker  
JUL Predictions / CD ROMs (HamCall and Electronic Software Compendium)  
AUG AEA's new software: Pakratt for Windows 2.0, Log Windows  
SEP WinRADIo: 0.5 to 1300 MHz  
OCT WinRADIo: Win-win?  
NOV News bytes, and Universal Radio ACT-1 ACARS  
DEC Surfing for Monitoring Web Sites

#### DEMAW'S WORKBENCH

JAN Build a Multipurpose Broadband Amp  
FEB Learning to Work with Diodes  
MAR Easy Circuit Boards  
APR Minimize Man-Made QRN  
MAY Build a Noise Squelcher  
JUN How to Tune Random-Length Antennas  
JUL Revitalizing Older Receivers  
AUG One Feed Line-Three Antennas  
SEP Choosing the Right Capacitor  
OCT Simple Receiver for the Beginner  
NOV Working with Toroids  
DEC Be a Mini-MF or LF Broadcaster

#### DIGITAL DIGEST

JAN Internet for utilities  
APR High Seas Hi-Jinx (SITOR msgs)  
JUL Digital Comms on Air and Sea (DACARS, Russian RTTY, USCG System Coordination Net)  
OCT Review: Hoka Code-3 Gold

#### EXPERIMENTER'S WORKSHOP

JAN Upgrading Computers - Part 3  
FEB Upgrading Computers - Part 4  
MAR PRO-26 S Meters and NFM Discriminator Magic  
APR Ways to Design Circuits - Part 1  
MAY Ways to Design Circuits - Part 2  
JUN Ways to Design Circuits - Part 3  
JUL Ways to Design Circuits - Concl  
AUG LED Voltmeter  
SEP Tone Detector-Decoder  
OCT Directional Scanner Beam  
NOV ProbeScope from Radio Shack  
DEC Freq Record-keeping made easy (APFTools)

#### FEDERAL FILE

JAN Dept of Agriculture; Mineral Mgt Service; winter resolutions; Army police  
FEB FEMA telecommunications; Federal security, gov't or private? security freqs  
MAR Guarding Royal Visitors; Latin American military freqs; Gulfport Navy Seabee Center; US Forest Service Calif freqs; lesser-known Dept of Justice freqs; Yellowstone Park  
APR Alaska, HAARP; Army Corps of Engineers; Wright-Patterson AFB; NY area & McGuire AFB freqs

MAY Mountain or Molehill? (unid rpt); Wash DC Monitoring  
JUN Gov Surveillance Freqs - To publish or not to publish?  
JUL Eavesdropping on Houston's Mission Control Center; Manchester, KY, federal prison; Postal Inspection freqs; Disaster Preparedness unused freqs?  
AUG Towers off Key West related to Fed agency office closings? Privacy soapbox; websites  
SEP Coast Guard to the Rescue; Radio Shack wireless transmitter sale  
OCT Federal freqs at the Olympics; Feds on INMARSAT; Bureau of Prisons; Cactus; Gulf towers again  
NOV Telling who's who without a program; Nat'l Forest freqs; low power freqs  
DEC Modern Technology Catches Up (K&L Message Tracker); Fed Protection Agencies; Radio Traffic at OKC; no freqs off-limits

#### K.I.S. RADIO

MAR Buying equipment (recycled)  
JUN CB - The Ultimate Frugal Radio  
SEP Mobile Installations  
DEC Packet for the Penny-Pincher

#### MAGNE TESTS

*(Reprints of Magne Tests reviews are not available.)*

JAN Lab measurements and features  
FEB Sony ICF-SW1000T  
MAR Grundig Traveller II  
APR AOR AR7030  
MAY Drake R8A  
JUN Radio Shack DX394  
JUL Sony ICF-SW40  
AUG Drake SW-1  
SEP Sangean ATS 909  
OCT BayGen Free-Play  
NOV Drake's Little Secret: the "SW8A"  
DEC Sangean ATS 303 Portable

#### NET NEWS

JAN Sites that combine technologies  
FEB How to get on the Internet  
MAR Old-time radio on the net  
APR No News is Not Good News  
MAY Beating our own Drum (Grove site)

JUN Audio on the Internet

### ON THE HAM BANDS

JAN Using old commercial gear  
FEB Surplus Saga Continues; Hamcalc  
MAR A Computer in the Ham Shack  
APR Info Sources for the New Ham  
MAY Better QSO's; Games; Vibroplex Bug; boat mount; Field Day  
JUN Amplitude Modulation; Phonetic Alphabet  
JUL Going Mobile  
AUG Building QRP  
SEP Low Band Lowdown, equip and antennas; Vibroplex key IDed  
OCT Plotting the MUF (Bandaid); QSOs  
NOV Heath HW-9 drift fix and offset adjustment  
DEC Apartment Dweller's Joystick

### OUTER LIMITS

JAN Quebec Clan; new Black Book editor  
FEB Pirate Radio book; Fundacion home page; KIWI still heard; FCC downsizing  
MAR '94,'95 Pirate Activity; Weiner's New Ship; Ham Band Pirate; Pirate Book  
APR La Voz del Cid, La Voz Popular; Local FM Pirates  
MAY Cuban Clans, Web sites, Texas pirate, local pirates, PiPa/FRW merger  
JUN Micro Pirates Widespread; Radio Alpha jamming RHC; Cumbre book project; Pirate awards; when to hear pirates  
JUL Govts Close Community Radio Stations; Clandestine Web sites; Pirate Radio Directory; K-2000 popular pirate winnter  
AUG NA Pirates Heard in Eur & Asia; Bougainville Verie; Europirate web sites  
SEP Nigerian RDI changes sked; Costa Rican station arrests; Tasmanian pirate  
OCT R. Patria Libre returns; R Democrat Intl; Greek MW pirates; RFS mail trouble; KAOS official QSL  
NOV New Name for Nigerian Clan; Bougainville pirate? Wellsville maildrop replaced; FRN

Grapevine returns; Europirate reception

DEC Need more pirate sources?; R Kudirat time change; R Patria Libre sked; R Marti

### PCS FRONT LINE

OCT Emerging PCS Technologies: FCC auctions; narrowband; broadband; unlicensed, Sprint Spectrum  
NOV Cellular history, frequency divisions, duplex; why PCS is no substitute for public service agency trunked radios  
DEC Cellular Signalling; modern-day scams

### PLANE TALK

JAN Volmet weather; City/Airport IDs; aero software update  
FEB Commercial Ground Stations; Domestic VHF Voice Services  
MAR Frequently Asked Questions  
APR The Bay Area TRACON  
MAY 50 Yrs before the Concorde (Lockheed Constellation); more Volmets  
JUN Readers' Corner - City codes; Sea-Tac freqs; "Lifeguard" flights; Dakar Aeradio; aero disk offer  
JUL Oceanic Air Traffic Control new system  
AUG Airport Ground Control  
SEP SELCAL Directory; Cincinnati and Louisville freqs; Terminology; contest  
OCT Radio Navigation: Radio Beacons  
NOV Omni-Directional VHF/UHF NAVAIDS  
DEC NAVAIDS: distance measuring equipment

### RADIO REFLECTIONS

FEB World's Oldest non-US Station; Silicon Valley - hi-tech roots  
MAY The Baron of Homespun - Powell Crosley  
AUG SWLing in the Early 40s  
NOV Real Radios Glow in the Dark (re Jack Hofeld of Antique Radio Store)

### SATELLITE TV

JAN Stealth TVRO: Hiding your dish; global updates; MMDS notes  
FEB Making Connections; updates on Telstar 402R, Alphastar, DBS race, HDTV  
MAR New Satellites; HDTV update; AMSAT update; SCPC answers

APR FM in Your Backyard - Audio Subcarriers

MAY TVRO Meets the Internet (Skylink); Transponder Notes; DSS break?; SCPC answers  
JUN Satellite Broadcasting Guide 96 review; FCC supports dish owners; new channels and Anik problems  
JUL Ingenius' Xchange Revisited  
AUG Repairing TVRO Gear  
SEP World Viewing (the International Channel)  
OCT Universal's SCPC-200 Satellite Audio Receiver  
NOV SBCA Show: Futurewatch  
DEC Baylin Pubs: "Miniature Satellite Dishes," Home Satellite TV Installation & Troubleshooting Manual"

### SCANNER EQUIPMENT

JAN Plectron and Motorola Alert crystal scanners  
FEB Radio Shack PRO-2042  
MAR Fixing Older Bearcat Scanners  
APR BC220XLT/BC230XLT  
MAY IF Compendium  
JUN Mods & Tips for BC9000XLT (keyboard trick, add jack for CTCSS reader, expand 800 MHz coverage, auto-store strategy)  
JUL Max Systems discone / Beartracker BCT- 10  
AUG Control Tape Recorder w/your Scanner (BMI Nitelogger II)  
SEP Electra Corporation Lives!; Carrier-activated lamp and backlight disable switch for PRO-2022; baseband audio tap for PRO-2042; hot transformer may be OK; Yaesu FT50R dual-band walkie-talkie  
OCT Radio Shack PRO-2046 Mobile Scanner  
NOV Build a mobile mount for your radio  
DEC AOR's AR5000 All-in-one Receiver

### SCANNING REPORT

JAN Antenna Farms; Curtis ESN phone reader; beeper monitoring; antenna safety; IF explanation

FEB	Staying in Hot Water; Wash & Wear Radio; radar and scanning; mall freqs; line repair crews; movie crews; bear tracking collars	Las Vegas, NV Buffalo, NY Buffalo, NY New York City, NY	Jan May Jul Dec	DEC	Raymond Callsigns; TACAMO assuming Looking Glass role; New Royal Air Force Freqs & Desig
MAR	Scanning at the CES Show; Road-hazard alerting system; Las Vegas freq finding	Lancaster, PA Philadelphia, PA Wilkes-Barre, PA	May Feb Feb	<b>WHAT'S NEW</b>	
APR	Scanning Amplified (preamps); Scanners in Movies and TV; monitoring trunked systems; accurate frequency reports	Anderson Co, SC Conway, SC Seattle, WA	Jan Jan Feb	<b>Books:</b>	
MAY	Scanning on the (W-S) Cable Channel; Trunking survey	<b>SKYLINK</b>		A Basement Seat to History	Aug
JUN	Scanning for Information on Line (Motorola press releases)	JAN	Wireless Publishing	Advanced Television Systems	May
JUL	Scanning into the Wild Blue Yonder (airport scanning); your favorite scanner; convention update; mailbag (Buffalo)	FEB	GPS is Everywhere	ARRL Handbook (74th)	Dec
AUG	Bunking with Trunking; other data activity; trunking in Huntsville, AL	MAR	Rising Tide of Wireless (AT&T, Sprint, Nexus)	Auto Audio	Sep
SEP	Searching for school bus freq; more scanning on cable TV; end of RCMA?; rumor New Hampshire not moving to digital; scanners in movies	APR	Is Wireless for Real?	Broadcast News: Writing, Reporting	Apr
OCT	Wanted-Used Scanners; RCMA Kansas column; all-time favorite scanner	MAY	Let There be Wireless (imminent developments)	Broadcast Sound Technology	Apr
NOV	Mall Call; drive-through dilemma; wrong about NH; digital Olympics?; favorite scanner; Cajun freqs	JUN	Computer LANs going Wireless	CB Modification Secrets	Jun
DEC	The Great School Bus Caper; short history of shared repeaters; using the direct approach; scanners on film; scanning in NYC	JUL	Accurate GPS? Maybe someday	CB Audio	Jul
		AUG	Wireless Web Allocations & news	Clandestine Stations (DSWC1)	Jul
		SEP	Rising costs of wireless phone services	Cop Speak	Apr
				Crystal Radio:History,Fund & Design	Oct
				Crystal Sets (No 5)	Jul
				Easy Calculator Math for Electronics	Aug
				Electronics books from McGraw-Hill	Apr
				Electronic Media Law	Feb
				Emergency Scanning	Mar
				Essential Radio: Travelers Guide	Jun
				Fla Radio Hobby Clubs	Nov
				Global BCing Systems	Jan
				Go Mobile at 500 Watts	Oct
				Guide to Utility Radio Stations 1996	Mar
				Ham Price Guide	May
				Heathkit guide	Mar
				IC Master	Dec
				Inductor Handbook	Sep
				Internet Radio Guide	Sep
				Klingenfuss, Radio Data Code Man	Oct
				Klingenfuss, Worldwide Wefax Serv	Nov
				Lenk's Television Handbook	May
				Low & Medium Freq Scrapbook	Jun
				M-Street Radio Directory	Mar
				Mobile Cellular Telecoms	Feb
				Monitor America (#3)	Jan
				Monitoring Cellular Phones	Feb
				Monitoring the Feds	Aug
				More Antennas out of Thin Air	Oct
				National Scanning Report	Nov
				NRC Distance and Bearing Handbook	Nov
				NRC Night Pattern Book	Jun
				NYC Fire Dept Monitoring	Nov
				Official Connecticut Freq Guide	Jan

**Frequency Exchange** (in state order)

City/State	Issue
Breckenridge, CO	Feb
Windsor, CT	Jan
Jacksonville, FL	Mar
Sarasota/Bradenton, FL	Apr
Atlanta, GA	Jan
Atlanta, GA, (trunked)	Mar
Jefferson Co, ID	Jan
Hanna City, IL	Feb
Jackson Co, GA	Feb
Shreveport, LA	Nov
St. Bernard, LA	Apr
Massachusetts Bay TA, MA	Jan
Bloomington, MN	Jan
Bloomington, MN (revisited)	Apr
Hickory Grove, MS	Feb
Sun Prairie, MT	Feb

Official Conn Freq Guide (pocket)	Jul	Datafile Probe Version 2.0 (soft)	Apr	Grove Noise canceling mobile speaker	Sep
Official Maine Freq Guide	Apr	Dynatech Tactical Comms catalog	Dec	Grove parts assortments	Jan
Official Mass Freq Guide (pocket)	Feb	Early Days of Radio Society	Oct	Grove sun visor mobile spkr	Sep
Official New England Freq Guide	Aug	East Anglian Productions "Don't Touch That Dial!"	Dec	Grove TUN-4A	Feb
Official New Hampshire Guide	Mar	Eddyworks AR8000 Toolkit	May	Grove Universal Converter	May
Pager Handbook for Radio Amateur	Oct	Fire Dept NY videotapes	Feb	Grove Universal Mobile pwr convtr	May
Passport to World Band Radio 1997	Nov	Grove Expo '96 on tape	Dec	Hamco Tape Tenna	Feb
Pirate Radio	Feb	Grove FCC CD-ROM v6.0	May	Hamtronics R139 WeSat rcvr kit	May
Pirate Radio Directory	Jul	Harlan Tech Color Slow Scan TV	Jan	Hamtronics RWX Weather Receiver	Sep
Police Call Plus	Jan	Heathkit catalog	Jan	ICOM R8500	Jul
Radio Listeners Guide	Mar	Hoka Code-3 Gold	Oct	ICOM Improves R8500	Dec
Radio Programming	Sep	Interference Handbook via Web	Jun	Jade Prod gell-cell battery controller	Sep
Railroad Radio	Nov	Marlin P. Jones (cat)	Mar	Jensen Steam Engine	Jun
Same Time, Same Station	Feb	Message Tracker	Feb	Jensen Tools aluminum cases	Mar
Scanner Listener's Reference Manual	Sep	MetroWest catalog	Apr	Kiwa DX-394 filter mods	Jan
Scanner Modifications & Antennas	Jun	Micropower radio news	Oct	Kiwa premium filter for 455 kHz IF	Aug
Scanning w/the Experts	Apr	M*Log logging software	Jul	Kiwa Pocket Loop	Feb
Shortwave Listening on the Road	Jun	Radio Manager for Windows	Sep	Max System 900 MHz discone	Jun
Six Meters: Guide to Magic Band	Jun	Radio Spirits catalog	May	MFJ G5RV antenna	Jun
South Asia Radio Guide	Jun	RAG Electronics catalog	Apr	MFJ-462B Multi-reader	Apr
Spectrum Guide #3	Nov	Rocky Mountain VHF+ (newsletter)	Sep	MFJ-864 Watt Meter	Jul
State PD and SHP Badge Guide	May	SCA brochure from B. Elving	May	Optoelectronics Optolinx interface	May
SW Utility Station DXing	May	SESCOM Constructor's Hrdwr Cat	Jul	Optoelectronics Xplorer	Jul
Transmitter Documentation Project	Mar	Spectrum Wall Chart	Oct	Palomar P-508 Preselector	May
Transmitters, Exciters, & Power Amps	Dec	10-code card	Jan	Radio Plus Q-Stick & Q-S+ antenna	May
Tropical Bands Survey	Jun	Techni-Tool (cat)	Sep	Radio Shack HTX242 Txr	Sep
Tune in on Telephone Calls (#3)	Jan	Telecomm&Multimedia Encyc (CD)	Nov	Radio Shack, new scanners	Nov
Ultimate Spy Book	Jul	The Scanning Club	Feb	Ramsey FM-10,-25,-100	Aug
Visual Dict of Spec Military Forces	Aug	The Wireman	Feb	R.Scott Com, FM transmitters	Nov
Washington-Baltimore Almanac	Feb	TV Guide Specialists (cat)	Jul	Sadelta CB mikes	Feb
Wireless Basics	Jun	WeatherBrief (modem & softare)	Apr	ShieldWorks CyberCap, etc.	Dec
When the Big One Hits	Oct	<b>Equipment:</b>		Sony DSS system	Feb
World Radio TV Handbook #50	Mar	AEA Halo 6-m antenna	Nov	Tucker 2 meter amps	Sep
Worldwide Shortwave Listening Guide	Aug	Aiwa HS-TS500 SW receiver	Jan	Uniden BCT-10 Beartracker	Jan
<b>Software, Videos, Services, etc.</b>		American Tech Corp AM Sounds	Jul	Uniden Pro350XL CB	Feb
AEA ACARS demodulator	Jan	AOR AR5000 receiver	Mar	Universal SCPC-200	Jun
AEA catalog	Apr	AOR AR7000	Sep	Yupiteru MVT-7200	Mar
AEA More University (soft)	Sep	Bilal Isotron 160C vertical HF ant	Nov		
Buckmasters HamCall CD-ROM	Mar	BMI Nitelogger II	Jan		
Business News (USSN, RCMA, Tucker)	Oct	BMI Nightlogger II	Jul		
Business news (from Expo)	Dec	Cherokee AH-27 handheld CB	Oct	<b>Reviews:</b>	
Callbook-on-disk (UK)	Jan	Com Spec TE-64D tone encoder	Dec	ANLI RD8H, RD78H, AT-2 antennas	May
CQ VHF: Ham Radio (mag)	Jan	Cutting Edge Power Port	May	Caig DeoxIT D5	Mar
CyberHam (mag)	Aug	Drake SW1	Jul	DXAID 4.5	Feb
		Drake SW8 case + mods	Aug	GAP "Titan DX" antenna	Aug
		Dressler ara2000 antenna	Mar	Grove TUN-4A	Jun
		Firestik 2MP-4 mobile antenna	Sep	ICOM R-8500 vs. AOR AR-5000 (fea)	Nov
		Firestik no ground plane kits	Oct	LF Eng SkyMatch Active Antenna	Oct
		Grove Deluxe Mobile Organizer	Jul		
		(Grove) Genesys G-1 antenna	Jul		

Optoelectronics OS535 Interface Jul  
Sky Scan Desk 1300 antenna Apr  
Sony SRF-42 AM Walkman Jan

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An Ear to Indonesia Feb  
 HCJB: Sounds from the Equator Jun  
 Hope to Hostages Jan  
 Mozambique Mar  
 Music and SW Radio May  
 Nauen Digital SW Station Nov  
 Radio Miskut, Nicaragua Jan  
 Radio Netherlands Hits the Big 5-0 Aug  
 R Romania Looking Up Nov  
 Shaking Foundations of BBC May  
 Shortwave, Sats, & Cyberspace Oct  
 Visiting the Voice of Russia Nov

### Human Interest:

AI Gross: A master's touch Sep

### Miscellaneous:

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 Effective Emergency Coordinator Mar  
 HR2369: Another Specter Looms Oct  
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 Those Terrible (cell) Towers Sep  
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### Scanning:

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 DMAT - Mobile Medical Teams Aug  
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 Flying with the Angels Mar  
 Military Aviation - Change in the Air Jul  
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 Racing Freqs: a la CARTE Jul  
 Racing Freqs: Charlotte May  
 Scanners at the speedway Apr  
 Scanning Techniques that Work Jan  
 Super Truckin' (racing) Jun  
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 Uniden Parades the TrunkTracker Mar

### Technology and Technical:

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 Ultimate Longwave Setup Dec  
 Under \$30 Antenna Launch Aug

Upgrading the Ocean Hopper Aug

### Utilities:

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 Marconi's California Stations Nov  
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 Signals from Pitcairn Feb

### AMERICAN BANDSCAN

JAN Stations within stations (SCS)  
 FEB The New EAS  
 MAR Did I really hear that?  
 APR Radio in the Frozen North (CBC)  
 MAY Mixed Bag  
 JUN Expanded Band Special  
 JUL Digital News  
 AUG Domestic DX and the Internet  
 SEP Phantoms of the Dials (images, harmonics, etc)  
 OCT Myths of the Domestic Dials  
 NOV Listener's Bookshelf  
 DEC Anatomy of a Radio

### ANTENNA TOPICS

JAN Prehistoric Radio (rx by trees)  
 FEB Is the Sky an Antenna?  
 MAR Easy-Up Beam  
 APR Beverage Directional Antenna  
 MAY The Tao of Antennas  
 JUN Antenna Resonance  
 JUL Where's Ground in a Groundplane?  
 AUG Using a Counterpoise to Aim High  
 SEP The Accidental Radio Signal (static, etc.)  
 OCT Thoughts on Multiband Antennas  
 NOV Antenna Routing Panel for Rapid Switching  
 DEC Half-Wavelength Antennas

### BEGINNER'S CORNER

JAN Finding Time for the Hobby  
 FEB Bells & Whistles  
 MAR Rediscovering the Gee-Whiz  
 APR Websites of Interest  
 MAY Mediumwave Moxie  
 JUN Random Summer Thoughts  
 JUL Nontraditional sources for radios  
 AUG Are You Suffering from LMS?  
 SEP My Receiver Autobiography  
 OCT When Just Any Q Won't Do  
 NOV Undoing a Few Myths  
 DEC Choosing a Handheld Ham Radio

### BELOW 500 kHz

JAN Resources for Natural Radio  
 FEB 1-Watt Wonders  
 MAR Odds 'n Ends (SAQ tx; DXpedition; AirNav webpage; Satnav vs. Nav aids)  
 APR Ken Cornell, Silent Key; Web Update  
 MAY Beacon Basics: equipment, beacons, Art of NDB DXing  
 JUN LDXA Returns  
 JUL Who Lurks in the Basement?  
 AUG Lower ZWI; new VLF tape; loggings  
 SEP Getting Ready; GWEN; Vintage VLF  
 OCT LDXA Winners; DGPS challenge; Inside an NDB  
 NOV Reader News & Updates  
 DEC Basement Changes, Australian DX, Canadian Lowfers, lowfer internet listserver

### BOB'S TIP OF THE MONTH

JAN Remote Monitoring w/baby monitor  
 FEB Improving Audio  
 MAR Bandplanning SW antenna  
 APR Makeshift Antennas  
 MAY R8500, R7100, AR5000 Comparison  
 JUN Simple stand for portables  
 JUL Painless Trunk Tracking (rptr input)  
 AUG MW BC Overload cure; BC-3000XLT keyboard trick  
 SEP Build an All-Purpose Battery Pack  
 OCT Repairing Smudged Displays  
 NOV Mobile Extension Speaker  
 DEC Cheap, effective scanner antenna

### CLOSING COMMENTS

JAN MT: The First 15 Years!  
 FEB Will Scanner Listening Take an Upturn?  
 MAR Gingrich and the Cell Phone  
 APR Opening Statement to House Subcommittee  
 MAY Techno-Terms for the Times  
 JUN The Auctioning of the Capitol  
 JUL Farewell to a Friend  
 AUG Freq Ban Proposal Could End Scanning  
 SEP What's the Big Secret? (about classified frequencies)  
 OCT Guest ed: America's Cacophony to the World  
 NOV Pagers: New Legal Battleground  
 DEC Staff greetings

**COMPUTERS & RADIO**

JAN The Best of the Best  
 FEB DXtreme's SWL Log; APRS; websites  
 MAR Top Pick of Decoders  
 APR Is \$10 Computer a Bargain?  
 MAY Computer Updates; Websites  
 JUN Armchair Flights of Fancy (websites related to aviation; FlyteTrak)  
 JUL Keeping your freqs fresh; ScanCAT Magic  
 AUG Radiorcraft decoding program  
 SEP The Every 2-Yr Computer Blowout; CAT Magic Revisited  
 OCT Radiorcraft, SWRL updates; philosophy  
 NOV CSP Technologies ScannerBase; Kangaroo Tabor WinCAP Wizard  
 DEC Total RecAll; Problems w ith Windows

**DEMAW'S WORKBENCH**

JAN A Simple 455-kHz BFO  
 FEB Home-brewed PC Boards  
 MAR Tuning the End-Fed Antenna  
 APR Eliminating Spurious Signals  
 MAY Active SWL Antenna  
 JUN LF/VLF Converter  
 JUL Handy Battery Tester  
 AUG Breadboards on your PC  
 SEP A Simple Receiver to Build  
 OCT Feedline Tips, Equipment Protection  
 NOV Build a Transistor Checker  
 DEC Monitor the 6-meter Band

**DIGITAL DIGEST**

JAN GMDSS  
 APR ARINC's New Technologies  
 JUL Digital Resources: DACARS, LABELADD, APRS, Hoka Code-3 Gold Update, Universal M-450, Universal M-8000, Selcall DOS, RadFax 0.9. URLs: FEMA, AirNav, WUN, Globe Wireless  
 OCT Major Modes and Protocols

**EXPERIMENTER'S WORKSHOP**

JAN Easy Record-Keeping - II  
 FEB Tools for the Info Age (MS Works)  
 MAR Spreadsheet Electronic Design  
 APR Squelch Improvement  
 MAY Radio to Computer Data Interface  
 JUN Memory expansion for 760XLT, 950XLT, 590XLT, 600XLT, R1600  
 JUL Computer Tools and Utilities for Radio  
 AUG WinRADiO's Spectrum Scope  
 SEP WinRADiO Upgrade Opener  
 OCT WinRADiO - SMT Primer  
 NOV WinRADiO - Sensitivity

DEC WinRADiO - PLL Noise; cable modem services

**FEDERAL FILE**

JAN US Marshals; Southeastern Nat'l Parks  
 FEB Nat'l Forest Service; WHCA chan; More Nat'l Parks; tracking & telemetry; cemetery freqs  
 MAR FBI on 800 MHz; IRS investigators  
 APR Antenna Tip-Offs; Freqs from Readers  
 MAY US Geological Survey; Bureau of Land Management  
 JUN WUNnerful Intercepts; Federal Law Enforcement Training Center, Brunswick, Ga; Fed Supply Service; Law Enforcement Branch; Smithsonian security  
 JUL Summertime Skip; Federal trunking in DC area  
 AUG Fedcom, TrunkTracker radios, and trunkcom; fed trunk sys in Boston, border patrol in VT,NY; Customs in New England; fed freqs from Seattle, Asheville; IFLOWS  
 SEP Feds are talking...but where? Freqs from Kansas City, Mo, Siskiyou Natl Forest, Puget Sound, Camp Pendleton; Feds using FRS?  
 OCT "Privatizing" Fed Comms (using CMRS); DEA bandplan; NSA system; New FCC DF vehicles; Customs  
 NOV P/L Tones clues to feds in Houston; Nextel cell/trunked radio; NY Border Patrol bandplan; examples of modes used by feds, Nuclear Transport Safeguard Net; fed monitoring for newbies; Calif. monitoring  
 DEC Cape Canaveral monitoring; western US reports; Washington area observations; Quantico freqs

**GLOBAL FORUM**

JAN Just another month on SW  
 FEB RCI Not Dead -- Again  
 MAR Why not SW TV?  
 APR New SW Station for Mexico City  
 MAY France Quits SW to NA  
 JUN Monitoradio, WRMI, Give Up SW  
 JUL HCJB Must Move out of Pifo  
 AUG SW Situation Mirrors the World  
 SEP Radio Reading Recommendations  
 OCT Respect for NA Neighbors  
 NOV Nigeria Hit by Opposition Radio  
 DEC Problem of "Wooden" Frequencies

**K.I.S. RADIO**

MAR Simple Antenna Solutions  
 JUN Beloved Boat Anchors

SEP Here We Go A-Roving  
 DEC Tuning in to ATU's (tuners)

**MAGNE TESTS**

*(Reprints of Magne Tests reviews are not available.)*

JAN Sharper Image VA100  
 FEB Becker Mexico 2340  
 MAR Electro Brand SW-3000 Digital  
 APR Sony ICF SW-600  
 MAY International MT718 Portable  
 JUN International MT798 Portable  
 JUL Icom IC-R8500  
 AUG Drake SW2  
 SEP Grundig G2000A compact portable  
 OCT Lowe SRX100/Target HF-3  
 NOV Japan Radio NRD345  
 DEC Grundig Traveller III

**ON THE HAM BANDS**

JAN Making Resolutions (test gear)  
 FEB DX for No Code Techs (working sats)  
 MAR Morse Keys (Kitano)  
 APR Simple Keyer; ham newsletter; new Novice questions  
 MAY New License Structure; domestic QSL Bureau  
 JUN June contests; W5YI Report; SAREX; G4RAW computer board schematic  
 JUL Forward-looking ham radio, Phase IIID, Vanity calls, 6 meters  
 AUG AMSOFT's World of HamRadio CD  
 SEP Simply Delightful  
 OCT Lectrokit SP-1B Spider  
 NOV What's the best HF antenna? (using a transmatch)  
 DEC Hand Held Hamming

**OUTER LIMITS**

JAN Europirate Season; NAPRS; Zaire conflict  
 FEB Radio Free Speech relays; Active Clandestines; Free Radio Weekly; R. Free Lawrence Bust  
 MAR WJDI Power Record; '96 activity record; R Free Lenawee; web site  
 APR Pirates using Internet; R Cochiguaz; Huntsville drop; KIWI; Oromo; R Kudirat, Nigeria; R Tellus; Iowa City Free Radio  
 MAY Micro Pirate Conference; new ACE website; V. of Tibet; Yoder's new books; Numbers Parody; Quello leaves FCC  
 JUN WJDI QSL; Weiner book; FRN/ACE web change; Mexican DX conference; Micropirate activity

JUL Radio Metallica; IL Micropirates; R Butembo; Rep of TX; Carling's pirate links  
 AUG Pirate Loggings Explosion; Metallica retiring?; R Free London; Micropirates  
 SEP Radio Metallica using WJDI txmitter; Cuban clans; Nigerian clans; new FRW address  
 OCT FM Pirates Increasingly Active; Metallica news; R London returns; R Jemima  
 NOV R Metallica moves to ship; Kennard named FCC chair; Voice of Tibet; ACE address correction  
 DEC Holidays Increase Pirate Activity; Cuban clan website; micropirate busts

**PCS FRONT LINE**

JAN Criminal use of cellular  
 FEB PCS Modes  
 MAR Digital Modes  
 APR Fingers in the Spectrum Pie  
 MAY Local Service Scramble  
 JUN The Politics of Encryption  
 JUL The Race is On (FCC auctions, WCS vs PCS, etc)  
 AUG Packet switched networks: ARDIS, RAM Mobile Data, Metricom, Ricochet  
 SEP Stationary Wireless Devices (new cordless phones, unlicensed PCS)  
 OCT The Name's the Thing: CDMA, GSM, NADC; cellular and GPS  
 NOV PCS Showcase(products from PCS show in Dallas); auction woes; Reallocation of UHF TV channels; Iridium update  
 DEC Cellular companies fight fraud; pager eavesdropping; encryption issues

**PLANE TALK**

JAN Instrument Landing Systems  
 FEB Collision Avoidance (TCAS)  
 MAR Air Traffic Trinity  
 APR GPWS in Alaska; Albuquerque freqs; ACARS internet list-server; Types of Radar  
 MAY Pandora's Clock; Airports; ARTCCs; TCAS; SW Airlines expansion; Honolulu & LA, freqs  
 JUN Company Frequencies; Australian aviation  
 JUL Sporty's JD-100 scanner; more company freqs; FAA safety data online; Houston freqs  
 AUG Separation Anxiety; OEDP; MWARAs  
 SEP Charting the Way; MWARAs

OCT Windshear: The unseen enemy  
 NOV The Instrument Landing System  
 DEC Guide to VHF aero freqs; company freq intercepts

**PROGRAMMING SPOTLIGHT**

AUG Culture and the Arts  
 NOV Science and Shortwave

**PROPAGATION CONDITIONS**

JAN Readers' Choice  
 FEB Reception Against the Rules (skip)  
 MAR Propagation Modes  
 APR How do you Slew a Curtain?  
 MAY Flux and the SSN  
 JUN A and K Indices  
 JUL Near Vertical Incidence Skywave  
 AUG Local Broadcasting with NVIS  
 SEP Let's Talk the Same Language #1  
 OCT Let's Talk the Same Language #2  
 NOV Let's Talk the Same Language #3; bibliography  
 DEC Good Month to Hear Auroras

**QSL REPORT**

JAN Welcome to 1997 - news  
 FEB The best link sites  
 MAR Try the Diplomatic Approach  
 APR QSLing the Heavens (sat)  
 MAY Ole Radio Mexico Intl  
 JUN Danke Schon Deutschland  
 JUL All India Radio  
 AUG Kudos to YLE  
 SEP ODXA @ grove.net  
 OCT Radio St Helena Nears  
 NOV Eng Language Programs on Web; AMFMTVDX forum  
 DEC DXing.com internet resource

**RADIO REFLECTIONS**

FEB Trends in QSLing  
 MAY Return of the Crystal Set

**SATELLITE TV**

JAN The 4DTV Gambit  
 FEB State of C-, Ku-, and DBS  
 MAR DBS Services  
 APR Death of T401, Birth of GE-2; Alphastar, DISH, and DSS; HITS  
 MAY DISH Weds Murdoch; AlphaStar; CD Radio  
 JUN Digital Music Express  
 JUL Galaxy 4: One Versatile Satellite  
 AUG The Big Dish Advantage  
 SEP Lessons from the Field (do-it-yourself repairs)  
 OCT Satellite Radio for Your Car: CD Radio & AMRC  
 NOV Sat & TV Handbook, Digital Sat TV, GPS Manual

DEC Q&As re hear audio on scrambled video? recommended used receivers? mount dish indoors? local nets on sat TV?

**SCANNER EQUIPMENT**

JAN Icom R8500  
 FEB Radio Shack PRO-2045  
 MAR Icom IC-R10  
 APR RELM HS200; BC9000XLT labeling tip  
 MAY Icom 8500 update; fixes for BC200XLT audio, BCT-7 expanded coverage, BC9000 LCD, PRO2005 backlight  
 JUN Innovative Scanner Patents  
 JUL BC235XLT TrunkTracker  
 AUG Radio Shack PRO-64  
 SEP Stridsberg Multicoupler; GWiz circuit; using FM trap w/Scout  
 OCT Radio Shack PRO-67  
 NOV Sporty's JD-100 Air-scan; PRO-62 battery save on/off  
 DEC BC895XLT desktop TrunkTracker

**SCANNING REPORT**

JAN Rooting for Rotors; Huntsville Trunking Debunking; Sharing Scanners  
 FEB Trunking Scanners Set to Debut; BearTracker BCT-7 Booster; Tale of Two Scanner Mags  
 MAR Massachusetts Police; R-10 Due; scanner story; Police Call Plus  
 APR In Defense of Scanning; Antenna check; spectrum auctions; Raleigh, NC, freqs  
 MAY Things Scanner Listeners Wish For; race scanning preview  
 JUN Mobile scanning equipment options; end-of-winter antenna wrap-up; NE Ga. frequencies  
 JUL More new portable scanners; scanner priorities; Nellis AFB freqs  
 AUG TrunkTracker Debuts; Trunkcom mailing list; San Antonio TRS; best place to scan?  
 SEP Legislating away our freedom? (new anti-scanner bills); Alameda Cal, trunked system  
 OCT Acts of Congress-II; Seattle Area Trunking  
 NOV Acts of Congress Part III; ultimate scanner; Cleveland OH aero freqs as programmed into Regency TS2  
 DEC Winter scanner planning, equipment, monitoring set-up and programming options; Atlanta area scanning (non-trunked)

**TRACKING THE TRUNKS**

AUG	Getting on Track; decimal vs. hex	NatScan Fast Food freq list	Mar	Cutting Edge PowerPort RF-35, 259	Dec
SEP	Q&As; Cobb Co, Ga, profile	NYC/NJ/Phila Scanner Guide	Jun	Davis WeatherLink 4 for Windows	Jul
OCT	Hex Conversions made Easy; NJ State Patrol	PA directory Jefferson, Clarion Co. Police Call 1997	Feb	Drake R8B	Nov
NOV	Huntsville system profile	Police Call So. California	Jan	Drake SW-2	Jun
DEC	Trunking info on the Web; Baltimore's new system; Escondido, CA, trunked profile	Radio's First 75 Years	Mar	Drake TR270 FM transceiver	Aug
		Radio Monitoring	Jan	Electro 5-band Radio (Heartland)	Jul
		Radio on the Road	Apr	Firestik Fire-Up 99	Oct
		Scanner Listings MI, OH, ON	Feb	Grove SP-200B Sound Enhancer	Sep
		S Asia Radio Guide #10	Feb	HyperDimensional Resonator	Jul
		Successful QSLing	Sep	Icom IC-PCR1000 rcvr	Nov
		Shortwave Listener's Guide (UK)	Feb	Industrial Test Co Powertron 500A	Oct
		Talkgroup IDs/King Co	Dec	JPS Spectrum display for NIR-12	Sep
		The Code-Breakers	Nov	JRC NRD-345	Jun
		Transmitter Documentation Project	Feb	KDKA paperweight	Nov
		Wiretap Detection Techniques	Jun	Magellan MicroCom-M (Grove)	Apr
		Zenith Radio, Early Years (Grove)	Dec	MFJ-281 ClearTone speaker	Dec
			Dec	MFJ Morse Tutor	Mar
				MFJ SlimLine keys	Nov
				MFJ-550 key	Nov
				MFJ 711 TVI filter	Apr
				NewsCatcher (AirMedia Live)	Feb
				Nub Antenna (Grove)	Aug
				O'Gara Mobilephone (Grove)	Sep
				Opto R 11 Near Field Receiver	Dec
				Opto Techtoyz Micro Counter	Nov
				Opto Techtoyz Micro DTMF Decoder	Sep
				Perry suspenders (Grove)	Jan
				PhoneShield (Magellans)	Jul
				RCA RP-6100,6150,6200 scanners	Oct
				Radio Shack PRO-90 (Grove)	Dec
				Realistic Radio Kits (Grove)	Jan
				Sangean SR-77 SW portable	Mar
				SGC PowerClear DSP	Feb
				Skymatch H800 Antenna (Grove)	Aug
				SP-50/FM2 satellite rcvr (Grove)	Sep
				Starbrite Liquid Electrical Tape(Grv)	May
				Svetlana vacuum tubes	Jan
				Uniden BCT-12 Beartracker	Feb
				Uniden LRD6599SWS radar detect	Apr
				Universal M-450 Decoder (Grove)	May
				Universal whip (Grove)	Oct
				Vibroplex Straight Key	Feb
				Water Sound protector	Feb
				WinRADIo spectrum analyzer	Aug

## UTILITY WORLD

JAN	Gov Rediscovered HF?; Bayonne Global on air
FEB	Airline Company HF Freqs; USSTRATCOM Zulu Desig
MAR	National Guard; TX State Guard; Acrobat
APR	The UK Royal Air Force; USAF selcals
MAY	Who's Where in the SW Spectrum
JUN	DXing the Radio Basement (overview of what's on ELF/VLF)
JUL	HF Aero Bands: MWARA, LDOC, Volmet, flight test; single-letter channel markers confirmed as Russian navy
AUG	Scheveningen Radio to Close; Globe Radio Network absorbs KOH, WCC, WLC; Globe freq list; USAF gets new VIP aircraft; Australian maritime radio cuts
SEP	Albrook Global makes final transmission; GHFS tones; USSTRATCOM Zulu Freqs; Mystic Star update
OCT	Military Freq Bonanza; Euro military, ARCN, MARS in Europe, USAF KC-135 Tanker callsigns
NOV	Aero Off Route Changes
DEC	USAF Global HF System

## WHAT'S NEW

### Books:

Access to the Airwaves	Aug
ARRL Antenna Book (Grove)	Aug
Australasian Shortwave Guide	Mar
Build Your Own Transceiver	Jul
Cyber Crime	Jun
Crystal Set Projects (Grove)	Jul
DXpeditions - Autumn 96 (NRC)	Nov
Global Radio Guide	Jun
Heathkit - Amateur Radio Products	Jun
Hunting for Treasure	Jul
Improv...Counterintelligence Apps	Jul
Introducing QRP	Jul
FM Atlas (Grove)	Aug
GMRS Repeater Guide	Aug
Jane's Police and Security Equip	Mar
Klingenfuss Gd to Wx Serv #17	Sep
Klingenfuss Internet Radio Guide	May
LA DXing #6	Sep
MFJ Antennas, Transmission Lines	May

Successful QSLing	Feb
Shortwave Listener's Guide (UK)	Dec
Talkgroup IDs/King Co	Nov
The Code-Breakers	Feb
Transmitter Documentation Project	Jun
Wiretap Detection Techniques	Dec
Zenith Radio, Early Years (Grove)	Dec

### Software, Videos, Services, etc.

AEA sale (business news)	May
Air Force One (video)	Nov
Andrew Corp (cat)	Nov
AOR-8000 caveat (news)	Oct
AOR Hawk software (grove)	Dec
Audioclassics (cat)	Nov
Conet Project numbers CD	Jul
Creative Express ERGO for AR7030	Oct
DataFile Probe V3.0	Apr
Delta Research Deltacomm I-8500	Jan
Digital Audio Logger (Scan*Star)	Dec
DXtreme SW Reception Log V1.0	Apr
Electric Enigma CD	Jun
Electronics 2000 CD	Jul
FCC prohibits selling modified scan.	Sep
Firestik 1997 catalog	Mar
Grove FCC database V6.0	Apr
Grove price drops (news)	Oct
How-to-do-it book catalog	Jul
Klingenfuss '97 SW Freq Guide-CD	Jan
LPB complains re pirates (news)	Sep
MFJ 25th anniversary (news)	Sep
NSA gift shop	Dec
Old West Graphics (cat)	Nov
Radio London products (CD etc)	Oct
Radio Shack (cat)	Nov
SESCOM audio transformer catalog	Mar
Tiare catalog	Jul
Tighter Customs? (news)	Jul
VALCO CBs	Oct
VLF Radio I (cassette)	Dec
Wireman Wirebook III catlog	May
W5YI vanity call research service	Mar

### Equipment:

Allen Abduction Alarm	Jun
Alinco DJ-X10 scanner (Grove)	Jul
AM Sounds (Am Tech)	Oct
AOR AR5000 Plus 3	Nov
AOR AR7030 Plus	Nov
AOR AR8000 withdrawn	Jun
Cutting Edge Powerport	Jan

### Reviews:

Alinco DJ-S41	Mar
Avcom PSA65C Spectrum Analyzer	Dec
Darcy SW Booster	Mar
Magnavox WebTV	Feb
Opto Micro DTMF Decoder	Oct
Radio Plus+ Quantum Stick	Jan
Radio Shack FRS-105	Jun
Radio Shack FRS-108	Apr
Ramsey SM100 Signal Magnet kit	May
Scanner Antenna Comparisons	Sep
Uniden BC895XLT TrunkTracker	Nov
V-Link 2-way radio	Apr

# Monitoring Times 1998 INDEX

## FEATURES:

### Broadcast:

China Radio International	Sep
Inside Italy's RAI	Nov
Logging FM DX	Aug
Mountain Voice (TIS)	Aug
Nigerian Clandestines	Feb
Radio Difusora de Poços de Caldas	Dec
Tropical Band DXing	Dec
WYFR Story	Oct
Zambia's Christian Voice	Sep

### Human Interest:

Excellent DX Adventure	Aug
Jamming Wall	Nov
Real World Radio	Jan

### Miscellaneous:

1997 MT Index	Jan
1998 International CES	Mar
ACE Solar Storm Alert	Feb
Apartment Monitoring	Nov
Art of Professional Dispatching	Jan
Car DXing	Apr
CIA vs. Saddam Radio War	May
Cryptography	Oct
Cypress Gardens Radio Museum	Aug
DXing on the High Seas	Jun
Future According to COMDEX	Feb
Ham Radio for Boaters	Jun
Now it can be told (Greek Is)	Oct
Take a SW DXpedition	Sep
World-Class DXing	Mar

### Satellites

Digital Alternatives in Satellite TV	Dec
Inmarsats and How to Hear Them	Nov

### Scanning:

Baltimore-Wash Intl Airport	May
Blue Angels	May
Close Encounter w/a Twister	Jul
Counter Intelligence	Mar
Identifying Trunked Radio Systems	Dec
Marine Monitoring on Chesapeake	Jun
Mother, Jugs, and Speed?	Jul
Trunking Profile for Atlanta	Jan
VORTAC Goes the Distance	May

### Technology and Technical:

AM Transmitter Site	Apr
Antennas for Emergency Ops	Jul
Canada's Billion Dollar Boat	Jun
Dealing w/Strong Signals (tuners)	Apr
Dual-Band VHF/UHF J-Pole	Apr
Installing Oak Tree Antenna	Apr
LORAN-C Navigation System	Jun
Magnetic Loop Antennas for AM	Aug
Quickie, Snap-on Tower Bracket	Apr
Restoring that old AM Radio	Aug
Safe SHOALS	Mar
Simple Battery Discharger	Mar
Splitting a Signal	Jan
The Ten-Tec Receiver Kit (1254)	Sep

Turntable for Loops	Apr
Use Your Mobile Scanner Antenna	Feb
Varicap Tuned Receiving Loops	Apr

### Utilities:

The Happy Hobbyist (HF scan)	Sep
Monitoring FEMA	Jul
Unlocking the Mysteries of SW	Oct

### AMERICAN BANDSCAN

JAN	A Cool Beverage (antenna); sporadic-e; Kiwa pocket regen module
FEB	What happened to the 10-watters? Expanded band news
MAR	Digital BCing in Canada; expanded band news
APR	Ice vs Towers; call letter changes
MAY	Skip Time; Expanded Band News
JUN	Legal Pirates?
JUL	DX Safety (lightning etc); unidirectional antenna?; record-breaking tropo reception
AUG	New AM Targets; expanded-band news
SEP	DX Predictions (propagation); expanded band notes; Chicago megatower
OCT	'The Expanded Band Times'; Australia & UK BC databases on line, AM stereo page, Denver news
NOV	Beverage Questions; Bits and Pieces from Canada
DEC	¿Habla Español? (IDing Spanish language stations)

### ...AND MORE!

JAN	Family Radio Service--the next CB?
FEB	How to be a hometown hero (Ch 9 emergency monitoring)
MAR	Helping Traffic w/GMRS
APR	Maxon Sp-100G GMRS HT
MAY	Cherokee's Terrific FR-465
JUN	Icom's VHF Marine Transceiver
JUL	Cherokee CB SSB AH-100
AUG	Icom's Potent IC-4008A FRS
SEP	Motorola's TalkAbout( FRS
OCT	Kenwood's Easy to use FreeTalk (FRS freqs)
NOV	Radio Shack's Easy FRS Radios
DEC	Oregon Scientific & Midland weather receivers

### ANTENNA TOPICS

JAN	Antenna faults and how to find them
FEB	Antenna Faults, part two
MAR	Is Your Antenna Resonant?
APR	Building Vertical Antennas
MAY	You Need dB Aware of Decibels
JUN	What's Wrong with my Dipole?
JUL	TDR on a Budget
AUG	Design Your Own Field Day

SEP	The Right Antenna for the Frequency
OCT	Some Hard to Spy Antennas
NOV	Why all the noise about noise?
DEC	Christmas Tree Antennas

### BEGINNER'S CORNER

JAN	Scanning beyond the ordinary (scouting out new freqs)
FEB	Reviewing the Basics (good communications skills)
MAR	QSLing "the Blanks"
APR	Get w/the Amateur Program (books)
MAY	Air Show Fun
JUN	Marine Radio Connections (collecting)
JUL	Mobile Emergency Preparedness
AUG	Summertime Mediumwave Fun
SEP	Planning for SW Season
OCT	"Spooky" Radio Listening (bandscan for the unusual)
NOV	Understanding Radio Waves
DEC	Listening Tips for the Beginner

### BELOW 500 kHz

JAN	Lowfer Update
FEB	Away from Home (DXing), Euro Guide; Low power in Canada
MAR	Pirate Beacons; 73 kHz resources
APR	1912 Remembered (Titanic)
MAY	Hams on Longwave?
JUN	Make Your Own Signals (lowfer transmitter circuit)
JUL	Closer to Getting on the Air (part 2)
AUG	Getting on the Air (part 3)
SEP	LF Exp Source Book; more on the Titanic
OCT	Better Beginnings (converters and how to use, listening targets and directories)
NOV	Tips from Readers: Euro LF, Litz wire, LF loading coils
DEC	Review of <i>Radioscience Observing</i>

### BOB'S TIP OF THE MONTH

JAN	Ultrasonic pest controls
FEB	Emergency Power Supply
MAR	Changing ATS-909 Memory Presets
APR	Preparing Those Trade-ins; More on touch lamp RFI; UPS voltages
MAY	Digital Displays for Analog Radios
JUN	Using the Select-A-Tenna
JUL	Listening to Your Remote Control
AUG	How to record on a radio
SEP	Quiteting theGrove SP-200 Click
OCT	Listen and See your Infrared control
NOV	The "Power Tip" Scam

DEC Using Grove FCC Database with Windows 98

#### CLOSING COMMENTS

JAN Internet Changes Face of Politics  
FEB Thanks Larry; Welcome Hugh!  
MAR Internuts  
APR Whatever Happened to Hydrionics?  
MAY Taking Credit Where Credit Isn't Due  
JUN Bits and Pieces  
JUL Storm tracking could save your life  
AUG FCC Proposes More Protective Rules  
SEP Media Muddles  
OCT Legislators above the Law?  
NOV The Frequency List and the Grain of Salt (guest editorial)\_

#### COMPUTERS & RADIO

JAN Recalling a month I'd rather forget  
FEB Icom PCR1000  
MAR Icom PCR1000 (part 2)  
APR WinRADIO 1000i vs IC-PCR1000  
MAY WinRADIO Digital Suite  
JUN C&R Goes to Paris  
JUL Fixing Win95 Problems (First Aid 97, and Nuts&Bolts)  
AUG Cyberlock Data Encryption Program; Pentium prices falling  
SEP Casio's Hand PC and Windows CE  
OCT First look at WinRADIO's WR1500e  
NOV WinRadio WR1500e; AirData Mouse  
DEC Ten-Tec's under\$300DSP SW receiver

#### DIGITAL DIGEST

JAN How to forecast propagation conditions  
MAR SITOR-A Maritime Mode  
APR SITOR-B  
MAY The First Digital Mode - RTTY  
JUN HF Facsimile  
JUL Decoding 3rd Shift Cyrillic  
AUG Third Shift Cyrillic - part II  
SEP Addressing ACARS  
OCT Who Uses the Digital Modes?  
NOV Digital Equipment Overview  
DEC Digital Reflections

#### EXPERIMENTER'S WORKSHOP

JAN Upgrading WinRADIO: Selectivity  
FEB Computer Programming the PRO-64  
MAR WinRADIO secret files unveiled  
APR Handheld Scanner Backlight Mods  
MAY Revisiting the Homebrew Computer  
JUN Network Your Computers  
JUL Digital Data Interface Revisited  
AUG Data Decoding and Serial Ports

SEP Update on Computer Networking  
OCT Automatic NiCd Cell Discharger  
NOV Automatic NiCd Cell Recharger  
DEC All-Purpose Op-Amps

#### FEDERAL FILE

JAN WH learning to encrypt; midwest freqs--postal inspector system, Dept of Energy; FBI  
FEB High seas counternarcotic activities; US Joint Task Force Drug Interdiction; Itinerants; Agency sharing; auction snafu  
MAR Nextel forces digital switch; fed using trunked systems; results using the Opto Scout  
APR Smoky Mt Monitoring, TVA, Ft Campbell; militay trunking; FEMA aux ops; DEA freq; FBI D bank, and HF freqs; Customs  
MAY Data Freqs in the Fed Bands; More shared freqs; Natl Interagency Fire center; Freqs from Readers  
JUN NTIA and other info from internet; Presidential trips; scanning in Idaho, Houston, Was DC, etc; more freqs from surplus gov radios  
JUL Executive Branch Travels; "Big Hole" Chatham NC; Black Mt CA antenna site; Nextel iDEN system  
AUG Washington goes trunked; Miami news; more treasures from trash; notes from Motorola tour, Facinator radios  
OCT FBI to Obtain New Radio System; Dept of Justice andFBI systems; DEA; TVA  
DEC Who Controls Government Frequencies?; 162 MHz band assignments

#### GLOBAL FORUM

JAN A Good Time for Shortwave  
FEB FCC accepts Weiner application  
MAR Why Women Don't Like DXing  
APR More Catholic Than the Pope?  
MAY BBC Commits to Digital SW  
JUN Hunt Harmonics with Hauser  
JUL Milton Keynes new WRTH HQ  
AUG Nigerian Clandestines Proliferate  
SEP The Problem with Digital SW  
OCT Two Views on Clean Signals  
NOV WBCQ - An Alternative SW Station  
DEC Norway Cancels English Service

#### K.I.S. RADIO

MAR Computers in the Radio Shack  
MAY The Station Engineering Manual  
JUL Survival Communications  
SEP A Simple Antenna for Shortwave  
NOV Heathkit GR-64 Restoration

#### LAUNCHING PAD

NOV Learning to Love Satellites  
DEC Tuning in SW via Satellite

#### MAGNE TESTS

(Reprints of Magne Tests reviews are not available.)

JAN Sony SW-12/ Sony AN-LP1  
FEB Lowe HF-250E  
MAR International R-110; Improve Lowe SRX-100 selectivity  
APR InterNtional WR-689  
MAY Drake R8B - Part I  
JUN Drake R8B - Part II  
JUL Grundig Yacht Boy 400PE  
AUG First look at JRC NRD-545  
SEP AOR's AR5000+3 Receiver  
OCT Sangean ATS404 Economy Portable  
NOV Kneisner + Doering KWZ30  
DEC (no column this month)

#### MILCOM

SEP Welcome to Military Monitoring; Where do you hear the military?  
NOV Atlantic City USCG Station Opens; Navy fleet tac channel; USN on Inmarsat + callsigns

#### ON THE HAM BANDS

JAN Yagi vs. Quad  
FEB Books to build your antenna by; NZ Beacon  
MAR Sobering ham numbers; use the media; 6m AM  
APR More Ham Software (QST View, HamCalc)  
MAY Making the Case for Novice  
JUN Classic Gear; Icom IC-T8A  
JUL Contesting 101  
AUG Using a Transmatch; 10 meter AM  
SEP Cherokee 6 Meter Handheld Milestone Technologies Spanish key  
OCT Kenwood VC-H1 SSTV Unit  
NOV Ham's Christmas Wish List  
DEC More Good Stuff! (Easy Wire Antennas, Vectronics kits, Nye Master Hand Key, RS stores)

#### OUTER LIMITS

JAN R Free Berkeley wins another round; Europirate season; interval signals; SRI txmitter closing  
FEB CID moves to WRMI; Jorge Mas Canosa; WGTG on 6955?; SMR maildrop  
MAR Three sources for pirate logs; Radio San Marino; NA Pirates  
APR How to Hear a Clandestine; NAB vs pirates; pirate freqs; SRS contest  
MAY Micropirate Growth Creates Controversy; SW Pirate Freqs; New Pirate Web Sites, maildrops  
JUN FM busts, thousands still active; pirate web sites; SW pirate activity ; Mid-America conference?  
JUL New clandestine internet news service; Radio 510 offers relays;

FM pirate protest; SW pirates active  
 AUG Nigerian turmoil spawns clandestines; SW pirate activity  
 SEP ODXA expands; R Free Berkeley; SW Relay Service  
 OCT WREC Retires; Millenium R.; Pirate CD; Free Radio Survey  
 NOV WBCQ: Pirate goes legit; FM Pirate Busts; Europirates  
 DEC Voice of the Pig's Ear; Clanny web sites; QSL sources; Europirate skeds

#### PCS FRONT LINE

JAN PCS Takes Shape in 1998  
 FEB The flap over digital decoding (Title III, Walz case), types of digital encoding  
 APR Marketing Strategies (SM cards); 911 on cellular  
 JUN Wireless Networks Taking Shape (AMSC, ARDIS, Iridium) LMDS auction  
 AUG Pinpointing a Cellular Caller  
 OCT Cellular Cryptography  
 DEC Consumer Choices in the Cellular Market

#### PLANE TALK

JAN Aero Terminology; Philly and Pittsburgh freqs; new magazine  
 FEB QSLing the Airlines  
 MAR QSLing a moving target  
 APR Tools of the Tower  
 MAY Tools of the Trade: Radar  
 JUN ATC Center Equipment  
 JUL Flight Service Stations  
 AUG Clearing the Way  
 SEP Curious about the Concorde?; airline callsigns; sample flight plan  
 OCT Coming to Terms with Radar  
 NOV Radar - Part II  
 DEC Aero Freq-for-all (Indpls, Pitts; AF- MWARAs); aero callsign (final in series)

#### PROGRAMMING SPOTLIGHT

FEB Give us 30 Minutes, we'll give you...  
 MAR The Environment  
 APR Eavesdropping on Africa  
 MAY Eavesdropping on Africa - II  
 JUN Play Ball !  
 JUL Which Way VOA?  
 AUG End of the Year Review  
 SEP Make a Resolution to Write  
 OCT SW as a Learning Experience  
 NOV Tracking the Global Economy  
 DEC Holiday programming

#### PROPAGATION CONDITIONS

JAN Diversity Reception  
 FEB NVIS Propagation in NA (part 1)  
 MAR NVIS Propagation in NA (part 2)  
 APR HF Propagation Beacons  
 MAY Carrier Current Broadcasting  
 JUN Cheap Electricity with LF  
 JUL Snow Static!

AUG On the Coattails of Meteors  
 SEP Make this page work for you  
 OCT Ionospheric Modification  
 NOV Where to Listen on the Bands  
 DEC How to Spot Santa Claus (OTHR)

#### QSL REPORT

JAN QSLing the X-band  
 FEB DXing the Bottom of the World  
 MAR Out of this World QSL (Mir)  
 APR AltaVista translation service  
 MAY Transmitter Documentation Project  
 JUN DXing the Underground  
 JUL QSLing in TV Land  
 AUG Where in the World Is...(M-street)  
 SEP China Radio Intl, R Christian Voice, R Finland, AWR  
 OCT An unbeatable DX Season  
 NOV Adventist World Radio; DSCI  
 DEC Tropical Band Survey  
 DEC \_Alaska Calling (KNLS)

#### SATELLITE TV

JAN Panamsat 5 Flies  
 FEB China Central Television (final)

#### SCANNER EQUIPMENT

JAN Test Equipment Bargains  
 FEB More Innovative Patents  
 MAR RELM MS-200  
 APR RCA RP-6150 Scantrak; Uniden BC235XLT glitch?  
 MAY RS PRO-2050 Trunk Tracker  
 JUN Opto DC442 Decoder  
 JUL Coax Stub; PAR Electronics filters  
 AUG Sony ICF-SC1PC WaveHawk scanner  
 SEP Orange Book of Scanner Repair; finding service manuals; tone generating test equipment; monitoring ACSB  
 OCT AOR AR8200 scanner  
 NOV Alinco DJ-X10T  
 DEC RS PRO-91 Trunking Portable

#### SCANNING REPORT

JAN Transformation of HR2369  
 FEB Police Call announcement; storm watch drills; Winston-Salem codes; Beaufort Co, SC, trunking profile  
 MAR Little-used scanner features; calming scanner fears; using VHF beam antenna; CES overview  
 APR We We Do What We Do; Regina trunking; TrunkTracker tips; programming tips  
 MAY The New Band in Town (pub safety); HR 2369 passes House  
 JUN Incident Scanning(with TrunkTracker); Summertime Scanning; Sony scanner; reader letter  
 JUL Twister Search '98  
 AUG Tornado Chasing a Scanning Utopia; Rubber Duckies

SEP The Digital Invasion; Logic trunking; Oklahoma City trunking; NYC trunked system  
 OCT Random thoughts on scanning; new FCC service codes  
 NOV The New Band to Scan; Florida fire comms and Fla. trunking  
 DEC Statewide Systems; Massachusetts Agencies

#### UTILITY WORLD

JAN Flash Comm HF System; GHFS digital tones  
 FEB Wonderful World of Utilities (overview and good-bye)  
 MAR Sea Change in Maritime Mobile Service (CW to GMDSS)  
 APR Does anybody know the time? (WWV and WWVH)  
 MAY We've Got Your Numbers; Mossad loggings  
 JUN Unraveling NATO Identifiers  
 JUL Hurricane Frequencies  
 AUG US Stratcom Zulu Update; DEA Joint Task Force  
 SEP US AF MacDill Signs Off; GHFS moves to Scope Command  
 OCT Spook Radio (spy, clandestine, and number stations)  
 NOV NCS: Swords into SHARES  
 DEC Is there life in MARS?

#### VIEW FROM ABOVE

NOV Keeping an Eye on the Weather  
 DEC Keeping up with the Latest (web sites, Operational WXSTATs; INSAT, Hurricane Georges, America's OSEI)

#### WASHINGTON WHISPERS

JAN New FCC commissioners; Internet Tax Freedom Act; FCC RF Safety guidelines; personalized call signs  
 FEB FCC action against Fla Pirates; the state of microbroadcasting; FCC to move administrative offices  
 MAR Vermont fights federal preemption of telecommunication tower restrictions; Senate and House bills to allow local enforcement of FCC regulations  
 APR Consumers' Top 10 Telecom Concerns  
 MAY FCC agrees to examine "Microstations": 2 petitions  
 JUN FCC makes major revisions to Equipment Authorization Process; Universal Licensing System; GMRS deregulations; Congress pushes for earlier taxation of Internet  
 JUL The FCC: Who they are and what they do  
 AUG How to Participate in the FCC Process  
 SEP Radio Free Berkeley Unplugged; Vanity license reduced

OCT	DES broken; spread spectrum to be open to hams; cell call location debate; APCO to resolve interference complaints re pub safety radio; FCC approved Sky Station; vehicle collision avoidance system gets 4mm ham freqs; Space Station in doubt	AOR US headquarters BradsSoftware Morse Made Easy Citizens Band Review CONET Project SW numbers CD Cyberlock (soft) DataFile Frobe Ver. 4 Defense Reutilization Marketing Svce	Nov Sep Aug Jan Oct Apr Oct	Palstar R30 HF receiver Panasonic GigaRange phones RaceTrac headphones (Grove) Radio Shack PRO-74 race scanner Radio Works T-4G line isolator RELM MS-180, MS-200 (Grove) Replay TV SETI Wow! p;aque	Sep Aug Oct Aug May Jan Dec Nov
NOV	What's Behind the Amateur Restructuring Proposal?	ECONN Gen Merchandise cat EddyWorks AR8000 Toolkit	Jan Aug	SGC-231 automatic ant tuner SGC SG-2020 transceiver	Apr Jun
DEC	FCC Restructuring; Compliance and Information Bureau; FCC move; phone company charges; Motorola interactice radio bc via internet	EEB closed retail store Future Scanning Radiomax soft Get Anything on Anybody (newsltr) GlobeEmail supports new radios Grove FCC Database HamCalc disk Hi-Res Restoration videos Hobby Broadcasting magazine Hobby Broadcasting magazine IPS propagation service Klingenfuss CD-ROM LP Comm Listening Post soft Maptech Terrain Navigator Mouser catalog on line or CD Megatrends Handi-Log Radio Manager 3.896 soft Satellite Times becomes monthly ScanCat 7.20 for 896 (Grove) Sescom web site Serial control cable for 896 (Grove) SETIQuest closed publication Smolinski SS website (Mac soft) Space: A Visual History (CD) Transmitter Documentation website Transmitter Documentation project Trunk Manager soft VisualRadio soft WiNRADiO Digital Suite (Grove)	Mar Jan Oct Jun Jul Mar Aug Jan Aug Feb Mar Nov Jun Apr Mar Feb Mar Mar Nov Aug Dec Jan Sep Mar May Mar	SkyScan Lightning Detector Sony 7600G upgrade (Grove) Sony AN-LP1 antenna (Grove) Sony SAS-AD4 DSS system Sony SC1 scanners (Grove) Ten-Tec PC Radio Trifield Broadband meter (Grove) Trifield MicroAlert (Grove) Uniden HH995 (Grove) Vectronics kits Weather Alert Monitor (Grove) WiNRADIO WR1500 and external units (Grove) WR3000i & MS8002-6 rcvrs (Grove) WR3E VLF rcvr (Grove)	Jul Mar Mar Dec May Sep Dec Nov Jun Nov Jul Jul Oct Jan

**WHAT'S NEW**

**Books:**

Access to the Airwaves	May
ARRL Repeater Dir (Grove)	Oct
ARRL Repeater Dir (Grove)	Dec
Basic Radio	Aug
Communicators Handbook 2050	Dec
Communications Receivers (Grove)	Feb
Complete SWL Handbook (G)	Sep
Cruiser's Radio Guide (Grove)	Feb
Crystal Set Building (G)	Aug
Discover DXing	Apr
EEM Database	Mar
Emergency Survival Comms (Grove)	Feb
Ferrell's Confidential Freq List	Dec
Haruteq Scanner Bk for Qb, Atl Can	Dec
Hitler's Airwaves	Oct
Illegal Police Surveillance	Feb
IRCA Mexican Log	Mar
Jane's Military Communications	Oct
Klingenfuss G to Ute Stations (Gr)	Feb
Klingenfuss G to WW Wx Services	Dec
Klingenfuss Radio Data Code Manual	Dec
Klingenfuss SW Frequency Guide	Feb
Morse Code: Breaking the Barrier	May
NRC AM Radio Log	Feb
NRC Station Location Map Book	Mar
Palm Beach Co Freq Dir	Jun
Passport to Web Radio	Oct
Police Call 1998 (Grove)	Jan
Police Call, So California	Feb
Practical RF Design Manual	Jan
Radio Amateur's Sat Handbook (G)	Sep
Radioscience Observing	Jun
RF Exposure and You	Jul
Shortwave Receivers Past & Present	Jun
Simple, Low-Cost Electronic Projects	Dec
South Florida Trunking Guide	Jun
Trunked Radio Syatems (CA)	Oct
Voices in the Air	Nov
World Radio TV Handbook (Grove)	Feb
WW SW Listening Guide (RS)	Sep
XMIT_ID free software	Aug
Zenith Transistor Radios	Apr

**Software, Videos, Services, etc.**

AirMedia internet antenna	Mar
Antennas West closes/lives on	May

**Equipment:**

Agrelo RDF system (Grove)	Aug
Alpha Delta hydraulic fold-over mount	Sep
American Tech Corp solar-powered radios & flashlight	Jul
ATC FM Sounds miniature radios	Aug
ATC Calculator Clock Radio	Nov
AOR AR-8200 (Grove)	Jul
Cutting Edge Ent power supplies	Jul
Cutting Edge Radio Glove	Nov
Davis Wireless Weather Station	Nov
Everhardt Trucker's Wx antenna	Dec
Firestik Trunk antenna mounts	Apr
Grundig Mini World 100	Sep
Garmin GPS receivers (Grove)	Jun
Icom IC-746 Transceiver	Nov
Innovative Technology RV/marine surge protectors	Jun
Jade Optically Coupled Regen rcvr	Sep
Kiwa Regeneration Module (Gr)	Apr
Kiwa Earth Monitor	Aug
Magellan GSC100 (Grove)	Apr
Magellan GPS ColorTRAK (Grove)	Oct
MFJ-310HT window mount clip	Apr
MFJ-969 AirCore tuner	Apr
MFJ-152 Thermometer Clock	May
Mirage Docking Booster	Jul
MTS Emergency Alert Radio	Dec
Nil-Jon VHF/UHF antennas	Aug
Optoelectronics OptoCom	Jul

**Reviews:**

BayGen Freeplay 1 & 2 radios	Jul
Creative Express Corp Ergo 3 soft	Mar
Icom IC-T8A Tri-band Transceiver	Aug
Future Scanning Sys Radio Max	Oct
Kiwa Earth Monitor	Nov
MFJ Gian Display Calendar Clock	Sep
MFJ-418 Morse Tutor	May
Opto MicroCounter	Jan
Opto RF Detector	May
Opto Tracker	Jun
Palomar Loop Antenna System	Apr

# Monitoring Times 1999 INDEX

## FEATURES:

### Broadcast:

Around the World by Radio DEC  
 Behind the Mic at Columbia Square MAR  
 Radio Australia looks to the Future FEB  
 Radio Canada Intl SEP  
 Song of the Coconut Is (Indonesia) OCT  
 The New VOA AUG  
 TIS - Original Microbroadcasters NOV  
 Turning Point for Intl Broadcasting JAN  
 1998 Shortwave Year in Review MAR  
 193rd Special Operations Wing JUN

### Human Interest:

Alone on the Pacific (Mick Bird) MAY  
 A Volunteer for the CG Auxiliary APR  
 Eyewitness at the Solar Eclipse OCT  
 My First Radio SEP

### Miscellaneous:

A Common Date/Time Standard JAN  
 Compliance Enforcement at FCC MAY  
 Privacy Bill Resurrected APR

### Satellites

GPS and ITS MAY  
 Join the Search for ET JUN  
 Live Pictures from Mir JUN  
 Tuning in to Radio via Satellite MAR  
 Weather Satellite Primer JUL  
 Whispers from the Cosmos JUN

### Scanning:

DXing the VHF Low Band OCT  
 Guide to Aerial Refueling MAR  
 How to Identify FM Skip FEB  
 MD State Police Helicopters AUG  
 San Diego Regional Comm Sys OCT  
 Scanning across the Pond JUL  
 Scanning in Las Vegas JUL  
 Tracker Tips SEP  
 Tuning in to the Power Grid DEC  
 Vacation Scanning at Yellowstone JUL

### Technology and Technical:

Aerial Magic APR  
 Aiming Your HF Antenna DEC  
 Alternative Power Set-up JAN  
 Build Your Own Wx Station AUG  
 Back Yard Beverage APR  
 Construct an L-Band Feedhorn APR  
 Filters - the Critical Element DEC  
 Hey, hey, hey - It's Y2k OCT  
 Improvements to the Sony 2010 AUG  
 Monitoring Strategies for Y2k NOV  
 OptoCom receiver review MAY  
 Quadraform LF Loop Antenna NOV  
 Radio Propagation and the Sun FEB  
 Random Length Wire Antenna APR  
 Tape Recording from the Radio SEP

### Utilities:

DXing Latin America by Air SEP  
 Homing in on LF Beacons NOV  
 Monitoring the Crisis in the Balkans JUN  
 The Rise and Fall of WCC DEC

Time Standard Stations JAN DEC The Popular Half-Wave Antenna

## AMERICAN BANDSCAN

JAN Bits and Pieces  
 FEB DXing on the Road; expanded band news; bits & pieces  
 MAR TLSa (three letter acronyms) and other annoyances; applicants for CBC AM channels; expanded band map  
 APR Beaming In (directional arrays)  
 MAY Domestic DXers Abroad; expanded band news; harmonics  
 JUN Book reviews of *AM Broadcast Stations*, *AM Radio Log*, *FM Atlas*; Expanded band news  
 JUL FCC Online; bits&pieces  
 AUG IDing that unID  
 SEP New and Improved; operational expanded band stations  
 OCT Fading - is it inevitable?  
 NOV Bits&Pieces  
 DEC Y2k and Broadcasting; US-Mex agreement on expanded band  
 Crystal Ball; digital TV DX; other services on 1610

## ...AND MORE!

JAN Maxon's Full-Featured FRS-214  
 FEB Cherokee's Potent FR-460  
 MAR Motorola's New TalkAbout TA280  
 APR Motorola's TalkAbout Distance GMRS  
 MAY Cherokee's FR-465plusVW FRS; 47 CTCSS tone table  
 JUN Cobra's Formidable Line of MicroTalk FRS Radios  
 JUL Drake FRS Sport 110 Raises the Ante  
 AUG GMRS Rule Changes  
 SEP Maxon's High Quality GMRS 21X  
 OCT First Alert WX-67  
 NOV Oregon Scientific WR-102 Wx radio  
 DEC Cobra's Innovative MicroTalk Weather FRS radio

## ANTENNA TOPICS

JAN The Half-Square Beam; *Antennas and Technique for Low-Band DXing*  
 FEB What difference does a dB make?  
 MAR Handy Tool for Antenna Work (MFJ 259B)  
 APR What Does an Antenna Do?  
 MAY Direction Finding Techniques and Antennas  
 JUN Repeaters and their Antennas, cavity resonators  
 JUL Vacation with an Antenna  
 AUG Antennas Designed for Reception  
 SEP What is a "DX Antenna"?  
 OCT Remote-Control of Antennas  
 NOV The many faces of lightning

## BEGINNER'S CORNER

JAN Around the World Yet Again  
 FEB Getting Started in Amateur Radio  
 MAR Indoor Antennas and More  
 APR Great Radio Reads  
 MAY Setting up a monitoring post  
 JUN Kit Building the Uncle Skip Way  
 JUL Special Summer Listening (weather events, circus and fairs, sports, special event stations and DXpeditions, random tuning)  
 AUG Radio Tools from the Office Supply Store  
 SEP Listening 101  
 OCT Developing Logging and Confirmation Skills  
 NOV That Pesky Propagation  
 DEC Keep on Having Fun!

## BELOW 500 kHz

JAN Nipping the Noise; Beacon directory  
 FEB Lowfer Update; GWEN gone; new LF band?; hunting for S118  
 MAR Voice BCs on Low Freqs; active TWEB and AWOS stns; DX camp results  
 APR Longwave towers; West Coast net  
 MAY Longwave Online; loggings  
 JUN Ham Band Update; Euro-Beacon Guide; logs  
 JUL Your FAQs Answered  
 AUG Surfin' for LW Sites  
 SEP Natural Radio - An Introduction  
 OCT Natural Radio - The Hardware  
 NOV Did you know? IDs; call assignments; FAA beacons; splinter freqs; harmonics; homebrew natural radio  
 DEC A Look Back (letter from a former ship radio officer)

## BOB'S TIP OF THE MONTH

JAN Spool Antenna for Portable SWLing  
 FEB Converting an AM/FM for aircraft/public safety reception  
 MAR Hint by the Handful (24 hr time on 12hr watch; check Uniden for RS cost savings; custom cataloging MT articles; dust your radios  
 APR Synchronous detection and Digital RF signal generator for the technically adept  
 MAY Better reel antenna/Memory keep-alive while changing batteries  
 JUN Roll your own NiCds  
 JUL More on the Fat vs. Thin Antenna Wire; More on License-Free Wireless Mike; More on Sony Memory Battery Replacement

AUG Two radios, one antenna; one radio, two antennas  
 SEP Pocket organizers and PDAs, Reducing circuit noise in used rcvrs; Using your car stereo for scanner/sw sound  
 OCT More Sony ICF-2010 Audio Improvements (better audio, better bandwidth); circuit correction for August feature  
 NOV More earphone audio on BC scanners  
 DEC Fixing Intermittent Sony 2010 Battery Operation

**CLOSING COMMENTS**

JAN The Millennium Dilemma: Myth or Monster?  
 FEB Bits and Pieces (ridiculous regulation; Leonid meteor storm; hobby rebound)  
 MAR Great Wailing and Gnashing of Teeth (The Right to Listen; A New Ham Test?)  
 APR Radio Waves and the Human Body  
 MAY The FCC on the Hot Seat  
 JUN Scanner Listeners and the Law  
 JUL The Frequencies, They are a'Changin'!  
 AUG In Opposition to "Technospeak"  
 SEP The Results are In - How Do You Measure Up?  
 OCT Y2k - Myth or Monster? You decide.  
 NOV Looking Back as We Move Forward  
 DEC Greetings from the MT Staff!

**COMPUTERS & RADIO**

JAN A Reflection on Computers & Radar  
 FEB 3.4 Million freqs (Grove FCC database) and the COMDEX Report  
 MAR AirNav 2.10  
 APR DXtreme Software's SWRLgold V3.0  
 MAY Software radio prospects / SkySpy ACARS decoding program  
 JUN Interfacing with the Icom IC-R2 (website to build or buy interface, R2 utility program)  
 JUL Get the Picture with RadioCom 3.52  
 AUG Seeing is Believing with VisualRadio  
 SEP Flight Databases Plus v4.0 ACARS Add-on  
 OCT AirNav 3 - NOT Just a Revision!  
 NOV The Duality of Life on the Internet  
 DEC The Better Side of the Internet (Jet Radio)

**DIGITAL DIGEST**

JAN Who's on Where?  
 FEB Who Uses What? Part 2

MAR Twinplex - SITOR ARQ on the Double; new sequential duplex ARQ system?  
 APR Catch Coquelet-8 before it's too late  
 MAY Gearing up for complex decoding  
 JUN Old systems going strong (Havana, Cairo embassies)  
 JUL Computerized Monitoring Aids (NSK PC Freq Manager)  
 AUG Robust Romania  
 SEP Piccolo  
 OCT Two's Company, Thirty Six is a CROWD; Chinese diplo moving to PSK  
 NOV PSK - HF Digital's Brave New World  
 DEC PSK - Part 2

**EXPERIMENTER'S WORKSHOP**

JAN Mastering the Grove FCC Database  
 FEB Data Decoder Interface for Trunk Following  
 MAR Soup up your Computer for Radio  
 APR Dual Polarity Power Supplies  
 MAY 4-Level FSK data decoder interface  
 JUN Modifying the Sony WaveHawk - baseband audio, data decoding, S-meter, AM and WFM baseband taps, tape recording, backlight, extended memory  
 JUL Computer Update: Trends & Features  
 AUG Tools & Techniques (building and equipping the workbench)  
 SEP Update on Computer Networking - II  
 OCT Computer Tools, Utilities, and Tips for Radio  
 NOV Electroluminescent Panels  
 DEC The End of an Era

**THE FED FILES**

FEB Where have all the fed freqs gone? (Standard Federal Trunked land mobile systems); 163-163.9875 allocations  
 APR Nat'l Disaster Medical Sys; more on 120.375 MHz; 164-164.9875 MHz allocations  
 JUN Monitoring in W. Arkansas; DEA in San Diego; FF updates from readers; 165-165.9875 MHz allocations  
 AUG US Fish and Wildlife Service; 166-166.9875 allocations  
 OCT Fed Files mailbag: NC Feds, More FBI Freqs, US Fish and Wildlife update, Blue Ridge Pkwy; 167-167.9875 MHz allocations  
 DEC Monitoring Y2k the Government Way (by-agency and by-freq listings)

**GLOBAL FORUM**

JAN Update on HCJB's Pifo Problem

FEB "Anything Goes" Gone  
 MAR France Snubs Western English Speakers  
 APR Sunspot Peak; BBC Comes Clean about 3-year plan  
 MAY Antarctica's Archangel on the Air  
 JUN Find it on the web (IBB; SEC)  
 JUL China Sneaks in Cuban Relay  
 AUG Arne Skoog 1913-1999  
 SEP Thanks to Cuba and China, Jamming Continues  
 OCT Deutsche Welle Faces Radial Cutbacks; Don't Miss this Radio St Helena Day  
 NOV WBCQ Celebrates One Year  
 DEC CIDX SW Listener Survey

**HOT NEWS**

JAN Program Changes in a new BCing Season (R Prague, R Vlaanderen, R Netherlands, WRN, Polish R Warsaw, R Australia, R Taipei Intl, BBC America, WRN-1  
 MAR Radio Waves, VOA to Africa, views of earth from space on internet, Art Bell update  
 APR BBC Singapore; DAB portable receivers; ODXA Milestone; EDXP electronic newsletter; Hard-Core DX emailing list; Mac using SWLs on the increase; WRN selected programming  
 MAY DW Radio Worlds; Grove free stuff; WWCR DX block; ODXA Radio Fest; Internet radio; sunspot webpage; NOAA radio; selected programs  
 JUL Kosovo Crisis  
 SEP BBC World TV  
 OCT Radio Republik Indonesia  
 NOV SWL Programs  
 DEC BBC, RN highlights; new SW WTJC, Newport, NC

**K.I.S. RADIO**

JAN "Doomsday Radio"  
 MAR Restoring the Hallicrafters S-38  
 MAY More Mobile Station Solutions  
 JUL Kits to Keep it Simple  
 SEP Audio Enhancing Devices (DSP)  
 NOV Bringing Hidden Treasures to Life

**LAUNCHING PAD**

JAN Is this Mess Necessary?  
 FEB Let's Accessorize!  
 MAR Putting it all together  
 APR Prosat DVB Digital Receiver  
 MAY Satellite Launch Update; mailbag  
 JUN Multi-Satellite Reception with a Fixed Dish; Mail bag  
 JUL Touring the Atlantic Satellites  
 AUG Zinwell DVB Satellite Receiver; joys of digital reception; Bob Cooper  
 SEP Uniden's SQ-590: Last Chance for a Talented Receiver  
 OCT Hot Tips on Cold LNBS  
 NOV Your DVB Questions Answered

DEC DBS Update: The Latest on Small Dish TV

### MAGNE TESTS

(Reprints of Magne Tests reviews are not available.)

JAN Grundig Platinum Traveller Portable; Drake no longer servicing older models  
MAR RS DX-397 Compact Portable  
APR Emergency Radio: Info-Mate 837; Sony introduces ICF-SW07  
MAY Sony's ICF-SW07 ROM-tuned portable  
JUN Luke DP-976 Emergency Radio  
JUL Latest Version of Japan Radio's NRD-545; Grundig Yacht Boy 300PE being introduced  
AUG Grundig Yacht Boy 300PE  
SEP Icom IC-R75  
OCT WinRADIO 1500e PC Receiver  
NOV Virtual Radio: Icom IC-PCR1000  
DEC Kachina's Proposed KC-105CRX Receiver (a look at Kachina KC-505 tx)

### MILCOM

JAN Monitoring the E-8 Joint Stars; Spectrum holes; NJ mil freqs  
MAR The 1999 Air Show Season, Blue Angel and Thunderbird skeds and freqs; US Army MARS freqs and designators; midwest air-to-air loggings  
MAY The Hidden Military Aircraft Band; What's on 138.925?; midwest monitoring; Coronet and HF refueling freqs; N. Fla milair freqs  
JUL USS Enterprise; MCAS Yuma; NG Y2K Exercise; Naval tailcodes & callsigns  
SEP New HF Zulu Freq Found; Mystic Star Update; Randolph AFB; 442nd Fighter Wing presets; Wright Patterson TRS  
NOV The Civil Air Patrol; Des Moines Intl and midwest logs; Have Quick Freqs; MacDill AFB; Military trunking systems survey

### ON THE HAM BANDS

JAN You can bet on this Bob-tail; *Building and Using Baluns and Ununs*  
FEB Restructuring; Radio Shack repeater; *Hiram Percy Maxim*; email  
MAR Let's Talk about Ham Radio; The Internet and the Michigan Mighty Mite QRP transmitter  
APR W6SAI HF Antenna Handbook; QST archive projects - Pitchfork antenna, checkers on the air  
MAY SWLing for hams; Flight of the Bumblebees  
JUN Adventure Radio Society; Light House Day and other special events; Hamcalc Ver 38; ARRL web site and Ike's Soap Box

JUL A Different Antenna (Hentenna)  
AUG Is It High Enough?  
SEP Clandestine Radio (compact and hidden antennas); 6-m FM  
OCT Cutting Your Losses (transmatch); Mosley antennas; entertaining hams  
NOV Ike's Santa List  
DEC Hamming on the Internet; AM freqs

### OUTER LIMITS

JAN Four SW Pirates Busted by FCC; Joe Mama killed; Metallica tx  
FEB SW Pirates adjust to FCC Busts; R Cochiguaz; Stoneham maildrop closing  
MAR Pirate Radio at Winter Fest; R Free Vermont vs. FCC; new S American address; bust update  
APR New editors at Free Radio Weekly; New ACE address; Europirates audible; clannie news  
MAY Jimmy the Weasel bust; *Radio World* endorses LPFM; W807; Europirates still heard  
JUN Radio Free Berkeley Returns; Radio Caroline; Serb Clans?; S Am Pirates  
JUL ANARC Net on Summer Vacation; Schoech QSL page; FCC embarrassed; Radio Eclipse wins Poll  
AUG Jimmy the Weasel Denies Bust; WBCQ schedule; Radio San Miguel  
SEP Numbers Station CD Available (Smolinski); Finn web page; Radiodifusora Paraton  
OCT La Voz de Alpha 66 Founder Dies; South American Pirates; Another micropirate bust; Zantow web site  
NOV South American Pirates; Berkeley Liberation Radio  
DEC Winter Prop Boost Europirates; Clandestine Radio Watch

### PCS FRONT LINE

FEB Protection against cellular fraud (authentication, RF fingerprinting; wireless telephone protection act, subscription fraud, insider fraud, network intrusions); 220 MHz auction  
APR Touching Bases: Iridium, Globalstar, AT&T, Sprint PCS, AirCell; Sony phone warning  
JUN Surfing the Web on a Mobile Phone -- wireless apps, smart phones, GPRS, Bluetooth, Ricochet  
AUG Who Pays for that Cellular Call?; new area codes; new spectrum allocations; Global System for Mobiles  
OCT Iridium Woes; FBI Stalls Satphone Licenses; Dial 911 Anywhere

DEC The Evolution of PCS, Globalstar, Orbcomm

### PLANE TALK

JAN More HF Control Frequencies  
FEB Monitoring Accessories and Activities; western hemisphere MWARAs  
MAR March Madness (humor); ATC separation standards  
APR ATCC simulation; Murphy's Law; Delta map and Salt Lake City freqs, Minn/St Paul freqs  
MAY Enhanced Traffic Management System; Airport surveillance radar  
JUN A Toast to Air Traffic Controllers  
JUL Shanwick Radio; Airport Movement Area Safety System (AMASS)  
AUG Travel with the Flying Pig (videos); A visit to Poland's ATC  
SEP Stockholmradio; SF Bay Tower freqs; transponder code assignments  
OCT Airport Hopping - Balt-Wash Intl, Wash Reagan Natl, Dulles Intl, Chicago Midway, St Louis KS, Kansas City Intl; Light Humor  
NOV Florida Freqs; Chicago O'Hare; Wash DC; Murphy's Law  
DEC Forth Worth ARTCC; book review *Five Miles and a Thousand Feet*; LAX video available from Flying Pig

### PROGRAMMING SPOTLIGHT

JAN Learning to Fish - 1  
FEB Learning to Fish - 2  
MAR The Literate Listener  
APR OK, Where do I start?  
MAY One for the Veteran Listener (quiz)  
JUN Down Memory Lane (answers)  
JUL Traditional Life  
AUG Summer Heat: Sport and (BBC) Controversy  
SEP Music on SW - Evening Prime  
OCT Music on SW - Morning Prime  
NOV Music on SW - Foreign  
DEC Charting a Future for Int'l Broadcasting

### PROPAGATION CONDITIONS

JAN Worldwide Broadcasting Conflicts  
FEB Sounding the Ionosphere  
MAR Causes and Effects of Ducting  
APR Bibliography of the Sun  
MAY Bibliography of the Sun - II  
JUN Knife Edge Refraction  
JUL ELF/VLF/LF Prop Modes - I  
AUG ELF/VLF/LF Prop Modes - II  
SEP - ELF/VLF/LF Prop Modes - III  
OCT Where to Listen in 1999  
NOV How to Use This Page  
DEC Santa Claus - a Man of Many Modes!

### QSL REPORT

JAN Nordic SW Center Website

FEB Double Dutch Treat  
 MAR Sign of the Times? (changing QSL policies)  
 APR Signs of the Times - Part Deux?  
 MAY The SWL QSL card museum  
 JUN You Asked for It (all-reports)  
 JUL Summer Grab Bag  
 AUG Hot August QSLs (RTBF)  
 SEP September, and the DXing is Easy!  
 OCT QSL VHF Low Band Stations  
 NOV DXing India  
 DEC Special QSL Cards for DXers(R Australia and German Maritime Radio)

**SCANNER EQUIPMENT**

JAN AOR AR7000 Wide Coverage Receiver  
 FEB Radio Shack PRO-2066 Mobile Trunking Scanner; Improved feel for Drake R8B tuning knob; Download Uniden user manuals  
 MAR ICOM RS-8500 Software; PRO-34 discriminator output  
 APR Icom IC-R2 Portable Scanner; ITT Mackay Marine 3031A rcvr  
 MAY Remote Scanner Monitoring; Longer MX-4000/4200 battery life; PRO-7A repair  
 JUN Mini-Circuit's ZFSC-4-1 Splitter; more notes on Icom IC-R2; new Electra Corp scanner?; Batteries Plus; Skyway aircraft band converter  
 JUL Racing Electronics RE2000 Alpha Portable Scanner; May column correction  
 AUG AOR AR16 portable scanner; Harris RF-590 receiver  
 SEP Uniden BC245XLT TrunkTracker II  
 OCT Plectron R700 Monitor Receivers  
 NOV Uniden BC278CLT Scanner  
 DEC Uniden BC248CLT Scanner

**SCANNING REPORT**

JAN Flying and Scanning by GPS  
 FEB A Lesson from Boston PoliceRadio; morals about messing with the media; Police Call 1999  
 MAR Future Railroad Scanning (trunking debate); scanning antennas & Nil-Jon antenna review; Massachusetts Monitoring (part 2, completed)  
 APR CES 99 Report; (BC-245XLT announcement) and no-shows; CT state police update; scanner repair (G&G Comm); Ft Worth, TX, public safety sys; Savannah / Chatham Co / Tybee Is., GA, trunked repeater system  
 MAY Scanner MARKeting-You tell us; Disaster monitoring in Canada; Utah Co, UT, trunking; Montgomery Co, PA, trunking; Ericsson plans in N Calif

JUN CT SP on the Move; Nil-Jon antenna follow-up; contributions & queries from readers; Trends in pub safety comms; news & notes  
 JUL The Digital Dilemma; open airwave policy in Las Vegas; Longview, TX, trunking; NWS computer-generated voice  
 AUG The Bearcat 245XLT - What's it all about?; Palm Beach Co Fla sheriff, fire/rescue, W Palm Beach trunked system  
 SEP The Good Old Days (LAPD comms on Adam-12); Scanner Marketing follow-up; Busch Stadium, Halifax, Portland, trunked systems  
 OCT Canadian Digital Scanners; Groton CT Fire Dispatch; Promoting Scanners; Consolidation Continues; Wash State Ops; Southern Linc Blues; Wilmington NC Trunking  
 NOV Big Changes in the Big Apple; scanner marketing follow-up; Wash Co, OR, trunking; new CA business licenses  
 DEC Uniden's SmartScanner (how service works); Trunking Report (Pinellas and Pasco Co, Fla); Police Call excerpt Vol 8

**SERVICE SEARCH**

MAY Marine Radio Monitoring  
 JUN Civil Aero Assignments  
 JUL Gearing up for a Revolution (refarming); Stat e Law Enforcement Agency Allocations  
 AUG Emergency Medical Allocations  
 SEP Forestry Conservation (state & local)  
 OCT Police Service Allocations  
 NOV Highway Maintenance Service  
 DEC Fire Frequency Allocations

**UTILITY WORLD**

JAN Rescue Coordination 1999  
 FEB Listen for USAF Salinas Global (GHFS)  
 MAR More Israeli Intelligence Freqs  
 APR Sunspots (solar cycles and how to interpret solar indices reports)  
 MAY Monitor the Y2K Countdown  
 JUN More Maritime Changes; Numbers update; HWK7 not French Navy  
 JUL Are Planes Going Digital? HF ACARS; More New Star  
 AUG Globe Wireless jumps the Morse ship, Global Radio Network  
 SEP Updated CG Wx Sked; drug war leaves Panama; web ute resources; bogus numbers BCs  
 OCT Spooks around the Clock; More Cuban Strangeness; Spook Radio Schedules  
 NOV US Armed Forces on HF?  
 DEC Y2k, the Witching Hour Approaches - likely activity ,

freqs, dates, agencies, callsigns, nets

**VIEW FROM ABOVE**

JAN Wild and Woolly Weather (WXSATs; RESURS; GOES-8; STS Orbit plus; Kepler element sources)  
 FEB Using Primary Data formats  
 MAR Watching Iraq; operational Wesats; Polar Wesat status; SICH-1 and OKEAN-4; GOES Y2K tests; GOES-L; solstice images  
 APR Scanning the Weather Sats  
 MAY So GOES the weather; DMSP image; new products  
 JUN Storms over Yugoslavia; NOAA-15 Chan 3A,B; NOAA APT Calibration markers; NOAA-15 data drop-outs; Using NOAA data  
 JUL Beauty and the Beast - antennas, computer upgrades; operational wesats; new Chinese wesat; new Landsat launched; new Indian imaging sat; first pics from Insat-2E; correspondence from India  
 AUG Seasonal Satellite Viewing; FengYun-1C; Free tracking software; WxSat launches; GOES-L launch delayed  
 SEP WeSats Here to Stay: GOES Wefax; WXSAT emailing list; GOES-L launch delay; more software and updates; images of hot weather  
 OCT Way to Go, GOES! NOAA information sites; sources of current Kepler elements  
 NOV More on GOES-East; operational WXSATs; short-term outages from GOES  
 DEC T Build or to Buy?; Operational WXSATs; Iceberg Imaged; EMWIN; GOES-East

**WASHINGTON WHISPERS**

JAN FCC Curbs Violations  
 FEB renter's antenna rights; new WTB bureau chief; Sony recall; HDTV future  
 MAR FCC agenda for 1999; coalition petitions FCC to let market determine high speed Internet;; e-commerce and reforming FCC on Congress agenda; low power FM NPRM on FCC website; 19 pirates shut down; equipment approval system privatized and streamlined; real estate alliance appeals satellite dish ruling  
 APR FCC Proposes Low Power FM Service  
 MAY NR514 passes House; Tauzin opposes LPFM; taxing internet coming; Fcc shuts down Vibes 89.1 FM , Grizzly Peak repeater, ham operators  
 JUN Amateur Satellite(was) to Promote Commercial Venture

JUL	From Information Superhighway to Super Speedway!	CAIG catalog, new address	APR	Cutting Edge HAM-Pack	APR
AUG	EAS vs EBS; Israeli ATC vs pirates; reduced Morse code requirements worldwide; area code shortage; FCC investigating 10-10 services; FCC reconsiders slamming; annoying email violate US law?	ComBox has US office	APR	Cutting Edge PocketPRO pouch	JUN
SEP	Low Power BCing Creates Uproar	Computer Intl new website	DEC	Cutting Edge Quick Draw holster	OCT
OCT	LPFM Broadcasting not RFI Threat	Counter Spy Shops	JAN	Damark CellGuard/Safe Guard	OCT
NOV	The Migration to Digital Radio	DataFile's PROBE Ver 5.0 soft	JUL	Electronic Spec modem protection	FEB
DEC	Reply Comments Pour in on to Low Power FM Broadcasting	Drake manuals online	MAY	Everhardt AM/FM/Wx antenna for RVs	
		Due Diligence 2000 (soft)	OCT		NOV
		DW Radio Worlds brochure	JUN	Garmin GPS III Plus (Grove)	JAN
		Electronics Engineers Master catalog on disk and on line	MAR	Garmin NavTalk Cellular/GPS	AUG
		Fisher metal detector newsletter	MAY	GoTalk II FRS radio (Grove)	JAN
		Flightracking via internet	MAY	Grundig Satellit 800 (G)	NOV
		FreeTracker support pulled	JUN	Icom R-2 scanner (Grove)	FEB
		Hamco antenna catalog	FEB	Icom IC-R75 preview	APR
		IC Master on CD-ROM	SEP	Interference filters, AM & FM (G)	JUN
		Guide to Fed Govt Sales	MAR	Kaito Self-Powered Multiband (G)	DEC
		Hamcalc software disk	MAY	KVH secure Tracphone	FEB
		HamCalc 40	OCT	KVH TracVision LM	JUL
		Hammall.com	JUN	MetroWest Rapid Rechargers	DEC
		IC Master online	MAR	MFJ-8121 21 band receiver	JUN
		Icom promotions	DEC	MFJ Atomic Clock,monster display	JUL
		Icom repairs: MalcolmTech Support		MFJ field strength meters	SEP
			JUL	MFJ Helping Hands kit tools	OCT
			JUL	MFJ Jim Handy Interface	MAR
			AUG	MFJ Ni-MH Batteries	OCT
			JUL	MFJ RuffRider mobile antennas	APR
			JUL	MFJ 24-Hr clocks	JUN
			JAN	MFJ shack clock	NOV
			SEP	Milestone Tech TA-1 CW paddle	DEC
			MAR	NCT ClearSpeech Speaker	APR
			DEC	OptoCom available from Grove	MAR
			JUL	Optoelectronics MiniScout (G)	JUN
			NOV	Pelican computer case	JUN
			JUL	PowerSafe 2000	NOV
			SEP	Radio Shack PRO-92, -94, -2052 (G)	OCT
			FEB	RadMan RF field monitor	JAN
			NOV	Receivers for dogtracking (G)	MAY
			FEB	RF Bug	OCT
			NOV	RSM shortwave loop	JAN
			MAY	Sangean SR-2 AM/FM (G)	AUG
			DEC	SETI package from Grove	JUN
			JUN	Snap-Trak, Inc GPS chip	AUG
			APR	Sperryspectrum analyzer (G)	SEP
			OCT	TERK clip-on TV antennas	JUN
			AUG	TrackMaster Arrow Tracking Sys	MAY
			JAN	Triplite Super10 surge protectors	APR
			SEP	Trudell Dish-pod	MAR
			OCT	Uniden BC245XLT (G)	JUL
			NOV	Uniden BC278CLT, 248, 244	AUG
			FEB	Wavecom W40PC DSP card	AUG
			DEC	WorldSpace receivers unveiled	MAR

## WHAT'S NEW

### Books:

AM BC Stn Antenna Systems	MAY	IC R2, IC-Q7A software on line	AUG	MFJ Atomic Clock,monster display	JUL
Antenna Site Operating Guide	APR	Inmarsat mini-M for aircraft	JUL	MFJ field strength meters	SEP
ARRL Wire Antenna Classics	OCT	JPS Comms, leaving ham sales	JUL	MFJ Helping Hands kit tools	OCT
BeaconFinder	JUN	Magellan Geographix website	JAN	MFJ Jim Handy Interface	MAR
Buying a Used SW Receiver	FEB	Magellan S@tellite Modem	SEP	MFJ Ni-MH Batteries	OCT
Collectors Guide to Vintage TVs	AUG	Marbian Productions changes	MAR	MFJ RuffRider mobile antennas	APR
Compendium of RR Freqs	JUN	Midland Consumer Radio recall	DEC	MFJ 24-Hr clocks	JUN
Cop Talk!	AUG	MFJ acquisition of Hy-Gain Ant	JUL	MFJ shack clock	NOV
A DXer's Technical Guide	FEB	MT Express debut (G)	NOV	Milestone Tech TA-1 CW paddle	DEC
FM Atlas (18th)	NOV	Oak Hills Research bought by Milestone Technologies	JUL	NCT ClearSpeech Speaker	APR
Govt Radio Systems: CA	JUL	Optocom utility v 2.1 on line	SEP	OptoCom available from Grove	MAR
Hiram Percy Maxim	JAN	Parnass' RadioMaps	FEB	Optoelectronics MiniScout (G)	JUN
Home Video	MAR	Police Call on CD (G)	NOV	Pelican computer case	JUN
Insanely Great Software WinWeather	JUN	QSLs by W4MPY	FEB	PowerSafe 2000	NOV
Int'l Satellite Directory	SEP	Quebec Freq Dir on disk	NOV	Radio Shack PRO-92, -94, -2052 (G)	OCT
Klingenfuss books:		Radio HF email newsletter	MAY	RadMan RF field monitor	JAN
SW Freq Guide, Guide to Utilities, Radiotelex Messages, Super-Freq List on CD (G)	APR	Radio Mali on CD	DEC	Receivers for dogtracking (G)	MAY
Klingenfuss Guide to Wx Services	AUG	Radio Shopper magazine	JUN	RF Bug	OCT
Ladder Crystal Filters (MFJ)	SEP	Rarities-Exchange.com via sat	APR	RSM shortwave loop	JAN
Mahlon Loomis, inventor of Radio	MAR	Relm discontinues scanners	OCT	Sangean SR-2 AM/FM (G)	AUG
McGraw-Hill Electronics Books	MAY	Rich Wells dealer survey site	AUG	SETI package from Grove	JUN
MT Express Debut	NOV	ScanCat supports TenTec RX320	JAN	Snap-Trak, Inc GPS chip	AUG
NRC AM Radio Log	DEC	SESCOM catalog and give-away	SEP	Sperryspectrum analyzer (G)	SEP
NRC AM Station Map Book	JUL	Skyvision catalog	OCT	TERK clip-on TV antennas	JUN
On the Short Waves	JUN	SmartScanner service now available	NOV	TrackMaster Arrow Tracking Sys	MAY
Police Call 1999 (Grove)	FEB	Swagur-Timestep agreement	FEB	Triplite Super10 surge protectors	APR
Radio Happy Isles	DEC	Swezey DSP filter for SW	DEC	Trudell Dish-pod	MAR
S Fla Trunking Guide	MAY	TDP available on line	AUG	Uniden BC245XLT (G)	JUL
SW Guide to SE Asia	APR	Timestep PROsat for Windows i	APR	Uniden BC278CLT, 248, 244	AUG
The Covert Catalog	AUG	Traffic Radar Handbook on line	NOV	Wavecom W40PC DSP card	AUG
Trunked Radio Systems (Calif)	JAN	Ultimate TIS Digest online	NOV	WorldSpace receivers unveiled	MAR
Trunked Radio Systems (Calif)	OCT	Uniden closures	JUN		
Voices in the Purple Haze	SEP	Uniden BC-245 manual online	SEP		
Weathering the Storm	AUG	WinRadio software upgrades	DEC		
WRTH 1999 (Grove)	FEB	WUN Frequency Guide CD (G)	MAY		
Xtal Set Society, Vol 8	JUL	Yaesu buys Standard	AUG		
Your Guide to Propagation	MAR				

### Software, Videos, Services, etc.

Agrelo DF ing distributor SWS	MAY				
AirNav tracking software	FEB				
Alinco DJ-195T & DJ-V5T HTs	JUL				
aRFive AR5000 software control	FEB				
AR7030 improved	SEP				
Atlantic Ham Radio taken over by Radioworld, Inc	JUL				
Australasian SW Digest (sub)	AUG				
BetaSphere beta testing	FEB				

### Equipment:

AOR Pocket receiver AR16B (G)	JUN				
AOR SDU5500 SDU	JUL				
BayGen lantern (Grove)	JAN				
BayGen Global SW rx (G)	DEC				
Bearcat bonanza (G)	APR				
ComBox SatStream PC	JAN				
Craftsman digital multimeter	SEP				

### Reviews:

Active Duck for HH (G)	DEC				
Alpha Delta speaker / Icom Q7A Tx	JAN				
AVCOM SDM42A SDU	APR				
Bose v. Zenith Challenge	MAR				
Crane/Sangean CCRadio	FEB				
E-Trax software utility	SEP				
EXP-1750 LF transceiver kit	JUN				
JRC NRD545 with VHF/UHF converter	MAY				
Kachina 505DSP	OCT				
Klockit clock kits	NOV				
Kloss Model 88 AM/FM radio	JUL				
MFJ Deluxe Noise Canceling Signal Enhancer MFJ-1026	AUG				
OptoCom receiver (feature)	MAY				
Radio Shack Tuner Control Cleaner					

& Lubricant	AUG
Sony ICF-B200	MAR
Tigertronics BP-2M digital modem	DEC

# Monitoring Times 2000 INDEX

## FEATURES:

### Broadcast:

Antenna Law	APR
Canada's Regional Stations	NOC
DXing the AM BC Band (MW)	FEB
Far Eastern Rendezvous	SEP
Guide to Addresses - Asia, Pacific	SEP
Guide to QSL Addresses - Africa	OCT
Guide to QSL Addresses - S Am	DEC
Independence and Innovation VOA	MAY
Leo Sarkisian: Music Man of Africa	OCT
Listening in on Africa	OCT
Listening In on South America	DEC
Regional Music - Asia, Pacific	SEP
San Francisco's Radio Heritage	DEC
Somalia on Shortwave	JUN
Summer DX Challenge (Baseball)	JUN
TWR on AM from Bonaire (MW)	MAR
Using Music to ID SW Stations	FEB
Visit to Spanish National Radio	NOV
VOA Cuts European Services	APR
VOA Special English	MAY
WCPE: FM Radio for 2000	JAN
WINB Surviving on Shortwave	MAR

### Miscellaneous

Antarctica Communications Today	JAN
Index of Articles 1999	JAN
Moonbounce	NOV

### Satellites

Amateur Radio Survives in Mir	JUL
Decoding the Russian Navsats-I	FEB
Decoding the Russian Navsats-II	FEB
Phase 3D	JUL
Primer on Satellite Groundstations	JUL
SatCom North Arctic Expedition	AUG
Space Action on AMSATs	JUL

### Scanning:

Crisis in North Carolina (ham radio)	FEB
Developing "The Ear" for Radio	NOV
Field Trip for the Scanner Listener	JUN
How Far is "Line of Sight"?	MAR
NASA/Space Shuttle Guide	JUL
Roadtrip! Scanning I-35	DEC
Scanning Salt Lake City	MAY
Scanning Profile of Chicago	OCT
Understanding Handoffs Comms	AUG

### Technology and Technical:

Bluetooth: New World of Wireless	SEP
Budget FM-DX Antenna	MAY
DX Lifesaver: MiniDisc Recorder	SEP
There are antennas and <i>Antennas</i>	APR
Extending the Range of Quad Loop	APR

### 20th Century Nostalgia

Ice Cold Radio: The Byrd Exped	JAN
Forbidden Signals frm Ancient TXer	MAR
Jasper's Antique Radios	JUN
MaritimeMuseum for Monitors	MAY
Monitoring with Vintage Ears	OCT
The Radio War over Vietnam	APR
Voice of Tomorrow Clandestine	AUG
Waiting for the Go Code	JUL

### Utilities:

ALE: HF Comms in New Millennium	
Ham Radio Special Event Stations	SEP
Monitoring Pacific Ocean Flights	AUG
North Atlantic Crossing	AUG

### AMERICAN BANDSCAN

JAN	Propagation by Groundwave
FEB	Mailbag: AM Radio Log, WTIR Orlando, Slinky antenna, new 690/940 occupants, FCC auctions 5 stations
MAR	X-Files Radio - oddities and possible causes; 690/940 occupants IDed; applicants for 740; federal use of TIS
APR	Low Power FM
MAY	Reference Aids
JUN	More Low Power FM; new 3-letter stn in Canada; daytime DXing; more on Slinky antenna
JUL	Popularity Contest (radios used by DXers); new X band stn; skip and other unusual receptions
AUG	That Spotted Ole Sun (solar flux and MW reception)
SEP	It's Back(CBC powerhouse stations); First LPFM filings (esp Atlanta area); MW database websites; deceptive logging
OCT	Timesharing and End of WMAQ
NOV	SRS and SSS (skip techniques); new Xband stn in Idaho; station sold on ebay; WLS nostalgia site; WTFDA concention
DEC	New AM Station licenses; LPFM news; receivers for MW DXing, freq swap in Phoenix

### ANTENNA TOPICS

JAN	Antennas and the new century: above HF, trends, in HF antenna work
FEB	Vehicular Antennas - I
MAR	Vehicular Antennas - II
APR	Antenna Design Programs
MAY	Multi-Band Antennas
JUN	Some Antenna Tests and Measurements
JUL	Building Your Own Antennas (dipole)
AUG	A Legendary Multiband Antenna (multiband dipole)
SEP	Groundplane Antennas
OCT	Survey of Antenna Directivity
NOV	Antenna Books: ARRL Handbook, ARRL Antenna Book, HF Antennas for all Occasions, W6SAI Antenna Handbook, Practical Antenna Handbook, Aerials series
DEC	Noise - The Arch-Enemy

### BEGINNER'S CORNER

JAN	How House Wiring Works
FEB	File Box Fun

MAR	Of Dropped Shoes and the Future
JUN	Ham Radio
APR	Spring Reading(Pssport, Crystal Bldg, AM BC Antenna Systems, Inside Amateur Radio)
MAY	The Science Fair Crystal Set
JUN	Join the Club
JUL	A Great Tale (DeMaw's Tuna Tin 2)
AUG	Reasonable Recycled Receivers
SEP	New Beginnings for the Beginner's Corner
OCT	Only SWL Antenna You'll Need
NOV	Finding the Perfect SW Receiver
DEC	10 Meters Makes Commuting Fun!

### BELOW 500 kHz

JAN	Beacons Alive and well; identifying new signals
FEB	Prime Time- selected DX beacons; visit to Hammond museum of Radio
MAR	(Building) A Natural Radio Receiver
APR	Buttoning up the Natural Radio
MAY	The Great Outdoors (DXpeditions)
JUN	Catching Up: loggings, log prog; souped-up loop, Loop Antenna Handbook
JUL	Summertime Tips; BeaconFinder Updates
AUG	Tuning in to NAVTEX; DGPS news; Web updates
SEP	Longwave - Many Hobbies in One
OCT	Season Opener (antenna, receiver checks), publications, experimental station, video project
NOV	News, Tips, & Loggings: LW websites, manuals, Litz wire; Canadian postal abbreviations, Scrapbook requests ,logs from BeaconFinder
DEC	Prime Season - Chasing Euros; Beacons; Lowfers; going lower

### BRIGHT IDEAS

JAN	Get Organized
FEB	Lost and Found
MAR	Understanding the Incident Command System
APR	Leashing the Internet
MAY	Getting Geared up for Summer
JUN	Service Search Scanning (discontinued monthly titles)

### CLOSING COMMENTS

JAN	A Scanning Hall of Fame, guest ed by Robt Wyman
FEB	Millennial Musings
MAR	Abolish Morse Code Before It's Too Late! (Fond Memories and Harsh Pragmatics)
APR	LPFM: Democracy on the Airwaves
MAY	Do citizens have the right to listen to public service? Guest ed by Chris Boyd

JUN New Senate Bill Could End Scanner Use!  
 JUL You'll find me in the flea-market! (Dayton Hamvention)  
 AUG Markey Gets His Due, and, Will There Be a Digital Scanner?  
 SEP The Internet: Get used to it, it's here to stay!  
 OCT The Radio Hobby on the Rebound  
 NOV A Domestic SW Service - Pro and Con  
 DEC Holidays Greetings from staff

**COMPUTERS & RADIO**

JAN TalkPCR by QROSoft  
 FEB Plugging & Trunking with WinRadio: WR XRS plug-ins, WR Trunking Option  
 MAR Can software Simplify the AR-8200? AR8200 Workshop; ARC8200 ToolBox by BuTel; ScanCat 7.50 SE  
 APR Handheld Computer Market and GPS for Palm Pilot  
 MAY Tune up that whistle with DSP: Swezey Digital Filter Prog; GNASP1  
 JUN More DSP Filter Progs: Chromasound, SR5 Spectrum Analyzer V2.0, Analyzer 2000, Spectrogram, Spectran  
 JUL Software for the Ten-Tec RX-320: Ten-Tec utility, Dextra, GNR, KF5OJ  
 AUG More Programs to control the RX-320: AT/SWL99, ERGO, N4PY v 1.04  
 SEP When is a PC-Controlled Radio, Not? PCR-1000, PCRPilot3C, RX-320 Controller  
 OCT What to look for in a computer for radio monitoring  
 NOV On-Line Freq Files and Databases: SPEEDX; ADDX Kurier; Prime Time SW; WWW SWL Guide; LI Area Scanning Resource; PeCon; Airport Guide, WW Airport Path Finder; FCC; ILGRadio; conversion programs?  
 DEC Can You Teach an Old Dog New Tricks? [Radio Max 5.4, Scanner Wear 2.5, ScanStar 7.62, Scancat 7.5 SE]

**DIGITAL DIGEST**

JAN Digital Beginner's Freqs  
 FEB Something for Everyone: more beginner's freqs; ALE update; Utility Monitoring Central  
 MAR Voice Frequency Telegraphy Systems  
 APR More on VFT and French Forces  
 MAY Differential GPS  
 JUN Ecoutez vous Francais? (French diplo channels)  
 JUL Got Sync? (IDing signals you can't decode); decoders update  
 AUG Russian Intelligence-Gathering on HF  
 SEP Aid Agencies on HF Radio  
 OCT ALE Networks Update  
 NOV Digital Meteorology

Dec Digital Utilities: Where to Listen, what to log; new ALE net

**EASY ACCESS RADIO**

JAN Sony FRS U-ceiver  
 FEB Sharp Wizard OZ-750  
 MAR Palm IIIe  
 APR Pryme's PR-460 GMRS HTs  
 MAY Alinco's Clear DJ-V5 Dualbander  
 JUN What's New with CB? Cobra and Cherokee  
 JUL Drake Minitalk 99 FRS radio  
 AUG GE Sedona FRS  
 SEP Sangean DT-300VW Wx,MW,TV radio  
 OCT no column  
 NOV no column  
 DEC no column

**THE FED FILES**

JAN Campaign 2000 (federal protection freqs); 168-168.9875 allocations  
 FEB National Interagency Fire Center; 169-169.9875 alloc  
 MAR Mysterious Data Signals in New England; Wildfires in the Southeast; 170-170.9875 alloc  
 APR NASA Trunked Systems; 171-171.9875 alloc.  
 MAY Intl Boundary and Water Commission; Wash DC freqs; 172-172.9875 alloc.  
 JUN SHARES on ALE; FBI aircraft, FEMA freqs; 173-173.9875 alloc.  
 JUL Postal Inspection Profile; 29.9-30.550, 32-33 alloc.  
 AUG Feds in the Civilian Aircraft Band; hurricane season resources; Canadian Fed Freq resource; 34-35, 36037, 38-39 alloc.  
 SEP Gov't Trunking Systems; 40-49.974 alloc.  
 OCT New Federal Bandplans (Itinerant, common use, interagency; Gov Hydro Freqs, Wireless Mics Scanning the Wild, Wild West; Houston, DOE, Idaho; AZ, CO, NV, NM, OR  
 NOV Federal Freqs in Alaska; NASA Comms; Pisgah Natl Forest; Fed UHF land mobile service alloc

**GLOBAL FORUM**

JAN All is not well at VOA  
 FEB Digital Radio Mondiale  
 MAR Latin Am Music Styles Web Page  
 APR This Month's Headlines  
 MAY FEBC Dropping English; DX the Internet; RHC on 1700?  
 JUN Vietnam Gets Canadian Relay  
 JUL Behind "Chiapas, the World Speaks"  
 AUG Radio Verdad QSLs  
 SEP ZimbabweClandestine  
 OCT American Forces Network on SW  
 NOV Yugoslavia Expelled from SW Site  
 DEC Silent Countries Now Webcasting

**LAUNCHING PAD**

JAN Four Best Kept Secrets: Lyngemark satellite charts, SBCA

e-Newsletter, Professional Satellite Repair, smallear.com  
 FEB SWLing with Pictures! Panamsat 5; DXing with a small dish  
 MAR NSS 806 Intl Sat Workhorse  
 APR The LNBF Advantage  
 MAY TVRO Time Machine: YUSA  
 JUN Sat DX Equip for Tight Spaces and Budgets  
 JUL Tuning in SCPC Radio Broadcasts  
 AUG Easy Satellite Service Tips  
 SEP Your Satellite TV Q&A's  
 OCT The ST-6600 MPEGII Rx  
 NOV Int'l TV Viewing and Q&As  
 DEC 4DTV Saves the Day (Maybe)

**MILCOM (odd months)**

JAN Military Trunking Systems: Camp Pendleton, Fort Huachuca; Motorola mil systems; Fed trunking standard groups  
 MAR Air Show Season 2000  
 MAY HILL AFB Trunking; Buckeye State (OH) Milair; Armed Forces Day  
 JUL New Blue Angel Freq; Mil Sat Freqs; 113th Fighter Wing/121st Squadron, 201st Airlift Squadron; Monitoring the Military guide is back  
 SEP Eglin AFB; US Army trunked systems  
 NOV San Antonio Fed Trunk Sys Update; Ft Lewis, Wash; Camp Pendleton; VHF Military Land Mobile Service

**ON THE HAM BANDS**

JAN Hello, Y2k; Onelist web site; 80 metre direct conversion receiver schematic  
 FEB Intro to ten Meters - signals, antennas, gear  
 MAR Restructuring (a personal perspective)  
 APR What? Still no computer?; ARRL asks reconsideration on restructuring; RS HTX 10; band report  
 MAY NOGAnaut transmitter; Amateur Radio 101; Sporadic E skip  
 JUN Beacon Peekin'; summer activities  
 JUL QRP versus QRO; Flight of the Bumblebees; Final Final (Ike's last column)  
 AUG Tried the New Mode in Town? PSK31 (LVH)  
 SEP Welcome to HF Operation  
 OCT The Courtesy of QSLing; CQ WW DX contest; GoldenClassics of Yesteryear; www.tubesandmore.com; QSL Cards by W4MPY  
 NOV The Cult of K2  
 DEC All I Want for Christmas (Dec contests)

**OUTER LIMITS**

JAN How to Pirate and Clandestine BC; NASWA and Winter SWL Fest; Cichiguaz maildrop  
 FEB Pirate Radio programming, Low Power FM

MAR DXing Clandestine Radio Stations; pirate addresses at Schoech site  
 APR Mixed Reactions to LPFM; Mexican Clandestine?  
 MAY WHYP most active NA pirate; Euros on 19 Meters  
 JUN Clandestine Web Sites Rein vigorated; New ACE publisher  
 JUL Peruvian Broadcaster Invades Pirate Band; Pirates Going Legit  
 AUG Mobilization Radio Targets Washington  
 SEP Current Pirate Radio Programming  
 OCT Pirate DX Season; WCPE offer; new web sites  
 NOV Pirating with Cumbre on the Air  
 DEC Best SW Radio Site, Clandestine Radio Com; Holiday Pirates

**PLANE TALK**

JAN Bern Radio; More from BWI  
 FEB Navigational Aids; Ramp rats and related activities  
 MAR Potomac area TRACON; Aero websites; airline info; software updates (AirNav Lite, Xavius)  
 APR Aeronautical Radio, Inc.  
 MAY Continental Airlines Cruisin'; Minneapolis ARTCC freqs  
 JUN Chicago, and the Funnies  
 JUL A Visit to Minneapolis ARTCC  
 AUG Dallas Ft Worth ATC; France's Friendly Skies?; The State of Aviation in Australia  
 SEP Baltimore-Washington Intl update and airline co freq list  
 OCT Welcome to Bay and JFK  
 NOV New York to Kansas  
 DEC Bound for the Northwest: Seattle, Portland airports; ARINC HF freqs; Weather Processors Products (ATC)

**PROGRAMMING SPOTLIGHT**

JAN Charting a Future for SW BCing - II  
 FEB The Best SW Media Programs  
 MAR RNZI Loses Sport; BBCWS Loses Mind  
 APR Don't Overlook These Gems!  
 MAY Things learned at the SW Winterfest  
 JUN The BBC (Yes, Again!)  
 JUL Europe's Summer of the Arts  
 AUG The SWL's "National" Sports  
 SEP Live from Australia: 2000 Olympics  
 OCT So much for that firewall (VOA)  
 NOV Ruminations of a Blocked Writer  
 DEC Half Full or Half Empty?(RN Media Network & R Australia)

**QSL REPORT**

JAN QSLing Mediumwave  
 FEB QSLing Brazilians  
 MAR Ethiopia - Radio from the Horn  
 APR Czech Radio, Past and Present  
 MAY Here comes the sun...shine radio (Turkey)  
 JUN Get Creative (email QSLs)  
 JUL full column of QSL reports  
 AUG Language Translation Software  
 SEP Asia-Pacific Station Websites

OCT African Station Websites  
 NOV Address Update  
 DEC S American website directory

**RADIO RESTORATIONS**

JAN Hello, MT readers, Starting Out, Crystal Sets, Vacuum Tube Detectors  
 FEB Battery Sets of the 1920s: Regenerative, TRF, Superheterodyne receivers  
 MAR The First A.C. Sets  
 APR The Screen Grid Revolution  
 MAY The Radio Becomes a Home Appliance  
 JUN Depression Downsizing  
 JUL A.C.-D.C. Evolution  
 AUG New Twists on Tuning  
 SEP Your Grounding in Safety  
 OCT Equipping your Restoration Workshop  
 NOV Restoring Your First Set  
 DEC Digging into the Transitone

**[ROTATING GUIDE]**

FEB SWL Program Guide  
 MAR Internet Radio Guide: SWBC by region  
 APR Int'l BCers via SAT  
 MAY SWL Program Guide  
 JUN Internet Radio: Ireland on the Internet  
 JUL (no column)  
 AUG SWL ProgramGuide discontinued

**SATELLITE RADIO GUIDE**

**SCPC (even ); Audio (odd)**  
 Satellite Loading Report:  
 JAN Telstar 7  
 FEB SBS-6, GE-5  
 MAR GE Americom Satcom K2, GE-2  
 APR GE-3  
 MAY Telstar 4, Galaxy 7  
 JUN Telstar 6  
 JUL Galaxy 3R, Telstar 5  
 AUG Galaxy 11  
 SEP GE-1, GStar-4  
 OCT Telesat E2, Telesat E-1, Solidaridad-1  
 NOV Solidaridad-2, SatMex-5  
 DEC Morelos 2, Galaxy 5

**SCANNER EQUIPMENT**

JAN Radio Shack PRO-92 Portable  
 FEB Yaesu VF-500 Portable Scanner  
 MAR Uniden Sportcat SC-200 Portable Scanner; MetroWest NiMH battery pack; Uniden Scanner clock radio ergonomics  
 APR Understanding Intermod; PRO-92 follow-up  
 MAY Radio Shack PRO-94  
 JUN Radio Shack PRO-2052 Trunk Tracker  
 JUL Electra Tiger Scan TSA  
 AUG Patches, Crystals, and Review Index  
 SEP Radio Shack PRO-2067  
 OCT ICOM IC-R3 Wide Coverage Receiver  
 NOV AOR AR-3000A

DEC Alinco DJ-X2T Wideband Receiver

**SCANNER LOGS**

JAN Brasstown NC; Chatt TN; Pima AZ  
 FEB Hickory, NC; SC Dept Natural Res; Ga Dept Nat Res; Dahlonega, GA, Army Ranger Trunk sys  
 MAR White Sands NM; Milair FL; Patrick AFB, Cape Canaveral; New Orleans LA trunk sys  
 APR So CA aero; FL milair; MD VHF air-air; Montgomery Co, TX; Kansas City ARTCC; VHF Lo-Band Skip  
 MAY Italian VHF Lo-Band skip; GTE Airfone freqs; cruise log requests  
 JUN LAX; Phoenix Air Cargo; Calif skip; Florida milair; MD state PD; Italian skip logs  
 JUL Avery Co, NC; Mexico VHF assignments; More Italian Skip logs; Space Shuttle audio/video retransmissions by ham radio  
 AUG ASCIET 2000 military exercise  
 SEP MD State Patrol; Chicago Area  
 OCT (no column)  
 NOV (no column)  
 DEC (no column)

**SCANNING REPORT**

JAN Airborne Scanners, grounded again?; new band to scan (746-806); Wash Co, Ore, trunk update; Maine scanning  
 FEB Scanner Industry Keeps on "Trunkin" - comparison of BC-245, PRO-94, PRO-92  
 MAR CES 2000; Police Call Business samples (Fla)  
 APR Passing of Two Scanner Heroes; Relm buying Uniden 2-way business; scanning w/the Palm Pilot; Optoelectronics clarification; 245 keyboard lock; scanning films; CT cops a digital attitude; Hawaiian scanning  
 MAY Some Good Scanner News (Holyoke, Mass); Scanners in the Media; Radio Shack PRO-92 vs Uniden BC-245 revisited; Hershey Park (PA) scanning; Mammoth Mt (CA) ski resort trunked system  
 JUN Exciting New Advances in Scanners; Scanner Master Smart-Link; APCO and convention; Boston area monitoring; Utah Scanning; Kansas City EDACS system; Sparks, NV  
 JUL Itinerant Matters; ECPA Challenge Denied; Boston APCO Convention - Boston and Mass profile  
 AUG It was Great'n in Dayton; Speed Racer Scanning at Daytona; Dougherty Co GA trunked system; websites for scanning Disney; more on wireless mics; tower proliferation  
 SEP News from a Newbie; scanner suggestions; air phones; Wyoming monitoring  
 OCT Airport Scanning, aero monitoring in Michigan, more airport trunking,

ramp frequencies; California aircraft ground crew licenses (Police Call)  
 NOV BC780XLT Update (new features); Daytona FL area trunking update; Jackson MS trunking; Natick MA comm sys; Plymouth MA info  
 DEC Sunshine State not so Sunny (Fla gives contract to Ericsson); MI digital system; W Hartford CT TRS; Puerto Rico TRS; BC780 part 2

**SERVICE SEARCH**

JAN Public Safety pool  
 FEB Public Safety Pool - II  
 MAR Bus: Railroad Alloc  
 APR Petroleum and Power Alloc  
 MAY VHF-low bandplans from Europe (Italy, France); UK cordless phones  
 JUN Fast Food Frequency Pairs  
 JUL Amateur Satellite Bandplans  
 AUG National Civilian Aeronautical Band Assignments  
 SEP New Zealand VHF Band Plans; US Low Band alloc  
 OCT The California Highway Patrol  
 NOV Channel Plan for 220-222 MHz Private Mobile Radio Services  
 DEC Highway Maintenance

**SHORTWAVE EQUIPMENT**

JAN Kaito KA-007 Free-power Radio  
 FEB Receiver News: Watkins-Johnson, Baygen, NASA HF-5E, RN Receiver Shopping List  
 MAR MFJ-784B Tunable DSP Filter  
 APR Wellbrook ALA 1530 Loop  
 MAY Sangean ATS 505  
 JUN Palstar R30 - Back to the Future?  
 JUL Ten-Tec RX-340  
 AUG What do those specs really mean?  
 SEP Synchronous Detection - What is it?  
 OCT What is receiver sensitivity?  
 NOV What is dynamic range?  
 DEC What is receiver selectivity?

**TRACKING THE TRUNKS**

JAN Trunking Theory 101  
 FEB A Trunked System Demo  
 MAR Tracking Motorola Systems (O'Hare; DisneyInd; Arlington, TX)  
 APR Ericsson's EDACS Trunking (Ocean City, MD; Brevard Co, FL; Illinois SP; DFW Airport, TX)  
 MAY Logic Trunked Systems (Chicago, IL; Bloomington, IN; Evansville, IN; Marshfield, MA; Rochester, NY; Milwaukee, WI)  
 JUN The Case for APCO Project 25 (MI state, FL HP, CT state, Mesa AZ, Fairfax Co VA, Baltimore MD)  
 JUL Readers Track the Trunks (Evansville, IN; Albuquerque, NM; Rochester update; Disneyland Update; Austin, TX)  
 AUG Figuring Out Fleet Maps  
 SEP Can These Trunked Systems Deliver?  
 OCT Multiple Transmitter Site Solutions

NOV Mailbag Miscellany: (Allentown, PA; BWI, Sullivan Co, TN; Galveston, TX); BC780XLT, RS PRO-92. BC 245XLT  
 DEC Who's on Where?

**UTILITY WORLD**

JAN Solar Peak, the High End is Back  
 FEB SW Utility: An Alphabet Soup? More Panama changes; Cuban Spook Sked  
 MAR ALE: The Future Arrives  
 APR Black Fax from the Sky; More Panama  
 MAY More Weather Changes - Air Force, Russia, South Africa, Greece, USCG; More French RTTY strangeness  
 JUN US Air Force Air/Ground Net Takes Shape (SCOPE Command ALE system)  
 JUL The Sun Sets on Portishead Radio; new version PC- ALE  
 AUG Hear the Hurricane Hunters  
 SEP KPH Rises from the Dead; RTTY broadcasting?; Will MARS adopt PSK31?  
 OCT To Catch a Spy; Tracking XPH  
 NOV US Military Expanding HF Services, USAF Weather net; Power Control Ided  
 DEC The Guide to MUF Surfing

**VIEW FROM ABOVE**

JAN Seasonal changes: FengYun-2 fixed; software updates WXSAT, WXTRACK; OSEI team monitor volcano  
 FEB What's New in 2000? WXSATS preferred orbits; winter images from NOAA; GOES-89 and -10; Internet site update  
 MAR View from the Top of the Century: Non-APT WXsats, GOES captures the moon, DMSP launch check-out moves to NOAA; APT images of Alaska  
 APR Geoff Perry, an appreciation; Operational WXSATS; software updates; Internet site recommendation; new GOES system hardware; (Mayflower steps)  
 MAY Spring weather, space weather; Operational Wxsats; Sich-1; monitoring solar interference; EXPLORES program; Contrails image; GOES-L launch; archival pics  
 JUN WXsats Turn 40; Fengyun-2A ceases ops; GOES-L ops; GOES wefax transmissions  
 JUL The Launch of GOES-L; Volcano eruption prediction from GOES; Fire monitoring; Operational WXsats, NOAA-12 and 15; Okean-O Resurrection?  
 AUG Surface Events Captured on Satellite; Operational WXsats; Meteor 3-5 early and late; GOES-11 working fine; May Shuttle

launch captured; Los Alamos fire from Terra sat  
 SEP High Resolution Satellite Imagery; New Fengyun wxsat; NOAA-L launch; Op Wxsats; Internet site update  
 OCT WXSATS: A World of Change; NOAA-L Launch; Fengyun-1B; NOA-9 whispers; NOAA WXSATS, a glimpse of the future  
 NOV Readers Get the Picture: pics from readers; glimpse of the future part 2  
 DEC Performance Anxiety (NOAA-L early orbit stages; NOAA-126 infrared; Replacing NOAA-14; Op Wxsats; Geostationary scene

**WASHINGTON WHISPERS**

JAN GB's RA proposes spectrum fees; FCC restructuring; FCC allows GPS in cellphones; cellphone buster illegal in US  
 FEB FCC to Reallocate 200 MHz of Prime Spectrum  
 MAR Ham Radio License Structure Simplified  
 APR FCC Creates Low Power FM Service  
 MAY Radio freqs to become a commodity; guard band managers; software defined radio  
 JUN Anti-Eavesdropping Legislation  
 JUL The FCC Rulemaking Process  
 AUG FCC Proposes new ultra-wideband technology  
 SEP Low Power FM Update  
 OCT One-Stop Shopping at Firstgov; Wm Flipper arrest; Vladimir Petit-Fere arrest; Leslie Brewer fine; CB enforcements; unsolicited junk fax enforcement; FCC budget cut by Congress; FCC puts RF emission safety guide online  
 NOV FCC Crates MURS Service; Other New CB Services  
 DEC Gov Monitoring Raises Privacy Questions

**WHAT'S NEW**

**Books**

AIB Global BCing Guide Feb  
 Amateur Radio - First 100 Years Feb  
 ARRL RFI Book Mar  
 Basic Technology for the Amateur Radio Enthusiast (book & video) May  
 Calypso at Midnight CD Jan  
 Earth Rising Apr  
 Forrest Mims Circuit Scrapbook Jun  
 German Numbers Woman Dec  
 Gordon West license manuals May  
 Govt Radio Systems Dec  
 Guide to VHF/UHF Amateur Radio Jun  
 IRCA Foreign Log Feb  
 IRCA books Aug  
 AM Slogans List, IRCA Foreign Log, DXers Technical Guide  
 Klingenfuss annual references 2000  
 Klingenfuss SW Freq Guide 2000 Jul



# Monitoring Times 2001 INDEX

The entire volume of Monitoring Times 2001 may be purchased on CD. See the Grove online catalog at [www.grove-ent.com](http://www.grove-ent.com) for how to order.

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## FEATURES:

### **Broadcast:**

Broadcasting in Zimbabwe JUL  
 Challenges for Int'l Broadcasting JAN  
 Challenges: Conflict to Cooperaton JUN  
 DXing Mexican Style JAN  
 Hawaii DXpedition MAY  
 KJES JUL  
 Listening In On Europe MAR  
 Listening In South of the Border JAN  
 Listening In On the Middle East SEP  
 Listening to Baseball JUL  
 Meet WJCR SEP  
 QSL Guide to the Caribbean JAN  
 QSL Guide to Europe MAR  
 QSL Guide to the Middle East SEP  
 SWLing from the West Coast DEC  
 WWBS: Little Station That Could FEB

### **Miscellaneous**

ACARS Decoding and AirNav3 AUG  
 Guide to the Marine Bands MAY  
 Guide to the Radio Web JUN  
 Ham Licensing in Canada OCT  
 Index 2000 JAN  
 Monitor's Guide to Maps JUL  
 Who's Listening? Wade Langley AUG

### **Satellites**

Starband vs. DirecPC FEB

### **Scanning:**

2001 Fire Season Scanning JUL  
 2002 Winter Olympics DEC  
 9-11 Infamy Revisited NOV  
 Dept Store Scanning DEC  
 Lower Colorado River Authority FEB  
 NH Scanning (Granite State) AUG  
 Radio Behind Bars (Folsom) AUG  
 Radio on the Radio JUN  
 Scanning Central Florida MAR  
 Scanning Dixie NOV  
 Scanning Fla's Spacecoast APR  
 Washington Under Seige NOV

### **Technology and Technical:**

Fix It, Don't Toss It SEP  
 Folded, folded Dipole for VHF/FM JUL  
 Following Trunked Systems by Computer  
 Generating Power MAY  
 HF Trailer Hitch mount APR

History and Future of Radio OCT  
 History and Future of Radio - II NOV  
 Linear Loaded Quad for 15 MHz APR  
 MF Spectrum Loopstick APR

### **20th Century Nostalgia**

Marconi's Atlantic Adventure DEC  
 Marconi's Favored Hand DEC  
 MT Celebrates 20 Years DEC  
 Recreated Baseball Games JUL

### **Utilities:**

IDing DGPS Beacon Stations MAY  
 International ALE Nets FEB  
 Milcom: Most Enjoyable Channels APR  
 QSLing the World (hams) OCT  
 The Key to the Enigma Cipher MAR

### **AMERICAN BANDSCAN**

JAN Good Books (*AM Radio Log*, *AM Station Map Book*, *FM Atlas*); Expanded Band News; Bits & Pieces  
 FEB Station (tower) Identification; Expanded Band News; Bits & Pieces  
 MAR Stamp Collecting and DX; LPFM news; New stations  
 APR Stakeout! ; Mailbag  
 MAY Radio Graveyard  
 JUN Grounded Loop Antenna  
 JUL Join the Club; bits and pieces  
 AUG Regional Roundup (regional channels); DX and crime fighting; mailbag  
 SEP LPFM on the Air; Over the Air TV  
 OCT Bits and Pieces  
 NOV RDS and Automatic IDs  
 DEC Broadcasting and the NYC Attack

### **ANTENNA TOPICS**

JAN Don't Drink this Beverage!  
 FEB Interesting Aspects of Propagation  
 MAR Antennas Across the Spectrum: VLF-LF  
 APR Antennas Across the Spectrum: MF-HF  
 MAY Antennas Across the Spectrum: VHF-Microwave

JUN Antenna for Low Freqs (active antenna)  
 JUL Antenna for Medium and High Freqs (Marconi)  
 AUG Antenna for VHF and Higher (axial-mode, helical antnna)  
 SEP Some Very Unusual Antennas (winner, other unusual entries present and past); websites  
 OCT Some easy, low-cost antennas  
 NOV Some Basic Antenna Concepts  
 DEC Antennas Near or Under the Earth

### **BEGINNER'S CORNER**

JAN Two Cheap (and easy) Scanner Antenna Solutions; Beginner's DIY - The Attic Mount  
 FEB Your Beginner's Q&A  
 MAR Wireless Whole House Audio  
 APR Satellite TV Update: CB Woes, Scheduled Launches, MPEGII Report  
 MAY Getting Started in 2 Meters  
 JUN The Readers Respond: whole house audio, Grove antenna, etc  
 JUL The \$10 Multi-Purpose Mobile Antenna  
 AUG Motorola's DCII Sidecar (C-band update and solution to digital reception); TVRO Mailbag  
 SEP Roll Your Own DXpedition  
 OCT Getting Started in Scanning  
 NOV The Best Way to Learn Morse Code  
 DEC TVRO Update: MPEGII and HDTV

### **BELOW 500 kHz**

JAN DX Camp Results; WWVB Software; Web Updates  
 FEB The Band is Hot!; Web Updates; New LF Catalog  
 MAR Can You Hear the Lowfers?; Looking Back; Universal catalog available  
 APR Pipeline Reception; Mail Call; Web Resource  
 MAY The Way it Was (maritime); beacon loggings

JUN LF Receiving Antennas: Random Wire; Mailbag; Pipeline Reception Update  
 JUL LF Receiving Antennas -II (loop antennas)  
 AUG LF Receiving Antennas - III (active antennas)  
 SEP First Steps (in LF)  
 OCT Besides Beacons (quick tour LF)  
 NOV A/N Range Signal Retrospect; Longwave Loggings; Morse Code chart  
 DEC 19 Countries on Longwave!

**CLOSING COMMENTS**

JAN Happy Anniversary!  
 FEB Dialogue on Out-of-Band Broadcasting  
 MAR In Tribute (Al Gross, Joe Carr, Bill Orr)  
 APR The Silly Season - It's All Year Long!  
 MAY Loss of Another Friend; Spies Like Scanners Too; FCC Commissioners Bail Out; ARRL Regression  
 JUN Guest Ed: Should a Journalist Head the VOA?  
 JUL Guest Ed: The BBC Should Reconsider  
 AUG Guest Ed: LPFM Hypocrisy?  
 SEP The Changing Complexion of Marketing  
 OCT Guest Ed: How the 24/7, Upgrade, Hi-tech, Roll-out Life Ended  
 NOV America: Land of the Free  
 DEC Christmas Greetings

**COMPUTERS & RADIO**

JAN AOR's SDU 5500 and LCD Basics  
 FEB AOR's Pocket ACARS Decoder ARD-2  
 MAR Voice Command for Your Receivers (Game Commander plus RadioMax)  
 APR Voice Command for Your Receivers (MS Game Voice vs Game Commander 2)  
 MAY What's After ACARS?  
 JUN Where Did the Plug Go? (@Power Strip, Power Strip Liberator, Catch-a-Call, Olitec Total Office)  
 JUL What is an Internet Receiver/Tuner? (iRhythm)  
 AUG DeLorme's GPS Receiver (Earthmate) and Mapping Programs (Road Warrior and Topo USA)  
 SEP Program Help for Pocket Receivers (RT Systems progs for Icom and Yaesu)  
 OCT Son of Propman (Propman 2000) and DXLog Ver. 3.0  
 NOV Software for the 780XLT: WinScan 780 and TrunkStar 780

DEC Software for the 780XLT: ScanCat Gold 8 and ScanPro780

**DIGITAL DIGEST**

JAN More Diplomatic Services  
 FEB Algerian Oil & Gas on HF; Spanish Diplo Service; N Korean KCNA  
 MAR HF Fax Facts; Baltic States and Canadian Forces on ALE  
 APR High Speed Modem Here (Hoka); ALE network update  
 MAY Chirps, Chips, and OTHrs  
 JUN Bulgarian Diplomatic Service; ALE networks update  
 JUL Useful Modes - or Not?; Link 11 System Profile; Tunisian MOI  
 AUG Mysteries Solved (USCG), ALE Update, PACTOR System Profile  
 SEP Czech Diplomatic Service; Two More HF Email Services; Clover system profile  
 OCT UMC moving web site; more ALE network updates; FEC-A system profile  
 NOV Digital Signals FAQ; Amateur digital experiments; new Romanian network  
 DEC North Korean Diplomatic Service; more ALE networks; Rhode & Schwartz HF Systems

**EASY ACCESS RADIO**

MAR Icom 's Neat IC-718  
 APR Cobra's Professional MicroTALK 2000WX  
 MAY Coleman CR-411 FRS  
 JUN First Alert WX-17 and WX-30  
 JUL Icom's Neat IC-706MkIIIG - I  
 AUG Icom's Neat IC-706MkIIIG - II  
 SEP Midland's G-30 GMRS Radio  
 OCT Cobra's SNAP microTALK FRS120  
 NOV Citizens Radio Corps  
 DEC Tech-Link Walkie Talkies; a bad idea from WalMart

**THE FED FILES**

JAN Fed Agencies at Inauguration 2001  
 FEB Weather on Your Scanner; EMWIN BC Areas  
 MAR Monitoring HUD; DOE Los Alamos; FBI in WV; Fed UHF Land Mobile alloc.  
 APR Monitoring a Space Outpost; Fed UHF Land Mobile alloc 412 MHz  
 MAY Federal Aviation Administration; 413 MHz alloc  
 JUN Summertime (Coast Guard on HF); 414 MHz alloc  
 JUL Coast Guard on VHF/UHF - I; 415 MHz alloc.  
 AUG Federal Bureau of Prisons; 416 MHz alloc.  
 SEP Coast Guard on VHF/UHF - II  
 OCT A Leaf Lookers Special Profile: Blue Ridge Parkway, Smoky Mt Natl Park, Shenandoah Natl Park

NOV SHARES and FEMA frequencies  
 DEC Emergency Alert System on HF; Operation SECURE; New England federal monitoring

**GLOBAL FORUM**

JAN The Clandestine Cranny  
 FEB Soviet Tests Burned the Ionosphere  
 MAR WWFV Licensed to Broadcast Telephony  
 APR Is Radio Austria a "Sinking Ship"?  
 MAY Allan Weiner at Sea Again  
 JUN The Buzz of Digital Shortwave  
 JUL Lose a Lot, Gain a Little  
 AUG Changes in US Gov't Int'l Broadcasting (Pals, Radio Free Asia, Radio Marti, VOA, ex-VOA Bethany)  
 SEP R Austria Intl Endangered, Peace Radio Website  
 OCT Top 10 WWV Promotional Ideas  
 NOV The NASB Agenda  
 DEC All Ears on Afghanistan

**MILCOM (odd months)**

JAN Inauguration 2001 - military freqs  
 MAR Monitoring Military Flight Demonstration Groups, air show performance schedules and freqs  
 MAY FACSFAC (San Diego & Hawaii' SoCal Marines; FAA freq changes; Ft Wainwright trunk system  
 JUL Airshow Update; Air Station Beaufort Profile  
 SEP 8971 - A Gem of a Frequency; Van Nuys Air Expo; Happy Hunter Revisited  
 NOV SCATANA's Trial by Fire (NORAD)

**MT REVIEWS**

AOR TDF370 digital terminal DEC  
 Avcom Ramsey SDM42B SDU NOV  
 Blonder Tongue BTS-8558C spectrum analyzer (and why it's not a communication receiver) SEP  
 Electromagnetic Radiation Detectors: Plus Guard, EMR Detector, Microalert  
 Emerson Universal Multi-System Video Converter FEB  
 Flight Explorer Personal Edition AUG  
 Hamtronics LNK-WB preamplifier JUN  
 Index of Reviews 1994-2001 JUL  
 MFJ-616 Speech Enhancer MAR  
 PAR AM Broadcast Filter MAY  
 PAR AM BC Filter ((VLF) NOV  
 PAR MON-3 VHF/UHF Antenna MAY  
 Sangean SR25V NOV  
 SGC SG2020 HF Transceiver JAN  
 WinRADIO AX-31B Antenna APR  
 (chart correction p.89 MAY)  
 Yaesu VR-5000 PMS Scan Fix JUN

**ON THE HAM BANDS**

JAN Be it resolved...10 resolutions

FEB Books to Grow By (ARRL Handbook for Radio Amateurs; Understanding Basic Electronics; Electronics of Radio; Practical RF Design; Solid State Design for the Radio Amateur; Intro to Radio Frequency Design)

MAR Going Mobile

APR Muscle Cars and Antenna Wire

MAY PSK31 on a Budget; Field Day 2001; KAT2 Automatic Antenna Tuner

JUN One Ham's Hamfest Perspective

JUL Ragchewing and Other Fun

AUG Dog Days in the Great Outdoors (antennas and tuner for portable ops)

SEP Ham Radio Rises Again

OCT Easy PSK31 Ops with RIGblaster

NOV Ham Radio in the Real World; Lower Vanity Fee; FCC number mandatory; on-air code practice legal

DEC Picks for the Gift-giving season

#### OUTER LIMITS

JAN Holidays Boost Pirate Broadcasting

FEB Variety and Quantity Return

MAR USA-sponsored Clandestine Activity

APR Zeller's Tenth Anniversary

MAY Allan Weiner Acquires Ship Tx

JUN Kentucky Militia Nixes KSMR

JUL Do We Need and Unlicensed BC Band? New ACE Publisher

AUG Pirate Radio Thriving (logs)

SEP Camp Meeting Radio (AWR); Clandestine Radio Schedules

OCT Hear Pirates via Java Radio?; Clandestine Targets

NOV Kirk Trummel: 1963-2001; Biafra back on

DEC Cuban Spy Used Numbers; holidaypirate numbers

#### PLANE TALK (even months)

FEB Something for Everyone: Tatosian book review; Flightradio.com; airline company freqs; unusual aero comms from Bob Bell; MWARA (conclusion)

APR Richmond VA and Sacramento CA towers

JUN Tampa Bay Airspace; Air Traffic Cafe website; Chicago Surfing; Flight Explorer PE

AUG Alphabet Soup (Air Traffic Management Glossary); FAA to Modernize ATC over Oceans; Houston Radio HF Services

OCT Airship Aviation (blimps); AirVan ACARS decoding software; airport freqs - Albuquerque NM, Cleveland OH, St Louis MO, Denver CO

DEC Christmas Bonus: Airline company freqs; Frewell TWA; LA

Center; Oakland, Seattle, Salt Lake City, Atlanta Centers; jokes

#### PROGRAMMING SPOTLIGHT

JAN Breakfast with Shortwave

FEB It's Your VOA

MAR Can Youth be Served?

APR Afternoon Delights

MAY DXing, SWLing, Media Programs

JUN SRI and Other Tales

JUL New Media, the BBC, and Magazines

AUG Discovering Lots of Life on SW (without the BBC)

SEP An Ear to the Tower of Babel (non-English programming)

OCT RCI, the CBC, and the Role of International Radio

NOV DX, SWL, and Media Programs

DEC Listening to the Tea Leaves (ways of listening to SW news)

#### QSL REPORT

JAN Latin Websites and more

FEB (Jan repeated in error)

MAR European Websites

APR Veri Signers: Are They Worth It?

MAY Increase your QSL Return Rate

JUN QSLing Hams on Field Day

JUL QSLing Int'l Hams

AUG Lighthouse/Lightship Weekend a Beam for DXers

SEP Adventist Radio Wows Collectors

OCT DX is back for the Trop Heads!

NOV QSLing Beacons

DEC LowFERS and MedFERS

#### RADIO (or SHORTWAVE) EQUIPMENT

FEB AOR's AR8600 on HF

MAR (Mediumwave Equipment) The Henry Kloss Model One

APR Yaesu VR5000 on HF

MAY MFJ 8100 World Band SW Radio

JUN DJ-X2000T on HF and Your Letters (NRD-535 Quick Toggle, ICOM R3 Idiot, MT Stock Exchange, Field and Stream nostalgia ad)

JUL What are synthesizers and how do they work? - I

AUG What are synthesizers and how do they work? - II

SEP SWLing "On the Go"

OCT Mobile Solutions - II (using base stations and in-dash receivers); Sony mobile receiver review XR-C5600X

NOV Mobile Solutions - III (converters, comparisons, satellite audio)

DEC Taking Back the BBC (listening via satellite)

#### RADIO RESTORATIONS

JAN Firing up the Transitone

FEB Rehabbing an RF Generator

MAR Recapping and Testing the Generator

APR We Realign the Transitone

MAY Restoring the National SW-54

JUN Interesting Radio Books: Amateur Radio - A beginners Guide, Thordarson Transformer Manual, Fireside Politics - Radio and the Political Order, Complete Price Guide to Antique Radios - Sears Silvertone Catalogs, Marconi's Atlantic Leap

JUL Continuing the SW-54 Restoration

AUG The SW-54 Plays Again!

SEP Realignment and Testing of the SW-54

OCT Firing up a World War II "Command Set" (BC-453, R- 23A)

NOV SW-54 Conclusion; Isolation Transformer [Oct column]

DEC Digging Into the Command Sets

#### SATELLITE SERVICE GUIDE

JAN Galaxy 7; Galaxy 9; Telstar 7; Satcom C3

FEB Galaxy 1R; Satcom C4; GE-7; GE-8

MAR GE-6; Galaxy 6; SBS-6; SBS-4; GE-5; Satcom K2

APR GE-2; GE-3; Telstar 4; Anik F1

MAY Galaxy 11, Telstar 6, Galaxy 3R

JUN Telstar 5, Galaxy 4R, GE-4

JUL GE-1, GStar-4, Anik F1, Anik E2

AUG Solidaridad 2, SATMEX-5, Anik E1, Morelos 2

SEP Galaxy 10R, Galaxy 5, Galaxy 9, Telstar 7

OCT Satcom C3, Galaxy 1R, Satcom C4, GE-7, GE-8, Brasilsat A1, GE-6

NOV Galaxy 6, SBS-6, SBS-4, Satcom C1, GE-5, Satcom K2, GE-2

DEC GE-3, Telstar 4, Galaxy 11

#### SCANNER EQUIPMENT

JAN Butel Control Software for the IC-R2

FEB RT Systems Software for the Yaesu VF-500

MAR Uniden BC780XLT Trunktracker

APR AOR AR8600

MAY Yaesu VR-5000

JUN Alinco DJ-X2000T

JUL Yaesu VR-120 Portable Scanner

AUG Ask Another Bob: How can I build a scanner? measure scanner performance? add alpha labels? buy a crystal-controlled air band scanner? Collectors Corner: Regency TM-H2

SEP Optoelectronics DS1000 Frequency Counter; Software for the VR-120

OCT Tracking the Trendsetters

NOV Mobile Scanning in Style

DEC Build a Mobile Mounting Bracket

#### SCANNING CANADA

SEP Welcome to Canada

OCT Onward to Ontario: Pearson Airport

NOV Scanning the West Coast

DEC Calgary Int'l Airport

### SCANNING REPORT

JAN Public Safety in Lubbock Texas; BC 780 Update Part 3, non-trunking functions

FEB Jan column repeated by mistake

MAR Michigan Monitoring; Final Preview of BC780XLT, Motorola trunking

APR Future of Scanners and Consumer Electronics; Air radio news; Mississippi Monitoring; Trunking Update, Clark County WA

MAY Five Wishes for Scanning; Kentucky (Paducah) Trunking; Baltimore Trunking; Unique Trunking Formats

JUN Scanning Your Own Back Yard; local govt and related freqs

JUL Scanning for Wireless Microphones; Who's Listening; Chris Parris

AUG Scanning Smorgasbord (freq data sources for PDAs, Texas Radio Guide, Dodger stadium freqs); Dayton Hamvention, Ft Lauderdale Air & Sea Show; Florida Fires; VHF Wireless Mic follow-up; editorial policy

SEP Canada Calling (scanning websites); emergency mgt agencies (Miami-Dade Co); Jan Fine profile

OCT The Mail and the Media: freq lists from readers; common news media channels; Ken Windyka profile; new lower power chans

NOV Florida Connection (to 9-11); maps and freqs URL; assistive listening devices; Mike Fink and N Ohio freq list

DEC Closing Out the Year: effect of 9-11 on scanning; my bank number one; Brian Cathcart

### SERVICE SEARCH

JAN Canadian VHF/UHF Allocations

FEB Environment Canada Weatheradio

MAR US NOAA Weather Radio

APR NOAA Weather Radio (contd)

MAY NOAA Weather Radio (contd)

JUN NOAA Weather Radio (concl)

JUL Military VHF/UHF Spectrum

AUG Fixed Base Aero Company Freqs

OCT Major World Air Route Areas

### TRACKING THE TRUNKS

JAN Sorting Out the Systems

FEB Seeking Frequencies

MAR Public Access Trunked Radios (MPT 1327)

APR Motorola Type II Trunking; Illinois Starcom 21; NPSPEC

MAY Trunking by TETRA; FCC Database

JUN The Price of Progress: problems with digital and 800 MHz systems; Talk-group patterns

JUL Travel Tips; Project 25 Scanner; Fleet Map Programming; Illinois STARCOM 21 Update

AUG The Digital Side of APCO-25; Wayne Co, Mich; State of Mich.

SEP To Buy or to Wait?; Digital Modes; Trunktracking scanner list; Phoenix; Sawyer Co Wis; Arkansas state police; PRO 91 update

OCT Palm Beach County Confusion; OpenSky system; Clarksville TN, Oklahoma City OK, Palm Beach Co FL, Michigan state police

NOV Making the Case for Simulcasting (Springfield OH, Cape Cod MA, Anne Arundel Co MD, Fairfax Co VA, Kempsville VA, Lapeer Co MI, Saginaw Co, MI, Fulton Co GA, Dayton OH); Arkansas; Phoenix, AZ

Dec Olympic-sized Trunking

### UTILITY WORLD

JAN Singapore Radio to Close; Croughton Global Stands Down; More Air Force Weather

FEB US Air Force ISB is Back; English Lady is Cuban; What was that?

MAR US Air Force Global HF System

APR Hugh's Favorite Frequencies: Air Force, Coast Guard, War on Drugs, Fax and teleprinting

MAY More US Coast Guard FAX Changes; KPH on 7414

JUN Philippine News on HF Ute; CODAR

JUL UNS/Marine MARS Reorganizes; Scratch Incirlik, Welcome Sigonella; RTTY Harmonics

AUG WLO Marine Bands Network (telex, email, voice services)

SEP The Middle East Numbers (E10)

OCT Understanding Weather Bulletin Headers

NOV SITFAA: New Life for an Old Net

DEC Utilities Go to War; Cuban Numbers are Real

### VIEW FROM ABOVE

JAN A Change in Global Weather?; Operating WXSats; Reader's Upgrade

FEB The Risky Business of Satellites; Resurs; NOAA-9 remains active; NOAA-15 lives!

MAR Eclipse Weather!

APR No Pics (failures), Snowy Pics (snow cover), and Gulf Pics (newly-released HRPT images)

MAY Intermittent Receptions; Op WXSats, Future Launches

JUN New Beginnings; GOES Users conference

JUL Operational WXSats, correspondence, thoughts

AUG Images from NOAA-16; GOES-2 to satellite heaven; Polar WXSAT ops; GOES-M Launch

SEP Understanding Weather Satellites, transmission modes

OCT Understanding Weather Satellites, geostationary sats; GOES-M launched

NOV Digital Satellites on the Horizon; decoding '90s style; timetable for digital WXSats; WXSats to monitor; pictures

DEC NOAA-16 and Fengyun developments

### WASHINGTON WHISPERS

JAN Special interests still trying to kill LPFM; Alan Fried micro-radio system seized; Internet going wireless and US playing catch-up; Congress bill allows local authorities to enforce laws regarding CB violations

FEB Reconsideration Urged on MURS!

MAR Low Power FM Radio Crippled

APR Stand by for Chnge at the Republican-led FCC

MAY HAARP: Ionospheric Research, or is it?

JUN Ham Runs Unlicensed Militia Station

JUL Sealand to Operate Internet Web Sites

AUG LPFM: Giving a Voice to the Voiceless

SEP The Digital Battle Against Satellite TV Pirates

OCT The Cat and Mouse Game of Computer Security

NOV Digital Satellite Comes to BC Radio; FCC to Implement registration numbers; preparations for WRC-2003

DEC FCC Adopts SDR Rules

### WHAT'S NEW

#### Books, CDs

A Family Affair: RL Drake Story	APR
Amateur Radio Explained	MAR
ARRL Handbook 2001	AUG
Australasian SW Guide	JAN
Australasian SW Guide	DEC
Callsign 2001	JUL
E Mass Scanner Guide online	MAY
European FM Handbook	DEC
FCC Data database on CD	SEP
Freq of Nature FCC database	OCT
GMRS online directory	JUL
Grove Federal Freq Directory CD	SEP
Grove Military Freq Directory CD	AUG
Grundig Satellit	MAR
Hobbyists Guide to COMINT	JUN
Klingenfuss Publications:	MAR
2001 SW Greq Guide	
Guide to Utility Radio Stations	

Guide to WW Weather Services	
Super Freq List on CD-ROM	
Maritime Telegraphy CD	SEP
Old Timers Bulletin on CD	MAY
Passport 2002	NOV
Police Call 2002	NOV
Programming Microcontrollers in C	MAY
RadioMag	MAR
Radio Stations in the UK	JAN
PCI Bus Demystified	FEB
Police Call, So Calif edition	FEB
Quebec freq dir on CD	OCT
South Carolina Freq Directory	JUN
Short-Range Wireless Comm	FEB
SMD Electronic Projects	JAN
User-friendly guide to Internet/computer terms (free)	NOV
VA freq directory on CD	OCT
Wireless Spectrum Finder	AUG
WRTH 2001	MAR

Morse Express Christmas Key	DEC
Optoelectronics DS1000 freq cntr	JUN
Patcomm RX-16000 SW receiver	FEB
Phone-Card-Phone	MAY
PlusGuard	FEB
Radio Shack PRO-93/PRO-2053	AUG
Ramsey Music Lights kit	NOV
Ramsey Van DeGraff generator	NOV
Sangean 505 new package	SEP
Scientifics Wireless Weatwevr Stn	JUL
Sony 7600G vs 7600GR	JUN
Sony software radio (SOPRANO)	JUN
Speco CBS-500 extension spkr	AUG
Spydercone antenna system	SEP
TERK TV35 antenna	JUN
Timewave ANC-4	NOV
WinRadio USB adapters and telephone interface unit	JUN
WinScan Ver 2.1	APR
Yaesu VR-120	APR
YES watch	FEB

### **Business news, Software**

Atoc new Alinco US distributor	AUG
Caveat: Preferred Customers Guild	MAR
Cityfreq Online Database	MAY
Cobra/Lowrance merger	MAY
Garmin MapSource recall	AUG
G&G Communications now online	JUL
Grundig 800 upgrades	NOV
HamCalc 48	FEB
Haxial World Time by Computer	DEC
Immobiliser security for Harleys	JAN
Kachina discontinues HF products	JUL
PerCon Spectrum Online	MAY
RadioCom 5.1	DEC
Starband two-way satellite-delivered Internet service	JAN
TrunkStar 780	JUN
Turbo535 Update	JUN
Uniden developing Project 25 scanner	JUL

### **Equipment**

Adaptec USB XHub	DEC
Alinco DJ-X2000T	APR
Alinco DJ-X3 scanning rx	NOV
Alinco DR-235 and DR-435	MAY
AR8600 receiver	FEB
Bose Wave/PC System	SEP
Cellular Pen	JAN
Cutting Edge Battery in a Bag	MAY
Cutting Edge Hold-It NEO pouch	JAN
Cutting Edge multi-band mobile ant	JUL
Cutting Edge Pouch for FT-817	APR
Digisetite Duo-Aria MP3 player	MAR
Electric Fuel zinc-air battery	MAY
Electric Fuel for PDAs	SEP
EMR detector	SEP
Fairhaven RD500VX	JAN
Garmin, new GPS products	APR
Grove SP-200C sound enhancer	AUG
Grove universal telescoping whip	NOV
Hamtronics low-noise preamps	MAY
Icom IC-910H tx	FEB
Midland F-10 FRS radio	AUG
Midland G-30 GMRS radio	MAY
Midland, new FRS models	MAR
MFJ Morse Code Reader	NOV
Monster car amplifier hook-up kits	SEP

# Monitoring Times 2002 INDEX

## FEATURES:

### Broadcast:

65 Years of Radio Prague	JAN
Catching Baseball on AM Band	JUL
China: Behind the Bamboo Curtain	NOV
KTWR Guam Celebrates 25	OCT
Listening in on India and Pakistan	MAR
Prime Season for Pirates	OCT
Radio Aparecida	JUN
Radio Canada International	DEC
Radio Okapi Hits SW	MAY
Shortwave's Summertime Secrets	JUL
SW vs the Internet? Challenges 6	MAR
Tales from Bush House	SEP
The Anderson/Patriot Radio Story	APR
Tuning in the Longwave BC Band	SEP
Voz Cristiana	AUG

### Miscellaneous

Emergency Communications	JAN
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Preserving QSLs	FEB
Radio Direction Finding	JUL
Unlicensed DX: Irish Mass (filler)	APR
Who's Who in the Spectrum -LF	JAN
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Who's Who - SW Broadcasts	MAR
Who's Who? - SW Utilities	APR
Who's Who? Amateur Radio	MAY
Who's Who? VHF Low Band	JUN
Who's Who? VHF/UHF	AUG
Who's Who? UHF	SEP
Who's Who? Above 960 MHz	OCT

### Satellites

Having Fun with GPS	AUG
Sky Wars	JAN
Surveillance in the Clear	NOV

### Scanning:

Canadian Snowbirds	FEB
Civil War Natl Battlefields	JUL
First Air: Canada's Arctic Airline	NOV
Guide to APCO P-25 Systems, 1	DEC
How Repeater Systems Work	DEC
Monitoring Camp Pendleton	JUN
Monitoring Canadian Air Shows	MAR
Road Trip: Mass to Dallas	APR
Road Trip: Mass to Dallas - 2	MAY
Scanning in Paradise (Hawaii)	AUG
Use Your Scanner to Track Wildlife	DEC
Virginia's STARS network	SEP

### Technology and Technical

On the Road with WinRADiO	JUN
Portable Command Posts	FEB

### Utilities:

Ham Radio More Than a Hobby	MAY
Pirate Hams of 45	MAY
Radio Landscape of France	APR

## AMERICAN BANDSCAN

JAN	Domestic-band radio in Afghanistan
FEB	Digital TV on the air; GE Superadio; QSL web page; IRCA Mexican Log
MAR	Nothing is forever-station and format changes; TIS DX tests, NYC VHF TV update, new Canadian FM transmitters
APR	DX Software (FCC Database Reader, AutoDX); no format change on WSM, Virgin Is WDHP heard
MAY	Radio Shootout (side-by-side receiver comparison); new Isle of Mann LW stn, RDS feature on Sangean 909
JUN	24 Hours on 1030 kHz; Mailbag: mid-March DX opportunities, Crawford station website
JUL	Bits and Pieces: station changes; silent opportunities; cross-border targets; mailbag
AUG	Television Update: Digital, Analog, and Undecided; A Guide to TV Stations; Bits and Pieces
SEP	End of an Era (WDBL sale); TV Distance Record; bits & pieces
OCT	Tower Battle (Fordham Univ WFUV-90.7); battle of the KISSes; Channel Master antenna; daytime directional pattern guide?; MW reception on wideband scanners; ethnic pirate
NOV	Moving Day (changing freqs and calls); AM changes in Toronto; digital radio tests; KDJI QSL
DEC	Make Way for Digital Broadcasting; KSPN-KDIS freq swap; WEBS, WPBS changes; KKSU gone

## ANTENNA TOPICS

JAN	Ways in Which Antennas Differ
FEB	Antenna Primer I: Definition, History, and Build random-length wire antenna
MAR	Antenna Primer II: Antenna Terms, Build a dipole
APR	Antenna Primer III: Selecting an Antenna, Build a Groundplane
MAY	What is NVIS and What is it good for?
JUN	Fun with Real-Antenna Modeling
JUL	Matching: What, When, and How?
AUG	Making Your Own Antenna Feedlines; the Old-Timers all-band antenna
SEP	A Brief History of Antennas
OCT	Scanner Antennas
NOV	The TTFD Antenna
DEC	The Effects of Earth and Other Objects on Radio Waves

## BEGINNER'S CORNER

JAN	Beginner Questions Answered: Antennas, Scanners, Sat TV
FEB	Your First Steps in Amateur Radio
MAR	Electronic Kits and Gray-Line DXing
APR	"Killer" Antenna for Low-Band DXing; Intl HF Beacons
MAY	Small Dish vs Big Dish: A Satellite TV Primer
JUN	Five Tips for Ham Radio Beginners
JUL	Antenna Experiences: "Killer" results on low band; all-band signal catcher; where to find local scanner freqs; external filtering for SW radios
AUG	Basic Toolbox for your Monitoring Hobby
SEP	Kite Lift Antennas; more Q&As on GTAB antenna; Ramsey FM transmitter
OCT	Powerful Additions to Your Listening Post (power supplies and tuners); mailbag: another good tool, using glass-mount cell phone for CB or 2 meter
NOV	Beginner's Look at Microphones and Audio
DEC	Pesky Lead-In Cables; Traveling with a SW Radio

## BELOW 500 kHz

JAN	Try Something New in '02; resources and tips; what I use; more on A/N range systems
FEB	Lower Roundup; Coe Hill ON DXpedition logs
MAR	March Madness: Reader Loggings, WWVB power boost and La Crosse clock; 6-meter propagation beacons
APR	New England Beacons; Atlantic 252 format change, Dick Pearce receives awards
MAY	Good DX from Georgia; new LW broadcaster
JUN	Treasure Hunting (hamfests); longwave loggings; averted hearing?
JUL	New England DXing II; LF Ham Band
AUG	Surfing the Longwaves (summer listening); LORAN Interference-new hope; Loggings
SEP	Are You Ready? Printed Resources, Online Resources, More Code Chart
OCT	Reader Questions & Comments: WWVB query; power line carriers; high power LowFER; VLF Intercepts; ID Changes in Canada
NOV	New Designations for Single-Letter IDs; Morse Reference Chart; LORAN Filter Update; Euro-BC News

DEC Miscou '02 - Another Success;  
Argentina hams on LF band, low-  
power SW beacons

MAY America's Most Wanted:  
Anderson and Puckett; Top Cuba  
expert pleads guilty to spying;  
Merlin involved in launch of  
Envisat; WWV propagation  
format change; Refarming novice  
CW bands; Cell-phone shields  
bunk, says FCC; Pentagon  
technology projects; LPFM slow  
to grow; thanks to pirates

FCC Chooses IBOC; Ray Briem  
Retires; Bob Sherman Dies

### CLOSING COMMENTS

JAN Will Anyone Be Listening?  
FEB The Internet: Soup to Nuts  
(obsolete info, misinformation)  
MAR Selling the Spectrum (the fight for  
spectrum space)  
APR The Con Game: No April Fool's  
Joke (technological scams)  
MAY Is Shortwave Dying? Not by a  
Long Shot! (fight for spectrum  
space)  
JUN Can Shortwave Broadcasting Be  
Saved? (guest Bob Zanotti)  
JUL A Look Back...  
AUG Going Wild over Wireless  
SEP Is Hobby Radio Dying? Two  
Perspectives  
OCT Inspector General Audit: Army  
MARS Not "Operationally Ready"  
NOV Are SW Broadcasters Failing  
Listeners?  
DEC Christmas Greetings

JUN Plane-spotting, a misunderstood  
hobby; No in-flight cellular calls;  
Hosts of Radio Liberty nervous;  
public lukewarm toward new  
technology; when is "smart" not  
so smart?; Ernest Cooper dies  
JUL Foxhunting, post-9/11; DC Fire  
Dept woes; Digital systems still  
vulnerable; Airline safety  
(Eurocontrol); Ham tower bill; no  
satellite decoding (Canada);  
Radiational alert (cellphones);  
United Nations Radio; Off the  
hook (re bugged Chinese plane);  
US Satcom overhaul; RFID  
antennas

### COMPUTERS & RADIO

JAN Bonito's RadioCom 5.1  
FEB Gizmos and Gadgets: soundcard  
extender, up font panel adapter,  
GearGrip, @ power strip, Catch-  
A-Call Gold NetCallerID  
MAR Antenna Design Software: The  
Antenna Elmer, NEC, Antenna,  
Antenna Designer  
APR Fingerprinting Transmitters:  
MoTron's TxID-1  
MAY Spyware: what can you do about  
it? Ad-Aware 5.0  
JUN Freeware Signal Fingerprinting:  
Xmit\_ID  
JUL AirNav Suite - Sweet! (AirNav  
Internet Lite)  
AUG AirNav's Decoder Programs  
ACARS & SelCal  
SEP Computer-Internet Firewall  
Protection (ZoneAlarm); "QSLing"  
Websites (My Vital Agent);  
feedback on Ad-Aware  
OCT Another Look at OCR (Xerox  
TextBridge Plus, Cuneiform)  
NOV How OCR Can Change Your Life:  
Testing OCR results using  
RadioMax 5.22 and Scancat  
Gold; Update on My Vital Agent  
DEC Useful Computer/Monitoring  
Holiday Gifts: Keychain hard  
drive, Coby MP-R650 MP3  
player-encoder

### COMMUNICATIONS

JAN Cooper killed; E-911 behind  
sked; fight for spectrum space;  
FAA upgrade; Merlin sold; Africa  
online; WRN moves to Telstar;  
World Space acquires Voyager;  
Sat TV in Kabul; Radio Free  
Afghanistan  
FEB New look at evacuation plans; US  
considers restricting emergency  
cellphone use; public warning  
system reevaluated; Sept 11  
radio problems; volunteer tech  
guard; one year to recovery;  
Tetra system sold to Vatican;  
Pinellas tests wideband system;  
Native Americans go hi-tech  
MAR Tulsa Amateurs restore  
dispatching; new interest in ham  
radio in emergency plans; Salt  
Lake Co vs Salt Lake City  
dispatching; Court says lawsuit re  
Gingrich tape can continue; no  
QSLs from Army MARS; Navy  
admits sonar at fault in whale  
beachings; US-made aircraft for  
Chinese president full of audio  
bugs; Russia independent TV  
loses; NASA shuts down Deep  
Space 1 probe; Russia  
dismantling Cuban listening site  
APR AFRTS contracted to Boeing;  
NOAA Wx radio changing  
automated voices; FCC Actions:  
24 GHz power boost, fed freqs  
reallocated, public safety  
broadband; NTIA report on more  
spectrum for public safety; SW  
issues in Liberia, DIY satellite;  
satellite hits Egypt; "power"  
struggle in Russia; Philippine

AUG (Radio) Trouble in Paradise;  
FDNY New Radios; Radio Hot  
Potato (Cuba); Hobbyist  
Discloses Surveillance Pictures;  
FEMA to Iron Out Interoperability;  
Talk through the Hub (JPS ACU-  
1000); Lightning Disables DC  
Radios; Florida Man Convicted  
SEP Radio Honor Roll: rescue of  
abducted girls and Neil Carlton  
recognized for innovative classes  
using radio; Australia Abandons  
Digital System; Spotting a Plane  
Spotter; Troops in Bosnia Adopt  
FRS Radios; the Phone Tooth;  
Debate over Cell Phone Blocking;  
ARRL Receives Grant; National  
Guard Techies; Steve Mansfield  
N1MZA, SK  
OCT Radio Honor Roll: Scannist nabs  
robber; Cellphone Safety; Music  
and Cellphones Don't Mix; Music-  
Cellphone Mix; Getting in the  
Loop (phone service); Getting  
Out of the Loop (off the power  
grid); FBI Scolded by Secret  
Court; FBI Advises Caution  
(wireless nets)  
NOV Saved by a Scanner (5 stories);  
VOA Memorial Park; The Other  
Side of Geocaching; Locationless  
Caches; Satellites vs. Radar  
Detectors; The Human Race;  
"30" to "88"  
DEC Radio Honor Roll: Rami  
Mahamid; RDFing Can be  
Dangerous; Comando Solo  
Leads the Way; Put MARS to  
Work for the Holidays; Part of the  
Problem is People (9/11 report);  
Two Killed in Tower Collapse;

### DIGITAL DIGEST

JAN New MIL-188-110A HF modem  
users: Czech diplo service,  
Mexican Navy; Unidentified  
networks; China and Egypt  
expand systems; Codan system  
profile  
FEB French Diplo nets, Colombian  
Counter-drug nets; Unid  
Rockwell-Collins mil net; Waffa  
Returns  
MAR Digital Beginners: choice stations  
to hear CW Numbers, Mixed-  
mode beacon, SITOR-A, RTTY  
CARB, RTTY weather, ALE,  
SITOR-B  
APR Useful Monitoring Tools: Digipan,  
Hoka Code 300-32, Analyzer  
2000, Baudline, SkySweeper  
MAY Digital Ops from South America,  
Ecuador's maritime command,  
Brazilian navy; Romanian ALE  
net update  
JUN Good Tools and New Targets:  
Klingenfuss 2002, PC-HFDL for  
HF Decoding, Nostradamus  
OTHR, Some unusual ALE  
networks  
JUL HF Decoding  
AUG New PacTOR Mode, PacTOR-III;  
Russian 1280bps PSK; NATO  
KG84 RTTY



OCT Grundig FR-200 emergency radio  
NOV Electrical Safety

#### ON THE HAM BANDS

JAN New Year in Ham Radio (resolutions); ARRL calls for no-code; contest weekends  
FEB Surface Mount Solutions (kits to get you started)  
MAR Fine Old Bugs; getting ready for hamfest season (as a seller)  
APR Picking Up Some Easy Points (easy Field Day points)  
MAY Building Your Parts Stash  
JUN Moonstruck (EME)  
JUL You're in Good Company (famous ham)  
AUG Creative Club Programs  
SEP Emergency Responders Learn from 9/11  
OCT Classic Home Brewing: Small Wonder Labs Rock-Mite, MRX-40 Mini Receiver, MultiPIG All Band CW Transceiver  
NOV Ham Radio Sans Computers  
DEC Ham Radio Stocking Stuffers

#### OUTER LIMITS

JAN Violence hits clandestine radio (Cooper and Anderson)  
FEB Pirates a Focus at SWL Fest  
MAR Pirate SW BC Activity Explodes  
APR Finding Pirate and Clan DX Info  
MAY Blanket Ban on Pirates Nixed; pirate programming CD  
JUN NA Pirates Shifting Freqs; Pulaski Co Sheriff Killed; Carl McIntyre Dies; Cuban Numbers Station Court Case  
JUL ACE Celebrates 20th Anniversary; Palestine station; No Al-Qaida station; No Radio Sawa on SW (no logs this month)  
AUG Voice of Laryngitis Returns to Shortwave; WBCQ Ship Transmitter Project; Radio Sawa Schedule; Radio Resistencia on the Web  
SEP Star Star Broadcasting Station; Pirate Station Patterns; Radio 510 Schedule; Radio Americas  
OCT Russian "Names" Station Heard; William Pierce Dies  
NOV FRN Back After Technical Trouble; Clandestine Radio Watch; Radio DAT; Unusual Pirate Tactics; Winter Propagation  
DEC Pirate Numbers Station Decoded (Rodent Revolution); New Free Radio Weekly editor; Godzilla Born on Radio?; Alpha Lima Web Site

#### PLANE TALK (even months)

FEB Flying with Concorde; Aeronautical Freqs (Louisville Standiford Field, New York Center ARTCC, Toronto Centre);

Airport Instrument Landing systems; Farewell to the B727  
APR Reviewing the Basics: Navigation Aids, Separation  
JUN HF ACARS; Sydney Airport ATC  
AUG Fly the World by Computer (PC-HFDL Update, Air Traffic Control Simulation, AirNav Suite 4; More Sydney Airport Freqs  
OCT Monitoring the Northwest; DX Atlas; ACARS Log Analyzer  
DEC Airport Frequencies, and Using Aero Charts and Maps

#### PROGRAMMING SPOTLIGHT

JAN I was just thinking...(things I like and things that bug me)  
FEB Don't Touch That Dial! (freqs you can stick with)  
MAR I Was 50 Years Ago Today...(a look at SWBC in 1952)  
APR Thinking Locally; Listening Globally (local flavor on HF)  
MAY Programs on DXing, SWLing, and the Media  
JUN Notes from (DX) Camp  
JUL Yankee Doodle Shortwave  
AUG The 1952 Olympics, YLE and DRM  
SEP Yankee Doodle SW: AFRTS  
OCT Yankee Doodle SW: The Independents  
NOV Progs on DXing, SWLing and the Media  
DEC Listening at Leisure (progs that require your attention)

#### QSL REPORT

JAN Clear Channel QSLing  
FEB Feb Special Event QSLing  
MAR Canadian QSLing  
APR Globe Wireless  
MAY Celebrating the Queen's Jubilee  
JUN Radio Netherlands New QSLs  
JUL XVII Commonwealth Games  
AUG Cleaning out the QSL In Basket  
SEP DX Season propagation and supplies  
OCT DXing the Graveyards  
NOV Do's and Don'ts of China QSLing  
DEC QSLing - Your Way

#### RADIO EQUIPMENT

JAN Build a Scanner Repeater  
FEB Receiving Frequency Modulation  
MAR Getting Started in SW Listening-Part 1: SW Radios  
APR Getting Started in SWL - II: Where, When, and How to Tune  
MAY Getting Started in SWL - III: Antennas, accessories, and niche listening  
JUN Storm Detection by Radio and Build a Highly Directional Loop Antenna  
JUL Ten Tec RX-350 Receiver  
AUG AOR LA350 Active Loop Antenna; ZAP Model 180 Electric

Field Meter; More Scanner Whip Comparisons  
SEP A Simple Ferrite Loop Antenna  
OCT A Longwave Band Ferrite Antenna  
NOV Tuning into BC Satellites - Part 1 (history, status)  
DEC Tuning into BC Satellites - Part 2 (hardware, Panamsat 9 line-up)

#### RADIO RESTORATIONS

JAN Books About Restoring Radios  
FEB The BC-453 Comes to Life  
MAR BC453/R23A Pinouts and Alignments  
APR Parts and Periodicals, Manuals  
MAY Getting to Work on the R-23A; reader letters  
JUN Powering Up Your Command Set; Recent Books from Lindsay  
JUL A VTVM for Your Test Bench  
AUG Digging into the RCA Voltohmists; New Lindsay Publication  
SEP Firing Up Our Voltohmists  
OCT Wrapping Up the Voltohmist Project; Replacing Missing Probes  
NOV Tackling a Toughie: Zenith 6-S-229; VoltOhmyst Feedback  
DEC Digging into a Dirty Radio

#### SATELLITE SERVICE GUIDE

##### [www.monitoringtimes/mtssg.html](http://www.monitoringtimes/mtssg.html)

JAN Telstar 6, Galaxy 3R, Telstar 5  
FEB Telstar 5 (detailed), Galaxy 4R, Americom-4  
MAR Americom-1, GSTAR-4, Anik F1, Anik E2  
APR Solidaridad 2, SATMEX-5, Anik E1, Morelos 2  
MAY Galaxy 10R, Galaxy 5, Galaxy 9, Telstar 7  
JUN Satcom C3, Galaxy 1R, Satcom C4, Americom-7, Americom-8  
JUL Americom-6, Galaxy 6, SBS-6, HGS-5, Satcom C1, Americom-5  
AUG Americom-2, Americom-3, Telstar 4, Galaxy 11 (C-band)  
SEP Galaxy 11 (Ku-band); Telstar 6; Galaxy 3C; Telstar 5  
OCT Telstar 5; Galaxy 4R; Americom 4  
NOV Americom-1, GSTAR-4, Anik F1, Morelos 2, Anik 2  
DEC Solidaridad 2, SATMEX-5, Anik E1, Galaxy 10R

#### SCANNER EQUIPMENT

JAN Notch Filters Fight Interference (Grove FTR-100, PAR VHFDM162HT, PAR VHFFM, StridsbergFLT201A)  
Feb MFJ-886 Frequency Counter  
MAR Alinco DJ-X3T Portable wideband rcvr  
APR Tk8500 Software Project (homebrew radio control programming for the IC-R8500)

- MAY Radio Shack PRO-2053 Trunk-tracking scanner; CompUSA PCI port adapter
- JUN Tk545 Software Project; Comparing Scan Rates
- JUL Tk500 software for the Yaesu VR-500; Pager pillow speaker; Spare fuse holder clip
- AUG Tk120 Software for the Yaesu VR-120
- SEP Tk75 - Software for Icom IC-R75
- OCT AOR AR8600 Mark 2 Receiver
- NOV Tk150 Software for the Standard VR-150; Advice on selecting a wide freq coverage, portable scanning receiver
- DEC Scanning and Recording: CCrane VersaCorder; Mr Scanner FCC Database
- SCANNING CANADA**
- JAN Edmonton Intl Airport; Canadian Forces Base (CFB) Borden
- FEB Saskatoon Diefenbaker Airport; CFB Trenton
- MAR Monitoring Winnipeg, Winnipeg Intl Airport; CF 17 Wing Winnipeg
- APR Scanning Ottawa; MacDonald-Cartier Intl Airport; Ottawa resources on Internet
- MAY Bienvenue a Montreal: Dorval Airport and area frequencies
- JUN Canadian Hams Monitor Severe Weather (CANWARN wx net); Quebec Jean Lesage Intl Airport
- JUL ScanCan reaches the Atlantic Ocean: Halifax Intl Airport; Scanning Cellular Frequencies - legally (Steve Punter website); airshows in jeopardy
- AUG Scanning the Mounties; Newfoundland, St Johns Intl Airport; Mansfield VORTAC
- SEP Flying North to the Arctic: Iqaluit Airport; Jack Little monitors Hamilton, ON
- OCT The Pope Arrives in Canada; Monitoring Resolute Airport
- NOV Railroads: North Vancouver RR
- DEC West Coast Railways; Sad News for Toronto Airport Monitors; Reader Challenge
- SCANNING REPORT**
- JAN Assistive Listening Devices follow-up; Dr John Braden profile; what happens to old freqs
- FEB Olympian Scanning (torch relay); Sgt Stephen Casco profile; using Push Pins (MS Streets and Trips Software); Houston Area Freqs
- MAR Loading Bank Number One; AOPA Expo, more on using Push Pins
- APR Gill Lineberry profile; Target dept stores; creating a database with MS Streets and Trips
- MAY Scanning at sporting events (golf frequencies: Doral Country Club, Heron Bay Country Club. Racing freqs: Daytona freq)
- JUN Travels with a Scanner (NY/NJ airport experiences); Around the country (Arlington, VA; Detroit, MI; LA CA); using pushpins in MS Streets and Trips, part IV; quiet frequencies
- JUL Scanning While Tanning: Miami-Dade Fair, The Alley-Cats on-stage; Elena Machado profile; Video scanning
- AUG Ft Lauderdale Air & Sea Show communications; Jim Westberg profile; Las Vegas PD online
- SEP Gamma in Florida; Rosehill, KS; freqs; hands-free cell comms thru car radio; 900 MHz band Q&A; Atlantic City NJ Motorola system; Detroit recreational and transit freqs
- OCT FACE-ing the Weather (CRYSTAL-FACE Project)
- NOV FACE-ing the Weather, part 2
- DEC Three Specialties: Three Services (Mark Levine profile and evolution of EMTs)
- SERVICE SEARCH**
- JAN HF Aero Freqs
- FEB HF Aero freqs cont'd
- MAR HF Aero Freqs - finish
- TRACKING THE TRUNKS**
- JAN Encryption for Security; encoding vs encryption; encrypted voice; Motorola; EDACS; on-line scanner manuals; Tallahassee, FL
- FEB Nextel Proposes Restructuring 800 MHz; Nextel Technology; Pro-92 Channel Lock Out
- MAR Digital Monitoring in Sight (Project 25 and Uniden's planned scanners); ScannerMaster P-25 digital decoder board update; 400 MHz trunking; Ft Irwin CA, Wright-Patterson OH, Kings Bay GA systems
- APR Computer Interfacing Your Scanner (PRO-92, PRO-93, BC 245XLT, BC 780XLT) Encrypting EDACS
- MAY How Radio Frequencies are Assigned
- JUN EDACS Systems; Palm Scanner Control Programs
- JUL AOR's APCO-25 Decoder; trunked system news (South Dakota, Nevada, Ohio, Michigan); Scanner Antennas
- AUG When to Buy a Trunk-Tracking Scanner; Uniden Scanner Testing; Lightning Strikes DC; BC780XLT Computer Control; Canton, OH; Summit County, OH
- SEP New Trunked Systems Underway: Hamilton Co OH, Nassau Co NY, Oakland Co MI;
- OCT Uniden Digital Scanner Features; B780XLT Squelch Modification
- Recommendations from our Readers: Green Co/Springfield MO, Comments on Computer Control, Antennas; Uniden BC785D and FCC type acceptance
- NOV The Quest for Interoperability; Federal Project 25 Network; Colorado State system, Denver, Aurora systems; Uniden Radios Certified
- DEC Guide to APCO P-25 Systems continued from Dec feature
- UTILITY WORLD**
- JAN Cuban Spy Base Closes (numbers); US Military HF broadcasting
- FEB More Changes on MARS, Navy MARS freqs
- MAR USAF MARS, FAA HF nets, FAA ARTCC identifiers, phone company emergency net
- APR Unusual Traffic in the Middle East - unusual numbers; "slot machine" transmissions; US Army ALE
- MAY HF DL Breaks the Sound Barrier: decoding software from Charles Brain, HF DL freqs; Russian listening post closed
- JUN More Russian Numbers Weirder; Japanese Maritime Morse; WWV Changes
- JUL HF DL Frequency Update; Weirdest numbers yet
- AUG Russian Channel Markers; Australian Utility Changes
- SEP Maritime Radio Turns Topsy-Turvy Down Under; Australian Distress Comms; ARINC increases Arctic Coverage
- OCT Weather Changes: New Coast Guard FAX Again; Freeware Decodes SYNOP
- NOV More Letters from Israel ("numbers"); Cuban numbers screw-ups; hams on 5 megs?
- DEC Slot Machine Stations - We found the casinos; South Bound II Still On
- VIEW FROM ABOVE**
- JAN Ups and Downs of Russian Birds (Resurs, Okean); NOAA-14
- FEB GOES-Supported Research programs
- MAR Monitoring APT with a sound card
- APR Seasonal Madness: NOA-14 fixes itself, GOES-E seasonal improvement, Meteor seasonal power-off
- MAY Are You Equipped? what's needed for satellite telemetry; satellite status report



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### AMERICAN BANDSCAN

JAN	Pipsqueak in the Twin Cities (KUOM-FM); IBOC news; 2 station changes
FEB	Playing the AM Cheatin' Game (nighttime broadcasting); height versus efficiency
MAR	Moving Day, Part 2 (Canadian AM stns moving to FM); WLW-700, WOR-710 IBOC tests; NRC

	Frequency Challenge; IRCA website
APR	Music Returns to AM? Sat feed error at WCKY; Australian MW DX Group; IBOC test station WD2XXM; WMQM-1600 WHITE-1690 moves; W52CT TV no longer just test pattern
MAY	Whither Radio? (digital modes etc); Sat radio boom box; music on, music off; experimental stn QSL; listening in S TX
JUN	Bits and Pieces: IBOC, Psych Over the Airwaves (Iraq), WSM Out to Pasture? Trying old gear for something new; WHOM fire in Feb; watch for FM DX
JUL	Digital Status Report: Digital Radio, Digital TV; Comings and Goings
AUG	Book Reports (FM Atlas, AM Radio Log, WTFDA TV Station Guide); Digital TV DX; equip for low power FM listening
SEP	Moving Day, Part 3; Expanded Band Countdown; FM Skip
OCT	Broadcasters that Aren't (not in FCC database); more exotic DX; WHITE move
NOV	IBOC and LPFM Status; B&P (longwire; KKOB-770; KN4LF website; Rev Louis fined; new 1250kHz Ottawa stn)
DEC	Go West, Young Man; South American loggings; Permission to Move; Wants to Move; Going Digital in Canada

### ANTENNA TOPICS

JAN	Radio Gone Berserk! Intentionally Wasting RF
FEB	Effects of Frequency and Wavelength
MAR	Beam Antennas: What, Why and How
APR	Capturing and Keeping Radio Signals (capture area)
MAY	Effects of Earth on Radio Signals
JUN	Radio Direction-Finding Antennas
JUL	A Two-Element Cubical Quad for HF or VHF
AUG	Antenna Testing and Maintenance
SEP	What is a DX Antenna?
OCT	Standing Wave Ratio
NOV	A Useful, Easy to Make, Inexpensive Antenna (random-length)
DEC	Antennas for Medium-Wave DXing

### BEGINNER'S CORNER

JAN	Broadening Your Monitoring Horizons, 10 ideas; ham radio; antennas
FEB	More Antenna Lead-Ins; Satellite Industry Update
MAR	A Beginner's Look at Radio Modifications

APR	Join the Club: A Look at the ARRL
MAY	\$50 Junk Shop AM Radio Challenge; Tigertronics digital modem
JUN	ST-9900 DVB FTA Satellite Receiver
JUL	Getting Started in Ham Radio DX
AUG	Inquiring Minds Ask Interesting Questions (Freeband Ops, MPEGII, investing in sat radio, baseball on internet radio)
SEP	Field Day Fun; HDTV and Satellite beginners questions
OCT	Five Tips for Monitoring Beginners
NOV	Countering the Beginner's Lament (no excuses)
DEC	Multimeter Basics for the Beginner

### BELOW 500 kHz

JAN	Mid-Winter Targets: Low-band strategy, hardware hints, best bets
FEB	DGPS Demystified; Other News (setting up remote LF receiver, using VLF to detect gamma ray bursts)
MAR	Lowfer Roundup; Terry Krey, silent key; Loggings
APR	Reader News and Loggings; Canadian beacon reception; Ramsey VLF1; Online ID tool; new BeaconFinder available
MAY	LF Ham Band Near?; UK to AK on 136 kHz; LF Loggings
JUN	Adventures with NAVTEX
JUL	Exploring QRSS
AUG	No LF Ham Band; AM Broadcast Interference? LFE Online; Summertime Strategy
SEP	LF Noise: Part 1, Identification
OCT	LF Noise: Part 2, Remedies; New Alaska beacon
NOV	BeaconFinder FAQs; Beacon loggings
DEC	DXpedition Results; Beaconfinder Updates

### CLOSING COMMENTS

JAN	Powell Proposes Radical Shift for FCC - Fred Maia
FEB	A No Commercial Market - Dr Paul Shuch
MAR	Secrecy Infests Shortwave Relay Deals - Glenn Hauser
APR	"Midland 1 Listens" - Two Thumbs Up! - Jock Elliott
MAY	Freedom to Listen
JUN	HCJB Abandons North America and Europe vs. FCC Allocates More Spectrum to HF Broadcasting
JUL	MT Marks a Milestone (Q&A with Larry Van Horn)
AUG	A Bad Law Narrowly Averted (Nevada)
SEP	Rumors of DX Death Greatly Exaggerated

OCT Can't Lead from Behind (MARS update)  
 NOV Interoperability: Public Safety's Holy Grail  
 DEC Holiday Greetings from the staff

**COMMUNICATIONS**

JAN Scanners and Homeland Security Act; Ultra-wideband Killer Technology?; Cellphone afterlife (recycling); Navy sonar temporary halt; Echostar merger nixed; Military relies on commercial sats; Planespotters acquitted; Railfans encounter suspicion; Internet music compromise reached; Steve Anderson arrested  
 FEB Radio Honor Roll (railfan rescuer, savvy dispatcher, LAFD); DC Public Safety System; Michigan Mess; pilot freq mistake; Commando Solo back in action; mesh networks for the military; RFE/RL finds new location; Congo rebels shut independent station; worldwide index of press freedom; another cellphone recycler  
 MAR Plumber/MetroAlert Share Honors; DW cutbacks; electronic billboards in Calif; French hobbyist on trial for posting military freqs; VLF antarctic antenna; Nextel pursues spectrum swap; Poptronics, RIP; Ian Poole honored by ARRL  
 APR Radio Honor Roll (shuttle search teams); More on Shuttle search comms; Rota "Bull Ring" antenna dismantled; Denver "spy file" cases; Amateur Radio Spectrum Protection Act; war threat a boost for SWLing; Waging an Electronic War; Obituaries (H Taylor Howard, George Henf)  
 MAY Iraq war testing grounds for new technology; satellite phones act as beacons?; Cuba may try dissidents; Agreement on 5 GHz WiFi; Experimental licenses; Wis drama heard over scanner  
 JUN Volunteers for Homeland Security; NCS becomes part of Homeland Security Dept; Theater Freq Mgt; The Shuttle Blackout Myth; Enhanced SSB "Extremely Inconsiderate"; British Consider Changes in CB Rules; Prank Maydays no Laughing Matter; Maritime Safety  
 JUL Hams win one, lose one w/FCC; Broadband over Power Lines NOI; Nevada Highway Patrol forgets to file; HOKA in Hot Water; Michigan doubles mobile scanning fine  
 AUG Controversial FCC media ownership rules; FCC too dependent; ARRL joins Citizen Corps; Marine voice goes silent; Commercial Spectrum Enhancement Act; Spectrum management study; NYC TV still

struggling; the Anderson/Rudolph connection  
 SEP RFPI Under the Gun; Congress Poised to Reverse FCC Ruling; Record Radiocommunications Conference  
 OCT Nextel, NASCAR, and Scanners; Internet on the Grid in Manassas; Roy Neal, SK; The Big Blackout not all bad news, Hams a Bright Spot During Blackout; Personal Views: Toronto During Blackout, What Blackout?  
 NOV court problems with new media rules; cellular/public safety interference; jamming with a Cuban twist; Marti by satellite; radio drop blocked; Steve Anderson sentenced; NHP system to be scrapped; ghostly interference  
 DEC Radio Honor Roll: Why Scanners Should Not be Regulated; 73, SK; FCC issues spectrum leasing rules; High Spectrum Openings; High speed at high altitudes; FCC raids long-time pirate station; Commercial pirate; Cumulative RF radiation

**COMPUTERS & RADIO**

JAN New Products from Old Technology: sun-powered headphone radio, portable solar chargers, plug-in cigarette lighter receptacle, foldable keyboard, LED light  
 FEB The RPR-X340 "VCR for Radio"  
 MAR Monitoring the Planet Jupiter (Radio-Jupiter Pro 3.0.23)  
 APR Monitoring the Planet Jupiter - radio and antenna requirements; Radio-SkyPipe 1.1.39  
 MAY Digging Signals Out of the Noise: Diamond Cut Five/Live3 Program  
 JUN Decoding RTTY, NAVTEX, and More (SeaTTY and TrueTTY)  
 JUL The World in Your PALM: PCRPilot3C, Palm320, Palm RX320, ScanPro780, Palm Emulator  
 AUG A Potpourri of Useful Programs: Print Screen Plus, HamCalc ver 62, Ad-Aware 6.0  
 SEP PROBEing with the PCR1000: Datafile's Probe 1K  
 OCT Big Help for Tiny Icom IC-R5: CS-R5 cloning software and IC-R5.com software  
 NOV DRM - Who and What is it?  
 DEC DRM: Digging Deeper (description, software and hardware to receive)

**DIGITAL DIGEST**

JAN Digital Comms at Sea: Petrom, Spanish Navy, Russian BEE  
 FEB Pakistani and Indian Diplo Ops; Venezuelan Net; New Node in British ALE Net  
 MAR New Egyptian Hieroglyphics (new diplo encryption); Network build-out at SeaWave; More Mexican military; Utility Monitoring Central

APR Two Diplomatic Nets: MFA Copenhagen, MFA Budapest; Venezuelan Navy River Units  
 MAY Scrambled Voices (Mystery SSB Transmissions, What does a speech scrambler do?) MIL-188-110A soundcard decoder; N Korean Diplo; MFA Algiers  
 JUN Japanese Diplomatic Service Activity; Tadiran HF Equipment; Brazilian Forces Net  
 JUL All at Sea with CODAR; Mystery PactOR networks  
 AUG Venezuelan Army; HMS Carlskrona (Swedish Navy)  
 SEP Decoding Software Update: Wavecom, SkySweeper, Hoka, Radio Raft, AX.25  
 OCT Maritime and MFA: CODAR update; MFA Copenhagen on HF; Ecuador Navy on ALE; MFA Paris high-speed HF  
 NOV Listening to Low Freq Utes  
 DEC Digital Winter Mixed Bag: USCG ALE Net on the Move; Brazilian Navy; STANAG4285; The Morning FAX from Japan

**THE FED FILES (odd months)**

JAN The City of Brotherly Love (fed agencies in Philadelphia); EPA frequencies; Strategic Petroleum Reserve freqs - the mystery Texas signals  
 MAR Monitoring Phoenix - The Land of the Sun; DOI purchasing APCO P-25 Equipment; Coast Guard "Rescue 21" being Deployed  
 MAY US Dept of Homeland Security: Main Directorates  
 JUL Homeland Security, Part Deux: Transportation Security Admin; FAA NARACS; NEST moving; P-25 Activity Found; FLETC Getting New Radios; New Encryption Standard; Boeing in FL  
 SEP Update on Space Center Trunking: More NASA Trunk Systems; More gov APCO 25 Uncovered; TIGTA  
 NOV NASA Callsigns; Monitoring the NIICD (wildfires); US gov freqs in France; More APCO 25 Comms; San Diego Area Fed Freqs

**THE GADGET GUY**

JAN Plantronics' CT10 Cordless Headset Phone  
 FEB Icom's Insanely Great IC-T90A  
 MAR Galaxy's DX 2547 CB Base Station Shines  
 APR C Crane LED flashlights  
 MAY Midland's Excellent GMRS/FRS Handi-Talkie  
 JUN Midland WR-30 FM/Wx radio  
 JUL Cobra's Excellent PR 350-2WXVP  
 AUG Minelab's Fascinating Explorer II Metal Detector  
 SEP Follow-ups on some worthy gear: Icom IC-706 transceiver, Minelab Explorer II metal detector  
 OCT Survival Tools: Navitool, I-Quip, Survival Staff

NOV Cobra's Sweet-Sounding  
PR4000WX  
DEC Rokenbok System radio-  
controlled toys

#### GLOBAL FORUM

JAN Some have a use for shortwave,  
some don't; link to HFCC files  
FEB Internet Resources for DXers  
MAR Deutsche Welle Drops English to  
US; Radio Netherlands  
Reorganizing  
APR WARC 2003 / HFCC  
MAY Where the Buzzes Are (DRM);  
latest WRTH update File; El  
Dorado for LA DXers; DX Signal  
site  
JUN (see Closing Comments)  
JUL "Monitoring" Shortwave People  
(Steve Anderson, Harry Kliphuis,  
Richard Kotey, RKI Jem Cullen)  
AUG Web Resources  
SEP Spurs, Images, and Harmonics  
OCT Shortwave Lives!  
NOV Radio Free Cascadia Intl  
DEC WPE, WDX SWL Call Signs

#### LETTERS

JAN Ed note re Milcom/Fed File swap  
and Kosovo correction; feedback  
on using electric fence wire; old-  
time hucksters; more opinions on  
MARS; Marconi memorial  
pictures  
FEB RDFing the Old Way, Emergency  
Kit Scanner, Memories of China,  
Winter SWLfest; listening post  
picture, pic of KIMF location  
MAR What's the Law?, Satisfied  
Satellite User, Railspotters  
Encounter, Lowband Listening,  
Coro at Kulpville?, Happy  
Associations, unid radio shack  
APR "Frequency Matters" correction;  
cooking show and MT anthology;  
Quantum QX Rave; Radio in My  
Life winning essay  
MAY Winterfest Report; Manufacturers  
should get it right the first time;  
SW still source of information; the  
silent majority  
JUN Volunteer Monitors Needed  
(RDFing tagged animals);  
Notification Networks; Internet  
Radio Linking Project; MT Goes  
to the Gulf; More on Adjacent  
Channels; More on Channel 1  
JUL MT Marks LVH Anniversary; SW  
and Going Digital  
AUG TenTec RX-320 Feedback;  
WCBS Correction, Cost of PS  
system upgrades, Junk Shop  
Challenge, Power Line  
Communications, Skip Arey  
receives award  
SEP For Love of RS DX-66; GPS  
Jamming?; MT Express; MT  
History Buffs; Pancake antennas;  
NJ State Police Update; More on  
Michigan  
OCT Jean Baker farewell; Oct Cover  
correction; Marine Beacons; BBC  
Gone Again; Power Line  
Communications; DRM; Morocco  
photo

NOV On Scene at the Big E; Nevada  
Test Site; Support for  
SpaceCam; Print Screen;  
Hooked on Radio  
DEC Proof in Performance (MARS);  
Radio in NYC; License to Listen  
(air travel tips); DXing Papua  
New Guinea; RN Sked; Thanks  
to Robert Wyman

#### MILCOM

JAN The GHFS Net is History (name  
change to HF-GCS), frequencies  
and procedures  
FEB Monitoring the German Military  
(Air Force, Navy, Coast Guard,  
Unidentified)  
APR Monitoring the US Army Aviation  
on HF  
MAY Monitoring Operation Iraq  
Freedom; US Air Force HFRB  
Broadcasts; Armed Forces Day  
2003  
JUN Aerial Refueling Tracks (1)  
JUL Aerial Refueling Tracks (2)  
AUG Aerial Refueling Tracks (3)  
SEP Milcom Mailbag: Delton, FL;  
Airshow reports; Spectrum Holes  
OCT Milcom Monitoring in the SE  
(MCAS Beaufort, Ft Benning)  
DEC Monitoring Fort Leonard Wood;  
Mil Monitoring in New Jersey;  
Pilot to Dispatcher (PTD); Recent  
Milair Freq Changes

#### MONITORING AND THE LAW

MAY Our E Pluribus Unum Radio Laws  
JUN New York Monitoring Laws  
AUG Navigating Florida's Scanner Law  
SEP Monitoring Rules Apply to Police  
OCT All Eyes on California  
NOV Monitoring Michigan  
DEC South Dakota PD Wants Your  
Scanner

#### MT REVIEWS

JAN Wavcom W40PC  
FEB CCRadio *plus*: The Ultimate  
AM/FM/TV/Wx Band Portable?  
MAR WiNRADiO WR303i shortwave  
receiver; Delphi's SKYFi XM  
satellite radio system  
APR Talon Magnetic-Antenna Mast  
Adaptor  
MAY GAP "Hear It" DSP Speaker  
JUN TenTec RX-320  
JUL Ramsey Radio Direction Finding  
Kits: DF1 Foxhound; DDF1  
Doppler RDF  
AUG Grundig Classic 960: Instant  
Antique Radio  
SEP PAR End Fed Z EF-SWL  
Antenna  
OCT FRS in Perspective (Midland G-  
225)  
NOV K40 RD850 Radar Detector; PAR  
Antenna follow-up  
DEC Kentwood's Here2Anywhere  
Portable Sirius Kit

#### ON THE BENCH

JAN A New Use for DSS Dplxers  
(one cable, two antennas)  
FEB An Economical BCB Ribbon  
Loop Antenna

MAR External Antenna Jack on  
Sangean ATS-909; Interference  
Filter for Medium Wave DXers  
APR Rotary Antenna System Solutions  
MAY MFJ's Versatile Noise Canceling  
Tool, MFJ-1025; modifying the  
MFJ-1025 for AM/LW  
JUN Software for the RX320  
JUL Two Eras of Technology: The  
National NC-183D vs. the Icom  
R-71A  
AUG The Great (TenTec) RX-  
320/(WinRadio) G303i Face-Off  
SEP Tips from our Readers: FM Band  
Preamp for FM Dxing; Roll Your  
Own 800 MHz Quarterwave;  
Heatsink Those Soldering Jobs;  
Save Those Walls!  
OCT Tivoli PAL; AlphaLab RF Field  
Strength Meter  
NOV "How a Geek Sets His Watch"  
DEC Debriefing Hurricane Isabel:  
What worked, what didn't

#### ON THE HAM BANDS

JAN A New Use for DSS Dplxers  
(one cable for two antennas)  
FEB Do It Yourself QSL Cards  
MAR Slinkys in the Sky  
APR Ham History through the  
Handbook  
MAY The Well Rounded Radio  
Amateur  
JUN When PIGs Fly; Field Day;  
Summer Reading  
JUL Pursuing QSLs  
AUG Power Line Communications  
SEP Fall Clean-up  
OCT "Manual" control (putting your  
manuals on CD)  
NOV Uncle Skip's Holiday List  
DEC My Favorite Contest (ARRL 10  
Meter)

#### OUTER LIMITS

JAN Holidays Prime Time; Switzerland  
BCing Situation; Free ACE  
FEB Pirate BCing Nixed by FCC  
(statement about FCC policy re  
pirates)  
MAR Iraq War Begins with USA-  
Sponsored Clandestine  
Broadcasting; Saudi Clandestine;  
Berkeley Bust; Winter SWL Fest;  
Steve Anderson Indicted  
APR Iraq War Clandestines Continue;  
Hit Shortwave; Pirate Activity  
Patterns; Arthur in, Helms retires  
at ACE  
MAY Odd Europirate Freqs; UK Gov  
Chasing Pirate ISPs; Kulpville  
Pirate Forum; Iraq Clandestine  
Info  
JUN Slight Reduction in Pirate  
Activity; DXing.info; Information  
Radio  
JUL Information Radio More  
Commonly Heard; NA Pirates  
Shifting Frequency; RTTY Pirate;  
Dutch Pirate Busts  
AUG KIPM Clarifies its Radio Format;  
Iraqi Communists; European  
Maidrop Addresses

- SEP Trailer Park Ministries Mystery Solved; Pirate Frequencies Still Variable
- OCT Finding Humor in Pirates (Partial India Radio); Pirate Freqs Still Variable
- NOV FM Pirate Radio Free Cascadia; Arthur J Green photo found
- DEC DX Conditions Improving; Talk Like a Pirate Day

#### PLANE TALK (even months)

- FEB Airport Freqs (New Orleans, Denver, Atlanta, Houston, Dallas-Ft Worth, St Louis, Des Moines); AirNav Live flight tracking software; news and jokes from Australia (Bob Bell)
- APR Potomac Consolidated TRACON; airport freqs (Wash-Dulles, Balt-Wash; Anchorage; Orlando; Boise; McCarren [Las Vegas]; Port Columbus and Rickenbacker [Columbus, OH]; Ft Wayne)
- JUN Recording Cockpit Voices and Flight Data; Center Weather Service Units; Anchorage Center Freqs
- AUG Visiting Texas (Ft Worth ARTCC Remote Transmitter Sites, Dallas/Ft Worth Intl, Dallas Love Field, San Antonio Intl, Houston ARTCC remote tx sites); HF Aeronautical Frequencies; West Coast ARTCCs (Seattle, Oakland)
- OCT Plane Talk about Denver; Denver ARTCC, Denver International
- NOV Monitoring the Test Pilots; Robins AFB airshow

#### PROGRAMMING SPOTLIGHT

- JAN It Helps to Have a Big Brother (SWBC survival techniques)  
**Selected Programs:** By Station
- FEB Two international media competitions: NY Radio Festival, The Third Coast Festival  
**Selected Programs:** By program type
- MAR Award-Winning International Radio  
**Selected Programs:** By Day
- APR "Gone," but not Unheard (how to hear stations not targeting NA)  
**Selected Programs:** By Station
- MAY DX, SWL, Media & IT Programs  
**Selected Programs:** By Type
- JUN Just Stickin' to 49 (meters)  
**Selected Programs:** By Day
- JUL Summertime Easy Listening  
**Selected Programs:** By Station
- AUG Appointment Listening and Other Tips  
**Selected Programs:** By Type
- SEP The 30-Minute Radio Magazine  
**Selected Programs:** By Day
- OCT Monitoring the Voice of America  
**Selected Programs:** By Station
- NOV DX Programs: the VOA and You  
**Selected Programs:** By Station
- DEC "Shortwave" without Shortwave  
**Selected Programs:** By Type

#### QSL REPORT

- JAN news and tips on QSLing
- FEB Philately and QSLing
- MAR It's All About Storage
- APR Prague releases new QSL card
- MAY Russian Reception Report Forms
- JUN Don't Sweat It (MW)
- JUL Ready for Island Hopping?
- AUG 15 Years Later ...
- SEP The SASE Method
- OCT Enclosures
- NOV Time for a follow-up?
- DEC Electronic QSLing Sign of the Future

#### RADIO RESTORATIONS

- JAN Continuing the Zenith 6-S-229 Restoration
- FEB The Zenith Comes to Life
- MAR Aligning the Zenith 6S229
- APR A Short History of Vacuum Tubes
- MAY Wrapping up the Zenith 6S299 Project
- JUN Our Next Project: The Hallicrafters S-40A
- JUL The Hallicrafters S-40A: Clearing the Decks
- AUG S-40A Cosmetic Problems
- SEP S-40A Tuning Drive Reassembly; New "Impoverished Radio Experimenter"
- OCT S-40A Mechanical Reassembly and Tube Testers
- NOV Recapping and De-Modifying the S-40A
- DEC The S-40A: Still a Restorer's Challenge; EH Scott, The Dean of DX book review

#### SATELLITE SERVICES

- [www.monitoringtimes/mtssg.html](http://www.monitoringtimes/mtssg.html)
- JAN Galaxy 5, Galaxy 9, Telstar 7, Satcom C3, Galaxy 1R
- FEB Americom-7, Americom-8, Americom-6, Galaxy 3R, SBS-6, HGS-5, Americom-5
- MAR Americom-2; Americom-3; Telstar 4; Galaxy 11
- APR Telstar 6; Galaxy 3C; Telstar 5 (Ku band)
- MAY Telstar 5 (C-band); Glaxay 4R; Americom-4; Americom-1
- JUN GSTAR-4, Anik F1, Morelos 2, Anik 2, Solidaridad 2 (C-band)
- JUL Solidaridad (KU-band); SATMEX-5; Anik E1; Galaxy 10R
- AUG Galaxy 5; Galaxy 9; Telstar 7; Satcom C3
- SEP Galaxy 3R; Satcom C4; Americom 7, 8, 6
- OCT Americom 6, 5, 9, 3; Galaxy 12; ABS-6; HGS-5
- NOV Americom-3, Galaxy 11, Telstar 6, Galaxy 3C (Cband)
- DEC Telstar 5

#### SCANNER EQUIPMENT

- JAN Radio Shack PRO-95 Scanner
- FEB Software for Icom IC-R2, IC-R3, and IC-Q7; PRO-92A/B, PRO-2067 Squelch Modification

- MAR Tk92 Software for the PRO-92/2067; ICOM IC-R3 UHF Interference
- APR Audio and Visual Amplification - GRE Super Amplifier, OptiVISOR Binocular Magnifier
- MAY Uniden BC250D Portable Scanner; C Crane Versacorder problem; Become a Scanning Renaissance Man
- JUN Uniden BC785D Tabletop Scanner
- JUL ICOM IC-R5 Portable Receiver; Nitelogger II Source
- AUG Software for ICOM IC-R10 and IC-R5 Receivers
- SEP The Tactics of Highly Successful Scannists
- OCT Scanner Collector Items; Frugal Indoor Antenna
- NOV Aceco FC2002 Frequency Counter
- DEC Radio Shack PRO-96 Scanner

#### SCANNING CANADA

- JAN A Royal Visit; Bill 49 a Threat?; Scanning Whistler, BC
- FEB Into the Icefields, Pemberton, BC
- MAR Ham-Ex, Canada's "Dayton North"
- APR World's Largest Shopping Mall, Province of Alberta
- MAY Scanning Canada's Lakes; OPP Still Around
- JUN Digital Police Special; Who's going digital and who's not
- JUL What's Left to Scan, Eh? Transportation and school bus freqs
- AUG The Maritimes Scanning Site
- SEP Scanning the Ottawa Valley
- OCT More Analog Police Frequencies
- NOV Emergency Management Radio Services; US/Canada cooperation; Calgary move to digital
- DEC Reader Contributions; HMCS Haida

#### SCANNING REPORT

- JAN Refarming at the Movies; Weather Research Activities; Niagara Falls Scanning
- FEB Florida Films and Seattle Scanning; Matt Cawby profile
- MAR An Avalanche of Frequencies (new VHF licenses)
- APR Vern Modeland profile, Arkansas-Missouri frequencies; move movie freqs; Detroit PS freqs; SE Pennsylvania freqs
- MAY The Wireless Metropolis: new 4.9 GHz public safety band
- JUN My Head Hurts from Gigahertz!; Advanced Wireless Services; GA Dept of Corrections
- JUL Confirmed AZ frequencies; new GHz assignment; Eagles concert in Sunrise FL, Masters Golf Tournament in Augusta GA, Qualcomm Stadium in San Diego CA; Houston update
- AUG Arizona Update; NASCAR and Nextel; Taylorsville, NC; Gulfport, MS; Emergency Response

Exercises; Radio Spectrum Management; Belmont Stakes; how to research frequencies

SEP Palm Beach County Transitions to Trunked

OCT A Guide to Southern Oregon

NOV The NFL Football Report (Kansas City, Phila, Miami); Miami and San Francisco stadium event freqs; ICOM PCR-1000 software; Homeland Security patient tracking system; wireless courtroom

DEC A Fond Farewell; Closing Thoughts on New Technology; Mail (Phoenix/Tempe area wildfire monitoring)

#### TRACKING THE TRUNKS

JAN Military Trunks and Radio Manuals; Cincinnati Airport correction; PA OpenSky update

FEB Puerto Rico federal trunked systems; Uniden on future plans for digital card; Phila, PA; Palm Beach Co, FL

MAR APCO P-25 Family Traits, how it works and which radios can hear what; State of Florida update; Riverside County, CA

APR Testing, Testing...(new systems): Howard Co, MD; Montgomery Co, MD; Phoenix/Mesa, AZ; State of Ohio; New York, NY. Tracking 9600-bd systems; Radio Shack digital scanner? Scanner software list website

MAY Motorola Busting out all Over: Martin Co FL, Genesee Co MI, Anne Arundel Co MD, Loudoun Co VA, Fairfax Co VA, Airports

JUN Sorting Out Talkgroups in LA; Flagstaff, AZ; Johnson County, IN

JUL Converting Console IDs, Rapides Parish, LA; Jacksonville, FL; Anne Arundel Co, MD; Annapolis, MD; Marin Co, CA; Hamilton Co, OH

AUG Radio Shack Announces PRO-96; Interference

SEP Radiocommunications on the Internet. South Dakota, EDACS and the PRO-92

OCT Tracking the Logic of LTR (Quebec, Albuquerque, Colorado)

NOV The Digital Diversity of APCO-25; new Uniden scanner; Rapides Parish, LA; Cleveland, OH; Pelham, NH

DEC Signs of Things to Come: Wash DC, State of Alaska systems

#### UTILITY WORLD

JAN Antarctica on HF; Cuban Morse from Canada?!

FEB Is Wireless Email the Future of HF? (PACTOR systems), SailMail freqs; more on Antarctica

MAR A Marriage Made in Cyberspace (Winlink 2000); Even more Antarctica

APR Monitoring Digital Selective Calling

MAY US Changes Radio Rules as WRC-03 Approaches

JUN Utilities in the Gulf: Air-ground phone Patches, ALE, Weak Signals; Where is New York VOLMET?

JUL Old "German Numbers" Resume; FCC Experimental Licenses (incl. CODAR); NY VOLMET Returns

AUG Hilda Global: All the World is One; coronal holes and geoalert software

SEP WRC-03 Wraps Up; SHARES Adds 2 frequencies; Geoffrey Halligey

OCT ALE: Everyone's Getting Linked (Venezuela, Mexico, unid); WWWH

NOV Long Distance Operational Control; Echo Charlie

DEC Globe Drops SITOR Service; Is Telex Really Dead?; More on Honolulu Weatherfax

#### VIEW FROM ABOVE

JAN Trading Spaces (GOES-9); An eye on NE US

FEB To Buy or Not to Buy? (transition to digital LRIT; Current WXSAT status

MAR NOAA Satellite Conference Report; Starting Out - A Beginner's Story; Monitoring Meteor 3-5

APR WXSAT to Imaging Program; Operational WXSATs

MAY A Hobby with Ulterior Motives; Polar Satellite Status

JUN Memories of Winter; GOES-12 becomes GOES-E; NOAA Channel Switching; Meanwhile in Europe

JUL Digital for All! MSG-1 opened to amateurs; NOA HRIT and LRIT, impact on GOES WEFAX; NOAA-17 reduces tx power; GMS-5 to GOES-9 transition plan

AUG Digital Weather Satellite Transmissions - LRIT; internet site reminder

SEP Getting Started with Weather Satellites, Internet Site Update

OCT Basic WXSAT Reception

NOV LRIT Testing, Testing... NOAA 14 degradation; NOAA-N status; Hurricane Fabian

DEC Bang! Crash! NOAA-N accident, NOAA 16 Problems; LRIT Test Transmissions

#### WASHINGTON WHISPERS

JAN New Technologies Undergo Labor Pains (wireless networking and DTV conversion)

FEB SMS: Text Messaging over Cell Phones

MAR Fugitive Radio Operator Arrested in NC

APR FCC Authorizes GPS-Enhanced FRS Transceivers (final column)

#### WHAT'S NEW

#### Books, CDs

Antennas for Communications CD Dec

ARRL DXCC List Sep

ARRL FCC Rulebook Oct

ARRL Handbook Feb

ARRL Hints & Kinks Aug

ARRL Image Communications Feb

ARRL Instructors Manual Oct

ARRL License Study Manuals Sep

ARRL 2003-4 Repeater Directory Jul

Ask Bob Anthology Apr

Astronomy Demystified Apr

Australasian SW Guide Feb

Bepop to the Boolean Boogie Aug

Crystal Radio Bonanza May

Dictionary of Earth Science Jun

Dict of Geology and Mineralogy Jun

Domestic BC Survey 5 Sep

Electromagnetics Explained Mar

FM Atlas Oct

Getting Started in Electronics Sep

Gordon West Tech Study Manual Sep

Grove SW Directory CD Mar

Guidelines for Christian Radio Apr

Inside the Shadow Government Dec

Klingenfuss HF Publications - 2003 Super Frequency List, Guide to Utility Radio Stations, Shortwave Frequency Guide Mar

Newnes Dictionary of Electronics Jan

Newnes Guide to Radio and Communications Technology Nov

Now You're Talking! Jul

NRC AM Radio Log Dec

On Air - History of BBC Nov

Police Call 2003 May

Radio Data Code Manual May

SPRR CD-ROM Library Apr

Voice of America, History Sep

WRTH Shortwave Guide 2 Sep

World Radio TV Handbook Apr

YASME Expeditions Sep

#### Business news, Software

ATOC Tech. catalog Oct

Digital Scanner News Jan

Digital Scanning News May

DXtreme Station Log - multimedia Jun

Grundig Satellit 900 May

Grundig Europe bankruptcy Jul

Railfans Welcome database Oct

Shortwave Report (Dan Roberts) Mar

Transport-comms newsgroup Oct

WinscanDP Jul

#### Equipment

Ant.Spec. cellular/GPS antennas Jan

AOR ARD9800 digital modem Oct

AOR Signal Magnet Jul

Becker/KVH mobile office Feb

Cambridge Soundworks 730 Jun

Cutting Edge QuickZipRadioPouch Aug

Cutting Edge Ent. RadioWallet Jan

Davis Wireless Weather Station Jun

Edmund Scientific power supply Jan

Griffin iTrip for iPod Oct

Icom IC-R5 Apr

Jabra hands-free headsets Jan

K40 Hi-Performance CB Antennas Jun

Lobeman mini radio Jun

MAYAH DRM 2010 Aug

MAYAH DRM 2010 Nov

Monster ConnectAll 200 Jul

Radio Shack GRE PRO-96 Aug

Radio Shack PRO-96 (first look) Nov

Radio Shack PRO-99	Dec
RIGblaster Pro	Feb
RIGrunner 4010S	Oct
Sangean WR-1 AM/FM radio	Dec
Sangean Travel Pro SW	Nov
Switch On! electronic bldg blocks	Apr
SWL IR Remote for Icom IC-R75	Jul
TERK TV42/44 clip-on antennas	Jan
Terk TV Volume Control	May
Uniden BCi 25D Digital Card	Jun
Uniden BCT8 scanner	Nov
Vanu Software Radio	Jul
Whattmeter	Oct
WinRadio free S-meter plug-in	Feb
WinRadio Long Wire Adapter	Aug
Yacht Boy 550PE AM/FM/SW	Dec

# Monitoring Times 2004 Index

## FEATURES

### Broadcast

All India Radio-Winds of Heaven NOV  
 Annual MT Baseball Line-Up Card JUL  
 Boy Scouts DXpedition DEC  
 Broadcasting Out of Sri Lanka SEP  
 Domestic SW BCing in Russia FEB  
 Radio France International MAR  
 SW Listeners Field Day DEC  
 Tales of Two Frequency Clashes FEB

### General

Monitoring in Croatia JAN  
 Signals from Space (hamsats) MAY

### Nostalgia/Human Interest

Birth of the Radio Networks AUG  
 Dave Boyd, Bicyclicnomad MAY  
 Diode Vacuum Tube Centenary NOV  
 Monitoring Our Earth (seismic) DEC  
 Sunday and the Philco MAR  
 Vintage Ham Radio Operating MAY  
 Western Historic Radio Museum AUG

### Scanning:

Air Traffic Control Simulcasting FEB  
 Beginning Military Monitoring NOV  
 Calif Airborne Firefighters JAN  
 Dayton's Biggest and Best MAR  
 Grand Prix Fire Monitoring JAN  
 Highway Maintenance Allocations FEB  
 How Wide Area Systems Work APR  
 Inside the Austin/Travis Co TRS APR  
 Monitoring Logic Trunked Radio DEC  
 Monitoring the HMX-1 White Tops SEP  
 On Scene at Air Shows MAR  
 Potomac TRACON JUL  
 Radios and Racing JUN  
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 Red October - Fires still burn OCT  
 Romancing the River (N'awlins) JUL  
 Salt Lake Center ARTCC FEB  
 San Antonio TX DEC  
 So California Combat Air Patrols APR  
 VHF Air Band in So Louisiana JUN

### Technical

Deep Space Monitoring at PARI OCT  
 DXing Digital TV JUN  
 From Logs to Blogs MAY  
 GPS-Location, Location, Location AUG  
 Is it Broadcasting or Datacasting? MAR  
 Propagation Myth Busting JAN  
 Propagation Outlook for Spring APR  
 Propagation Outlook for July-Sep JUL  
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 Receiving Digital OTA TV Signals JUN  
 Save Your Local Airport (SATS) FEB  
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 Timeshift Your Listening SEP  
 Twenty-First Century Radio (1) AUG  
 Twenty-First Century Radio (2) SEP  
 Twenty-First Century Radio (3) OCT  
 User-Controlled On-line Tuners JUL

### Utilities

Monitoring S America Military FEB  
 MT Hot 1000 HF Freqs (#1) APR  
 MT Hot 1000 HF Freqs (#2) MAY

## AMERICAN BANDSCAN

JAN Days of a Stormy Sun; Bits and Pieces - WRLL, KKOB booster, US gov callsigns, WJZ confusion, new TIS stations  
 FEB VOA Operates QRO! (Sao Tome); Bits and Pieces (Expanded band, Whozzit? Digital comes to Mexico)  
 MAR Mailbag: power vs height; Xium Air Dish empty promises; unusual reception; Freq shifts and changes, Beverage URL  
 APR IBOC Implementation Update; Bits and Pieces (legal and illegal intruders, TIS proliferation)  
 MAY 12th Street Gets Tough (FCC fines); Verifications; distorted TIS; Canada catch  
 JUN Get Ready for More Crowding (new AM licenses); indecency fines; liberal talk  
 JUL IBOC: The Next Step; Bits and Pieces: HDTV Ruckus, DX Test QSL, Dead Air for Air America, Openings  
 AUG International Notes: Mexico, various; Bits and Pieces (WFAN opportunity; Software Defined Radio)  
 SEP Bye-bye, Licenses (Levi Willis stations); Bits and Pieces (Mexicans move; Loopy TIS)  
 OCT Win Some, Lose Some (Clear Channel news); Bye-bye licenses part 2: Musical Chairs in Cleveland; Bits and Pieces - New Station, High-Band Skip  
 NOV Reading Material (AM Radio Log, Pacific Asian Log, Antenna Reference); Bye Bye Licenses, Part 3; Temporary CHEV Renewal; More IBOC; KGNU solution  
 DEC Emergency Radio; K,W...and X; More IBOC

## ANTENNA TOPICS

JAN An Omnidirectional Scanner Antenna (J-pole)  
 FEWB Useful Antenna Concepts: isotropic antenna, real-world antenna characteristics  
 MAR Learning about Antennas - resources for learning more  
 APR Choosing a Scanner Antenna  
 MAY Visually-Friendly Receiving Antennas  
 JUN Dipoles: Variations on a Theme; Useful Books from LB Cebik  
 JUL Some Rules Were Made to be Broken: The higher the better, Resonance will Improve reception, Half-wave dipole feed-point impedance is 72 Ohms, High SR causes significant loss  
 AUG Some Vertical Antennas: Vertical quarter-wave ground-plane, Marconi vertical quarterwave grounded; making a vertical antenna

SEP In Search of the Ideal Antenna: Part 1 - Characteristics  
 OCT In Search of the Ideal Antenna: Part 2 - Practical Approaches  
 NOV In Search of the Idea Antenna: Part 3 - Practical Transmitting Considerations  
 DEC Fading and Antenna Systems

## BEGINNER'S CORNER

JAN 10 Meters: Gateway to the Air  
 FEB Tuning the FM Band, antenna and receiver options  
 MAR Beginner's Look at HF Digital Modes  
 APR Cable, FM Reception, and Sirius Issues  
 MAY Putting a Big Signal on the Ham Bands Cheap  
 JUN Beginner's Questions: FM to Satellites: stacked array; speakers for Sangean 909; CCRadio Plus review; DirecWay risky business?; Free DISH programming; QSL Tips  
 JUL Keeping a Log: Options for SWLs & Hams  
 AUG New Tricks for Old Dishes  
 SEP Monitoring the HF Specialty Nets  
 OCT Celebrity Hams and E-Logs Revisited  
 NOV Condo Dishes and FM in the Office: Balcony Dishes for Condos, Going for the Big Dish; FM Tuning in the Office Cubicle, Indoor antenna tips  
 DEC SWLers QSLing Hams

## BELOW 500 kHz

JAN Looking for Lowfers: receiving tips, QRSS, who's on the air, selected lowfer stations  
 FEB Try Longwave! Equipment, identifying; news and loggings  
 MAR Congratulations, LWCA (30 yrs); Personal Locator Beacons; Winter SWL Festival  
 APR Mystery Beacon (TRY); AOR-Palomar loop swap; Beacon loggings; ODXA 30 years; summary of Natural Radio websites  
 MAY WWW Picks - Kevin's Top 17; Discontinued WX broadcasts  
 JUN Super Slow CW Results in Record; WWVB Trivia; LF Loggings  
 JUL Summer Strategy; SWL Net anniversary; Online Help for RFI; ODXA Update  
 AUG Giving Something Back (doing a presentation)  
 SEP Longwave Timeline; New ID Resource  
 OCT Gearing Up: Antennas; Your Receiver; Read the Manual; Listening Resources  
 NOV Long Wave Challenges; Time Warp (results w/very old equip); "Best Bet" Beacons



NOV AirNav Systems Live Flight Tracker 3  
DEC AirNav Live Flight Tracker 3 now 6

#### DIGITAL DIGEST

JAN SITOR-A Still Heard; Swiss Diplo Service, Irish Defense Forces  
FEB Receiver Matters, which receiver's best?  
MAR Listening Tips; US Civil Air Patrol; Brazilian Navy Update  
APR Gulf of Maine CODAR; UMC website updates; Decoder Round Up  
MAY Domino, Missionaries, & Moroccan ALE  
JUN Globe Wireless Idle Signals Revealed  
JUL Globe Idle Signals Part 2  
AUG Tunisian Diplomatic Service; Israeli Navy's 4XZ; New Propagation Beacon  
SEP Keeping Up-to-Date (sources); Indian Ministry of External Affairs  
OCT Getting Going with ALE - ALE Redux; Decoding ALE; What's Out There on ALE? (Brazilian Navy, French Diplo Svc, Mexican Army; French Navy  
NOV Brazilian Navy Networks; Brazilian Navy ALE; Estonian Army  
DEC Bucharest Calling; Aid Operations in Sudan

#### THE FED FILES

JAN Back to the Basics: equip, search, research, tips; Travel Freqs: Denver, Minneapolis, Portland OR, Wash DC  
MAY Interoperability-Let's Talk; New Interagency Law Enforcement Freqs; Federal Trunked Systems-Bureau of Prisons; Changing Channels; Listener Logs  
SEP Dept Homeland Security - New Agency, New Frequencies; US Customs; New Fed Wireless Networks; Secret Service Super Secret?

#### THE GADGET GUY

JAN Cobra Xtreme Street Communicator  
FEB How to Survive Any Storm! (book)  
MAR PC NoteTaker  
APR The Well-Dressed First-Responder (Moore Manufacturing CM Pro radio harness, Hands-Free radio harness; C Crane Voz earpiece)  
MAY Olympus C-750 Ultra Zoom Has Long Reach  
JUN Simmons CaptureView  
JUL C Crane Freeplay Plus  
AUG Garmin's Outstanding Rino 130  
SEP MT Reader has Bright Idea - Ecustomware.com Luxeon LED flashlights  
OCT Can You Hear Me Now? C Crane's Bionic Ear  
NOV ICOM's Superb IC-V8 Handi-Talkie

DEC Are we high enough yet? High Gear's Altitech2

#### GLOBAL FORUM

JAN RFPI Loses its Buildings; Tropical Band Countdown; Dave's Radio Rx Page  
FEB Voice of Mediterranean closes  
MAR Precision Frequency Measurement  
APR Neat New Websites  
MAY XERMX Gives Up On SW  
JUN Goodbye to Israel, Slovakia, Switzerland  
JUL Information Radio is Back - from Bahrain or Ships?  
AUG Radio Mexico Int'l Finally Closes Down; Fire at Radio Habana Cuba  
SEP Shakeup at Voice of America Leads to Staff Revolt  
OCT An American SW Broadcaster's Perspective (Jeff White, Radio Miami Int'l)  
NOV Minivan Radio, New Clandestine for Maldiva Is.  
DEC A Modest Proposal for Coping with Jamming

#### LETTERS

JAN Happy New Year (2004 column changes); Keep Radio Open to the Public (Calif fires); Applause for ARINC and MT; Overseas Purchase Woes; Sun-Struck  
FEB The Evolution of MARS (various perspectives); Fractal Challenge  
MAR Radio Frustrations; Streaming Scanners; Scanning in S Dakota; To the Propagation Prof; SWL Callsigns; MT Covers; Kevin Carey's radio shack pic  
APR Correcting the Record (WR303i & DRM, Oud vs Loud typo); Grundig Mini 100PE; FRS (Motorola vs Audiovox); Station IDs (Radio Reloj, Radio Diva); Support for MT (lifetime subs, MT Express)  
MAY Greetings from Baghdad; Budget Busters; Testimonials  
JUN Fineware and DRM; Welcome, Prime Time; Puzzling over new technology; Music without words (RFI); Simple solutions (digital card problem, producing 4-pt type)  
JUL Anything for a Sale (Japanese magazine cover); Bruno the Scanner Dog; Pet Peeves; Bring Back Radio Dramas; PRO2001 Still Going Strong; Aid for Iraqi Amateurs; My Start in Radio  
AUG Missing the FedFile; Lat vs Long; CCRadio; Ham Radio Deluxe; Local Laws; Trivia Time Below 500 kHz; Geocaching; Bellingham Museum  
SEP Setting the Record Straight (MLB baseball line-up; Yagi antenna; Japanese magazine cover); Latin Logger's radio shack; SW Online Forum in Spanish; Old Time Radio source

OCT Mystery Antenna in Roswell; Hobnobbing with Jay Leno; Lowe not shipping to North America; Down Memory Lane (Intl SW Listeners Guide), Reader Survey  
NOV Bob Parnass Retires from MT; Hearing the Hurricane Hunters; Hurricane Evacuation and AM Radio; Frequency Tips; Volunteerism (Marconi Museum)  
DEC The Spirit of Giving; Time Shifting; Appreciation for departing columnists

#### MILCOM

JAN Mil Monitoring in Las Vegas; DOE/NV Test Site Trunked System; KSC/CCAFS Trunked Updates; 104th Fighter Wing Freqs; Milair freq changes (various); NATO Daily Callsigns; Marine base Barstow CA help needed  
FEB Mil Monitoring in Brasstown; misc freq changes  
MAR Military Flight Demonstration Groups - frequencies, equipment, show schedules  
APR Military Frequency Spectrum Holes  
MAY Who are the Black Daggers? Military Frequency Potpourri; NOTAM Freq Changes; Spectrum Holes  
JUN New Military LMR Band: 380.0-399.1 MHz; Frequency Changes; Pop Air Force Base  
JUL Airshow Frequency Update; 1-2 Aviation Regiment; Helicopter Training Squadron 8/18; Monitoring Hawg Smoke; New NOTAM Frequencies; Spectrum Holes  
AUG Sub-bands in the UHF Milair Spectrum (glide slope freqs, ARTCC/ATC assignments, FAA spectrum holes)  
SEP Is HFGCS Switching to Digital Voice? AWACS first on HF email; Eglin AFB Trunk System LMR Update  
OCT Catch a Wave and Monitor a Flat Top! (US Navy Aircraft carriers and their wings)  
NOV Monitoring the HF Action Bands; Frequency Changes; Military Trunk Systems Update  
DEC The New Year's Deadline is Near! (narrowband); Westover Air Reserve Base; National Capital Region P25IP trunk system; Ft Gordon trunk system; Freq Changes/Spectrum Holes found; NG HF ALE addresses change; NORAD tracks Santa

#### MONITORING AND THE LAW

JAN On Air but no longer On Line (re streaming audio)  
FEB May the Law be with You (radio confiscation in Adirondacks)  
MAR Kentucky Scanners: Use It and Lose It  
APR Be My Guest (changing attitudes and statutory law vs US Codes)

MAY Scanners in the UK  
 JUN Eight Website for Finding Your Monitoring Law  
 JUL New Florida Law; Scanners in Virginia and West Virginia; Radar Detectors in VA; Police Jammer gets 8 years  
 AUG Pranks Result in Federal Conviction under Patriot Act; Critical Infrastructure Defined  
 SEP The Bill of Rights - Void Where Prohibited by Law?  
 OCT Dumb Radio Laws (Chattanooga, TN); Finding your own city code  
 NOV How High Can You Go? Scanner antenna regulations  
 DEC Are You Law-Abiding? Or Ignorant?

#### MT REVIEW

JAN WiFi Plus Wideband Antennas  
 FEB MFJ Travel Tuner; PowerPort GearHarness  
 MAR Yacht Boy 550PE portable AM/FM/SW receiver; Sounds Sweet side-by-side speaker comparison; Kaito KA1102 multiband portable  
 APR AOR's Top-End AR-ONE  
 MAY PAR Electronics Stressed Moxon 6-meter Beam  
 JUN Monitor 4 Geiger Counter  
 JUL AOR WL-500 Window Loop Antenna  
 AUG Sirius vs XM: the AudioVox/SkyFi Faceoff  
 SEP AOR ARD25 Data Receiver; DWM Yo-Yo Tenna  
 OCT Kaito WRX911 vs Grundig MiniWorld 100PE  
 NOV WiRADiO's G313i HF Receiver  
 DEC WiRADiO AC-71C Discone Antenna; ICOM SP-23 Noise-Reducing Speaker

#### ON THE BENCH

JAN A Visit to AVCOM; Another EZ-SWL Antenna Testimonial  
 FEB How do receivers work, anyway?  
 MAR VHF Slim Jim Antenna for 2m  
 APR BYOB - Bend Your Own Brackets  
 MAY How do CW Transmitters work, anyway?  
 JUN Experimenting with DRM  
 JUL Audio Amplifiers You CAN Build  
 AUG Meteor Scatter Communications  
 SEP Setting up a Radio Shack  
 OCT Black Light Goes Solid State (Nichia UV-LEDs)  
 NOV FlexRadio Software Definable Radio  
 DEC Running PowerSDR for the FlexRadio SDR-1000

#### ON THE HAM BANDS

JAN Happy New Year - more amateur radio resolutions  
 FEB Microwaves Ain't Just for Cooking  
 MAR The Rarest of DX (top ten hardest logs)  
 APR Great Ham Radio Reads (ARRL Tech Class Video; International Antenna Collection; ARRL HF/HF Antenna Classics)

MAY Over Ham Radio's Horizon (new technology)  
 JUN Uncle Skip and the Meteors (meteor scatter communications)  
 JUL Remembering OSCAR; Earth Base  
 AUG Are You Ready? (emergency preparedness using pails)  
 SEP September Selections (new @ CW character; ham radio and biking; BPL rejected in Iowa; best online swap meet; handheld desk base solution; simulated emergency tests; put emergency channels in your tx; VE anniversary; thank your Elmer  
 OCT Fun with Forty Meters and Googling N2EI (Search Engine Ego Trip)  
 NOV I Get By with a Little Help from My Friends; Taking Ideas on the Road; Biking Ideas; Take Ideas a Step Further  
 DEC Ham Holiday Wish List

#### OUTER LIMITS

JAN Pirate Commentary or Personal Attacks?; Local Pirates; Andrew Rugg; Argentina Pirate; Euro maildrop change  
 FEB Why Do Pirates Operate? Radio Oases Cut; World Music Radio Returning; South American Pirates  
 MAR Unusual Unlicensed BC QSLs; Iraq clandestine shuffle; pirate radio at Fest; new Europirate address; FL/PA pirates  
 APR Radio Free Brattleboro vs. FCC; Unusual QSL (Spam Radio); Clandestine Radio.com; Europirate Freqs  
 JUN Winterfest Produces WMPR QSLs; Clandestine QSL via Internet; CKUT Intl Radio Report staff change; Radio Free Brattleboro Reprieve  
 JUL Summer Static and Daylight; This year's Fest; WNFC; Local Areas Challenge FCC  
 AUG USA to Use Aircraft for Anti-Castro Clandestines; Havrilko's ACE Column  
 SEP NA Pirates on FM La Voz de la Resistencia  
 OCT Magnetic Field and Pirate Radio Activity Declining? KFAR Burglarized; Braveheart Radio  
 NOV Radio Moshiah and Redemption on the Web; Voice of Natl Salvation Gone; Minivan Radio; Sudan; Clandestine Web Sites  
 DEC KFAR and Radio Santa Cruz Busted; Schoech's QSL Info Page; Europirate Season

#### PROGRAMMING SPOTLIGHT

JAN Streams of Consciousness: language lessons, Sounds Nordic, The Comfort Zone, religion programs.  
**Highlights:** RA Feedback gone; Elliott clipped; RN weekend afternoons  
**Selected Programs:** By Time

FEB Culture and the Arts  
**Highlights:** BBC, Voice of Russia, China Radio International new programs  
**Selected Programs:** By Time  
 MAR Strong Signals (where are they?); Religion on Radio Redux; Comfort Zone Redux  
**Highlights:** Beijing Schedule, Music in other Languages  
**Selected Programs:** By Type  
 APR Random Thoughts (Managing Traffic; Platform Migration)  
**Highlights:** Death of the VOA?  
**Selected Programs:** By Station  
 MAY DX, SWL, Media & IT Programs  
**Highlights:** BBC High- and Low-light; VOA Cuts More; Sports are Back  
**Selected Programs:** By Type  
 JUN Relax...It's Summer! (easy listening)  
**Highlights:** DW in NA; SRI Cuts and Runs  
**Selected Programs:** By Time  
 JUL Keep Relaxing! It's Still Summer!  
**Highlights:** BBC-The Proms, Letter; Radio Taiwan Intl; Radio Slovakia Intl  
**Selected Programs:** By Station  
 AUG The Right Tool for the Job (buying a new radio, audio improvements, used radios)  
**Highlights:** Scandia News & Notes  
**Selected Programs:** By Type  
 SEP Appreciating What's Come Before (classic radios); VOA Needs Our Help Now!  
**Highlights:** The Peacock Project; On SW to NA!  
**Selected Programs:** By Day  
 OCT The Medium versus the Message (good programming that's good regardless of delivery mode)  
**Highlights:** WRN via WRMI  
**Selected Programs:** By Station  
 NOV Listening to Canada  
**Highlights:** DX, SWL, Media & IT Programs  
**Selected Programs:** By Station  
 DEC The Holidays on Shortwave  
**Highlights:** DX, SWL, Media, IT  
**Selected Programs:** By Station

#### QSL REPORT

JAN National Holiday QSLing  
 FEB More Holiday QSLing  
 MAR Merci, Danke, Grazie, Obrigado, Thanks...for the QSL!  
 APR Tentative Reports  
 MAY Got QSLs? (ham awards open to SWLs)  
 JUN Award Chasing (NASWA DX awards)  
 JUL Hot July QSLing ( all logs)  
 AUG The Lure of QSLing Lighthouses  
 SEP Staying Current on QSLing Trends  
 OCT Location, location, location! (transmitters and relay sites)  
 NOV Automated Reception Reports (Radio Free Asia)  
 DEC Ring Their Bell!

## RADIO RESTORATIONS

JAN S-40A Wrap-up  
FEB The "Human Side" of Radio Restoration (RCA Victor 1AX1)  
MAR Continuing with the "All American Five"; To Recap or Not Recap?  
APR Book Reviews and Readers Comments (Impoverished Radio Experimenter, Complete Guide to Antique Radios: Tabletop Vol 4, Charles Herrold, Inventor of Radio Broadcasting)  
MAY Finishing Up the "All-American Five"  
JUN The National NC-46  
JUL Calling in a Substitute: Reversing the Owner Mod; Cabinet and Controls; Enter the Tragic Flaw; Substituting the NC-57  
AUG Methodical Radio Restoration: 1. Starting Up Your Project  
SEP Methodical Radio Restoration: 2. Capacitor Replacement  
OCT Getting Back to the NC-57  
NOV Visiting a Major Antique Radio Meet  
DEC Back on Task with the NC-57

## SATELLITE SERVICES

[www.monitoringtimes/mtssg.html](http://www.monitoringtimes/mtssg.html)

JAN Galaxy 4R, Americom-4,-1 (Ku)  
FEB Americom-1 (C),-2; Anik F-1, Morelos 2  
MAR Anik E1, E2R, Solidaridad 2; Morelos 2  
APR SATMEX-5; Anik E2; Loral Skynet Telstar 13; Echostar-IX; Galaxy 10R  
MAY Panamsat SBS-4; Panamsat Galaxy 5; Panamsat Galaxy 13; JSAT International Horizons-1; Loral Skynet Telstar 7; SES Americom Satcom C3  
JUN Panamsat Galaxy 1R; SES Americom Americom-10, Americom-7, Americom-8, Americom-6  
JUL Americom-6 (Ku), Panamsat SBS-6, Americom-5, Americom-9, Americom-3, Galaxy 11 C-band  
AUG Galaxy 11 Ku band, Intelsat Americas 6, Panamsat Galaxy 3C, Intelsat Americas 5 C-band  
SEP Intelsat Americas 5 Ku-band; audio subcarrier updates  
OCT Panamsat Galaxy 4R; SES Americom-4; NASA News  
NOV Americom-1; Americom-2; AnikF1; Anik F2 (C-band); WCPE update  
DEC Anik F2 (Ku); Solidaridad 2; SATMEX-5; Anik E2

## SCANNER EQUIPMENT

JAN NCS-3230 Multi-Rx Audio Controller; Yaesu VR-5000 Hint  
FEB Uniden BCT8 Scanner  
MAR Radio bench, test bench, portable scanner stand; reader comments on PRO-96  
APR Uniden BC296D Portable Scanner; Trunkito MPT1327 Trunk Tracking Software

MAY Uniden BC796D Scanner  
JUN Choosing a Scanner: Scanning Tips (PRO-92, -2067 flse CTCSS code; how to reset Uniden scanners; antennas for handhelds; scanner speed-up advice; spectrum display low IF output; equipment repair and maintenance; closing problems; join a club  
JUL CSI Flex Series Multiprotocol Decoder; Monitor vs. Scanning Receiver  
AUG ICOM IC-R8500 Revisited; Uniden Documents Computer Commands  
SEP Uniden BC80XLT Portable Scanner  
OCT Uniden BC898T Scanner  
NOV ICOM IC-R20 Portable Receiver; Bob Parnass farewell  
DEC A New Era in Scanning - First Look at the Uniden BC-246T (LVH)

## SCANNING CANADA

JAN New Year, New Freqs; Windsor Casino; Toronto Airport terminal getting new system, ILS Landing tests, Pearson tight security; Annapolis Royal Police  
FEB Scanning the Railhead, The Orangeville and Brampton Railway; Can-US freq cooperation 220-222 MHz  
MAR Ham-Ex Time again; Caledon, ON  
APR Brampton ON; Lester B Pearson airport's new Terminal One; More Code an official language? (April Fool); HMCS Haida hobby radio sunk  
MAY Respond Emergency Communications (Mississauga)  
JUN One Busy Megahertz: 30 MHz Canadian assignments  
JUL Digital Frequency Hunting at Toronto Airport  
AUG Frequency Hogs in Hogtown (Telus Mike system vs Metro Toronto PD); Scan Alberta enthusiasts; GeoScanning 80W 44N  
SEP Ontario Gov Mobile Comms Project  
OCT Burgers, Busy CD, and Boy Scouts - 30 MHz listening; Quebec Scanning; Ontario Freq Directory; ScanCan and Boy Scouts  
NOV Our "Northern" Neighbors - Kingsville ON; Windsor ON; Ontario FleetNet System Status  
DEC ScanCan Inside Peel Region Fire Dispatch Center

## SCANNING REPORT

JAN The APCO-25 Snowball Effect: Culpeper County VA; Oakland Co MI; Macomb Co MI; Detroit MI; Burbank CA; Louisville KY; Orange Co CA; Utah and the future  
FEB Sharing the Cost of Connectedness: James City and

York Counties, VA; South Dakota; Glendale, AZ; Boone Co, IN; Atlantic City; San Diego Co CA  
MAR Choosing a Scanner; Firmware Updates to BC296D and 796D, PRO-96; Nebraska; Gaylord MI; San Diego CA; Kosciusko Co IN; Wash DC  
APR Internet-Enhanced Scanning (audio online, computer aided dispatch online, putting audio online); Monroe Co MI; Westport MA; South Dakota; Southern Wisconsin  
MAY Get a Charge out of Scanning (scanner batteries); Maine; Tippecanoe, IN; Somerset Co, MD; Delmarva (Delaware, Maryland, Virginia); Detroit; Dayton Hamvention  
JUN Special Temporary Assignments (GA Public Safety Training Center); Indiana SAFE-T; Imperial County, CA; Aurora, IL; Elgin, IL; Richland County, SC; Pawtucket, RI  
JUL New York, New York: New York City Channel 16; New York State System; OpenSky in Pennsylvania; Maine Updates, more Maine updates, and interference in Maine  
AUG Reshuffling the Frequency Deck (NJ-NY freq swap); Arkansas (Benton Co, Washington Co); Illinois (state system, McHenry Co, Mutual Aid Box Alarm System); Daytona Beach FL  
SEP Phoenix, Philadelphia, and Pennsylvania - Phila Air & Sea; Homeland Defense Alerts; Phoenix-Mesa; Concert Scanning, Boston; PA State System, Phila, Cumberland Co, Westmoreland Co, York Co  
OCT One Type Does Not Fit All (clearing up the complexity). Southeastern Texas (STARnet, Harris County TX, Montgomery County TX); Houston County GA; Fairfax County VA; State of Virginia; Tempe AZ; West Virginia  
NOV Tallahassee and Florida Scanning: Tallahassee, Florida State, Palm Beach Co; Cecil Co MD; Charleston SC; Phoenix Updates; New Radio Shack Scanner  
DEC Aeronautical Scanning - general airport monitoring, plus Lincoln NE details. Scanning: Washington DC Metro; Lincoln NE. PRO-96 upgrades

## UTILITY WORLD

JAN Maritime Public Coastal Radio list  
FEB Oceanic Radiolocation, MW radionavigation, fish net beacons; corrections  
MAR AFRTS/AFN Confusion Continues; new beacon oddities; coastal station list additions  
APR Shining Some Sun on 4XZ



# Monitoring Times 2005 Index

## FEATURES

### Broadcast

Beginners Guide to SW Listening JAN  
 Bienvenido a Mexico OCT  
 Birth of a Station (TIS) JUN  
 Changing World of FM DX APR  
 Cuba's Battle of the Airwaves DEC  
 DX Games to Play DEC  
 Hello from Alfa Lima Intl JUN  
 Making the Case for FM MAR  
 The Elusive Part 15 Broadcaster APR  
 Voices from the Banana Belt (CA) SEP

### Nostalgia/Human Interest

On Writing Club Newsletters JUN  
 Radio and an Old Man DEC  
 RL Drake Company AUG  
 The Social Side of DXing FEB

### Scanning:

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 Andrews: Busiest Air Base in U.S. MAR  
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 Narrowbanding and Your Scanner JUN  
 NAS Patuxent River Flight Testing SEP  
 NASA's Return to Space MAY  
 Northrup-Grumman Flight Testing AUG  
 Patrolling the Palmetto 800 Trunk System JUL  
 Scanning the Big Bend of Texas AUG  
 Scanning the First State (DE) JAN  
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 State of Louisiana TRS JUN

### Technical

Antenna Alternatives APR  
 Digital Radio Mondiale Symposium FEB  
 Harvester: Signal Intelligence JUL  
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 New Comm Modes (IRC, chat, etc) JAN  
 News Feeds and Blogs JUL  
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 (R)evolution of Podcasting NOV  
 Short Wave Log program SEP  
 Wireless Networking MAR

### Utility

Every Island Tells a Story (IOTA) May  
 The Digital Ham Revolution May

### **AMERICAN BANDSCAN** (even months)

FEB State-by-State (Best bets for logging): Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island. WBIX-1060 in trouble? X-band News. More Spanish stations. Heritage call letters. Transmitter on a ship.  
 APR Atlantic Seaboard State-by-State; IBOC Experiences; Only in Washington; New Targets; Lost Towers; X-Band Activity; IRCA  
 JUN State-by-State Through the South. DX News. KBXZ pirate or

not? Harmonics: Stations that Aren't. IBOC News  
 AUG State-by-State: DXing the Delta. IBOC News; Letters; Stations That aren't; Musical Chairs  
 OCT State-by-State Moving Southwest; IBOC News; Oops (interference); It's Baack (payola); Moving  
 DEC State-by-State: Way Out West; Katrina; Rita; IBOC News; New station guides

## ANTENNA TOPICS

JAN Alternatives to Elevated Outdoor Antennas - indoor, underground. Build an active antenna  
 FEB Antenna Types: Dipoles. Make a folded dipole.  
 MAR Antenna Types: The Marconi. Build a ground-plane or two  
 APR Antenna Types: Loop and Dielectric Antennas  
 MAY Antenna Types: Antennas with Reflectors  
 JUN Antenna Types: Helical Antennas  
 JUL Antenna Types: Mr Beverage's Wave  
 AUG Virtues of Directional Antennas. Build a Yagi-Uda  
 SEP Some Basic Antennas for Short Waves  
 OCT Liquid Antennas and Other Oddities  
 NOV Feed Lines, Waveguides and Their Applications  
 DEC Christmas Down on the Antenna Farm ("tree" related antennas)

## BEGINNER'S CORNER

JAN Beat the Sunspot Cycle Blues  
 FEB Where are the Bands? Check the Beacons!  
 MAR Getting Started in Digital SW Reception  
 APR A Set of "Cans" for Your Post (headphones); Reader's Tip on CW  
 MAY Ham Antennas for Small Budgets and Space  
 JUN Out-of-the-Box Success for Digital Beginners  
 JUL Exploring the World of Satellite Radio  
 AUG Beginner's Guide to Bargain Hunting  
 SEP New DX Season: Four Ways to Make it Great; Field Day Remembered  
 OCT ISS: New Opportunity for Beginners; Crossword Puzzle Fans  
 NOV Readers Write: Missing Sat Dish Manual; Zinwell FTA Receiver Repair; PRO-9 problems; Resurrecting C-band Gear; Amazon's Amazing (Terk) AM Antenna  
 DEC Holiday Picks: weather stations; HD FM radio; digital decoder;

digital TV receiver; DIY radio station; VHF/UHF scanner antenna

## BELOW 500 kHz

JAN Catching Up, Mailbag, Miscou DXpedition  
 FEB ELF Shutdown and loggings; VA3LK/WA3ZIA SK; new bnd for UK? Longwave Timeline Additions  
 MAR Loggings Galore (Pennsylvania, Wisconsin, Connecticut)  
 APR Open the Door to Good DX (closet door loop antenna)  
 MAY More from the Mailbag: Longwave in the 1950s; Vintage Marine Band; Australian Loggings  
 JUN Longwave News. Cruising for Beacons. 156 Beacons and Counting... New Hampshire Logs  
 JUL Summertime Listening; 500 kHz to Light Up?; Mailbag; LWCA Dues to Rise  
 AUG Tune-In to NAVTEX. 6-meter amateur beacons.  
 SEP One-Watt Wonders (LOWFERS)  
 OCT Getting on the Band; Canadian Loggings; Web Tips  
 NOV Did You Know... ID, Please; It's Your Call; What Goes Up; On the Road Again; Loggings; Mailbag  
 DEC Season Opener: Chasing Euro-Broadcasters; Beacons; Experimental Stations; Bottom End Sweep

## BOATS, PLANES, and TRAINS

JAN **Boats:** Cold weather, Hot DX. Great Lakes Fall VHF Traffic. Modern Marine Communications. Info from Readers: source for marine channels, finding cruise ship freqs. Winter monitoring.  
 FEB **Planes:** Names and Numbers in Air Comms: Frequency numbers; Runway numbers; VOR Names; Airspace Fix Names; Visual Landmark names. Aero Chart info and ordering.  
 MAR **Trains:** Upgrading the Shack, Yaesu FT-7800; Various RR Freqs; ATCS highlights  
 APR **Boats:** Marine Radio Springs into Life; Canadian East Coast; US Camslant; Amateur Radio; 5 MHz Beacons; Great Lakes VHF; Marine Radio License Changes; KPH on the Air  
 MAY **Planes:** Monitoring Transoceanic Flights: Where to Tune; Understanding What You Hear; Following Aircraft; SELCAL Checks; Aircraft Photos  
 JUN **Trains:** Cold Weather Railscanning. Chasing the CF&E. Carrying Scanners in Indiana. Crossing Whistles. "Hoosier Line" Railway. Steamtown Historic Site

Freqs. Yahoo's RailScan Group. New Milwaukee Channels. Butler Co, KS. Firecrackers.

JUL **Boats:** New Life for Marine HF Morse (KSM) NOAA Research Vessel; Modern Marine Communications; VHF Activity; Myrtle Beach SC; US Marine Radio License; Canadian HF SAR Frequency

AUG **Planes:** Altitudes, Altimeters, Settings and More. Intersections in the Sky.

SEP **Trains:** The Detroit and Mackinac; RailroadRadio.net; Signal Skip; Hot-box Detector; Voice Train Reporting (VTR)

OCT **Boats:** Marine Meanderings

NOV **Planes:** Finding VHF Aircraft Frequencies (via scanner, AirNav.com, Airport Freq Directory, Percon online sub service, Yahoo! groups, Google, Monitoring Times

DEC **Trains:** Winter Activities and the Yaesu VX-170; basement train layout and receiver review

#### COMMUNICATIONS

JAN BROADCASTING: FCC auctions 288 licenses; Student station grab. TECHNICAL: Design an SDR; Short solar cycle? Capricious TV; TV-B-Gone. FCC: Wireless highway; Here comes AWS; Nextel/Verizon truce. HOBBY: WUN celebrates 10 years; AWR Wavescan shifts

FEB FEDERAL: Has the DoD FLIPped?, FCC Okayed to Reband 800 MHz; 700 MHz Needed After all? Spectrum Efficiency. AMATEUR RADIO: Enforcement Actions. HI TECH: DRM Sale. BROADCASTING: Drive-by Audio Sampling. SATELLITES: Canadians consider sat radio; changes coming to sat rescue systems; Hubble needs manned repair; Respond uses satellites to deliver aid; Record-breaking 55.1-mile wifi connection

MAR HONOR ROLL: Amateur radio and broadcasting response to Tsunami. FCC: Powell to Step Down; Spectrum not about Freqs; FCC fines KC station. Solar Unrest. BULLETIN BOARD: Baudwalking update; Winterfest

APR ANTENNAS: "Light" antennas; When an Antenna Farm becomes a Forest. VOLUNTEERS: needed to track Indiana Bats. FCC: Nextel Accepts FC Proposal; FCC reaffirms cable ruling; House approves indecency fines; More amateur disciplinary action

MAY SPACE: Shuttle vs Soyuz. FCC: Martin to least FCC; Software Radios Reined In; Software Radios Hit Snag. AMATEUR RADIO: Military Appreciation Day; Islands on the Air;

Hamvention Awards. OTHER: ANARC to be Disbanded; Radio Rumors; BBC World Service Cuts.

JUN SCANNING: New development in Michigan. AVIATION: Flight Service Stations. BROADCASTING: Schools Win, Taliban Clandestine Radio, Attacks in Colombia, Radio Cause of Skin Cancer? New Morse Station. CB: To the Rescue in Iraq. HI-TECH: Preventing RF leakage

JUL BROADCASTING: Vatican Radio, The ITU and the Internet. SCANNING: Michigan House Passes Bill, Doing the Texas Two-Step (San Antonio vs Wichita Falls). FCC: Analog Satellites Obsolete? OLD TECH/NEW TECH: Morse Code the Champion, Earth Sounds Inspire Students. MEMORIAM: Art Blick, VE3AHU

AUG HAMS: Ham Call for Back-up. STORM SEASON: Weather Spotters, Preparing for the Worst. New Hurricane Resource. LOW POWER FM: Freeze, Congress Actions.

SEP HAMS: FCC Set to Remove Code Requirement; Radio Friendly BPL? SPACE: Cellphones on Planes? New Telescope in the Works; New Signals in Near Space

OCT FCC: The Switch to Digital TV, Appealing to the FCC, Rebanding, Broadband Policy. SCANNING: New Florida Law, Gene Hughes Retires Police Call

NOV no column

DEC no column

#### COMPUTERS & RADIO

JAN DeLorme's Earthmate GPS

FEB Spectrum Capture using the RFSpace SDR-14 receiver

MAR Spectrum Lab's PC Based Electronic Construction

APR Wireless PC Lock / Soundbug

MAY Old DOS Radio Programs – Still Useful? (DX-AID, EasyDX, LogMaster, Shortwave DX-Log, SWL Logger, QSO Logging Facility, Terminat)

JUN The SDR-1000 with an "Approved" Sound Card

JUL Vintage Radio Software, Part Deux (DX Comm, Data-Comm, Communications Manager, SOS TNC, PC Pakratt)

AUG RxPlus - Just What the Doctor Ordered

SEP ScopeStation - An All-in-One RX-320 Program

OCT Free PC Electronic Test Instruments

NOV More Updates of Radio Software (Spectrum Lab, RxPlus, Shortwave Log, RadioMax, MixW, HamScope; software for RF Space SDR-14 and Flex Radio SDR-1000)

DEC Radio to the Max (RadioMax 5.22)

#### DIGITAL DIGEST

JAN Synoptically Speaking - weather codes, Synop stations, decoder software

FEB Digital Intruder Watch; Rohde & Schwarz Profile; Brazilian Navy and Army Update

MAR Counting Your CARBs (channel availability radio bulletin); Maritime Bands

APR Voice Frequency Telegraphy; Measuring VFTs and the Importance of the Pilot; Medecins Sans Frontieres Update

MAY The Versatile Frequency Manager

JUN More on Frequency Manager; French Navy Markers

JUL Voice Frequency Telegraphy Reprise; Spanish Police Back on HF; French Diplo Activity

AUG ALE Refresher

SEP NAVTEX: Information at Sea

OCT Bye Bye RTTY: Navy Markers Go High-Speed, French and Italian Navy Markers, Israeli Navy Converts Too, Propagation Markers; Easy ALE Catches

NOV HF DataLink; Kiel Radio; Mystery FSK signals

DEC Morse Utility Signals (propagation beacons and military markers); MMTY and NAVTEX correction

#### THE FED FILES (odd months)

JAN New Year for Fed Comms; Border Patrol update, San Diego Co CA. Updates: Transportation Security Agency, Federal Protective Service, Bureau of Alcohol Tobacco Firearms, Justice Dept

MAR What's Up with Low Band?; Listening in to USGS; US Marshals & Planet Airways; New WHCA comms vehicle; New US Coast Guard freqs

MAY Flying High with Federal Communications; Coast Guard Aviation; Customs Air Operations; Checking in with the FAA

JUL "Noteworthy" Fed Files. Florida Road Trip; TSA Correction; Federal Trunking Continues; BORTAC Anyone?; Chicago Trip; Veterans Affairs Medical Centers; More About Roadrunner; FPS Trunked System; Postal Inspectors; Operation Falcon; MT Bulletin Board

SEP Monitoring the FBI - or Trying To; NASA Update; Searching NY City

NOV The Straight Dope on the DEA. VA Medical Centers Revisited. APHIS - What's That?

#### FIRST LOOK

JAN Three Software Radios (FlexRadio, RFSpace, Icom)

FEB The Uniden SC230 NASCAR scanner  
 MAR Wavecom W51LAN digital signal decoder  
 APR Sangean/RadioLabs Super-909  
 MAY The Icom IC-746PRO as a Communications Receiver  
 JUN Radio Shack Pro-2096  
 JUL Uniden Raises the Bar Again - BCD396T  
 AUG WinRADIO's External G303e  
 SEP Radio Shack's Pro-97 - Decent Performance at a Decent Price  
 OCT SI-TEC NAV-FAX 200 Communications Receiver  
 NOV A Radio Revolution - Eton E1XM  
 DEC Uniden BR-330T

**THE GADGET GUY**

APR The Kestrel 4000 Weather Station (final column)

**GLOBAL FORUM**

JAN Israel Gone? Belgium Going  
 FEB Shortwave, the Medium for World Music  
 MAR The Tsunami and SW Broadcasting  
 APR Get Out and Visit Your Shortwave Stations  
 MAY Dr Eugene Scott, R.I.P.  
 JUN Co-ordinate or Get Covered!  
 JUL Indonesia: Opportunities Lost  
 AUG Plans for New Progressive SW Station; ITU Monitoring Reports  
 SEP Trends in Tropical Band Broadcasting: Introducing Shortwavemusic  
 OCT Radio/TV War with Venezuela?  
 NOV Katrina Prompts New SW Relay; SW sound libraries online  
 DEC New and Reacted SW Stations; Radio station email address list; Hann Hardonk's DX Page in English

**LETTERS**

JAN Change and growth; Radio stuff online; Scantenna takes a lickin'; Scanning laws; Reception on Amtrak; Chart attribution  
 FEB Thanks for your input; Milcom Responsibility; BPL in Cottonwood; Welcome Jim Clarke  
 MAR Resources for Used Receivers; Thanks for the Memories; Then vs Now  
 APR Preserve Analog SW Broadcasting (guest editorial by A.A.Al-Amin)  
 MAY Mystery Antenna (solved?); Two Views on DRM; Unauthorized Utilities in Ham Bands; Kaito WRx911  
 JUN Trains and Transportation column; In Sympathy; Ken Windyka letter to newsgroup; FM Atlas correction; Listening Post idea  
 JUL Mystery Antenna; Super Shuttle List; Thanks, But (why'd you cut the selected programming?)

AUG Embedded Technicians: A New Approach to Emergency Comms (guest editorial)  
 SEP Don't Forget Ten-Tec; Reader Raves; EDACS and Motorola Type II Update  
 OCT MT Internet Excellence Award; Embedded Ham Operators; BCD396T and Milcom; Rebanding  
 NOV Editorial: The Communications Blame Game  
 DEC Survivor or Victim? (be prepared); Dazylabs URL; resources for Mexican DXing; Closing "Ideas"

**MILCOM**

JAN Denver Area Base Upgrades Radios (Buckley AFB Trunk System); Robins AFB TRS new freqs; Bradley Going Digital; Rhode Is ANG Profile; 104th Fighter Wing Presets; Various freq changes; Where to look for Mil Activity  
 FEB DoD Publications/Charts; Milair Band Realignment Continues -- Splinter frequency Sampler  
 MAR Monitoring Military Flight Demonstration Groups - 2005 Air Show Guide  
 APR Code Names Uncovered; NORAD Combat Air Patrols; VMFA-312 Squadron Common; Raptors on the Air; VAW-78 Decommissioning; Military News Shorts  
 MAY Aero Monitoring on the Space Coast; 380-400 MHz DoD LMR Trunk Update  
 JUN Most Frequently Asked Question - Answered (how to listen to military air comms). Atlanta ARTCC Frequencies  
 JUL Monitoring Fort Jackson TRS; Los Angeles 380-399.9 TRS; Dover AFB on 380-399.9 MHz; 380-399.9 MHz Navy Ship TRS; MacDill Airfest 2005; Thunder in the Valley; New England Milcom Update; Frequency Changes; Memphis ARTCC  
 AUG Monitoring Hurricane Communications: a bit of history, aircraft, where to listen. Jacksonville ARTCC, Miami ARTCC  
 SEP Nationwide Freqs - Real and Bogus; Coast Guard Auxiliary; Northeast US Base Update; Wash DC ARTCC; New York ARTCC  
 OCT Air Force MARS Shift; Frequency Potpourri; Eglin/Tyndall AFB Freqs; Army Air Fields AAF; FAA ARTCC List (Boston, Cleveland, Indianapolis)  
 NOV Monitoring the Army Ranger Training. FAA ARTCC list (Ft Worth and Houston TX)  
 DEC 50 Years of Tracking Santa (NORAD); SE Milcom Freqs; FAA ARTCC List (Chicago and Minneapolis)

**MT REVIEW**

FEB SWL IR Remote control / LF Engineering H-900 Gainprobe active antenna  
 MAR A Poor Man's Ideal Portable-Degen DE1103; Optoelectronics X Sweeper; WinRadio AX-37 UHF Beam  
 APR Tivoli "Model Satellite" Sirius Table Radio / Small Space FM Reception Solutions: Terk's Artful Indoor Antennas  
 MAY AVCOM PSA-37XP Spectrum Analyzer  
 JUN Nitellogger II; Zap Checker 270; The Versatile Eton E10  
 JUL AOR SR2000 FFT Frequency Monitor  
 AUG Eton/Grundig G4000A  
 SEP The Kaito KA105 - A poor man's pocket digital  
 OCT Eton FR-300: It's Not Just for Emergencies!  
 NOV Mastech Ms8209 Universal Multimeter; Zap Checker 185  
 DEC Tune In International Radio Broadcasts with a Small Dish (Globecast World TV satellite system)

**ON THE BENCH**

JAN Build These Timely Additions to your Listening Post (clock projects)  
 FEB A Builder's Primer (kits)  
 APR 440 and More for Very Few Pfennigs (antenna construction)  
 MAY "Bugs" 2 "Boards" (homebrew ultraviolet box for burning circuit boards)  
 JUN Those Strange Motorola Type II and Ericsson EDACS Talkgroups  
 JUL Simple Voltage Regulator Circuits  
 AUG Toss the Cheap Earphone! Packing More Punch in Public Service (fanny battery pack)  
 SEP "The Warbler" - PSK31 on a Budget  
 OCT A Better AM Antenna for Your Handheld  
 NOV Electronic Kit Building a Lost Art? Not Any More! (Ten-Tec 1254 kit)  
 DEC Start Your Irons! (Ten-Tec 1254 kit, conclusion)

**ON THE HAM BANDS**

JAN Applying Your Monitoring Skills: Prepare, Listen, Tune, Propagation  
 FEB Some Great Used HF Transceivers  
 MAR Brainstorms and Daydreams (combining new digital tech and remote control)  
 APR Ham Software Free for the Asking: W6ELProp; MorseCat; Ham Graphics; DigiPAN  
 MAY Waking the Dead, Unruding the Rude  
 JUN Shaking up the Ham Shack: The PC, The Wires, Power, Finishing Touches  
 JUL Hamming it up on the Weekends

AUG Dead Repeaters a Live Issue (reader response)  
 SEP Back to School Reading: ARRL Repeater Directory, TravelPlus for Repeaters CD, QST View CD  
 OCT Low Bands and Loose Ends: Lo Band DX; Parts (Mouser); Crystal Kit (XSS Little Wonder); Drop the Code to Save the Code  
 NOV Annual Holiday Wish List: Gift of Ham Radio; Christmas in a Kit; Getting on the MAKE:  
 DEC Scanning for Hams

#### OUTER LIMITS

JAN Swiss Leave Shortwave to Pirate; Voice of Ethiopian Salvation address  
 FEB Pirate TV Advocacy in Calif; Radio Insurgente; Peace Radio Web Site; Old Pirate Confesses; Al Qaeda; Maldives Address; Pancho's QSL Page  
 MAR WSQT X-Band Pirate in DC; 4065-4070 kHz; New Star Web Site?; Shoch's Clandestine Survey; Winter SWL Fest  
 APR The Crystal Ship Returns; KBFR and KNOZ Silenced; Radio Insurgent Mystery  
 MAY FM Pirate Busts Continue; Why 6925 kHz? Eritrea Quasi-Clandestine Address  
 JUN The Future of Radio blog. Radio Gerbil vs. Radio Azteca. SW Radio Africa. Switzerland in Sound. WHBH Returns?  
 JUL Taliban Radio Resurrected; Derby Radio Shortwave; Another Zimbabwe Clandestine; Sudan Clandestine; The Corsair Transmitter; Australian Pirate Logged  
 AUG Holidays Spark Pirate Activity; Still no Insurgente Logs; Rare WMPR QSL; Denver TV Covers Numbers  
 SEP Florida Law Criminalizes Pirates; Radio Free Brattleboro Raided; Corsair Transmitter Again; Radio Hoa-Mai; WTOU  
 OCT Osama Bin Laden on Clandestine Internet TV; Pancho Villa in mp3; Radio Alpha Lima Links; BPL; More FM Busts  
 NOV Free Radio Network Redesigns Pirate Radio Web; Human Rights Radio Reactivates; WBCQ Special Mobile Broadcasts  
 DEC ACE Ceases Publication; Radio Free America?; Schoech's QSL Page; Orion Radio; Correction and Update

#### PROGRAMMING SPOTLIGHT

JAN Here's to New Beginnings. New Year Themes; Radio Sweden Anew; RNMusic.NL "Live! Online". **Non-English Services to N America**  
 FEB What is it about France? where is RFI; End of "BBC On Air"; SWL Winterfest. **Sundays Without Football**

MAR Challenging Conventional Wisdom (SW and tsunami); China Radio Intl; Radio Vlaanderen  
 APR The Spring-Summer Catalog (A05) - Part 1  
 MAY The Spring-Summer Catalog (A05) - Part 2  
 JUN The Shrinking BBC and VOA  
 JUL Is Podcasting the Answer?  
 AUG Odds and Ends (programming update, my favorite program, swprograms email list); and RNZI  
 SEP Digital Shortwave Makes Its Move; RTI Revises Program Line-up; A New DX Country?  
 OCT Award Winning Radio; Sirius vs XM; Podcasting Update  
 NOV The Pursuit of Information. This Month's Catch. The Passing Parade. BBC's Czech Service at Risk; BBC WS launches DRM Europe; Anti-BBC Sentiments  
 DEC How to Hear the BBCWS in North America

#### QSL REPORT

JAN QSL Scanning101  
 FEB Postal Alternatives  
 MAR QSLing the Spas?(Czech)  
 APR Period Reporting  
 MAY A closer look at prepared QSL cards  
 JUN Most Wanted QSL List  
 JUL July Scorchers  
 SEP September -- Time to DX!  
 OCT October's Holiday DXing  
 NOV AM QSL Tips  
 DEC December DXing

#### RADIO RESTORATIONS

JAN NC-57 Electronic Restoration Completed  
 FEB The NC-57 Returns to Life  
 MAR The NC-57 - Some Unexpected Glitches  
 APR Wrapping Up the NC-57 Project; Next project, signal tracers  
 MAY Digging into the Signal Tracers  
 JUN Putting a Signal Tracer Through its Paces  
 JUL Hammarlund Medium-Priced Receivers  
 AUG Decisions, Decisions, Decisions! A Couple of Reader Finds  
 SEP Radio Role Reversal; From the Mailbag; Survey Comments  
 OCT How Many Volts to Light a Tube?  
 NOV The First Broadcast Receivers  
 DEC The HQ-120: Picking Up Where We Left Off; Monthly AM Night

#### SCANNING REPORT

JAN Scanning in 2005; A Future for Scanning? Bristol TN; West Chester PA; Chester Co PA; Cumberland Co PA; Macomb Co MI; Scanner Holders  
 FEB Scanning San Bernardino and Beyond. Darien CT; EDACS LCN Ordering; Upland CA; San Bernardino Co CA; Terre Haute IN; Harford Co MD; PRO-96 Upgrade

MAR Making a Good Scanner Match (trunked scanner comparison chart); Downriver Mutual Aid, Detroit MI; New Uniden Scanner; Bristol TN update; Cambridge MD; Allegan Co MI  
 APR Understanding Trunking (using Petoskey, MI, to illustrate)  
 MAY Scanning Florida and Tennessee: Broward Co FL; Ft Lauderdale FL; Brevity Codes; Bearcat BCT-8; Memphis TN; Personal 2-way Communications; Dayton Hamvention  
 JUN California Scanning (Davis, U of Ca at Davis, Sacramento, Sacramento Co.), Michigan Scanner Permit, New Scanners  
 JUL Clueless in Wichita Falls TX; West Virginia, Parkersburg; Aurora CO.  
 AUG Radio Interoperability. Statewide systems: Nebraska, Kansas, Montana. FCC Paperwork (Delaware Co, IN). Antennas for Digital Reception. Uniden Scanner Upgrades. New Uniden Scanner.  
 SEP One Size Doesn't Fit all: Luzerne Co, PA; Washtenaw Co, MI  
 OCT Florida Restricts Scanner Use; Ocean County NJ; Selecting a Scanner; BC246T Firmware Update  
 NOV Plain Speaking about Ten Codes (FEMA pushes plain language); Umatilla County OR; Peoria IL; Saskatoon, Saskatchewan CAN  
 DEC Stretching the Communications Dollar - Detroit MI; Grand Forks NE; Prowers Co CO; Charles Co MD; New York update; Scanners and GPS; Scanner Knob Tip

#### UTILITY WORLD

JAN NY Volmet returns to Air; Canadian Sub Fire; US Coast Guard ALE  
 FEB HD2IOA: Time from Ecuador; More Cuban Numbers Changes; New Google Radio Resource  
 MAR New US Coast Guard Freqs; Tsunami Freqs; Is WWV's Voice Dead?  
 APR US 2182 kHz Watch Continues; More US Coast Guard; Weird Russian Telemetry  
 MAY Hear the Space Shuttle Return to Flight  
 JUN Oddities: Is Short Wave Haunted? (squeaky wheel, race car, Yosemite Sam), Commercial Morse lives  
 JUL Message Parsing: Finding the Information; NY VOLMET Again; Space Shuttle Audio Again  
 AUG Latest US Coast Guard Changes; US Military on 10 meters?  
 SEP Mailbag: Answering Readers' Questions  
 OCT E22: Spooky "Numbers"; Coast Guard ALE  
 NOV Katrina Blasts US Communications; COTHEN

DEC Digital Modes Come of Age: ALE,  
DSC, STANAG 4286; Katrina  
Update

## WHAT'S NEW

### Books, CDs

2006 QSL calendar	Nov
2005 Tower Site calendar	Jan
2006 Tower Site calendar	Nov
ARRL Amateur Radio on the Move	Nov
ARRL Handbook 2005	Feb
ARRL DXCC List	Apr
ARRL Periodicals on CD	Apr
ARRL Repeater Directory	Jun
Atlanta Frequency Directory	Aug
Australasian Shortwave Guide	May
Domestic Broadcasting Survey	Jul
Grove Radio/TV Broadcast Dir.	Feb
Ham Radio for Dummies	Jun
IRCA DXer's Technical Guide	Nov
IRCA Mexican Log	Dec
IRCA TIS/HAR List	Feb
Klingenfuss SW Freq Guide	Mar
Monitoring Times 2004 Anthology	Jan
NRC AM Radio Log	Feb
NRC AM Radio Log	Nov
ON4UN's Low Band DXing	Jul
Passport 2005	Jan
Sony 2010 Commemorative CD	Sep
S California Frequency Guide	May
S Florida Frequency and Trunking Guide	May
Sports Radio Play by Play Dir.	Jan
The Ham Band "Seek You" CD	Sep
Tourist Trains	Jun
Two-Way Radios and Scanners for Dummies	Dec
World Radio TV Handbook	Mar
WTFDA TV Station Guide	Aug
WUN Utility Guide Vol 3	Feb

### Business news, Software

EZ-PSK	May
WUN 10th anniversary CD	Jan

### Equipment

Alinco DJ-X7T pocket receiver	Oct
Alinco DR-635T Transceiver	Sep
AOR DA5000, DS3000A Discones	Mar
Babble audio voice-scrambler	Sep
Boom Bags audio luggage	Apr
Coding Technologies USB DRM rx	Feb
DX Engineering reversible Beverage & lightning protectors	Apr
Eton G4000A portable	Jun
Eton Porsche Satellite Radio	Mar
Fan-Link Intercom System/ noise-canceling headsets	Feb
Icom R75	Oct
Icom IC-756Pro III	Mar
K1CRA portable antenna rotor	Jun
KATAS AIS Receiver 1	Oct
Kinetic Avionics SBS-1	Oct
MFJ End-Fed Zepp Antennas	Dec
MFJ window/balcony antenna	Sep
MFJ ceramic strain insulators	Jan
Nightlogger II tape recorder control	Mar
Ten-Tec Acro-Bat antenna hanger	Apr
Uniden Bearcat BC-396T	Mar
Uniden BCD996T	Dec
Uniden NASCAR BR330T	Jul

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### Technical

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### Utility

Hams with a Mission	MAY
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Working the World on VHF/UHF	MAY

### AMERICAN BANDSCAN (even months)

FEB	State-by-State: Pacific Northwest; TV Powers; Canadian AM news; IBOC news; FCC broadcast station totals; really long DX
APR	State-by-State: Midwest; Lexington NB museum; NRC <i>AM Station Pattern Book</i> ; URBONO QSLs; HD radios; Wash DC programming change; Fighting a format change
JUN	State-by-State: Upper Midwest. Canada's last daytimer no dead yet? Two new ethnic Montreal AM stns; Montreal stn on 940;

AUG	HD Radio updatew; DXing with a homemade radio; E-QSLing State-by-State: Great Lakes. IBOC news; EAS false alarm; pirate hijack; X-band activity; Sorrenson obit
OCT	Alaska, Hawaii, and Beyond. IBOC news; RM translators & AM stations; More LPFMs?; More Exotic Pacific DX; Old Radio in the Gem State
DEC	Digital Debacle? More on IBOC; New stations and stations going away; 750 kilowatts? DX!

### ANTENNA TOPICS

JAN	Factors Useful in Antenna Selection
FEB	Antenna Farm in a Suitcase: (Antenna modeling, part 1)
MAR	(Antenna modeling, part 2); <i>The Easy Way: HF Antenna Systems</i> useful antenna book
APR	The Life and Times of a Radio Signal
MAY	Building or Buying Your Antennas: Part 1
JUN	Building or Buying Your Antennas: Part 2
JUL	Yagi-Uda Beams for HF, VHF or UHF
AUG	Antenna Wisdom from a Classic ("Radio Antenna Engineering")
SEP	Catching That Elusive Signal: Can't catch what's not there; your antenna catches noise too; look toward the signal to catch it; polarity; placement; A Good All-around Antenna (long wire)
OCT	Emergency Communication Antenna Readiness: Antennas above HF (let's build one); at HF or MF (let's build another antenna)
NOV	Real Grounds, Radio Grounds, and Artificial Grounds
DEC	Some Useful Antennas for Your Handheld

### ASK BOB

JAN	How to get started in ham radio; 463 MHz use; mobile FM broadcasting legal?; DSP status
FEB	Digital phone correction; problem w/magnetic base scanner antenna; antenna problems for 6 meters; recommended antenna for HF with ATS 909 portable
MAR	TV set interferes w/SW; wiring interferes w/SW; using one antenna for two SW receivers; can PAR antenna transmit?; What is a Zepp antenna? Will new technologies kill AM/FM?
APR	One antenna for 2 radios; advantages of coax; need all elements of discone? metal mast effects on nondirectional antenna; BC ID regulations; agencies liable for personal info

MAY	over air? protecting radio from overload w/external ant.; mounting multiple ants on same mast
MAY	Direction-finding Radio Republica, What's DSP? Old vs new scanner, Electrocutation cause shock? Voice IF on sat TV; digital TV converters
JUN	Apartment antenna; scanner overload; MURS; signal stalker range; sat radio on R3? Car radio static; built-in antenna hook-ups in new house
JUL	Satellites freqs?; Discone vs Beam; how to improve marine-band antenna; how to check for listening devices; how to feed two scanners w/one antenna; is lightning arrestor necessary?
AUG	Antenna mounted thru tree; RG-6/U okay for SW too?; outdoor ant vs indoor amplified ant; more on checking for listening devices; ANC-4 noise canceller trouble-shooting; identifying purpose of new ant towers; attaching ant directly to radio w/out coax; re unscrambling local agency comms
SEP	Signal loss using 2 scanners on 1 antenna; tree contact cause sig loss? How far do various freqs travel? Fixing non-responsive key. WR303e good beginner scanner? Explain USB/LSB.
OCT	What freqs do satellite radio use? Blocking interfering station; combining multiple SW antennas; baluns, preselectors, and tuners; finding RFID chips; Slinky vs conventional single-wire antenna; TAC still active on SW? can soldiers in lock-step break a bridge? do 2-meter transceivers outperform 70cm?
NOV	Stacking Scanner Beams; future of SW radio; how to measure audio tone on oscilloscope; what is RG6-U coax good for?; Can I hear NASA/KSC trunk system?; Can I run coax alongside sat TV coax? Are spectrum displays in wideband receivers real time so you get instant display?
DEC	Selling a cellular-capable scanner; power supply for old radio; descramblers illegal? jammers illegal? Is CB dead? sensitivity reduced in SW rx? wide-band scanner vs communications rx; acitve vs passive multicoupler

### BELOW 500 kHz

JAN	New Tricks in '06: Tips and Resources; What I Use; A/N Range systems
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FEB Prime Time - focus on Caribbean and S Am stations; LowFER listing  
 MAR Tune into Natural Radio  
 APR Buttoning Up the BBB-4  
 MAY Your Logs & Letters - SAQ (17.2 kHz), 454 kHz mystery solved, Logs from Alaska  
 JUN (repeat of May column)  
 JUL Summer Fun on LW; Mailbag  
 AUG Low Band News and Notes: maritime navaid changes; AZ loggings; lightning web site; NDBs endangered? German experimental work on 440 kHz; VA loggings  
 SEP DXing on the High Seas; SAQ Transmissions, 500 kHz Progress, SC Logs  
 OCT Season Opener: Antenna Once-Over, Receiver Checks, Publications, Online Resources; Cape Cod loggings  
 NOV Details, Details (data that can help your loggings); FAA calls; FAA V-shaped antennas; finding a beacon on your AM radio; hams apply to experiment near 500kHz; DXer's tense moment  
 DEC Successful Miscou 2006 DXpedition; ARRL 500 kHz experiment; 10 meter beacons

#### BOATS, PLANES, and TRAINS

JAN BOATS: Old and New on the Marine Bands; West Coast Canada Info; Automatic Information System; Digital Selective Calling; Great Lakes end of season  
 FEB PLANES: Nav aids - non-directional beacons, VOR, ILS, GPS  
 MAR TRAINS: Railroad Radio's Golden Years? A round robin; new website for railscanners.  
 APR BOATS: Gales, Groundhogs and Great DX; Marine Morse; VHF Freqs; Amateur radio; Lighthouse correction; HF Marine; Shack upgrade  
 MAY PLANES: Tracking Domestic Airliners (using FlightAware.com)  
 JUN TRAINS: Understanding Railroad Radio Transmissions  
 JUL BOATS: DX, Disasters, and Duty. Scanning Tips; HF DX; Emergency Duty; Equipment Changes; Useful Frequencies  
 AUG PLANES: Aeronautical HF (VOLMET, MWARA, LDOC)  
 SEP TRAINS: Understanding RR Radio Transmissions  
 OCT BOATS: Ships, Signals and Submissions. *DC Everest, Point Vigour, Trieste*; Amateur radio nets and contacts; NY Harbour freqs, McAlpine Dam KY freqs; Marine Radio Historical Society  
 NOV PLANES: Base Station Aircraft Listening Antennas  
 DEC TRAINS: Railroads and Geography; Narrowbanding; NC-DC Scanner Setup

#### COMMUNICATIONS

JAN AMATEUR: Straight Key Night. AVIATION: Restricted Air Space; Radar Malfunction? 390 MHz IF in Canada. BROADCASTING: Hard Date for DTV; Low Power AM proposal; no on-air IDs for football comms; Court upholds sentence for "prankster"; Interoperability problems are people not equipment  
 FEB BROADCASTING: Ham broadcast station; weather and emergency stations; Va DOT considers higher powered station; Emergency Alert System reevaluated; hard date for HDTV; High Definition radio. SCANNING: New P25 system at BWI; Motorola Blocks RadioReference. Obit: ARRL Staff member Bob Schetgen  
 MAR BROADCASTING: 75 Years of HCJB; airborne BC to Cuba; Cuban spies use numbers broadcasts; Is it a cellphone or radio?; Stern on pirate radio; TV calls for help. SPECTRUM ISSUES: Nextel swap may stall; other spectrum swaps; Airfone freqs to be auctioned. Obits: Radio Moscow's Joe Adamov, DXer Bjorn Malm.  
 APR FCC: Expanded Band, Cable a la Carte, Budget Increase, Ramsey Electronics Fined. BROADCASTING: Digital Radio in Europe, Cuts for PBC and VOA, World's Tallest TV Tower. MISC: Western Union Stops Telegram Svc, Stealth Satellite, Low Freqs for Mine Safety, On-Scene Interoperability  
 MAY AMATEUR RADIO: Dayton Hamvention Awards, Hams "Part of Solution", MS Adopts PRB-1 Statute, NC Next?, How NOT to Deal with Interference, Laws Amended  
 JUN WUN R.I.P.; Cellphones' Danger to Aviation no Myth; Trouble with Towers; A Matter of Time  
 JUL STORMS: Hurricane preparedness, ham emergency courses, storm watchers, National SOS network. NEWS BITES: Vint Hill Farms closing; Congress looks at Telecom rewrite; Night of Nights  
 AUG AMATEUR RADIO: Fatal accidents, volunteers for research, Manassas BPL, Mass hamsat launch, Moon Pie launch. BROADCASTING: Record BC, DRM 26 MHz service, DRM possibilities, Icelandic AFR signs off, SW in Latvia, NOAA studio tour. FCC: Media ownership rules, SBCA takes on OTARD, Sat Radio Hijackings, Seeking comments, Satellite report, Air-ground auction concludes. MISC:

Aging deep space antennas, GOES-N launched  
 SEP Predicting Space Weather, Navigating Galileo, GPS Scramble, Who's Who in Space, Ultimate DX  
 OCT Intruders Spotted in Several Amateur Radio HF Bands; National Emergency Communications Upgrade; Florida Going It Alone; Global Ham Radio Emergency Conference; Amateur Radio on Fed's Radar?  
 NOV Iqbal Arrest raises First Amendment questions; Hezbollah Eavesdrops on Israeli Comms; Pirate Goes Legit; HAMS: FCC Affirms BPL Rules; Hams Experiment w/Marine Band; Space Adventurers  
 DEC Duplicating Marconi; FCC Passes Omnibus Ruling; Planespotter and SBS-1; 800 MHz Rebanding Freeze?; WW SWL Contest

#### COMPUTERS & RADIO

JAN Using Band Master with your Icom Receiver  
 FEB Words in Time: RecAll-Pro & ClocX  
 MAR SysLabs' RadioControl and FTP Navigator  
 APR Syslabs RadioControl, part 2; 45 million mile DX  
 MAY YPlog Radio Control and \$20 Memory Device (USB 2.0 Slim External Enclosure)  
 JUN In the Air and On the Air; Free ACARS Decoder & More  
 JUL The ICOM\_OKA Free Controller  
 AUG Spyware: Get Rid of It for Free  
 SEP HF ACARS with PC-HFDL  
 OCT Log Analyser: An ACARS Must-Have  
 NOV DX Monitor  
 DEC Goodbye Win 98 - Hello XP

#### DIGITAL DIGEST

JAN Digital Utility software Mac computers (Black Cat Systems MultiMode)  
 FEB All at Sea - GMDSS and Digital Selective Calling; Automatic Identification System; Ecuadorian Navy  
 MAR XNet Yachting.Email and Aeronautical Selcals.  
 APR Armada de Argentina; Mystery SITOR-B Station  
 MAY Algerian Digital Profile (MFA and embassies, Customs and Border Patrol, military agencies, oil and gas fields), Swiss Air Force and Navy systems  
 JUN Egyptian Digital Review; More XNet Mail; ALE-based State Emergency Nets; Antenna Update  
 JUL HF Digital Users from France. Welcome, UDXF; French Diplomatic Service; French Navy,

French Air Force, French Army; A Word about IRC  
 AUG Digital Country Profile: Denmark (Air Force, Army, Navy, Weather, Coast Stations, Diplomatic Service), XSS ALE Mystery Net  
 SEP Brazilian Digital HF Users: Navy, Army, Air Force  
 OCT Which Decoder? Hardware-based decoders, Software to the Rescue? Final Analysis  
 NOV What's That Sound? Identifying Utility Signals  
 DEC Current Traffic: Indian Diplomatic Service; STANAG 4285

**THE FED FILES** (odd months)

JAN 2005 Hurricanes and Federal Comms; FEMA; FAA NARACS VHF; Miami Federal Freqs; Federal Trunking in So Fla  
 MAR Mysteries: new TSA Freqs? Fed Nationwide Paging? UHF Band Reorganization? Feds Going Nextel? Pittsburgh Area Trunked System; Freqs from the West Coast  
 MAY Federal Fire Frequencies, Federal Protective Service, TSA follow-up  
 JUL Search and You Shall Find! FEMA Frequencies; Integrated Networks Coming Soon; Extended VHF Air Band; Fed Freq Updates; Travel Searches (Houston, San Jose, and Las Vegas)  
 SEP Shining Some Light on the Dept of Energy (DoE Hanford, Lawrence Livermore, Bettis Atomic Power Lab, Oak Ridge Lab, Bonneville Power Admin, NNSA and NEST, DOE SECOM  
 NOV FAA NARACS Reborn; Federal Trunked Systems in NYC; Pittsburgh Area Scanning

**FIRST LOOK**

JAN Alinco's DJ-X7T  
 FEB A Fresh Look at the TenTec RX-340  
 MAR Kinetic Avionics' SBS-1 Virtual Radar  
 APR The Eton S350DL  
 MAY WinRADIO's G313e HF Receiver  
 JUN WinRADIO DRM Decoder Plug-in for G303-313 series  
 JUL The Uniden BCD996T  
 AUG Eton E5 Portable  
 SEP Uniden BCT15 Bear Tracker  
 OCT Receiving Side of the Icom IC-7000  
 NOV Ramsey Aircraft Monitor  
 DEC WinRADIO's G305i Wide Coverage Radio

**GETTING STARTED**

JAN QSL Mania: The Radio Hobbyist's Obsession  
 FEB Deaf PRO-95; DX on the AM Band; A Shortened Beverage; An All-Purpose All-Band HF Antenna  
 MAR Slow Scan TV (SSTV)

APR Searching for the Perfect Antenna?  
 MAY The Readers Comment - Satellite TV Combo, Getting Started w/SW Radio, Help for Grove Tunerless Antenna, Stateside QSL Depository  
 JUN Entry Level Ham Ticket: How easy to we have it?  
 JUL Radio Repair: Who Ya Gonna Call?  
 AUG Take a Radio Vacation  
 SEP Readers' Choice: Buying a SW Radio, Terk's AM Advantage, Repairing Broken Antennas  
 OCT Stalking Those Elusive Project Parts  
 NOV The Unintentional Philatelist (stamp collecting)  
 DEC The Readers Write: 10 Meter Challenge; MPEGII FTA; FM Translators

**GLOBAL FORUM**

JAN Vox Cristiana strong signal; B-05 schedule online resources; Condig list URL correction  
 FEB US SW Stations play "Musical Frequencies"; Upcoming Conferences; historical DX URL  
 MAR Radio Republica Becomes a Major Clandestine Broadcaster  
 APR Major cuts at VOA; Libyan clannie resumes SW; Online loggings databases  
 MAY DRM Forges Ahead  
 JUN BBC Cuts More English and Spanish  
 JUL Relay Exchanges Between Greece and USA Abruptly Terminate  
 AUG Push for DRM on 25 MHz; 12th Nat'l Mexican DX Meeting  
 SEP Chinese Invade 20 Meters  
 OCT The Clock is Ticking for Radio Japan; Armenia; Uzbekistan  
 NOV DX Meeting in Peru; Earthview  
 DEC Daylight Savings Time Expands in 2007

**LETTERS**

JAN Second MT Excellence Award; Corrections; Mt St Helens; Used Equip URL  
 FEB Interoperability Issues: New Orleans and Finger-Pointing, Not all APCO Systems created equal. 700 MHz for the Birds  
 MAR Antenna experimentation; BBC Guide questions; experiences with repeaters; WOKIE satellite shack and radio station  
 APR Two Views on the FCC; Bringing SWLs into the 'New World'  
 MAY MT Sparks Memories; Old School versus New School  
 JUNE Welcome New Columnist; Space Shuttle Blues; Space-saving Appliance Radio; Reader Recommended Websites; Eton 350DL  
 JULY Winner of SBS-1 and runners-up  
 AUG Job well done (Figliozzi final column); Radio Fun; Corrections;

Teenage Amateur; Flex Antenna; Wrong conclusion drawn to RF interference to aviation; Air Antics; SBS-1 in Action  
 SEP Utility World Blog, Call RadioLabs for Super-909, 996 Review Missing Text, The Digital Effect (WLW), NTIA BPL report, QSL Expert  
 OCT "Spooky" October; Radio and TV Museum Thanks MT; Things I Like...; Tip for R20 Owners; New MT Blog; Information Please  
 NOV Thanks (Prog Spotlight column); A Capitol Mistake (Niagara Falls); Eton E5 Feedback  
 DEC Monitoring Times Celebrates 25 Years; Bonus Pages for MT Readers

**MILCOM**

JAN New Year, New Frequencies: US Coast Guard move; new 380-400 MHz systems (Ft Benning, Seattle area, Los Angeles area; Ft Meade); Denver and Kansas City ARTCCs  
 FEB Land Mobile Radio News: new DoD LMR systems; Navy Region Northwest system; J-NCR Phase II contract; Westover ARB update; Milair Freq updates  
 MAR Flight Demonstration Groups: Schedules and Recommended Equipment  
 APR "I don't live near a military base.." (N-Cent Fla Logs); Albuquerque ARTCC  
 MAY Hurricane Hunting on HF - US Coast Guard HF communications; Salt Lake City ARTCC  
 JUN The Military Weather Channel (Pilot to Metro Service)  
 JUL Monitoring the Forth Worth Military; NAS/JRB. DoD Frequency Changes; Atlanta Fifth Runway; EAM LF Broadcast  
 AUG DoD Trunk Frequencies Discovered; Trunk System at the Point; Westover ARB Update; Keflavik Closed; Seattle/Oakland ARTCCs  
 SEP US Military Satellites - An Overview (Super Secret Spy Satellite Programs; American Military Satellite Constellations)  
 OCT Monitoring Satellites 101: Easiest sats to hear; West Point Updates; More Milair Feq Changes; HF Civil Air Patrol Freqs; USCG Air-Ground Freqs  
 NOV MilSatcom - The Early Days: TACSATCOM, LES-8/9, New CAP Freqs Posted? Search and Rescue, Tyndall AFB Freqs, Major Military Comm Bands  
 DEC The Navy MARISAT Satellite System; Air Force SATCOM; Army Aviation Comms; Tri Service MARS HF ALE Net; DoD FLIP foreign pubs removed

**MT HELP DESK**

JAN NC VIPER statewide system; digital HF modes; Stark County OH public safety info

FEB QSLing overseas ute stations; freqs for Arnold Engineering Development Center; Alinco D-X7 vs Icom R5; freqs for Misawa AB, Japan; who will be on 700 MHz band?

MAR APCO 25: setting the record straight. Series of questions re Uniden BR-330T and BCD-396T scanner operation. Recommended handheld for airshows; How to program EDACS LCN numbers (Hickory NC system)

APR More on 700 MHz band allocations; Status on "Morse code" proceeding; 1711-1799 band allocations

MAY EAMs on 11175; Canadian Air Traffic Control and other aero HF

JUN Trunking for Carroll Co MD; sources for MWARA, Volmet, ute freqs; mobile ant for mil-air; freq round-offs; freq for wireless mouse; mobile unit ID on EDACS

JUL USAF KAWN fax gone?; Do I need a digital scanner? What does APCO25 encoding sound like? Clarification on Calif. scanning law; Gulf Co Fla system changes

AUG Where to find local airline frequencies; where to find HF airline company frequencies

SEP Looking for new scanner; How to ID foreign stations? Who is Fastball? What is Skyking? When are aero comms on HF SSB?

OCT STANAG "Noise" on HF; Manual and EPROMS for M8000 decoder? Beacon DGPS vs WAAS DGPS; EAMs and tactical callsigns; Help with SIPRnet IDs; Do AFN and VOA relay stations have callsigns?

NOV Can I scan York Co PA M/A-COM system with BCD296T? Using a Wavecom receiver to monitor Inmarsat; How QSL bureau can find US SWLs to deliver ham QSLs; How to DX DGPS; Future of 380-400 aero band

DEC Spanish on SATCOM freq? what scanners are affected by rebanding? USB strong signal on 10.050 MHz?

**MT REVIEW**

JAN Hot and Cold Radio Appliances; AOR LA380 Active Lop Antenna

FEB Sangean WR-2 AM/FM/RDS Receiver; FRS or MURS - Hype or Hot Performance?

MAR Comet CHA-250B Broadband Vertical Antenna

APR Digital Radio Equipment: Kenwood EZ500 Mobile HD Radio; Winegard 10 Element

Yagi; Winegard Sharpshooter TV-FM HD Antenna

MAY Heil Clear Speech Speaker

JUN SWLing on the Road with Sony's XR-CA660X

JUL Icom IC-PCR1500 & R1500

AUG Comparing the PCR1000 to the PCR1500/PCR2500

SEP MFJ's 932 Mini Loop Tuner: SWL & Ham Antenna Options for Tight Spaces

OCT Build the Hidden Flex-Tenna for Wide-Frequency-Coverage Receivers; Flex-Tenna Follow-up; 97-cent Hand-held Pouch

NOV The Tecsun R-919/Grundig Mini 300PE

DEC MT's Digital TV/Big Screen Buying Guide

**ON THE BENCH**

JAN Take Your Scanner Recording to the Next Level - the iRiver H4300 MP3 Recorders

FEB Scanner Switch for multiple scanners on one speaker

MAR Build the FlexTenna for Wideband Reception

APR Digital TV - Truth & Myths

MAY "Law and Order" on 2 Meters

JUN Cordless Phones - Buyer Beware

JUL Modifying the Uniden BC796D Scanner for Discriminator Audio Output

AUG (no column)

SEP The Magic of Radio (rediscovering the magic)

OCT Radio Direction Finding with the Adcock Goniometer Project (continuation of Spy feature) A Compact Adcock Array

NOV You Have What it Takes to Control Your R8B (using Windows to write a program)

DEC Antique Telephones: Durable, Cheap & Still Useful!

**ON THE HAM BANDS**

JAN Don't Just Sit There, Build Something!

FEB Political Power; Antenna Antics; EQSL.org; Logbook of the World; DX Bureaus; hands-free hamming

MAR You can Never Have Too Many Keys

APR Five New Radio Reads from ARRL

MAY If this is May, it must be Dayton; Four days in May; Ham radio headsets; What's so special about Special Events?; And May leads into June; 2005 ARRL Periodicals on CD

JUN Before It's Too Late! (record-keeping and inventory)

JUL Show Your Stuff (QSLs on display)

AUG Amateur Radio Synergy: geo-caching; APRS; ATV operation; dual band vs two radios; mobile or handheld?

SEP The New Tech Test and Learning Linux

OCT Another TechGuide (ARRL Ham Radio License Manual) and hams at HOPE6 (Hackers on Planet Earth)

NOV Great Radio in Grubby Times (things to do during sunspot minimum)

DEC I've Been a VERY Good Boy! (the ideal station)

**OUTER LIMITS**

JAN Pirate radio resources; British pirate crackdown; Dutch pirate Alfa Lima Intl

FEB Pirate Activity Still High; Shoech's QSL List; Black Arrow Radio; West Africa Democracy Radio; Providence Maildrop Closes

MAR Fla Hams Oppose Anti-Pirate Felony Law.

APR Howard Stern Hit by Pirate Relays; Radio Insurgente; Oldest Pirate QSL? Airborne Radio Marti; New FRW Editors

MAY Digital SSTV on Pirate Band - Unusual Pirate Bust, Oldest Pirate QSL?

JUN (repeat of May in print; pdf has correct column) WRMI and Pirate Cause Interference; Cumbre DX Adds Pirates; Insurgente Mexican Logs; Afghanistan FM Radio Battle

JUL Pirate Radio Humor for DXers; Radio Insurgente Transmitter? Oldest QSL

AUG Court Rules Against Brattleboro; Pirate Hijack WBAB? KCBM Op Obit

SEP Elkhorn Pirate Maildrop Closes; Radio Insurgente Times; Oldest Pirate QSL

OCT FM Pirate Charges with Homicide in Florida; New Pirate Blog; Oldest Pirate QSL

NOV FCC Upholds Gibson Fine; Hezbollah TV provider arrested; Laser Hot Hits Busted; FM pirate Britcher fined; Clandestine video; new clandestine podcast; Part 15 legal BCer; Old Pirate QSLs

DEC Global Crisis Watch; Old Pirate QSLs; Radio Cuba Libre Returns; Jo Walsh a Ham

**PROGRAMMING SPOTLIGHT**

JAN Compleat Guide to the BBC in North America

FEB Multi-platform broadcasts to North America

MAR Which Station; *Which Platform*; Which Time? (more listings)

APR From Under the Southern Cross - Radio Australia schedules

MAY The Voice of the Pacific - RNZI (duplicate of May column)

JUN Compleat Summer Guide to BBC in North America

AUG Parting Thoughts; Music of the World; A Sirius Issue; What of the Future? My personal favorites

SEP A Trip to the Balkans

OCT Learning the Language  
(language lessons)  
NOV Broadcasting from China -  
Blurred distinctions (China and  
Taiwan)  
DEC Special Holiday Programming:  
Lead-up to Christmas, Christmas  
Eve, Christmas Day, Hanukkah,  
Orthodox Christmas and New  
Year

#### QSL REPORT

JAN Electronic QLSing grows  
FEB Postal Rate Increase  
MAR URBONO Stations QSL  
APR New QSLing Opportunities  
MAY Logbook of the World  
JUN Summertime Tentative Reporting  
JUL Scorcher QSLing 2006  
AUG Follow-Up Reporting  
SEP Sept Means Better DX  
Conditions  
OCT Radio St Helena to return to the  
airwaves!  
NOV F/D, N/D, P/D  
DEC MT's QSL Holiday Special

#### RADIO RESTORATIONS

JAN More on the HQ-120; Receiver  
Evolution - the "Three Dialer"  
Era, First Plug-In Sets  
FEB HQ120 continuing restoration;  
more on receiver evolution  
MAR The HQ-120 Comes to Life  
APR A.C.-D.C. "Depression Radios"  
MAY Restoring a Depression Era  
Silvertone  
JUN Taking on the 1933 Silvertone  
JUL The "Little Fellow" Finds its Voice  
AUG More on "Little Fellow"  
Restoration  
SEP Concluding the Little Fellow  
Restorations; Radio for the  
Millions  
OCT We Take on a Zenith Trans-  
Oceanic: The "Universal  
Portable" for 1940, The 1942  
Universal Portable and Trans-  
Oceanic clipper; our B600 Project  
Set  
NOV Sizing Up Our Trans-Oceanic  
(dealing with the mold, front  
panel, antennas, inside the  
cabinet); From the Readers  
DEC Those Monumental Rider's  
Manuals: The Perpetual Trouble  
Shooters Manual, Useful Rider's  
Lore, Roadmaps to Rider's, Other  
Sources of Manufacture's Data

#### SCANNING REPORT

JAN Johnson County IN; Knox County  
IN; Computer Interface Scanning;  
Florida Scanner Law  
FEB Notification Networks; Hampton  
VA; Philadelphia PA and Pro-96  
MAR Recommended scanners for  
listening in Freehold, NJ;  
Freehold freqs; Cheboygan  
County, MI; Genesee County MI;  
Carbon County, PA; Baltimore-  
Wash Airport; Cumberland  
County, PA

APR Illinois - Franklin Co, STARCOM  
21 statewide system; Nevada -  
Las Vegas, Hwy Patrol  
MAY New digital systems and Reader  
Feedback: York Co PA,  
Cumberland Co PA, Homer AK;  
Freehold Tsp NJ follow-up,  
Genesee Co MI follow-up; Civil  
Air Patrol freqs sensitive info  
JUN Listening Beyond Line of Sight;  
Michigan State Police, MI  
Emergency Mgt; Oklahoma HP;  
Uniden Firmware Update  
JUL Tangled Web of Interoperability:  
Cape May Co NJ; Peoria Co IL;  
Colorado; Federal Report Cards.  
Alameda Co CA  
AUG Legality, Technology, and  
Interoperability. Michigan  
Scanner Law, Michigan radios,  
Scanner Listener in Texas,  
Buchanan County MO, NPSPAC  
Interop, VHF and UHF Interop,  
Wisconsin, Emergency Radio  
Nets (DCERN & National SOS)  
SEP Scanning as a Group Effort;  
Southeast Texas; Programming  
Scanners; Birds of a Feather  
(yahoo groups); Coordinated  
Discovery (internet); Washington  
County, MD  
OCT Halloween Trick and Treat:  
Florida Statwide Law  
Enforcement Radio System  
(SLERS) operational; NATSAR  
Frequency; EMWIN weather  
frequencies; Easier to read  
Scanner Manuals  
NOV And Three Chose MA-COM:  
New York (State, Chautauqua Co,  
Wedstchester Co), Oakland  
County MI (3rd state is PA not  
covered here); Radio Shack  
PRO-96 Upgrade  
DEC Mixed Bag from Readers -  
Lebanon County PA; Dearborn  
Hts MI; McMinnville OR; Studio  
Transmitter Links; Somerset Co  
MD

#### UTILITY WORLD

JAN Roma Radio discontinues Morse  
service; Israeli Navy dropping  
Morse; NATO converting to  
digital; Russian Beacon changes  
FEB CBV Playa Ancha Radio, Chile;  
DX Toolbox; New archive for US  
Inland Marine Radio  
MAR Cuban "Numbers": A Pattern  
Emerges. More on CBV, Playa  
Ancha Radio  
APR E22 Revealed as All India Radio;  
Cuba Again; HF DL Frequency  
Updating  
MAY Nazi Messages Decoded;  
Teleprinting in Chinese  
JUN Radio Z-Signals; WUN gone  
JUL A Hobby in Transition: WUN is  
Dead, Long Live UDXF; Where's  
This Hobby Going? Call for Utility  
Logs  
AUG Will the Internet Replace  
Utilities? Numbers by Internet

Phone?! Will HF DL Go  
Encrypted? Navtex DX Record?  
SEP DXing Differential GPS Beacons  
OCT The Spooks of October: Num-  
bers and the News (Cuba, Israel)  
NOV Telephone "Numbers" Mystery  
Solved!  
DEC Updated Cuban Numbers  
Schedule; More on Differential  
GPS

#### WHAT'S NEW

##### Books, CDs

ARRL ARES Field Manual	Feb
ARRL Basic Radio	Feb
ARRL DXCC List	Jul
ARRL Emergency Power for Radio Communications	May
ARRL More QRP Power	Jul
ARRL Radio Amateur's Handbook	Jan
ARRL Repeater Directory	Jul
Crystal Clear	Dec
Discover DXing!	Apr
Domestic Broadcast Survey 8	Aug
FM Atlas	Feb
Getting Started w/Ham Radio	Dec
Klingenfuss SW References	Mar
Monitoring Monthly	Apr
NRC AM Radio Log	Nov
NRC Antenna Pattern Book	May
Passport 2006	Jan
Pocket Idiot's Guide to Sat Radio	Dec
QSL-Card Calendar for 2007	Oct
Radiouser	Apr
Radio Sound Effects	Jun
Six Meters - The Magic Band	Jan
SW Station Identifications CD	Nov
Tower Site 207 Calendar	Nov
World Radio TV Handbook 2006	Mar

##### Business news, Software

AM broadcast map	Sep
Audio: The Movie	Sep
Ham radiocast podcast	Jun
Tempting (but illegal) Products	Oct

##### Equipment

Anderson Genderless Connectors	Jun
AOR AR-Alpha Comm Receiver	Sep
Grove FlexTenna	Mar
DD-103 Universal Digital Dial	Oct
EFM coaxial lightning protector	Apr
Elecraft KXB3080 option for KX1	May
Ice Zapper sat dish heater	Feb
Icom IC-PCR1500 coming	Mar
Icom IC-PCR2500	Jul
MFJ 6-Band Rotatable Mini-Dipole	Aug
MFJ DC-500 MHz Dummy Load	Oct
MFJ Solar-Powered Atomic Clock	Dec
Morse Express Christmas Key	Nov
Palm Radio remote keyer	Sep
Uniden BCT15 scanner	Apr
WinRadio Marine Receiver	Apr
WinRadio VHF/UHF Scanner	Aug
Wrist Crystal Set Kit	Dec

# Monitoring Times 2007 Index

## FEATURES (in monthly order by topic)

### Broadcast

Domestic SW BC in Russia JAN  
 DXing from Bermuda FEB  
 193rd Strategic Ops Wing MAR  
 Radio Tourist in Guyana AUG  
 WRNO Worldwide SW Radio AUG  
 MW DXpedition to Easter Island SEP  
 Shortwave Roundup: Progs on HF SEP  
 Bizarre World of Pirate Radio OCT  
 Clandestine Radio NOV  
 Radio Voice of the People NOV

### Nostalgia/Human Interest

A Visit w/Larry Van Horn JAN  
 Radioslayton & Radio Slang JAN  
 Aviation Radio in Labrador FEB  
 A Life in Radio - Clem Small MAR  
 Winter SWL Festival 20 yrs MAR  
 Future of Radio - Helms interview APR  
 FM Radio in 1950s JUN  
 Interview - Irwin Gonshak JUN  
 Radio on the Road JUN  
 VOA's Dixon Relay Station JUN  
 Comms with Amelia Earhart JUL  
 Happy Birthday, Sputnik! OCT  
 A Unique Radio Friendship (TI4NRH  
 and Zenith) DEC  
 Crosley Radio DEC  
 Travelogue: An Irish Museum DEC

### Scanning/VHF/UHF:

Scanning Corpus Christi JAN  
 Andrews Air Show: Best of Best MAR  
 Annual MT Air Show Guide MAR  
 NY/NJ Big Three Airports APR  
 Public Safety Interoperability 2007 JUL  
 What Happened to Rebanding? JUL  
 VBR Prescott CG Radio OCT  
 Scanning Alaska NOV

### Technical

Radio Freq Identification (RFID) JAN  
 Get Outta Town! FEB  
 Propagation Outlook - Summer APR  
 Electronics Industry Goes Green MAY  
 Putting it All Together: Engineering/  
 Audience Research at TWR AUG  
 Propagation Outlook - Winter OCT  
 TWR's Poster Antenna Project NOV

### Utility/Ham Radio

ZBR Bermuda Harbor Radio FEB  
 New Heights for hams (balloons) MAY  
 Storm Chasing w/ham radio MAY  
 World of 10 Meter Beacons MAY  
 Military Monitoring - FL Panhandle JUN  
 The ARRL's "Big Project" (kids) SEP

### AMERICAN BANDSCAN (even months)

FEB News Stations and "Criticality":  
 new stations on the air.  
 IBOV/HD/Digital Radio News; Big  
 Sky DX; Golden State DX; New  
 Brunswick DX; More from Asia;  
 Stations Sold  
 APR A Radio Mystery (nationwide  
 signal on 1610 kHz);

IBOC/HD/Other Digital Radio  
 News; Digital TV News; New  
 Brunswick DX; Maine DX & new  
 stations

JUN March 23rd: The Day the DX  
 Died? HD DX; FM translators of  
 AM Stations; New SanFran  
 station; New FM&TV stations  
 AUG HD Radio Rules Released. Weird  
 Frequencies (Guam); Canadian  
 AM News; Retro Radio; Radio  
 Station Starts Forest Fire; DX  
 from Easter Island; Stations  
 Changes  
 OCT Cheaters, or not? (High-power  
 BCing outside hours); Breaking  
 News (IBOC rules published);  
 Mysterious test tones; Bits &  
 Pieces; AM Bandscan Station  
 Report  
 DEC Everything Old is New Again (a  
 look back at AM radio); Nighttime  
 IBOC; FM relays of AM; Station  
 Report

### ANTENNA TOPICS

JAN Can You Describe the Antenna  
 You Want?  
 FEB Popular and Useful HF Antennas  
 MAR An Abbreviated Antenna  
 Dictionary  
 APR Resonant, Incidentally-Resonant,  
 and Non-Resonant Antennas  
 MAY A Pedestrian-Mobile Antenna  
 JUN Should I be Using an Antenna  
 Tuner?  
 JUL Tips on Increasing Handheld  
 Performance  
 AUG Shocking Experiences: Thoughts  
 on antenna safety  
 SEP A Simple, Wide-band, Field-  
 strength Meter  
 OCT Antenna Designs for VHF, UHF  
 and Microwave  
 NOV Useful Indoor Antennas  
 DEC Diversity Reception, Smart  
 Antennas, and Reliable  
 Communications; Let's make a  
 "poor man's smart antenna  
 system"

### ASK BOB

JAN How to improve SW antenna  
 reception; Using SW dipoles;  
 multicoupler vs T-connector; TV  
 preamp for scanners; vegetation  
 on power poles; any medical  
 benefits to Tesla coil?  
 FEB Terminating unused ports in  
 multicoupler; advantages of  
 battery-powered SW operations;  
 RG-6/U vs RG-8/U; dB gain for  
 Super Select-A-Tenna vs original  
 model; puzzling reception with  
 active antenna; coupler needed  
 between flat-two-wire and coax?  
 MAR Understanding house current;  
 understanding P-25 and trunking;  
 push/push buttons; gain for

APR Length of dipole for AM/SW;  
 reason for coil-wrapped center  
 pole in sat dishes; using cellular  
 antenna for scanner; effect of  
 rain on LF signals; 10 amp  
 battery charger as power supply;  
 legality of reading voice mail on  
 opponent's cellular phone;  
 multiband radio fluttering noise  
 while tuning  
 MAY Using discone without top  
 element? Reception distance on  
 "Close Call"; name for flexible pin  
 plug?; unknown RFI spaced  
 every 30 kHz; using RR trestle as  
 SW antenna support?; comparing  
 2 Yagis; how to use 1 mobile  
 antenna for scanner and  
 transceiver; digital TV reception  
 in fringe area  
 JUN Hooking up AM antenna;  
 Disabling RFID tags; Does  
 Canadian CG QSL? How to QSL  
 Russian stations; Does SSB  
 travel further than full-carrier  
 AM?; Do any CB HTs have  
 SSB?; Optimal wire length for HF  
 antenna  
 JUL Satellite coax okay for scanning?  
 Difference between RG-6/U,  
 RG6, RF8/X? SW beginner's  
 questions. Would digital recorder  
 overcome tape hiss? Antenna  
 coupler, resistance and  
 selectivity. How does GPS know  
 best hunting and fishing times?  
 AUG Why make scanners w/cellular  
 reception but no ability to  
 decode? TV antenna okay for  
 scanner antenna? Can cellphone  
 be used for emergencies without  
 buying a plan? What is adequate  
 ground? Active antenna okay for  
 AM DX with nearby 2.4 GHz  
 uplink? How to remove hum  
 heard at night using outdoor wire  
 antennas?  
 SEP IDing interference; replacement  
 antennas for multiband; illegal to  
 view wireless cameras?  
 fluorescent light bulbs and  
 interference; antenna swap  
 surprises; longer-lasting AA  
 batteries; apartment dwelling and  
 electrical noise on HF  
 OCT QRN from cell towers on  
 scanner; Is it legal to rebroadcast  
 broadcasts or communications  
 on the internet? VHF overload  
 from local airport; Is a preamp  
 advisable for better scanner  
 reception? Will narrowbanding  
 affect GMRS?; Is preselector  
 useful for HF/LF? Could  
 interference be causing 2.4 GHz  
 dropouts?  
 NOV More on fluorescent bulbs; Why  
 doesn't lightning melt the rod?  
 Connecting antennas together;

Why are cellular freqs still blocked? Is home-generated power safe for computers/radios? Which indoor SW antennas are best?

DEC More on apartment-dweller antennas. Which coax is best? How to ground equipment from 3rd floor? How to purchase IRCs? Does DRM have a future? Does stored gasoline go bad after a few months? Recommended scanner/antenna for distant NOAA Wx stations? Is R8500 legal for consumer use in US?

### BEGINNER'S CORNER

JAN Preparing for the "Good Ol' Days" (upcoming solar cycle); More Parts Sources

FEB DXing Latin American TV & Radio via Satellite

MAR Exercise to Better Health with your Radio Hobby - biking

APR Stormy Weather (lightning protection); Reader Q&As (SWL QSL requests, adding inputs to digital TV receiver, over-air reception of network affiliates); Tracking Those Elusive IRCs

MAY How to Start Your Own International SW Station

JUN Do-It-Yourself Satellite Radio

JUL DIY Sat Radio: Taking it to the Limit (partial list of radio stations)

AUG Buying a Dedicated Weather Radio

SEP General Class: Welcome to HF

OCT The New Ham's HF Station Check List

NOV Yard Work and House Work: Take Your Radio Hobby Along

DEC Gift Ideas for your Favorite Radio Hobbyist (You!)

### BELOW 500 kHz

JAN Tips from Kevin for 2007; Tips and Resources; What I Use; Loggings

FEB Prime Time: Chasing Euro-Broadcasters; Beacons; Lowfers; Going Even Lower

MAR New England Beacons: Locating Your Catch; News Flashes

APR News and Updates: ZM on 187.5; Arizona logs; VY1JA beacon; Sky & Telescope article on VLF; Marconi bust safe and sound

MAY DX Destinations: Location, checklist, communications, the big day; Hamfest season

JUN Warm Weather Tips. 500 kHz Experiment News.

JUL Housekeeping Tasks (some ways to help the author); mailbag

AUG LF Receiving Antennas (random wire, ferrite loops); mailbag

SEP LF Receiving Antennas (Loops); Loggings

OCT Antenna Wrap-Up: Active Antennas; Pierre SD Beacon? Loggings

NOV Your FAQs Answered: Best antenna or LF? What is WWVB?

What is lowest freq? How can I QSL? Warbling tones? Why Canadian beacons start with Y?

DEC "Our" Season is Here! Chasing Euro-Broadcasters; Beacons; Lowfers; Going Even Lower.

### BOATS, PLANES, and TRAINS

JAN BOATS: Winter, Waves, and Wireless - Antenna Work and Autumn Reception; Unexpected Surprises; Caribbean Freqs; Rescue 21; Marine Radio Historical Society

FEB PLANES: VHF Aircraft Listening Potpourri. Magic (MAJIC?) in North Carolina; Quest for a Better Receiver; Better Coax, More Interference; Fish Finder; Aero Charts

MAR TRAINS: Hi-Rails, Track Permits and More Terminology; Altamont Press Update; O.S. Reports

APR BOATS: Intrigue and Inversions; HF Listening; Historical Radio

MAY PLANES: Airport Information for Listeners: AirNav, Airport/Facility Directory. Airport Identifiers, Airport Communications, ATIS Broadcasts, AWOS and ASOS, Runway Numbering; Published Procedures, Pilot/Controller Glossary, FlightAware, MT Anthologies

JUN TRAINS: Train Monitor's Paradise - The Powder River Basin

JUL BOATS: The Changing World of Marine Radio; Manitoba and Northern Ontario; VMS; HF info; EPIRBS; Reader Reports; Kingston Area

AUG PLANES: What is "Airspace"?

SEP TRAINS: Denver, the Rockies, and Repeaters - Golden as a base, Moffat Tunnel. Radio Discipline. Same words, different meaning.

OCT BOATS: Winter DX and Column Research; Annual Rush to the Sea; HF BCs across the world: Canada CG; Australia

NOV PLANES: Listening to Small Airports

DEC TRAINS: Traveling with a Scanner

### COMMUNICATIONS

JAN AMATEUR RADIO: Red Cross Volunteers; Natl Traffic System; Public Svc Activity Report; Ham-band song. BROADCASTING: BCers support appeal against BPL; Kenya wants equal time; TDP Radio; DRM Yahoo Group; KCRW primary audience is online. NEW TECH: Cloning RFID easy; Wis bans forcible RFID implantation

FEB GOV & MILITARY: FCC Drops Morse Testing; ARRL Appeal BPL; April No Joke to CHU; Emergency Beacons Prohibited; USAF to Replace PLBs; Military LMR system vs garage doors;

Congress approves interop funds

BROADCASTING: streaming audio; new VOA director.

PHONES: Study shows cellular phones safe; Blame the sun for dropped calls.

MAR NEWS: FCC and FAA Tower Rulings; HCJB is Changing; Free Ham Podclass. MT HOME FRONT: Antique Radios Auctioned; What's the Frequency, Kenneth?; MT Blog hits big-time; Electronic Tutorials

APR Sat blown into smithereens; Space Control Center Moves; Cycle 24, Boon or Bane?; Globalstar problems; Hubble loses camera

MAY BROADCASTING: VOA English slashed; Webcasting in trouble; Payola settlement; FCC approves IBOC rules; Zimbabwe confiscates SW radios; TV Marti exec pleads guilty; San Fran Liberation Radio appeals. MISC: Spies sentenced; compensation to consumers? AMATEUR: Herman Munster's Ham QSO; ham radio suspended in Iraq; Dayton Hamvention; European DX Council

JUN FCC and BROADCASTING: Digital Deadlines: cellphones, television, FAA; Let the Bidding Begin; One-week LPFM Filing Window; CARP vs webcasters. AMATEUR RADIO: ham repeaters interfere with Mil radar; Background check update. MISC: DX Tuners shuts down; A Wok on the Wild Side; Don't Bee-lieve it! France selects DRM

JUL SCANNING: GAO Report on Interop; They Hear it on the Scanner; Hall Co GA encryption. MISC: Canadian "Spy" quarter fiasco; David Rosenthal obit.

AUG DISASTER PREP: Amateur Radio; 2007 Atlantic Hurricane Season; QuikSCAT; Emergency Broadcasting; FCC Strengthens EAS; FCC Petitioned to Allow Jamming.

SEP False Alarm (EAS); Hams Part of Emergency Planning in Barstow; Federal Court Denies Webcaster Appeal; AFN Broadcast Detachment Transfers Command; Bashkirian company blows up Russian towers; Build a Better Battery contest. Lady Bird Radio Owner, Jean Marius Novi

OCT WB4ENI, Prime Time Shortwave FCC Reconfigures 700 MHz Spectrum; Broadband in the "White Spaces"; DirecTV Adopts BPL; Pirate Reunion

NOV FCC: Digital TV deadline; Rebanding deadlines; automated disaster information reporting system. PUBLIC SAFETY: CAD interoperability; CDE; Air Traffic Controllers protest radio ban; Weather Radios recalled.

BROADCASTING: Aggressive

marketing in Russian TV; Cuban Radio 85th anniversary; High Adventure Ministries founder dies; SaveNetRadio; Internet DJs must have license to play...

DEC Radio St Helena; Bloated BBC?; BBC Sputnik Challenge; New Leak Alerts Al Qaeda; Cell Phone Company Buys Surveillance Band; Memphis ARTCC Goes Black; California Fires; Dr Richard Wood Dies

#### COMPUTERS & RADIO

JAN Monitor Earth Orbiting Satellites - The Easy Way. (Heavens-Above and other web resources). Digital Hotspotter

FEB Staying Up To Date: updates on previously-reviewed programs (Spectrum Lab, RxPlus, SWLog, RadioMax, RF Space Spectra-vue, FlexRadio PowerSDR, MixW, HamScope, RadioControl, RecAll, ACARSD, ACARS Log Analyzer, DxMonitor, PC-HFDL, Omni-Rig, YPLog)

MAR SDR-14's Real Time Spectrum Recording

APR 91 Modes - Multipsk

MAY Mac Radio Programs (CocoaModem, MultiMode, DXToolBox, SignalScope, Tone Generator X)

JUN 2007 Computer Landscape - Hype, Confusion, & Reality

JUL Radio Jupiter Pro 3

AUG Not your father's satellite tracking program - Nova for Windows

SEP PC Digital Audio Recorder Programs (RecAll Pro, Scancorder, Sound Recorder, Snooper, Audacity)

OCT Windows Vista Versus Radio Programs; Mini USB 1.1 Docking Station; Programs tested (Icom IC-PCR1000 V2.2, RadioMax V5.17, Talk PCR V2.4F2, RxPlus V1.94, YPLog V4.48, Rig Resident V1.1, Ham Radio Deluxe V3.4 b1254, Radio Raft V3.21, Icom OKA V1.0, HamPort V1.0 Beta, DX Monitor V1.20)

NOV Full Spectrum Logging (DXtreme Software Reception Log); Enigma update; thoughts on information vs knowledge

DEC Lynovation's Wireless Bluetooth Radio Interfaces (BlueLync)

#### DIGITAL DIGEST

JAN Over the Horizon Radar and ALE Networks: How? Where? What? Italian Finance Guard/Customs ALE Net; Uzbek Army ALE Net

FEB Nigerian Oil on ALE; Mexican Navy; Yacht Email Continues to Develop

MAR Mexican Gulf and Brazilian Oil - PETROBRAS and PEMEX Oil; Nigerian Oil Update; STANAG 4529 On-Air

APR RFSM2400 MIL-188-110A Decoder Software [note: the incorrect illustration ran with this

article; correct one in May "Letters"], Czech Diplomatic Service; Russians on 16023; Algerian Diplo Service; Moroccan ALE Networks

MAY Digital Alligators on HF? Link-11; French Forces 184.6bd ARQ-E; Algerian Construction LE net; Mystery ALE networks

JUN Venezuelan Navy Network; New Missionary Net?

JUL Hoka Code 300-32; Siemens CHP200

AUG Pakistani Navy and Virginia Guard ALE; Hoka Code300-32, Part II

SEP Digital Utility Myths - Where Did all the RTTY Go? XSS Mystery ALE Network Identified; Some Old Modes Do Come to Life!

OCT High Speed Digital Communications; 110A Decoders; 110A Basics; Frequencies (US Coast Guard, Venezuelan Navy, Czech Diplo, Spanish Navy, Mexican Navy)

NOV The Codan 16 Tone Modem; The Codan Chirp; Codan Networks: Egyptian Diplomatic, Moroccan MOI Network; Greek Network

DEC What Do I Need for Digital Decoding? Brazilian SIVAM on the Air

#### THE FED FILES (odd months)

JAN Projects, Close-Ups, and a Contest: MT 25th anniversary drawing; Bureau of Prisons Frequency Project; Justice Dept 25 Cities Project; Postal Inspectors; Immigration and Customs Enforcement (ICE); Listener Report from Oklahoma City

MAR Where is the IRS? Nat Park Service Moving to Digital; Dept of Energy Follow-up; Fed Files Myths and Legends (Seneca)

MAY A Super Week in Miami; Bureau of Prisons Project On-Line; Federal Scanning in Puerto Rico; Myths and Legends (Secret Service "Suit" radios)

JUL On the Campaign Trail with the Secret Service: VHF and UHF allocations; WHCA allocations. LA Bureau of Prisons update.

SEP Washington DC - Federal Scanning Wonderland: US Capitol Police, National Parks Service, Justice Dept, Dept of Homeland Security, US Secret Service, Misc and Unknown. Federal Trunk systems. Encryption. Fed Files Myths and Legends (Feds can operate wherever they want).

OCT Fed Files FAQs: Who's on this frequency? What scanner do I need? Where can I get fed freqs? Buzzes and clicks? Where did they go? How can I pick up wireless mics? Hearing a stake-out. Arizona Border Scanning.

#### FIRST LOOK

FEB Kaito KA1102 vs Eton S30DL

MAR Kaito KA1102 vs Sangean ATS-505P

APR Kaito 1103

MAY Uniden BC-RH96 Remote Head

JUN Alinco DJ-X30T Scanner

Boston Acoustics Receptor HD radio; Radio Shack's Accurian HD radio

JUL Sangean HDT-1, the Component Approach

AUG Polk Audio's I-Sonic AM/FM/HD/XM/CD/DVD and MP3 Player

SEP Cambridge SoundWorks 820HD AM/FM HD Radio Receiver

OCT The Radiosophy HD-100 Philosophy

NOV GRE PSR-500 Raises the Bar!

DEC Sony's XDR-S3HD Table-Top HD Radio

#### GLOBAL FORUM

JAN Clearing Frequencies in 2007 (Radio Slovakia, Radio Prague, YLE Radio Finland, RUV Iceland, RFI France, RAI Italy)

FEB Radio Canada (Inter?) National Remakes Itself

MAR Weeks of DST Confusion; Latin America SW Radio Lists; 2006 Clandestine Survey

APR India Commits to Domestic DRM on Shortwave

MAY Missionaries on the March in Micronesia ... and Central African Republic

JUN Where is Radio Republica? A-07 Freq Schedules

JUL WHRI Usurps Canadian Time Signal CHU

AUG Radio Budapest, Hungary, Closed Down

SEP Italy Quitting Shortwave? Austria Stays; Finland Could Come Back

OCT Pulse Over-the-Horizon Radar Interference

NOV Monitoring 190 kHz of spectrum at a Time

DEC DRM Frequency Management

#### LETTERS

JAN More Kudos; Ramsey Aircraft Monitor; Controlling the R8B; Beacon Hunting; New MT Readers Website

FEB Congratulations, MT! More on "Growing Up with Radio"; Corrections (Niagara Falls, Studio Transmitter Links)

MAR And the Winners Are...; The SW Debate Continues; Programming Spotlight; homebrew motor photos; Lost CW Gadget

APR Correction to Labrador article; Future of Shortwave; Glad I read it in MT; More Parts Suppliers Editorial: It's so easy a caveman could understand it!

MAY Correction to Digital Digest illustration; MT at Winterfest; Harmony on the Ham Bands; Radio Cats!; Hello from Canada; KY Music Hall of Fame

JUN Antique Telephones; Antique Scanners; New Tech (wi-fi, DRM, computer-hosted radios); DRM SWBC's salvation, true or false?

JUL Antennas; Keeping cool (ice field faxes); Surge protectors

AUG The World According to Emmitt; More on HD Radios. Guest Editorial: Evaluating the Emergency Alert System

SEP Going to Great Lengths (John Musgrave's radio hobby); Monitoring Sea-Tac; Footnotes (WWII jingle, Godzilla reference)

OCT Tom Kneitel - The Write Stuff; Can you switch DISH to DirecTV? More info on INMARSAT decoding?

NOV Feedback: Mystery Radio; Fox Scanners; Emergency Battery Ops; WRNO Memories; Local Stations On Line; Antique Electricity (Lindsay's Technical Books)

DEC Early FM Radio; VOX; VBR Prescott; The Law and Streaming Audio

#### MILCOM

JAN The FLSATCOM System

FEB LEASAT - The Fleet Augmentation

MAR Air Show Equipment and Schedules 2007

APR Ultra High Frequency Follow-On (UFO) Program

MAY Military HF Comms Alive and Well; Milair Frequency Changes; Aussie HF Military Network

JUN The CAP VHF Radio Network - Frequencies in Transition; New Military Trunk Systems Uncovered

JUL Monitoring the US Army: Command Emergency Op Net; Nat'l Guard State Nets; SHARES

AUG Ear on the National Capitol Region: Joint NCR System; More 380MHz LMR in DC area; Call for Monitors; More HF Milcom

SEP More 380-400 MHz Trunk Systems: Calif/Fla/Ga/Va/Wa. New London Submarine Base. Westover JARB Update. New Ohio Guard HF Frequency. Milair Frequency Changes

OCT US Aerial Refueling Frequencies Changed; US Air Force Trunk Radio Systems; New Georgia Military Net; Milair Band Spectrum Holes

NOV Monitoring the UK Royal Air Force: Russian Long Range Air Force; USAF Trunk Systems; Monitoring Military HF

DEC The Hidden Military Band (VHF-Low); US Army Trunk Systems, Part 1

#### MT ARCHIVES

JAN DXing Broadcast Harmonics

#### MT HELP DESK

JAN What is STANAG 4285 and how to monitor it; Activity on 5680 and

FEB 7257; best and cheapest way to monitor UHF military

FEB Can the BC250 be flash upgraded to receive P25 9600 baud system? Uniden BR330T vs 396T vs Yaesu VR-500. Changes in marine channels? Filter to only pass 225-400 MHz?

MAR INTEROP freq pairs; pager blocking; software for ALE and computer control; monitoring EJ Johnson Multinet APCO 16 system; HF radio nets

APR Andrews AFB Shark ID; Who is using 360.800?; Equip needed to monitor HF-ALE; Who is on 12067 USB? Who is Atlas 310 on 11232 kHz? PC-based scanner equipped for P-25; RTTY on 9030 kHz; unknown ALE stations on 15867

MAY Free propagation prediction; which freq in pair is input?; Is USCG signal skip or relay?; ScanCat/Signal Stalker problem

JUN CAP-assigned callsigns; Skynet 5A milsat; Is there a source for MARS stations and freqs?

JUL Government Interoperability Nationwide Frequencies

AUG How to decode ALE bursts and what antenna recommended? Where is activity on USCG/COTHEN nets? What are best prop conditions for best listening? Why discrepancy in search ranges for air show monitoring between MT and Top Secret Registry? Which mode best to search at air shows?

SEP What is SGLS, who uses it, what equipment needed? Websites for A and K indices. Uniden 246T skips every few seconds. Freqs for Hawaiian Air National Guard. Does commercial SSB use similar USB/LSB conventions as ham radio?

OCT What are FCC's plans for UHF TV channels after switch to HDTV? How to use delay settings on Uniden 996; Interference problems on radio control frequencies; Second thoughts on Uniden 246T skip problem.

NOV More on Propagation; New freqs for Progress Energy; New DoD systems are what kind? Who or what is Hilda? Is there a milair BNC antenna? Is LORAN still active (in Searchlight, Nev.)?

DEC Did I see a refueling flight and where from? Recommended utility software/hardware package? Who is Bumpy-22? Who was on 30.6? Recording active frequencies?

#### MT REVIEW

JAN Tecsun Green-138 wind-up MW/FM/SW

MAR KAITO KA009 Dynamo & Solar Powered Radio

APR MFJ 1026/1026 Noise Canceling Signal Enhancer

MAY Comparing Four Mid-Priced Portables (Grundig G4000A, G5, Kaito 1103, Sony ICF-SW7600GR)

JUL A "Mounting" Problem - conventional; small inexpensive; professional; DIY mobile mounts

AUG Going Mobile with HD Radio

SEP MFJ Model 1623 Window/Balcony Mount Antenna; NetWorks and NetWorksGo from Tivoli

OCT RadarBox by AirNav Systems

NOV Kaito's Multifaceted KA1121 portable shortwave and more

#### ON THE BENCH

JAN Back-Up Power for Home and Hobby

FEB On the Technical Side (readers letters): Going Mobile on SW; A Poor Man's Wind Sock; Antenna Experimenting; Getting Grounded; What's This Gadget? What's That Antenna?

MAR Operational Amplifiers

APR Solar Power for Eton and Grundig Cranks; AOR DS3000A discone antenna; No-sweat antenna radial installation

MAY Getting that Rig Back on the Air (Icom IC-761)

JUN Frugal Guide to DRM Reception

JUL Scanner Programming: Getting the Most from the New Uniden Scanners

AUG Antennas for BC-Band Crystal Sets; Update on INMARSAT

SEP Model Motors from Scrap

OCT Junk Box Treasures: Shafts

DEC Unleashing the Icom PCR-1000 with a PDA

#### ON THE HAM BANDS

JAN Something Old, New, and a Few Dogs, Too (Icom IC-730 and AT-200Pro tuner)

FEB Ragchewing Revisited (what to talk about)

MAR Get on the Bus as CW Goes Gently Away (CW requirement gone and FCC Omnibus rulings)

APR April Odds and Ends: Chasing 5 Band WAS; MS Vista; Computers Cheap; VHF Contesting; book review

MAY Searching for an Island with a Mountain with a Lighthouse: Islands on the Air; Summits on the Air; Lighthouses; County Hunting. Web site and book of the month.

JUN Having Fun on Field Day; Website of the Month; Software of the Month

JUL How Green is My Shack? Power to the People; Recycle Everything; Website, Book of the month.

AUG Collectable Ham Radio; Website, book of the month

SEP The Ham as Scannist: Know Thyself; Know Your Frequencies; Know Your Local System; Know

OCT Your Equipment; Know Your Power Needs and More  
NOV Emergency "What If" Thinking  
DEC Promoting Ham Radio  
DEC Ham Radio's Holiday Gifts (contest and special event stations)

#### OUTER LIMITS

JAN FM Pirate Activity Continues Despite Busts; Degeneration X not DXers; Borowitz on Pirates; Crystal Ship QSLs; Pirate Beacons  
FEB Al-Zawraa TV Goes Clandestine via Satellite. The Future of Radio blog Closes. Playboy Cover s Pirates. Daily News covers Numbers Stations; Schoech's Pirate List. Tokyo Rose Dies  
MAR Focus on Cupido Radio; Pirates at Fest; Al Muick in Sudan  
APR Radio Ice Cream; FCC Monitoring Web Site; Marti Broadcasts in USA; Copyright and Pirate Radio  
MAY Pirate Radio and the Media: Global Crisis Watch; Fla Pirate Web Site; Mainstream coverage; New Iranian clandestine; Radio Pun  
JUN Radio Azteca Dominates Fest; BLANDEX Returns; Greek Pirate; Odd Numbers Voice; Radio Free Mt Airy; Homebrew Rigs; Pirate Goes Legit  
JUL Pirate Radio Gets Headlines; Harry Helms on Tourism; Greeley "Pirate": Clandestine QSLs; ARRL Attacks Clandestine  
AUG WHRI Interferes with CHU; New FRW Editor; Clandestine Web Links; Padula Receives 8,145th QSL; Odd Jammer; Airborne Radio Marti  
SEP Cuban Spies Convicted; Pirate web sites; British MPs Protest Crimestoppers ad; Ethiopian Clandestine; West Bank Pirates; Holidays  
OCT Halloween a Major Pirate Holiday; Commander Bunny for President; Oldest Pirate QSL? North Korean Quasi-Clandestine; Harry Potter on Pirate Radio  
NOV Thanksgiving= Pirate Radio. Pirate reception on internet; WBNY vs WBCQ; ACE returns as web site; BLANDEX returns  
DEC Commander Bunny's Presidential Bid; Christmas Biggest Pirate Holiday; Mysterious Carrier; Odd Alabama Signal

#### PROGRAMMING SPOTLIGHT

JAN Czeching on Slovakia (Czech Republic Radio Prague and Radio Slovakia International)  
FEB Sounds Historical (programs about history)  
MAR Unforgettable Radio: Memorable Presenters; Today's Classics; Golden Age comes Alive  
APR DX Programs; Language Lessons by Radio update

MAY Spotlight on Radio Netherlands; Other Benelux broadcasters  
JUN Country Music Worldwide  
JUL More DX Shows: Programs Morphed into websites; DX segments still on shortwave; DXing with Cumbre update  
AUG Good Listening from the Far East: Radio Japan and KBS Radio Worldwide; Listening to Australia during severe weather crisis  
SEP Cruising on the Information Highway - BBC World Service; New Zealand; South Africa; Canada; Something a Little different. RAE Update.  
OCT Romania, Myth and Magic - Radio Romania International; War of the Worlds; Halloween Listening Today  
NOV Faith Matters; Radio Australia, CBC, Deutsche Welle, Radio New Zealand, Voice of Russia, Channel Africa  
DEC Yuletide and Year's End: Leading up to Christmas, Christmas Eve, Christmas Day, New Years Eve/Day

#### QSL REPORT

JAN LowFERS and MedFERS  
FEB The Low-Down for Beacon Heads  
MAR Radio Prague Releases Lookout Tower QSLs  
APR Higher International Mail Rates; SRI Celebrates 70 Years  
MAY 75 Million QSOs and Growing  
JUN Word to the Wise DXer on IRCs  
JUL Clearing Out the In-Basket  
AUG New QSL Card Series for Collectors (Radio Taiwan, HCJB, Radio Free Asia), Radio Bulgaria Monitoring Club  
SEP Get Ready for MW Season  
OCT One World...One Dream (China); Radio Tirana QSL series; Pirate QSLing  
NOV Medium Wave QSLing  
DEC Holiday Listening

#### RADIO RESTORATIONS

JAN More Radio Data Books for Your Library  
FEB Back on Track with the Trans-Oceanic (print edition had same title as Jan!)  
MAR T-O Now Recapped and "Re-Rectified"  
APR Wrapping Up the Trans-Oceanic Project  
MAY Introducing the BC-348  
JUN More on the Trans-Oceanic and BC-348: Battery Packs for Longevity; Other T-O Comments; First Look at our BC-348  
JUL BC-348 Restoration Begins  
AUG Recapping the BC-348  
SEP The BC-348 Restoration Continues  
OCT The BC-348 Gets a Smoke Test  
NOV Power Supplies for the BC-348  
DEC A Permanent Power Supply for the BC-348

#### SCANNING REPORT

JAN Sheboygan Falls WI Scanning is a Life Saver; Louisville KY; Mississippi state radio network; Jackson MS EDACS; Virginia Ten Codes; Westport CT  
FEB Trunking and Talkgroups: Allen TX; Talkgroups; Using the RS PRO-97; Collin County TX, Plano TX  
MAR Choosing a Scanner: CB Radio; FRS & GMRS; Griffin GA; Digital Scanners; Trunking. Suburban Chicago Mutual Aid; MABAS; Des Plaines IL; Naperville IL; DuPage County  
APR Smart Zone, Smart Net; Morris Co NJ; UHF Trunked Radio; Hang Time, Squelch Tails, and Uniden BC245XLT; McMinnville OR update  
MAY Crossing the Digital Divide: Los Angeles Police Dept; LA Fire Dept; Port Hope ON; Encoding versus Encryption; Dayton Hamvention  
JUN Matching the Scanner to the System: Modern Scanners. Wash DC Public Safety; Palos Heights IL; Valentine NE; Parker County TX; Chicago IL update. MPT-1327 Systems  
JUL Scanning Oklahoma, Oregon, and Delaware. Tulsa OK; Oregon Sticker Shock; Delaware statewide system  
AUG Interoperability on a Smaller Scale - Steuben Co IN; LCN and EDACS; Marion IN; Fulton IL; Louisville KY; Port Hope ON query; Hawaii recordings  
SEP Back to Scanner School: trunked systems, finding control channel, etc. Henry County VA; Haverhill MA; Levy County FL; Battle Creek MI; Val D'Or QB query.  
OCT Mining the Scanner Manual; Peachtree City GA; PRO-97 Memory; Glenwood Springs CO; Canadian Frequencies (looking for Deux-Montagne information); Spring Hill FL  
NOV The Search for Meaning... Motorola Astro; Astro Trunking; Drummond Is MI; Colden, NY; Finding Freqs; NY Statewide Wireless Net; Chemung Co NY; Heath OH  
DEC Scanning Down Memory Lane (reflecting on simple beginnings to digital trunking)

#### UTILITY WORLD

JAN Cuban Morse "Numbers" Frequencies; LORAN-C Changes  
FEB Utility Band Deadline Approaches: Trouble at CHU; Changing Weather Fax; US Changes. The Future (WARC-07)  
MAR ShipCom Frequencies - WLO, KLB, KNN, WCL, EKA?!  
APR G11: A Numbers Station Returns; Visual DX? Fun radio places to visit using Google Earth

MAY	CHU Stays Put! Latest beacon mystery - PUN; This month's Cuban strangeness	New Equipment for 2007	Jan
		Pak-Lite emergency light	Dec
JUN	HFDL: Everything You Ever Wanted to Know	RatTail Antenna Booster	Feb
JUL	US Coast Guard May Drop HF Broadcasts; Air Force MARS Change; DX Tuners Closes; Cuban PSK Testing	Tac-Comm Tactical Radio Carrier	Apr
		WinRadio AX-81S Active HF Ant	Jul
AUG	Year-Long XSS Mystery Solved	Xtal Set Soc - 3 new kits	Apr
SEP	PC-HFDL: A Good Program Gets Better; VHF HFDL Counterpart Now Active; XSS is TASCComm?	Xtal Set XS-DE Dual-earpiece headphone kit	Aug
OCT	Spooky Communications - Israeli Phonetic Alphabet Station; Long EAMs Aren't Spooky; Has Cycle 23 Bottomed?		
NOV	Summertime in Antarctica; More Google Earth exploring		
DEC	The Arctic: HF's New Frontier; New Guam LDOC? Cuban Mode of the Month!		

## WHAT'S NEW

### Books, CDs

2008 It Was Great	Jan
2007 Guide to Utility Radio Stns	Mar
2007 SW Freq Guide	Mar
2007 Super Freq List	Mar
A Matter of Destiny	Jul
ARRL Antenna Book	Aug
AFFL FCC Rules & Regs for Hams	Nov
ARRL GPS and Amateur Radio	Jul
ARRL Handbook	Jan
ARRL Periodicals on CD-ROM	Jun
ARRL Repeater Directory	Jun
ARRL RFI Handbook	Jun
Collector's Guide to Antique Radios	Dec
Crystal Radio Projects	Jun
Domestic Broadcasting Survey 9	Aug
FAA Electronics Technician Life Style	Sep
Foreign Language Recognition CD + RCI SW Club archival programs	May
Listening to Longwave	Jun
Music Radio	Jun
NRC AM Radio Log	Nov
Passport to WBR	Jan
Something in the Air	Feb
The Secret Wireless War	Jul
Tourist Trains Guidebook	May
Tower Site Calendar 2008	Nov
World QSL Book announcement	Sep
World QSL Book review	Oct
World Radio TV Handbook	Mar

### Business news, Software

Eton E1XM Partial Recall	Feb
Orbcomm Plotter	May
Popular Electronics Top Ten	Dec
Soundsnap website	Sep
Swift WX Professional	Apr

### Equipment

AirNav RadarBox	Sep
AOR AR-ALPHA	Sep
Autonet Mobile hotspot	Aug
GRE announces new radios	Jul
GRE PSR-100/200	Nov
GRE PS-500/PS-600 specs	Oct
ICOM IC-R9500 wideband receiver	May
Morse Express Christmas Key	Dec
NASCAR Nextel FanView	Apr

# Monitoring Times 2008 Index

## FEATURES

### Broadcast

High school radio stations JAN  
RAE Goes Gold FEB  
WBCQ. The Planet SEP  
BBC. More than a World Service OCT

### 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  
Bletchley Park OCT  
Tuning in Transmission Art OCT  
107 Years of WCC NOV

### 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  
Sorting Out the Spectrum NOV  
Scanning the Slopes DEC  
Scanning Chicago DEC

### Technical

Power vs the Planet JAN  
Surround Sound for DAB Radio JAN  
Summer Propagation Outlook APR  
BC Band Antennas for Suburbia SEP  
Can MW Listening Still be Fun? SEP  
Amateur Radio Operator's Frequency Guide (Service Search) OCT  
Fall-Winter Propagation NOV  
Communications Trailer DEC

### 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  
OCT Bandscan Potpourri: Five 50kW stations; Moving experiences; Newbies; Incompetence no excuse; mixed news and reader comments  
DEC Digital TV: Down to the Wire. New Publications; IBOC Notes; KFI-640 back to normal; New Canadian expanded-ban station; How many stations are there?

## 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  
AUG Tough, Flexible Antennas for HTs  
SEP Let's Talk About Antennas - I  
OCT Let's Talk About Antennas - II  
NOV Let's Talk About Antennas - III  
DEC Let's Talk about Antenna Feed-Lines: wire lines; coaxial cables; impedance and impedance matching

## 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?  
SEP Using oscillator to read analog tuned frequency; Best comm equip for snowmobiling; TV antenna splitter used to feed 3 CBs; "carpet loop" antenna for AM; data bursts on 154.470  
OCT DC freqs and recommended scanner. What are speaker magnets made of? Antenna and coax comparisons and using a splitter. SW reception in US compared to Europe. Reception of police data links.  
NOV What's range of WinRadio RDF? Grove Scanner Beam specs. WiFi transmission frequencies. DTV converter for wideband

receivers. Digital TV reception on portable radios. Why static less on HF than MW.  
DEC Digital scanner recommendation. recommended antenna height for MW/SW reception. Active antenna comparisons and is ground needed. Meaning of "5 over 9" signal report.

### 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)  
SEP Coping with DXCC Fever (confirming 100 countries)  
OCT SW, FTA Satellite and DTV Q&As  
NOV Digital TV and Music via Satellite: DTV channel assignment mysteries; Music via FTA and other satellites  
DEC Santa's Helper's Little List of Radio Girls.

### 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  
SEP New England Update; Mapping Out Your DX; Homing In; Elmira NY Hamfest  
OCT What's Happening on Longwave? Northern Lights demystified; Grimeton Sweden transmitter; URLs to understand static; A/N Range revisited  
NOV Howard Mortimer WB2ZWI; ARRL News; loggings  
DEC Winter DX: Euro-broadcasters; Aviation beacons; Lowfers; Even lower; Mailbag

### 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  
SEP TRAINS: Rail Transit New Target for Listeners  
OCT BOATS: Tubes, Travels, and Telecommunications: Seaway comms, cruise comms, ham comms. AIS receiver and vintage radio  
NOV PLANES: TRACONs and Northern California TRACON  
DEC Journalists Portray Railfans in Bad Light (Chatsworth CA accident); Signal issue; Positive train control; Railroad Museums; Narrowbanding

### 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 va 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 Excuse Pirate Fined. GPS: Bear Swipes Goat's Tracking Collar  
JUN 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  
SEP B'CASTING: NPR studies HD Radio; UGA Buys TV Station; KFTT Going Green; iBiquity Fee. DTV: Congress to fund LPTV DTV switch; Make Your DTV Switch Green. FCC: 2 Meter Pirates in Mines; Nationwide Sweep of FM Pirates; \$10k Fine for Boston Pirate; Sheriff Busts

GA Pirate. SAT/COMPUTER RADIO: Chrysler Web-based radios; US Broadband

SEP BROADCASTING: NPR studies HD coverage; UG buys TV station; KFTT-FM goes green. DTV CONVERSION: Congress to fund LPTV DTV switch; Make your DTV switch green. FCC ENFORCEMENT: 2 meter pirates down in the mines; nationwide sweep of FM pirates; FCC Upholds \$10K Fine; Sheriff busts FM pirate. SATELLITE RADIO: Chrysler web-based radios; US broadband coverage poor. CONSUMER CORNER: Radio Shack recalls power supply; RFID could be hazardous. BALLOON-BASED COMMS: 700 MHz service, balloon relays into N Korea. Happy Birthday NASA

OCT SW/AMATEUR: RNW wants its history back; ARRL's Big Project. BROADCASTING: Flashback to the Cold War. SATELLITES: FCC OKs Merger; XM/Sirius Top Brass Bonanza. PUB SERVICE: Tow Truck Heroes; Hacker Scares Clevelanders. FCC ENFORCEMENT: El Paso, Hawaii, etc. OBITUARIES: Gene Hughes, Tom Kneitel

NOV SW/HAM: SWLers invited to NASB; Alaska DRM Experiment; Radio Marti covers Cuba during Ike; WRN goes DAB+. PUB SERVICE: FCC to Rerun 700 MHz auction; NY Emergency Radio Flop; WV digital system crash; stolen Dallas fire dept radio. BROADCASTING: DTV passes first test in NC; HD Digital Radio alliance; new HD radio network; HDTV "smart" antennas. FCC ENFORCEMENT: Religious BCer hit with fine; Starband not C-band pirate; non-compliant TV sets.

DEC SW/AMATEUR RADIO: RNW Stops NA BCs; Where's the sunspots? RNZ celebrates 60; Hams help after hurricane; ham rescues. PUBLIC SERVICE: Scanner Listener Thwarts ID Theft; DTV Conversion. SATELLITE RADIO: Sat radio new price scheme. FCC ENFORCEMENT: Aero interference from TV; false ELT alarm; FCC sweeps Miami (again); San Diego TV fined; 16-yr old sends false maydays. CONSUMER CORNER: Sony recalls notebook computers.

#### 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)

SEP PC Tune-Up

OCT Moving to a Bigger Hard Drive with Acronis True Image Home (plus USB-hard drive adapter)

NOV "Fly" Your Radio (JoyToKey)

DEC RadioCom 6 - The "Have it all" radio program

#### 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); Bandscan (9000-9200 kHz)

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

MAY Digital Smorgasbord: New PEMEX Freqs; More Russian 75bd; Pakistani Navy PactOR; T12 ALE Net; PR0NN Net; bandscan (11000-11500 kHz)

JUN Mixed Bag: PEMEX ALE update; Pakistani Navy freq; center of data or USB?; ITU Monitoring Service3; propagation research; bandscan (14350-15000 kHz)

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

SEP Digital Activity from Germany: German Water Protection Nets; German Weather Service and SYNOP Codes. Bandscan (4000-5000 kHz)

OCT Listening to Your Letters: Tale of Two Link 11s; Decoding the Mexican Navy; Bandscan (1200-12300 kHz)

NOV NATO RTTY and more ALE: Iraqi Forces ALE Net; Austrian Army Net; New GLN Node; New XNet Mode

DEC Getting Going with ALE: the radio, the computer, the decoder, putting it into practice

#### 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"

SEP US Coast Guard Auxiliary. Federal Frequency sources; Secret Service channels? Political convention preview.

NOV Listening In on the Political Conventions

#### 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

SEP Radio Shack Accurian Portable HDTV

OCT Alinco's DM-330MV Power Supply

NOV Kaito's Voyager

DEC Grund Satellit 750 - Eton's Flagship Radio

#### 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

SEP What's Happening with DRM in the USA?

OCT The Complex "Eritiopia" Shortwave Scene

NOV Radio Netherlands Cancels SW to NA

DEC Less English from Sweden, Canada, Taiwan

**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
- SEP Powerhouse AM News Broadcasters; Public Safety Scanning via Reciva; Topeka Public Safety on line
- OCT Spooky, Out of This World Audio Streams (natural radio, meteors & planets)
- NOV Are you searching for some football? (+ flagship station websites)
- DEC Internet radio, through a radio! (Shopping list for wifi radios); New radio hobby hangs in the balance (music royalty battle)

**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
- SEP Welcome to AM DX Season; Internet over Power Line interference; Spec Event Station; HDTV and correction; Antenna Principles; SHAREing Wisdom
- OCT Spooks, Spies, and other Weirdos; What's happening in CB?: Those for whom internet is not an option

- NOV Welcome new GlobalNet columnist; Feedback: Bletchley Park, WBCQ; More Canadian Content? RCA Historical Station Bletchley Park and Alan Turing;
- DEC Digital TV Transition; Below 500kHz

**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
- SEP USAF Space Command trunk system; Monitoring the Military Command Post (1)
- OCT The X-Files Radio Net; Monitoring the Royal Navy; Georgia invaded (Georgia military freqs); US Navy ship decomm list
- NOV Crisis Monitoring: ALE freqs and addresses monitored from Brasstown NC; COTHEN
- DEC Monitoring the Military Command Post (2)

**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? How 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
- SEP Kaltman Creations RF Spectrum Analyzer/Olympus Digital Recorder
- OCT Performance HF Antenna
- NOV Xtal Set Society Step Attenuator Kit

**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"
- SEP Builders' Templates
- OCT An EASY Power Supply
- NOV Tracking the Elusive HD FM Signal
- DEC Are all 9V Batteries the same?

**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
- SEP Communications? or Technology? ARRL Mini Logbook; the Poqet PC; Palm PDA; Asus EEEPC. Book review: ARRL Hands-On Radio Experiments
- OCT October Olio: The Last HOPE; Road ID wristband; D-STAR System Update; ARRL VHF Digital Handbook
- NOV Back to *The Mode*
- DEC Simple Gifts

## 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
- SEP Commentary on Pirate Flame War
- OCT Pirate Flame War Subsides; Insinger wins contest; Jamming; Halloween; FM Pirates
- NOV Pirate DX Season Returns; Chinese Pirate!; Brooklyn Pirate Fined; WBCQ Covers Pirates; Chavez Shuts Down "Pirates"
- DEC Pirate Cat Radio; Antenna pirates; holiday pirate DXing; pirate web sites

## 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
- SEP Vote Early, Vote Often! (election coverage and politics around the world)

- OCT Make 'em Laugh: humor programming from BBC, Canada, US, and global
- NOV A Zeal for New Zealand
- DEC Sun, Fun, and a Tropical Christmas: interview with RNZ's Phil O'Brien; Christmas in Asia; in Caribbean; BBC, Canada, Europe and Americas; New Years Celwebrations

## 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
- SEP Twenty Years and Counting
- OCT Prime Listening in October
- NOV A country List that Works!
- DEC Holiday Listening - Reference Books

## 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
- AUG Firing Up the BC-221
- SEP BR-221 Project: It's a Wrap
- OCT 1929 Breadboard Transmitters: 4 typical circuits
- NOV Restoring a 1957 Novice Transmitter (WRL Globe Scout 680)
- DEC First Look at the Globe Scout 680

## 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
- SEP Is it Time for a Change? Bearcat BC-92XLT; University of Missouri; Columbia MO; Alabama; Opelika AL; Lawton OK
- OCT National Emergency Communications Plan. Wash Co MD; Jefferson Co WV; Marin Co CA
- NOV No Free Ride with ESK? EDACS Security; ESK Capable Scanners. GRE and Uniden Updates. Private Network B ootlegging. APCO Scanning; St Louis P25 System.
- DEC York County and P-25 Standards; Coast Guard and P-25; New York; Monitoring Wildlife

## 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 HFDL
- 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 numbers thunder in the morning; Is Cycle 24 a Dud?
- AUG Everything You Wanted to Know about Cuban "Numbers"
- SEP E10: Spooky Letters from Israel; PLC Trouble Ahead?
- OCT North Atlantic Air Route Communications, Oceanic Air Communications
- NOV Power Line Networking Battle Continues, Limited Protection for Listeners, US Listeners be Prepared
- DEC East Pacific Aeronautical HF; Pacific VOLMET

## WHAT'S NEW

### Books, CDs

- ARRL Handbook Jan  
ARRL HANdbook 2009 Dec

ARRL Hands-on Radio Experiments	May
ARRL HF Digital Handbook	Feb
ARRL Instructor's Manual	May
ARRL Low Power Comms	Jan
ARRL Repeater Directory	Oct
ARRL VHF Digital Handbook	May
DSWCI Domestic BC Survey	Jul
International Callsign Handbook	Oct
Int'l Callsign Handbook (review)	Dec
Klingenfuss Radio Data Code Man	Aug
Klingenfuss Shortwave Freq Guide	Mar
Klingenfuss Super Freq List on CD	Mar
NRC AM Radio Log	Sep
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**

ARRL National Exam weekends	Feb
DX Bulletin Reader 1.0	Oct
Hamcalc	Jun
Hamcalc v101	Sep
Logger 32	Aug
MultiPSK 4.9	Aug
Sunair/FlexRadio Agreement	Feb

#### **Equipment**

AOR Releases AR-Mini Handheld	Nov
Bearcat BC-95XLT Scanner	Feb
Icom IC-92AD VHF/UHF Tx	Apr
Icom IC-7200 HF+6m Tx	Jul
Sangean WFR-1 wifi radio	Sep
Uniden Updates Scanner Line-Up	Nov
Yaesu FT-950 HF/50 MHz Tx	Feb
Yaesu VX-8R HT	Jul

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Amateur Radio: Lifetime Hobby	May
Freq Coordination in Ham Service	May
Digital Software for the Digital Radio World	May
Howard Hughes, Ham Radio Operator	Aug
Expert's Guide to Buying an HF Transceiver	Nov

### Broadcast

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QSLing Brokered Broadcasts	Feb
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International Radio Serbia	Mar
Radio Slovakia International	Apr
South Pacific Adventure	Jun
My Big Fat Voice of Greece Website	Aug
HD Radio's Long and Winding Road	Aug
Radio France International	Sep

### Internet Audio Streaming

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Radio France International	Sep

### Nostalgia/Human Interest

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Living the Dream: One ham's effort to update the tradition of kit building with a digital twist	Oct
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### Scanning

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### Utility

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Digital Software for the Digital Radio World	May
Meet the QSL Mistress – KSM	Sep

### AMERICAN BANDSCAN (even months)

FEB The Disappearing Radio? Analog TV not dead yet? FCC Notes; Canadian notes; Mexican notes; Callsign weirdness; Shipboard DX	
APR Money and Radio; Analog TV: maybe not dead yet? FCC notes; Canadian notes	
JUN Ham Antennas and AM DX; Analog TV: <del>maybe not</del> dead yet? FCC notes; Canadian notes; AM Bandscan Station Report	
AUG And now a word from your local station . . . ; HD Radio notes; Analog TV: dead, I think; Canadian notes	
OCT "Translating" AM and FM; Analog TV: Dead; Canadian Notes; AM Bandscan Station Report.	
DEC Tough Times for "Community" Radio; Another Military AM Test; New AM Radio Log; Analog TV: Dead. But what about audio?; Canadian Notes; Letters	

### ANTENNA TOPICS

JAN Impedance Matching for Antennas and Feed Lines	
FEB Antennas which neither Communicate nor Broadcast	
MAR The Many Faces of a Dipole	
APR It's a wonder they work at all! (antenna problems and solutions)	
MAY Antennas for the Radio Amateur	
JUN Antennas, Accidents, and Astronomy	
JUL Something very different in Antennas (small antennas)	
AUG Antennas and Resistors	
SEP How to Deal with Received Noise	
OCT A Noise that Improves Antenna Performance	

NOV Build Your Antenna Library and a VHF-UHF Antenna	
DEC Tree Antennas for Christmas and an All-Band HF Antenna	

### ASK BOB

JAN How to find local broadcasters; calculate element lengths for scanner antenna; why are whip antennas tapered? Jump starting a dead battery; blocking RFI from neighbors' comms; will grounding prevent static?	
FEB H-800 Skymatch with Eton E-1? What causes global warming? Did QEII receive a WWII Morse code message intended for QEII? Adapter for older radios which have 3 posts?	
MAR CFL bulb wattage equivalent; rounded plug vs RF ground; erratic scale readings; converting 5-tube AM rx to receive SW; can unblocked scanners decode cellular signals? Can old TV antennas be used for scanner reception?	
APR Repeat of March column. Due to a layout error we repeated the March column. We apologize for this error.	
MAY Hazard of the All American Five; Legality of using a ham HT for other services; Power and frequency limits of Grove Scanner Beam for transmit; Receiver advantages of USB/LSB vs SSB; Protecting a multiband portable from EMP	
JUN HT Antennas for NOAA weather reception; Does the FCC bust CBers with linear amps; How to improve an antenna for HDTV reception; Thermal switches in Uniden scanner battery packs; Spy number station harmonics in Europe on VHF low band; Receiving earth signals on the moon; What does Roger Wilco mean?	
JUL Aircraft engine bird protection; Difference between dBd and dBi; Length of a Beverage antenna; Which scanner to use for airshows; GRE 3001 VHF preamp overload solutions; AC vs DC and can I roll my own DC	
AUG Alternative energy sources; Jacob's ladder (climbing spark generator); Tuner help shortwave reception; How do I know if my coax is shorted; Are yellow fluorescent lamps still made?	
SEP Radio with Digital TV audio capability; What does the RG-174/U coax letters mean?; Monitoring telephone calls by the government; How digital will effect shortwave listening; How to	



Recording Artists Seek FCC Help; ISS to De-orbit in 2016? ; New Satellite Finds Earth-like Planet; Satellite Messenger from Space; New In-Flight Wi-Fi Gets FCC OK; PA County Fed Up with "OpenSky;" CTA Bootlegger Arrested; Mall Radio Jammer Busted; Companies Cited for Selling Illegal Gear.

NOV Tale of Two Antenna Companies; FCC Grants Experimental Licenses; KHCM-AM Goes CRI; Pirate Cat Radio Gets City Approval; California TV Station Can Air 20 Channels; Eco-Terrorists Blamed in Downed Towers; BusRadio? What Next!; Chinese Satellite Debris Haunts ISS; Cash-strapped City Taxes Dish Viewers; New GPS Sat Goes Live; San Antonio Scanner Channels Restored; Scientific American Examines Interoperability; 7,432 Cell-phone Drivers Ticketed in NYC; Bug-Killer Radio

DEC Pressure to Close Radio Prague; Library Turns Town onto Shortwave Radio; Antenna Accident Kills 3 in Family; NPR Supports HD Power Increase; More LPFM Stations Coming; BusRadio Crashes; Omaha Backs Down; Satellite to replace Air Traffic Radar; iPhone App Wows Geeks; Windmill Could Power Cell Towers; Martin Rides Revolving Door; Smiths Warns on Obscene Language; FCC to WAQY-FM: Game Over

#### COMPUTERS & RADIO

JAN Trying Out RadioCom 6 (part 2); Goodbye Vista? Already?

FEB Computer Password Security and Biometrics (Microsoft fingerprint reader)

MAR An "Atom" Powered PC for Radio Enthusiasts

APR Unfinished Business: RFPC running an SDR: The Problem with Windows versions

MAY The Tiny USB Muzee

JUN Two free and useful radio tower applications: FCCinfo and ZIPSIGNAL

JUL Touchatag: RFID for Home Use

AUG What's All the Fuss about "Netbooks"?

SEP Shortwave QSOs – No License or Equipment Required

#### DIGITAL DIGEST

JAN More on NATO Encrypted RTTY. Bandscan: 13000-13500 kHz

FEB Marines on Exercise and Ecuador on HF: Exercise Red Reef; Mexican PEMEX Network; Another Ecuadorian Navy Frequency; Rogue US Coast Guard transmitter

MAR Looking at the BEEs (BEE modem)

APR Chilean Police and Swiss Diplo Service

MAY May Mixed Bag (PEMEX voice; USAF Rockwell TE204 modem; Colombian Clover-2000

JUN Listening in on the National Guard's Civil Support Teams

JUL The Mexican "M42" Network; Internet Relay Chat (IRC)

AUG US Civil Air Patrol ALE Network; Ecuadorian Navy using Mil-Std-188-110A; 10266 kHz Mystery Net

SEP Digital Utility Mysteries Solved: The M42 Network Revealed and HF Transmissions from Cutler ME

OCT Decoding Software and the Hobby Market; Ecuadorian Navy Update; Technical Handbook for Radio Monitoring HF.

NOV Maritime Listening with SITOR-B; STANAG 4285 Independent Sideband Transmission

DEC US Naval HF Broadcast Network; Canadian Forces Stanag 4285 Transmissions

#### EDITOR'S SOAPBOX

OCT Introducing First Person Radio

DEC MT Reader Survey Results

#### FIRST PERSON RADIO

OCT In the Right Place at the Right Time – Bob Heil, K9EID

NOV A Life of Service in Amateur Radio – Harry Daniels, W2HD

DEC Reading, 'Riting and Radio – Carole Perry, WB2MGP

#### THE FED FILES (odd months)

JAN Feds Make the Slow Move to Digital: Federal NAC information; Regional P-25 Networks; New York FBI Lineup

MAR A Cloudy Future for the IWN? Justice Communications Budget; DEA Situation; Arizona Fedcom

MAY Inauguration and Super Bowl Wrap-Up

JUL A Fed Files Summer Vacation: Area reports from Asheville NC; Augusta GA; Boston MA; Chicago IL; Las Vegas NV; Lexington KY; Los Angeles CA; Miami FL

SEP In Search of the Great White Whale

NOV 2009 Fed Files Wrap-Up: More on the Great White Whale; VHF Mystery Networks; UHF Mystery Networks

#### FIRST LOOK

JAN Grundig G6 Aviator

FEB AOR AR-Mini B scanner

MAR ARRL Basic Antennas. AOR AR-STV Wireless Camera Detector

APR Ultra-Rx1 Ultrasound Receiver Kit

MAY Ham Antennas by Par Electronics

JUN Uniden BCD396XT Handheld Scanner

JUL Icom RX-7 Handheld

AUG Grace Digital Audio: GDI-IR3020 WiFi radio (Internet Radio)

SEP Perseus Software Defined Radio: A Whole Universe of Listening Possibilities

OCT Degen DE1103/Kaito KA1103 – A Second Look

NOV The Uniden BCD996XT: 21<sup>st</sup> Century Scanning Technology

DEC Roberts Revival R250 AM/FM/LW Analog Radio

#### GLOBAL FORUM

JAN Romania becomes a major signal

FEB Will Obama's Admin Reform US Int'l Broadcasting?

MAR Utility Intrusions into the SWBC Bands

APR Madagascar Uprising Disrupts SW

MAY Gains and Losses for SWLs

JUN Downsizing in Chile, Turkey. . .

JUL China's Mixed Feelings about Shortwave

AUG Save Shortwave – Run Commercials

SEP Sino-Swearing on Shortwave

OCT Working for Radio Habana Cuba vs China radio International

#### GETTING STARTED: Beginner's Corner

JAN Guide to Tuning the International Space Station

FEB The Big DTV Switch & School Club Round-Up

MAR Ten Meter Beacon Band

APR The Allure of SW Radio

MAY Jump Start Your New Ham Hobby

JUN Beginners Guide to Baseball on the Radio

JUL Shopping for a SW Radio, Useful Spam, Ham Radio Scholarships

AUG Eight Common Beginning Ham Myths

SEP Better Audio from Your Shortwave Radio

OCT Complain, Complain, Complain (FCC Consumer Protection)

NOV How to Beat the Dismal Sunspot Cycle: Go Digital

DEC Readers Write About: DTV, HD-Radio and Shortwave Audio; FCC Comments and Compliant Updates

#### GLOBAL NET

JAN The search for something worth hearing

FEB What's Happening "Down Under"? Internet radio in th palm of your hand. Reaching into the mailbox.

MAR Los Sonidos de Bolivia! WiMax revolution.

APR Storm Season in Tornado Alley

MAY Hopping the Islands of Hawaii

JUN Sounds from the "Emerald Isle"

JUL Happy Birthday America: Guide to Streaming Washington DC

AUG Mobile Internet Radio – the Push for Portability; Cruising the Net, in your car?; Clear Channel gets

help from artist; Performance royalty debate heats up  
 SEP Want Your ITV?, A Webcaster Deal Struck  
 OCT Internet Radio Gadgets Galore: My new portable radio – the iPhone 3GS (iHeartRadio, ooTunes, Radio Apps) ; Want a Blackberry Free from Slacker?; Wi-Fi Radio Options in the Home.  
 NOV Looking for South Africa? Try the Internet!; Internet Radio Bucks the Trend; One Stream to Rule Them All; LAUNCHcast wins Appeal; New WiFi Radios Hit the Market  
 DEC How Much is that Player in the Window?; Apple Goes FM; NPR Releases its own WiFi Radio; Senate panel okays royalty fees

**LETTERS**

JAN Happy New Year; A Life-Long Hobby; Memories of Mort WB2ZWI; On the Net; Finding Big Band Music; Radio Comparison  
 FEB Busted for cheap cable amp; Alternative DTV antenna; MT a Great resource; Remembering WCC; Multi-Reader help needed; MT Express for Success  
 MAR ODXA Discontinues Publication; Resource for Online Hobbyists; 9 Lives for Pirate Cat? Remembering RNI Sarah  
 APR April Foolishness; Antenna tuner for longwaves; Aero performance of aviator?; US prices for Bonito software; Radio telescope clothesline?; Rebanding?; Unusual antenna; Alternate email address; Rob Harrington, N0POH SK; John Wrisley, Grove Enterprises Engineer SK  
 MAY Corrections; Celebrating Amateur Radio; Contact with Extra Class, KS3P; Signals from Space-Kenneth Hill; Real Amateur Radio by John C. McGrath, N9AMI  
 JUN Pacific Radio; Dissension in Paradise; Mobile Scanning in Kentucky; Mobile SW Listening  
 JUL Narrowbanding; Finding Frequencies; Monitoring Ultrasound; Streaming the Classics; Monitoring Monthly magazine folds; Hawaiian geography lesson; Remebering D-Day  
 AUG You Speak, We Listen (MT Reader Survey)  
 SEP MT Express Expands Language Coverage, Passport to World Band Radio in Limbo; New Features Editor, Farewell to John Catalano, Thanks for the Reviews, Preserving Maritime Morse Code, Exploring Newer Modes, Airshow Kudos, On Baseball, Get with MT Express.  
 OCT MT Welcomes Ken Reitz to Its Editorial Staff; The Sky's the Limit; Global Forum Completes a

Long Run; Coming Up: Foreign Languages; Perseus Review Update; Handheld J-Pole.  
 NOV September's Mystery Antenna  
 DEC Yuletide Greetings; Thanks for MT Express; Antenna Photo of the Month; Antenna Query Solved

**MILCOM**

JAN Change! Military frequencies are changing; Inter Squad radios; METRO freqs changing; DoD milair wideband freq changes; T-Bird VHF freq changes; DoD VHF LMR bands changing  
 FEB Coast Guard / COTHEN Comms Merger?; US Navy Logistics Aircraft Change Callsigns; Some Air Force Callsigns Decoded  
 MAR Airshow Demo Teams Airshow Schedule 2009  
 APR The US Military on HF  
 MAY Military Frequency Profile: Fort Benning and Associated Camps; Aeronautical Frequency Changes; Flight Service Stations  
 JUN Monitoring the Defenders of the Homeland: NORAD  
 JUL Monitoring the Nation's Capital on the 4<sup>th</sup>: Guide to 380-400 MHz DC trunk radio systems  
 AUG Monitoring the Israeli Military  
 SEP New 380-400 MHz Trunk System Discovered: MCAS Yuma AZ; 380-390 MHz Spectrum Holes; 380-390 MHz Aeronautical Assignments; Latest Milair Frequency Changes  
 OCT European Military HF Communications: UK Tascomm, NATO AWACS Net, German Coast Guard HF Net; North American VHF/UHF military frequencies  
 NOV North American Aerial Refueling Frequencies  
 DEC November-Foxtrot-India-India-Four-Sierra: DoD EAMs revisited

**MT REVIEW**

MAY Degen DE1123 AM/FM/SW Pocket Radio  
 JUL Tivoli Audio's NetWorks Global Radio (Internet Radio)  
 AUG Grundig AN200 Antenna Loop

**ON THE BENCH**

JAN Antenna Tuner for the Long Waves  
 FEB "Time's UP!" Ten-minute timer  
 MAR A Simple Zener Diode Meter  
 APR Monitoring Ultrasound  
 MAY Hams Reaching out to Youth (Scout projects)  
 JUN Working "RTTY"  
 JUL MFJ-269 SWR Analyzer  
 AUG A low frequency audio generator  
 OCT "Sky-Wires & Inhalers" Part 1: Catching Photons  
 NOV "Sky-Wires & Inhalers" Part 2: From Antenna to Receiver  
 DEC "Sky-Wires & Inhalers" Part 3: A Random Antenna?

**ON THE HAM BANDS**

JAN New Years Resolutions for the Ham Hobby  
 FEB Thaw Out Your Kit-Building Skills; The Club Connection  
 MAR Living Large on a Tight Budget  
 APR Numbers Stations (numbers used in CW QSO): FISTS, QRPARCI, SKCC NR, QRP, keyer, 72; ARRL Handbook  
 MAY Let's Build Something  
 JUN The N2EI Power and Light Company  
 JUL First Contact; On the Ham Bookshelf  
 AUG Summer Solace; ARRL Triple Play; Have you walked your talkie lately; Hope for the future; Speaking of Elecraft rigs . . . ; The ARRL Satellite Handbook  
 SEP Time to Amp Things Up, *6 Metre Handbook* review  
 OCT 10<sup>th</sup> Month – 10 Meters; *The ARRL Repeater Directory*, 38<sup>th</sup> edition.  
 NOV Transversion Conversions and Other Diversions; So What is Up with the Sun . . . Really?; Hey Buddy . . . Got the Time; November is Sweepstakes Month; The Alpha Delta DXCC; Ham Radio Book of the Month: ARRL Antenna Book  
 DEC Tinsel and Toys

**OUTER LIMITS**

JAN Radio Euzkadi Returns? Boulder CO Pirate; Books  
 FEB Clandestine and International Broadcasters Still Needed; Radio Morania  
 MAR Pirates Week Podcast from Ragnar; 2009 Winterfest; Commando Transmitter; Clandestine QSLs; Numbers on 5882  
 APR Pirate-Inspired Station Still Silent  
 MAY The Corsette Transmitter  
 JUN Clandestine Broadcasting Robust, but Changed; WEAK QSL; Major Pirate Bust  
 JUL Radio Dr. Tim Raided in Germany; Pirate Week; New Blandx; Johnny Guitarman RIP; Columbus NASWA Chapter, What are we hearing; QSL Pirates  
 AUG Pirate Radio Movie Opens in August; NASWA Pirate Report; FBI Pirate Bust; What We Are Hearing, Pirate QSLs  
 SEP Numbers Stations Puzzle National Press, What Your Are Hearing, QSLing Pirates  
 OCT Thirty-Four Venezuelan Radio Stations Pirates; Expanded Band  
 NOV The Filipino Monkey – Malicious Unlicensed Jamming; MAC Shortwave QSLs; What We Are Hearing; QSLing Pirates  
 DEC Tallbam, Commander Bunny and QSLing Pirates; What We Are Hearing

**PROGRAMMING SPOTLIGHT**

JAN Poland's Underrated Voice to the World  
 FEB Money Makes the World Go 'Round: England, continental Europe, around the world. Widgets.  
 MAR A Tour of the Black Sea: Bulgaria, Romania, Ukraine, Georgia, Russia, Turkey  
 APR If it ain't Baroque, don't fix it!  
 MAY Scandinavian Smorgasbord  
 JUN Language Lessons Revisited; Rock and Roll Revisited  
 JUL Health Matters  
 AUG Toronto's SW Voice and Theater of the Mind (Radio Drama programs)  
 SEP More Small Countries, Booming Voices: Croatia, Thailand, Vatican City, Vietnam, Next of Kin  
 OCT Be Afraid, Be Very Afraid: "Spooktacular," History Programs Revisited, Science Fiction  
 NOV Everything Old is New Again; Modern Echo of a Happy Past; Special New Years Broadcasts  
 DEC Endings and a New Beginning; New Years Celebrations

**QSL REPORT**

JAN Tips on Follow-up Reporting  
 FEB Tales of Tentative Reporting  
 MAR QSL Tips and Contesting  
 APR QSL "Bytes"  
 MAY Fast Track to Amateur Radio  
 JUN Vintage Receivers from Romania; June Bits and Bytes  
 JUL Holiday DXing for a Sizzling July  
 AUG August QSL Closeout  
 SEP Name That Tune!  
 OCT Tis the Season. . . of the Witch  
 NOV Radio Saint Helena ready for annual Party-on-the-Air  
 DEC Tune in the Holidays from a QSL Perspective

**RADIO RESTORATIONS**

JAN The Earliest Vacuum Tubes  
 FEB The Globe Scout: Limited Progress  
 MAR The Globe Scout: Making RF at Last!  
 APR Globe Scout: It's a Wrap  
 MAY An Entry-Level Ham Receiver of 1939  
 JUN "Extracting" the S-20R Chassis  
 JUL Recapping the S-20R  
 AUG August QSL Closeout  
 SEP The S-20R Finds Its Voice  
 OCT The S-20R: It's a Wrap  
 NOV An S-20R "S" Meter and Introducing the BC314/BC-344  
 DEC Digging into the BC314/BC-344 Project

**SCANNING REPORT**

JAN New Scanners for a New Year. Intermediate Frequencies. Interference. Location-based scanning with GPS. Aerostats.  
 FEB Access Denied. ESK in Florida; Rockingham County, VA;

Oakland County, MI. Radio Shack PRO-2045  
 MAR "Unacceptable" for Public Safety Use. York County PA; New York Statewide Wireless Network; Cleveland OH. International Space Station.  
 APR Why are US cellular frequencies blocked? Fairfax Co VA; Delaware; 700 MHz  
 MAY Control Channel Scanning. Bearcat 250D; Project 25 Systems. Philadelphia Radio Systems; Milwaukee WS; Dayton Hamvention  
 JUN Finding Frequencies: Gaston Co NC, Collin Co TX, York Co PA; Radio Refund  
 JUL Scanning Rochester and San Diego  
 AUG Internet Expertise and Mobile Data  
 SEP "Open" and Shut Systems: York County SC, Suburban Chicagoland" Aurora IL, Naperville IL, Illinois Mutual Aid  
 OCT Keeping Tabs on Your Community: Scanning San Francisco, Arvada CO.  
 NOV Taming Talkgroups; Oswego, New York; LTR Talkgroups; Monitoring Multi-Net; Computer Based LTR Monitoring  
 DEC Scanning through the Years; The Villages, Florida; Albertsville, Alabama; Rebanding Motorola Channels; Firmware Upgrades; Customs tables; Albuquerque, New Mexico

**SHORTWAVE GUIDE**

NOV English plus Spanish 0000-1200  
 DEC English plus Spanish 1200-2200

**SKYSURFING**

OCT Radio Astronomy: VLF Detection of the Sun  
 NOV Amateur Radio Satellite Report: Operational Analog and Digital Hamsats  
 DEC A Brief History of Amateur Radio Astronomy

**UTILITY WORLD**

JAN Digital Utilities: The Absolute Beginner's Guide  
 FEB British Numbers: Cherry Ripe is Alive! Keeping time; No NRD-555?  
 MAR Will there EVER be sunspots again? Software Defined Radios  
 APR Canadian Coast Guard Frequencies  
 MAY Ham QRP: SW's Hidden Underground  
 JUN XSL: Beating the "Slot Machines"  
 JUL Demystifying STANAG 4285  
 AUG Utility Broadcasting: Wireless Time and Power Control: Standard Time and Frequency Stations  
 SEP "Spy" Numbers: The Global Intrigue Continues

OCT Monitoring Mexico's "Green Angels"  
 NOV Around the Bands: Odds and Ends; Kyodo News Lives!; HBG Going Off-Air  
 DEC Updated High-Frequency Radiofax List

**WHAT'S NEW****Books, CDs, Software**

2009 European/North American NDB Handbook/CD Aug  
 Argos3 Plotter Sep  
 ARRL Digital Tech for Emergency Communications course May  
 ARRL General Class Course May  
 ARRL Satellite Handbook May  
 B'casting on the SW 1945-Today Feb  
 Domestic Broadcast Survey Sep  
 DXtreme Station Log Jan  
 Free Navtex Feb  
 Hamcalc v110 Now Available Sep  
 Klingenfuss 2010 Products Set for a December Release Dec  
 Klingenfuss Super Freq List Mar  
 Klingenfuss SW Freq Guide Mar  
 Klingenfuss Utility Stn Guide Mar  
 Listening on the SW 1945-Today Feb  
 MT 10-year anthology on DVD May  
 MT back issues sets May  
 Multipsk to add Mil-Std 188-110a Sep  
 New iPhone App Finds DX Openings Jun  
 Passport to World Band Radio Jan  
 Perseus databases May  
 RadioReference Scanner database Mar  
 Sold on Radio Jun  
 The ARRL Ham Radio License Manual Oct  
 The ARRL Software Library for Hams v3.0 Sep  
 The NRC AM Radio Log 2009-2010, 30<sup>th</sup> Edition Dec  
 The Signal Analyzer Aug  
 The World Listening Guide Jun  
 UCS Satellite Database May  
 VoIP: Internet Linking for Amateur Radios, 2<sup>nd</sup> Edition Sep  
 WRTH 2009 Mar  
 Yesterday and Today – A 20 Year Retrospective of SW Broadcasting (CD set) Oct

**Equipment**  
 FLEX-3000 SDR May  
 Grundig passive antenna May  
 Icom IC-7600 transceiver May  
 JRC HF receivers gone May  
 MFJ Purchases Cushcraft Amateur Radio Antennas Dec  
 MFJ Releases a Pair of Trunking Scanners Dec  
 My Marconi Shortwave Crystal Set Kit Dec  
 Super-M Ultra Mobile Antenna Nov  
 Ten Tec 715 RF Speech Processor Jul  
 Uniden scanner update news May

**Miscellaneous**  
 CHU has something new Feb  
 New Stuff - New Look (Grove Enterprises website) Jul  
 Yes, Monitoring Times does have a website Jul

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TV DX: Better Than Ever	AUG
Whatever Happened to the Wireless? The 2010-2011 Shortwave DX Season	OCT

### First Person Radio

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CQ at 51,000 Feet and Mach .85: Rick Dougherty, NQ4I	MAR
Crystal Set Leads to Lifelong Hobby and Career: Maury Midlo	APR
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## 2011 RADIO BUYERS GUIDE (16 Page Special in the November MT)

- Buying Radios for Amateur Satellites  
By Keith Baker, KB1SF/A3KSF
- MT's Antenna Roundup  
By Bob Grove, W8JHD
- MT's Guide to Buying a Scanner  
By Larry Van Horn, N5FPW
- MT's Guide to Buying a Transceiver  
By Kirk A. Kleinschmidt, NT0Z
- Personal Radios: CB, FRS/GMRS  
By Ken Reitz, KS4ZR
- What to Look for in Portable Shortwave Receivers  
By Ken Reitz, KS4ZR

## REGULAR COLUMNS

### BROADCAST BANDSCAN

(Doug Smith) (Even months)

- FEB Twenty Years of DX; IBOC Power Increase; Trans-Pacific from the "Wrong" Coast; Analog TV: Dead.Finally; Canadian Notes; Letters; AM Bandscan Report.
- APR Going, going, gone . . . (CBC AM stations leave the air); New AM Stations; New TV Stations; IBOC / HD Power Increase.
- JUN Going, going, gone . . . (Part 2); TV Odds & Ends; FM & TV skip season; Letters from Listeners.
- AUG With Lots of Watts; Gone or Maybe Not; Interesting Antenna; The Nashville Flood; Letters from Listeners; You'll never know what you'll find at a Hamfest; AM Bandscan Station Report.
- OCT What is the Future for AM? Disappearing Stations and a Publication.
- DEC On the Tube: New Jersey & Delaware; Analog Drop-Dead Date; Unique AM Station to Close; "Un-disappearing" Station; Letters; Strange ID; New DX Publications; Bandscan Station Report.

### ANTENNA TOPICS

- JAN You're Using What for an Antenna?: The Tuner's the trick; Hiding the Evidence; Antennas in the Gutter; Go Ahead and Try It!; Grounding Option. (Dan Farber)
- FEB Stealth Antennas: Now You See IT, Now You Don't. (Dan Farber)
- MAR Build this UHF Omni Satcom Antenna (Part 1). (Mike Frye)
- APR The Humble Dipole. (Dan Farber)
- MAY How's It Hangin? Erecting Wire Antennas. (Dan Farber)
- JUN Build this UHF Omni Satcom Antenna: Conclusion. (Mike Frye)
- JUL Down to Earth Understanding Grounding Concepts; AC/D/RF Ground. (Dan Farber)
- AUG The Balcony Bent Dipole – Compact, Stealth, Amazing Performance . (Dan Farber)
- SEP Antenna Designs for VHF, UHF and Microwave (W. Clem Small)
- OCT Fun with Loops – Low-Frequency Listening Made Easy (Dan Farber)
- NOV Stepping Up in the World: Ladder Line (Dan Farber)
- DEC Military vs Consumer Vehicle Antenna Performance – Comparison Test.

### ASK BOB (Bob Grove)

- JAN Free-to-Air on a WinRadio; New digital TV sets vulnerable to TVI; Emails delayed; Uniden/GRE scanner sensitivity on railroad freqs; Operating two scanners from one Grove scanner beam;

- Voltage regulators to protect computer equipment; Required SATCOM equipment on ocean going ships.
- FEB Small dish satellite signals interrupted by bad weather; Is 12 volts enough to cause pain?; Roll up loose cables to act as electrical interference chokes; Antenna U-clamps larger than 2-1/8 inches; Orientation of VHF boat antenna; Feds monitoring cell phones; Grounding a portable shortwave portable.
- MAR How did sunspots effect 1939-1945 comms; How should CDs and DVDs be stored; Computing antenna length and feed line impedance; Are foreign imported scanners now legal in the US?; Can I combine two Grove FlexTennas?; The ban on incandescent lamps in 2012.
- APR GSM in the U.S.; Why is there a highly-conductive, metal shield on a cell phone board?; Front-end overload on a YB-550 and a 30-ft wire antenna; Who makes GMRS SSB radios?; What causes signal variations on my shortwave portable as I walk?; Can I use a wooden ceiling beam for a HF antennas?
- MAY Electrical noise on a shortwave portable; Why no HF ham walkie-talkies; Uniden BCT-8 a good scanner and can I use a wire for an antenna; What is geothermal energy; Does the law of diminishing returns apply to antennas; Antenna recommendations for a wide frequency coverage receiver.
- JUN No new channels added with digital TV; Signals get louder when I touch the case; Buying WiFi for public safety and broadcast monitoring; Hose current raises worms; How to hear a distant FM next to a local; What are these numbers I hear on shortwave?
- JUL Fractal Antenna Designs for radio hobbyists; Random Longwire Directionality; Antenna on the roof truss; Harmonics 101; Advantages of a passive multicoupler; Hearing birdies, harmonics and IF's; What is the difference between magnetic and geo-magnetic poles?
- AUG July Column Correction; Test Prod in the AC Socket; Can a Spark Occur in a Complete Vacuum?; Radio Shack DX-398 badly Distorted Audio; Two Radio to One Antenna: switch or splitter. Digital TV Picture Pixelates During Storms.
- SEP Combining Scantenna and cellular yagi antenna; Frequency bands are UKW, KW, LW, MW; Wireless electricity; Improving AM DXing; FM Frequency Notch

- Filter; 20-meters vs 40-meters reception distance.
- OCT AM broadcast harmonics; Identifying interference on a scanner; CO2 alarm triggered by ham radio signals; Switching power supply interference; Litz wire; A nanofarad is a what?
- NOV Armed Forces Radio on SW; Horizontal Antenna Ground Gain; Rapid signal flutter on HF; Siren and Piccolo on Shortwave; P-25 and the Cops; Cops Above the Broadcast Band; Cell Fones and Metal Roofs; Fluorescent Light Interference; The Shaking Flashlight.
- DEC Shortwave radio audio on a laptop; VOA on Shortwave; D-Star comms called skip; VLF antenna to comm with subs; Antenna spacing to reduce interaction; Wire antenna coax placement; "Superheterodyne" receiver characteristics.

### BEGINNER'S CORNER

"Getting Started" (Ken Reitz)

- JAN Shortwave Listening and Art: Audio Music History; The Artistic Ear of Myke Weiskopf; DIY Transmission ART.
- FEB Pansat 9200HD: Keeping Up with FTA Satellite Changes (Satellite Monitoring)
- MAR International TV and Radio Reception via MPEGII FTA Satellite Receiver (Satellite Monitoring)
- APR Your Antenna is Up: Now What?
- MAY OTA DTV Update and Finding Entertainment on Shortwave.
- JUN Beginner's Guide to Field Day.
- JUL A Beginner's Look at Shortwave and Ham Antennas.
- AUG Electronic Bargains and Pirate Radio Mania: IBM Computers Cheap; C. Crane's Big Savings; All Electronics Throwback Savings; 2010 Pirate Radio Annual.
- SEP Field Day 2010 Report and Hooked on HF Pirates.
- OCT Buying Your First Shortwave Radio: What Not to Buy; OK, What Do I Buy.
- NOV HF On-Air Protocol: What's the Frequency? Net Operation; Setting Up a Schedule; Working HF Repeaters.
- DEC Beginner HF Protocol Part II: Chasing DX: Just what is DX; Habits of DX; How to work DX; What's the Frequency?

### BELOW 500 kHz (Kevin Carey)

- JAN Why Longwave?; Mailbag – 1000<sup>th</sup> Beacon Logged; End Notes.
- FEB Tuning in to Natural Radio: What Can Your Hear; Receiving Equipment; Books and Publications for Natural Radio; Mailbag.

MAR Detecting Sudden Ionospheric Disturbances; Winter SWL Fest; Loggings; What the Others are Saying; New Book: Radio Nature; SAQ (17.2 kHz) Broadcast; Loran-C Final QRT.

APR Favorite Bookmarks; Not Online?; Longwave Websites; Loggings; The Future of Beacons.

MAY Mailbag and Loggings Galore!; Active Antennas; Opening the Mailbag – Mystery Beacon; St. Lawrence Ice Breakers; 500 kHz Puzzler; Intercepts.

JUN Broadband Loops: Let's Build One!; Loggings; Mailbag.

JUL Broadband Loop (Part 2); Loggings.

AUG Broadband Loop (Part 3) ; Loggings.

SEP Broadband Loop (Part 4) ; From the Mailbag; Loggings.

OCT Longwave Timeline; Mailbag; Loggings.

NOV Loop Success, Web Tips, Mailbag; VLF Radio CD.

DEC Loggings Galore! First 2200 meter JA-VE QSO. New Signals Heard: HA-DGPS; Loggings; Mailbag.

#### BOATS, PLANES, and TRAINS

JAN BOATS: Retired, Relaxed, Reorganized and Reeducated; Tools of the Trade; Digital Signals; Listening on HF; CW Activity; VHF; Catch you on the Net or 'Net. (Ron Walsh)

FEB PLANES: What's up in Northwest Colorado?: Wide-Area Multilateralation (WAM); FlightAware. (Iden Rogers)

MAR TRAINS: In the Dispatcher's Seat with ATCS Monitor. (Ernest Robl)

APR BOATS: "The Times They Are a-Changin'!" (Things that have gone away in radio); Amateur Radio Traffic Haiti; KSM; Seasonal Change; Frequency Allocation Changes; Radio Facsimile (FAX) Broadcasts; Radiotelephone; Personal Happenings. (Ron Walsh)

MAY PLANES: What is Ground Control?; ATIS; ASDE-X; Closing Thoughts. (Iden Rogers)

JUN TRAINS: Railroads Reliant on a Variety of Radio Uses. (Ernest Robl)

JUL BOATS: Summer Boating by Radio; HF Listening; Amateur Radio Monitoring; On the Down Side (Loran, Bill Wilson VE3NR (RIP)). (Ron Walsh)

AUG PLANES: Arrivals and Approaches (Iden Rogers)

SEP TRAINS: Notes from a Slow Summer Month; Small Changes, Big Difference; Automated Messages; Multiple Tracks; "Hot Rails"; "High-Speed" Rail? (Ernest Robl)

OCT BOATS: Southern Cross DX; Loran-C; Fall/Winter VHF Listening; Canadian Empress; KSM in Danger.

NOV PLANES: Aeronautical Shortwave: Ionospheric Propagation; Receivers; The HF Aero Bands; MWARA: Areas, Freqs, Communications; Chart Info; ARINC; LDOC; SELCAL; VOLMET/Aviation Weather.

DEC TRAINS: What a difference a year makes! Regulatory Issues; Speaking of the AAR; Elections; Back to Basics.

#### COMMUNICATIONS (Ken Reitz)

JAN **Amateur Radio/Shortwave:** CA Hams Aid in Rescue; WWCR Programs Linked to Investigations.  
**AM/FM/TV Broadcasting:** FCC Extends LPFM Deadline; Death of Over-the-Air TV?; White Space Network Test in VA.  
**Satellite:** Space Debris to Increase Mission Cost.  
**Public Service:** Rescuers Wary of "Yuppie Rescues;" Guard with Scanner Captures Crooks; Scanner Listeners Aid Police; Carjacker Stopped by OnStar.  
**FCC Enforcement:** Parade of Manufacturer Missteps; FCC Scuttles Pirate Cat Radio; Florida Pirate Fine Reduced; Texas FM Pirate: Not Ruled by FCC.

FEB **Amateur Radio/Shortwave:** Utah Hams Aids Crash Victim; Chinese Hamsat Launched; Former Radio Host Charged.  
**AM/FM/TV Broadcasting:** Say Good-Bye to OTA-TV; HD-Radio Drifting; LPFM Gets Congressional Boost; TV Commercials to Calm Down.  
**Satellite:** Iraqi Insurgents Tap Into Drone Videos; EPIRB Saves Man from Crocs.  
**Public Service:** York County Radio Dysfunctional; DHS: No More 10-Codes; Navy to Use SDR; DARPA's Twitter Success  
**FCC Actions:** FCC Needs More Engineers; National Broadband Plan; FCC Narrowing Freqs; Resort Fined for Bootleg FRS Ops.

MAR **Amateur Radio/Shortwave:** Radio Response to the Haitian Quake; Radio Prague Bemoans End of SW; Radio Evangelist Sentenced to 175 Years.  
**Pirate Radio:** Pirate Radio Update; 3,000 Spanish Pirate Stations Targeted; IC & RCMP Pull Plug on Teenage Pirate (Literally!); Taiwanese Government vs FM Pirates; FCC Cites Rare AM Pirate; Three Bronx FM Pirates Nabbed.

**AM/FM/TV Broadcasting:** FCC Stalled on OTA Giveaway; LG Introduces Mobile DTV Receiver.  
**Public Service:** FL Scanner Listeners Being Shut Out; FCC: No More 700 MHz Wireless Mics; Cell Phone Dummies on Parade.

APR **Amateur Radio/Shortwave:** BBG May Ax Greenville VOA Site; Radio New Zealand Budget Threats; Haiti Update; Party Like It's 1978.  
**Pirate Radio:** FCC Scuttles FM Pirates; Olympics Pirate Closed in Record Time; Former FM Pirates Go Legal.  
**Public Service:** IL Bill Seeks to Curb Scanner Retrans; Scanner Listener Saves Life.  
**AM/FM/TV Broadcasting:** FCC OKs Power Up for FM-HD; iBiquity reduces Fees.  
**Satellite:** Russian Spy Satellite Crashes in Mexico.  
**FCC Activity:** FCC Outlines Ambitious Internet Plans; FCC Experimental Licenses; WiFi Power Amp Cited in Interference Case; College Station Fined in "Hostile Visitor" Case.

MAY **Amateur Radio/Shortwave:** Ham Satellite in Near Miss; ARRL Spring/Summer Sked Change; BBC Budget Cuts Spares World Service; Military Buys Shortwave Tactical Sets.  
**AM/FM/TV Broadcasting:** Sangean Pocket Portable HD in AM; WJFK-FM: Sports Fan's Dream Station.  
**Satellites Weather/TV/Radio:** NASA Launches NOAA's GOES-P; Liberty Media Backs out of WorldSpace Deal; Satellite Tracks Great White Sharks, Strange Saga of DISH, Texas.  
**Public Service:** Two EPIRB Tales; Restrictive Illinois Bill Reworded.  
**FCC Activity:** FCC's "2010 Broadband Vision;" FCC Broadcast Station Totals.  
**Cell Fone Follies:** Smile, You're on Candid Cell Camera!; Bungling Car Thief Turns Self In; Car Thief Tracked by Victim.

JUN **Amateur Radio/Shortwave:** Icom: So Long IC-706MKIIG; Big Sale on vanity Call Signs; Hi-Tech Blimps to U.S. Military.  
**AM/FM/TV Broadcasting:** NAB Hits Back at FCC; LPFM Bill Might Include Ex-Pirates; 800,000 U.S. Households "Cut the Cord;" Online Listening Slumps.  
**Public Service:** Cleveland Radio System Disarray; D.C. Radio System Flunks Emergency.  
**Satellite:** Big Bonanza for Sirius/XM Top Brass; DISH Beats Panarex in Piracy Suit; TiVo Pounds DISH in Patent Suit.

	<p><b>FCC Action:</b> FCC Internet Leash Yanked; FCC Northeast FM Pirate Sweep; CB Op Cited for Advertising on Ch. 19.</p> <p><b>Amateur Radio/Shortwave:</b> Senate Report: Cuba Media Campaign a Flop; DRM in the News; ARRL Debuts New-Look Web Site.</p> <p><b>AM/FM/TV Broadcasting:</b> TN Floods Hit Nashville Broadcasting; Pirate Cat Radio Gets Adopted.</p> <p><b>Public Service:</b> Texas City Shuts Out Scanners; EPIRB Saves Racing Yacht; Railroads to go to Narrowband.</p> <p><b>Satellite:</b> USAF's X-37B Mystery Spacecraft; Solar Eruption and Cable Satellite Mystery.</p> <p><b>FCC Enforcement:</b> Miami Station Fined for Privacy Violation; FCC Nails UK-based Phonejammer.com.</p> <p><b>Cell Fone Follies:</b> Forgetful in Florida; Idiots in Illinois; Ignorant in Iowa; Police and Criminal Bungling; Stupid in Seattle.</p>	<p>to FCC: OTA Swearing OK. . . Sometimes.</p> <p><b>Cell Fone Follies:</b> Newbies Caught by Lost Phone; Stylin' Limo Thieves Caught.</p>	<p>Rock 'n' Roll Star? D.C. 17.5 kHz Xmtr QRT.</p>	
JUL	<p><b>Amateur Radio/Shortwave:</b> ZL Op Caught With Way to Much Power; ZS OP: Threat to US Security; 10 Year Old Boy Works Satellite, Amazes friends; BBC Notes Shift of Listener Habits.</p> <p><b>AM/FM/TV Broadcasting:</b> FCC Warrantless Searches on Part 15 Devices Questioned; HD-Radio to Add Traffic Info.</p> <p><b>Internet Broadcasting:</b> AT&amp;T Looks to Limits.</p> <p><b>Public Service:</b> Scanner Apps vs Criminals.</p> <p><b>Satellite:</b> FCC Gift: 25 MHz from SDARS to Mobile TV; Philly Councilman Tired of Looking at Dishes.</p> <p><b>FCC Enforcement:</b> Crack-down on FM Pirates; Another Former Pirate Goes Legit.</p> <p><b>Cell Fone Follies:</b> Quick-Thinking Teen Aids Capture; Ringing Stolen Phone; Imbecile Bank Robber Caught.</p>	OCT	<p><b>Amateur Radio/Shortwave:</b> League Warns OK Town on "Nuisances;" Sudan Ousts BBC FM Outlets in North.</p> <p><b>AM/FM/TV Broadcasting:</b> Winds Topples 3 WWVA Towers; Station Totals Released; Dude, Choppers at 6 o'clock!</p> <p><b>Satellite:</b> Satellite TV Viewers Unhappy; DISH Hits Skids in 2Q; DeLorme Ties GPS with SPOT.</p> <p><b>FCC Enforcement:</b> Univision Fined \$1 Million in Payola Scandal; EchoStar Cited by FCC on "Speculation;" QRM from BDA Leads to NOUO; The Complicated Case of Eddie Floyd.</p> <p><b>Technology:</b> DIY Passport RFID Reader; Pandora: 90,000 New Users/Day.</p>	<p><b>COMPUTERS &amp; RADIO (Brian Wood)</b></p> <p>JAN Methods of Rig Control</p> <p>APR Making A Better Mousetrap?</p> <p>JUL Product Review: RFSpace SDR-IQ</p> <p>OCT Digital Signal Processing Solutions.</p>
AUG	<p><b>Amateur Radio/Shortwave:</b> ZL Op Caught With Way to Much Power; ZS OP: Threat to US Security; 10 Year Old Boy Works Satellite, Amazes friends; BBC Notes Shift of Listener Habits.</p> <p><b>AM/FM/TV Broadcasting:</b> FCC Warrantless Searches on Part 15 Devices Questioned; HD-Radio to Add Traffic Info.</p> <p><b>Internet Broadcasting:</b> AT&amp;T Looks to Limits.</p> <p><b>Public Service:</b> Scanner Apps vs Criminals.</p> <p><b>Satellite:</b> FCC Gift: 25 MHz from SDARS to Mobile TV; Philly Councilman Tired of Looking at Dishes.</p> <p><b>FCC Enforcement:</b> Crack-down on FM Pirates; Another Former Pirate Goes Legit.</p> <p><b>Cell Fone Follies:</b> Quick-Thinking Teen Aids Capture; Ringing Stolen Phone; Imbecile Bank Robber Caught.</p>	NOV	<p><b>Shortwave/Amateur Radio:</b> TV via Shortwave, Really!; Radio/TV Marti Director Resigns; Judge: HT not a Cell Phone; FCC to Review Personal Radio Services; It Pays to Advertise; Former SW Talk Show Host Convicted.</p> <p><b>FM Radio:</b> Radio Free Austin Scorns FCC; "We-are-not-pleased" Department.</p> <p><b>Satellites:</b> XM Slow to Minority Programming; DARPA's Mini-Satellite Network; Japanese Spy Satellite over DPRK Down.</p> <p><b>Cell Fone Follies:</b> Deja ve Cell Phone.</p> <p><b>FCC Enforcement:</b> FM Pirates Busted in 6 States and P.R.; Fined in Florida; Oregon Sweep Nets 3 on 1710 kHz; Another Ship Radio Malfunctions; PA CBer Caught with Linears; CBer Warned on Gear and Language.</p>	<p><b>DIGITAL DIGEST (Mike Chace)</b></p> <p>JAN South American ALE Nets: Chilean Police ALE Network; Venezuelan Navy ALE Network; Ecuadorean Navy Update.</p> <p>FEB Digital Digest without Borders; US Navy Shifts Frequencies; Medecins Sans Frontieres; Shedding Light on Mysterious OLO32.</p> <p>MAR The Forthcoming Budget Decoder from Hoka; New Signal for German Weather Service; International Federation / International Committee for Red Crosses.</p> <p>APR Around the World in One Digital Column; North Korean Diplomatic Service; The Tunisian ALE &amp; PACTOR-II Network; MultiPsk Adds Stanag 4285.</p> <p>MAY Telephone Companies Use HF ALE? AT&amp;T on HF; Venezuelan Navy Surprise.</p> <p>JUN Your First RTTY Station.</p> <p>JUL The Strange Case of the Mystery Pulser; High Seas Station KMI; More U.S. Naval Frequencies; The Pulser; Iraqi Military on HF.</p> <p>AUG The Three Best Modes: CW, RTTY, ALE.</p> <p>SEP UK Military and Aussie Digital Signals on HF.</p> <p>OCT Digital Utility Listening Tips: Where to find utility signals; How to find utility signals; Identifying unknown stations and signals; Logging digital utility signals; Propagation tools.</p> <p>NOV Digital Beginners with SITOR</p> <p>DEC Mysterious Pulsers Get ENIGMA Designation; UK Mil HF Transmissions; Bulgarian Diplomatic Service; Two Mysterious US Networks.</p>
SEP	<p><b>Amateur Radio/Shortwave:</b> Spies Like Us; Radio Marti's Big Makeover; Vatican Radio Xmitters Linked to Cancers (Again); BBC Announces New Board.</p> <p><b>AM/FM/TV Broadcasting:</b> Ludwig's Ethnic Radio via HDTV; Heat is on for Dutch AM/FM Pirates.</p> <p><b>Public Service:</b> Kansas Town Shuts Out Scanners.</p> <p><b>Satellite:</b> New DTH Satellite Service Offers VOD; CCTV9 Now English News Channel.</p> <p><b>FCC Actions:</b> NOVs for QRM on Channel 16; Another SF Pirate Busted.</p> <p><b>Consumer's Corner:</b> Apple Stumbles with 4G Phone; Sony VAIO Computers Recalled; Court</p>	DEC	<p><b>Amateur Radio/Shortwave:</b> DRM Finds Inroads; DX Hounds Get New Entities; ARISSAT-1 Set to Fly.</p> <p><b>AM/FM/TV Broadcasters:</b> FCC to Ask OTA-TV for Spectrum; Clock Running Out on LPTV; BTC Wants FM to be Competitive; FLO-TV Tanks; PBS Ends Analog Satellite Feed.</p> <p><b>Public Service:</b> California Police Radio Pirate Busted.</p> <p><b>Satellite:</b> Earth-based Radio Garbles Sat Data; Tax on Sat-TV in Ohio Top Court; Careening "Zomblesat" Still a Threat; Sirius/XM Defies Skeptics.</p> <p><b>Internet Broadcasting:</b> Sony-Google Internet TV Launch; FCC Wants "Super Wi-Fi" Technology.</p> <p><b>FCC Enforcement:</b> Breaker 1-9 for Cuts and Washes; More AM Shenanigans; FCC: Register your EPITB! So You Want to be a</p>	<p><b>EDITOR'S SOAPBOX</b></p> <p>JAN Computers &amp; Radio is Back! (Rachel Baughn)</p> <p>FEB Make a Radio (Ken Reitz)</p> <p>MAR Seeing is Believing (Rachel Baughn)</p> <p>MAY Ham Radio is Not Dying (Larry Van Horn)</p> <p>JUL Your Chance at FCC Reform (Ken Reitz)</p> <p>AUG Uniden Open House (Larry Van Horn)</p> <p>SEP Banish Anxiety: Subscribe (Rachel Baughn)</p>

## THE FED FILES

### (Chris Parris) (Odd months)

- JAN 2010 Fed Files New Year: Roadrunner and Other Strange Vehicles; Federal Railroad Administration; Pittsburgh G20 Summit Wrap Up.
- MAR Chipping Through the ICE: New England, Los Angeles, Florida, Texas; Mystery Systems Explained: Shenandoah National Park; UHF Allocations.
- MAY Super Bowl XLIV Wrap Up; CBP, ICE and the D-Net Channels; Getting It Together.
- JUL Delivering the Frequencies – The U.S. Postal Service; The New TSA Radios.
- SEP Autumn Updates: Justice Department 25 Cities Project; Federal Satellite Systems; VHF "Mystery System" Update.
- NOV 2010 Federal Wrap-Up: On the Move with the DEA; USFS Fire Channels; CBP Border patrol in Arizona; TSA Tracking Things.

## FIRST LOOK REVIEWS

- MAR MFJ-8322 Hand-Held Scanner (Bob Grove)
- APR Logitech Squeezebox Internet Radio (Lloyd Van Horn)
- MAY FLEX-3000 SDR Transceiver Review (Part 1) (Larry Van Horn)
- JUN FLEX-3000 SDR Transceiver Review (Part 2) (Larry Van Horn)
- AUG Icom IC-R6 Hand Held, Wideband Scanner (Bob Grove)
- SEP AOR AR5100D Communications Receiver (Bob Grove)
- OCT The Revolution Has Begun: The Uniden HomePatrol-1 (Larry Van Horn)
- NOV WiNRADiO Excalibur G31DDC SDR Receiver (Bob Grove)
- DEC AOR AR2300 Black Box Receiver (Bob Grove)

## GLOBAL NET (Lloyd Van Horn)

- JAN A New Hobby for the New Year; WRN: The world in one place; HD Radio on the iPhone; "Chumby" the WiFi hesitation blues; Droid hits the market; AppleTV adds Internet radio player.
- FEB Internet Radio's Rising Star; Mobile Providers to Limit Data?; MP3 VCR Records Streaming Audio; The Wonderful WunderRadio App; Pocket Tunes.
- MAR Internet Radio Caught in Royalty Debate; PURE-ly Amazing Radios; The Much-Hailed Apple Tablet; What CES 2010 Taught Us.
- APR What is Internet Radio?: WiFi Radios; On the Go Radio; Music Services; Uh-oh, Pandora going local?; Internet Radio on the iPad; FiOs jumps on IR bandwagon.
- MAY Radio aus Deutschland!

BBC may break out the axe; Performance Royalty Fight gets 'blown up'; O'Meara making waves again; Internet radio makes inroads in cars; GlobalNet Mailbag.

- JUN Earthshaking Radio – Tuning in earthquakes, hurricanes and more; Administration enters 'pay-for-play' debate; iPhone;s OS 4.0 can multi-task!; Bad news for 'free' Internet radio?; GlobalNet Mailbag.
- JUL Keeping an Ear on the Sky; TV Who? TVU!; Real'radio being turned off in autos?; GlobalNet Mailbag.
- AUG Internet vs SW: Everyone's a Winner; Waiting for the iPhone 4; Finally, Reciva has an app for that; GlobalNet Mailbag.
- SEP In on the Action – Wherever it May Be; Sounds of the Storm; Portable Echolink?; IOS4 and Streaming; Subaru In-Car WiFi Hotspot; GlobalNet Mailbag.
- OCT Connecting the World with EchoLink; A new ISP for me; Royalty Compromise on the Horizon?
- NOV First Annual GlobalNet "Best of" Awards; RadioTime: A Growing Source; Internet Radio on iTunes?
- DEC Broadcasters Battle the Digital Devil.

## LETTERS (Rachel Baughn)

- JAN Harry Helms (RIP); More on Alfred Vail; Remembering the Regency TR-1; The Buzz.
- FEB Crazy about Radio? Or just Crazy?; Grundig G-8; Keep It Simple; Retro Radio.
- MAR Shortwave Coverage in MT; The End of Pirate Coverage?; Tick Tock.
- APR Future of Shortwave Radio: MT Assistant Editor Larry Van Horn looks at the future of radio; Wullenweber Antennas; In Memoriam: Dave Ingram K4TWJ; John Bryant; Peter Cuffe G0IEP.
- MAY Farewell to Passport; Crusing for DX; March Corrections; Monitoring MURS.
- JUN New Uses for Old Frequencies; Rhombic True and False; Airwaves are Public!; Flying High; Another Source for New Old-Time Radio; Longwave Kudos; Robert Thomas (RIP).
- JUL OTA Online Resource; More Youthful Look?; Ask Bob; Window Dressing; AWA Museum.
- AUG Putting A Face on MT; SAR: Sesta Antes do Rescue?; Mourning Passport; KAAY: One for the Books; Both Sides of the Microphone; NASB Annouces Shortwave Listener Survey.
- SEP Vintage Radio; Ham Radio Call-In Show; MT Express on the

iPad; Bringing Back Memories; DZKit Support; Zip Code Scanning.

- OCT Feedback and Quickies; Ready-made for 160M?; Pick-Up Antenna Solution.
- NOV Ham Call-In Show; Better than Kindle; Parabolic Experiment; Kiwa Loops; MT Rocks.
- DEC Farewell to Skip; Improved VR500 Charger; Wrong Rx.

## MILCOM (Larry Van Horn)

- JAN Military Brevity Codes; Monitoring the Tyndall AFB TRS; Milcom Frequency Changes.
- FEB 2010 Air Show Season Nearly Here: Base Profiles: Davis Monthan AFB; Maxwell AFB; Eglin AFB; Barksdale AFB; Dyess AFB; Altus AFB; Shaw AFB; Columbus AFB; Grand Forks AFB; NAF El Centro; MacDill AFB; NAS Kingsville; NAS Key West; Charleston AFB; Andrews AFB; MCAS Cherry Point; Latest Milcom Frequency Changes.
- MAR Military Demonstration Teams 2010 Performance Schedule; MT Air Show Resource Guide.
- APR The Military Weather Channel (Metro Station/Frequency List); MARS Changes Name and Fine Tunes Mission; U.S. Navy/Marine Corps MARS Net Designators.
- MAY Monitoring the Civil Air Patrol (VHF); CAP and the HF Spectrum.
- JUN Are the Ute Bands Really Dead? List of Recently Monitored Government / Military HF Frequencies.
- JUL Profile: US Navy Training Wings Five and Six; Major Frequency Changes in Houston (ARTCC) Houston Center Frequency Profile.
- AUG Where to Monitor the Military; The Digital Side of HF – ALE; Monitoring Military VHF/UHF Communications; How do you find new frequencies to monitor? Table of Major Military Bands.
- SEP Monitoring Military VHF Low Band Communications.
- OCT Monitoring the Chinese Navy and Enigma M89 Communications
- NOV Monitoring the U.S. Navy SESEFs
- DEC Monitoring Aerial Refueling: Rules for Tanking; Aerial Refueling Terminology; Random Aerial Refueling Frequencies: CONUS, Atlantic, Canada; Monitoring NAS Fallon, Nevada.

## MT EQUIPMENT REVIEWS

- JAN Grundig G8 Traveler II Digital AM/FM/SW Pocket Receiver (Gary Sargent)
- FEB The MicroR2Receiver (Skip Arey) VRX-1 Receiver (Skip Arey)

Grundig Globe Traveler G3 Portable (Jay Allen)  
 MAR MFJ-8322 Hand-Held Scanner (Bob Grove)  
 APR Logitech Squeezebox Internet Radio (Lloyd Van Horn)  
 MAY FLEX-3000 SDR Transceiver Review (Part 1) (Larry Van Horn); Jetstream JTPS30M DC Power Supply (Bob Grove)  
 JUN FLEX-3000 SDR Transceiver Review (Part 2) (Larry Van Horn)  
 JUL Comparison of Eton Emergency Radios (Gary Sargent); RFSpace SDR-IQ (Brian Wood); MFJ-8310 Desktop / Mobile Scanner (Bob Grove)  
 AUG Icom IC-R6 Hand Held, Wideband Scanner (Bob Grove); MFJ-844 SWR / Wattmeter Review (Bob Grove)  
 SEP MFJ-9410 Ten-Meter Transceiver (Bob Grove); AOR AR5001D Communications Receiver (Bob Grove); Kaito KA801 Review' Sangean CL-100 AM /FM / Weather Radio (Bob Grove)  
 OCT The Revolution Has Begun: The Uniden HomePatrol-1 (Larry Van Horn)  
 NOV WinRADIO Excalibur G31DDC SDR Receiver (Bob Grove)  
 DEC AOR AR2300 Black Box Receiver (Bob Grove); The British are Coming! Pure Evoke Flow-A GlobalNet Review (Lloyd Van Horn); CCRadio-EP AM/FM Portable (Bob Grove); C.Crane FT-007 Stereo FM Transmitter (Bob Grove)

#### ON THE BENCH

JAN "Sky-Wires and Inhalers" (Part 4) Anatomy of an Antenna. (Walter Lindenbach)  
 FEB "Sky-Wires and Inhalers" (Part 5) Transformers? Why? (Walter Lindenbach)  
 MAR "Sky-Wires and Inhalers" (Part 6) Transformers (Walter Lindenbach)  
 APR "Sky-Wires and Inhalers" (Part 7) What's a Decibel? (Walter Lindenbach)  
 MAY "Sky-Wires and Inhalers" (Part 8) One Low-Pass Filter Coming Up (Walter Lindenbach)  
 JUN "Sky-Wires and Inhalers" (Part 9) "Proof of the Pudding" for the Low-Pass Filter. (Walter Lindenbach)  
 JUL "Sky-Wires and Inhalers" (Part 10) SW and MW Stations Don't Mix – or Do They? (Walter Lindenbach)  
 AUG TRF-4 "Retro-Tech" Construction (Hal Bilodeau)  
 SEP Increase the Charging Current for the Yaesu VR-500 (Mort Arditti)  
 DEC Budget DX Crystal Radio, Part 1 (Dave Schmardeer)

#### ON THE HAM BANDS (Skip Arey)

JAN A Ham's Calendar: We Stand on the Shoulders of Giants; Dates by

Hams for Hams; 2010 ARRL Handbook for Radio Communications-Review.  
 FEB You Want It ... You Got It!; The MicroR2Receiver – Review; VRX-1 Receiver – Review.  
 MAR Hams Lead the Way: Podcasting, Social Networking, YouTube, Blogging; Good Ham Reading: Nifty E-Z Guide to D-Star Operation – Review; Twitter; So, where is this all going?  
 APR To QSL or not to QSL . . . That is the Question!  
 MAY Good Tech Never Goes Bad; The 2009 ARRL Periodicals on CD-ROM – Review  
 JUN June is a Great Ham Radio Month; Become a Professional Amateur (FCC Commercial Radio License Preparation Study Manual Review); A Shameless Plug.  
 JUL New Tricks for an Old Dog; Echolink; Designing Hams (The ARRL Antenna Designer's Notebook Review).  
 AUG A Ham Radio Camping Upgrade  
 SEP Back to School: Time to Upgrade, Learn the Code, Learn a New Mode, Hands on Learning, Learn a New Skill; Read Any Good Books Lately?; Book of the Month: The International QRP Collection.  
 OCT October is Full of Fun; Work While the Weather is on Your Side; Mobile Readiness, Too; Get Ready for Competition; Special Events; Plan for Winter Solder Melting; QRP Legacy.  
 NOV More Power to You: Amateur Radio Power Supply Alternatives  
 DEC Should Auld Acquaintance Be Forgotten: Back to First Principles (Yet Again); Speaking of Old Timers; Read a Good Old Book; Fine Old Radios; Heathkit Forever; Old Antennas; Fare Thee Well and Vaya con Dios!

#### PROGRAMMING SPOTLIGHT (Fred Waterer)

JAN Shortwave from Canada's Olympic City; Deutsche Welle Sports Report; United States – Sonny Side of Sports; Other Olympic Winners; SW from Canada's West Coast; Innovative Programming from Deutsche Welle; Learning by Ears – The Skills to Succeed in Today's Africa.  
 FEB The Golden Age of Radio: WWCR – The Golden Age of Radio Theater; WBCQ – Amos and Andy.  
 MAR Programming from the Emerald Isle; The Winter SWL Fest.  
 APR Touring Radio Taiwan International; RTI's brand new 30-minute webcast.  
 MAY Hooray for Hollywood; Social Media; Pick of the Month; What's New.

JUN International Coverage of Polish Tragedy; The National Association of Shortwave Broadcasters (NASB); Recommended Listening; What's New.  
 JUL Meandering through the 49 Meter Band; Alastair Cooke's Legacy; European Business Week – Deutsche Welle; And in other news . . . BBC's Family History page (Radio and Genealogy).  
 AUG The Brave New World of SW Listening (Programs on Demand); What's New?; Radio Sweden Leaving Shortwave; NASB 2010 Hamilton, Ontario; We Get Letters.  
 SEP The Magic of Radio; Local Radio Goes Worldwide; Children's Licensing?; Fred's Pick – Deutsche Welle-Hits in Germany; What's New: KBS World Radio-Happy Cooking and Healthy Living; Coming in September-Mark Lamar's Shake Rattle and Roll; Mr. Troloto.  
 OCT So Long to Sweden on Shortwave; Halloween; Thanksgiving, Canadian Style; Recommended Fall Programs; We get letters . . .  
 NOV Spotlight on Music; The Sounds of French Canada; What's New; Programming Advance Notice.  
 DEC Festive Programming Around the World; New Years Programming; The Modern Radio France International; What's New.

#### QSL REPORT (Gayle Van Horn)

JAN QSLing in the Year of the Tiger  
 FEB Who's on first and who's on the pole? QSL "Bytes."  
 MAR Castles and Winter Olympics.  
 APR Radio Prague . . . still going strong; RFE/RL adds Radio Mashaal to schedule; CQ Con Co Island; You asked for Unusual Entertainment.  
 MAY Calling All Hams and Shortwave Listeners.  
 JUN Radio Free Asia Releases Fourth Radio Pioneer QSL Card.  
 JUL Firecracker Special  
 AUG Nothing But QSLs  
 SEP September Brings DX  
 OCT QSLing the Unpredictable and Unlicensed.  
 NOV Fourteen Years and Counting  
 DEC QSLing the Close of 2010

#### RADIO RESTORATIONS (Marc Ellis)

JAN We Begin Recapping the BC-344  
 FEB Capacitors and Their Replacements: Mechanical/Fixed Capacitors; Checking Capacitors; Replacing Capacitors.  
 MAR The BC-344 Restoration Continues.  
 APR The BC-344 Fails and Unexpected Smoke Test; Some Reader Tips; A Speaker of the BC-344; The Unexpected: A Failed Smoke Test;

Troubleshooting; The 6R7 Open Cathode.

MAY The BC-344 Restoration Continues; More from John Stoll; Replacing Capacitors; Last Month's BC-344 Progress; Pressing On!; Needed – A Contraption.

JUN The BC-344 Speaks Again, However . . .; Left Over from Last Month; Good News and Bad News; Operator Trouble?; Troubleshooting Military Equipment; The MVC Audio Problem.

JUL Starting Out in Amateur Radio – 1920s Style.

AUG The BC-344 Operating Nicely: Stopped by an Old Phenomenon; Not a Problem After All; Getting Back to the IFS; The CW Oscillator Adjustment; The RF Oscillator Adjustments; Radio Frequency Alignment.

SEP Change of Pace: A Household Radio: Philco 38-62; From Our Readers.

OCT Starting up a Vintage Radio

NOV Another New Project: The Majestic Zephyr; Philco project discontinued.

DEC A First Look Inside the Majestic: Majestic History; A First look Inside; Safety Problem; Checking Tubes; Chat Room Lore: Treating Asbestos Sheets; Wholesale Cap Replacement; The "Discontinued" Philco 38-62 Project.

#### SCANNING REPORT (Dan Veeneman)

JAN Longing for the Simple Life; Radio Shack Pro-96; Monitoring 800 MHz; Albuquerque, New Mexico.

FEB Type 1 Trunking in Ontario; Fleet Maps; Orange County, California.

MAR Mastering the LTR Frequency Search; Rebanding.

APR What's the Frequency, Dan? Border Patrol (CA); O'Fallon, Missouri; Nassau County, New York; Milwaukee, Wisconsin.

MAY Buying Your First Scanner; Lake Tapps, Washington; Conventional Scanning; Trunked Scanning; Selecting a Scanner; Shelbyville, Indiana; Project Hoosier SAFE-T; Shelby County, Indiana; Dayton Hamvention.

JUN Oldies but Goodies; Merced County, California; Stanislaus County, California; Cellular Prohibition; Scanner Legalities.

JUL Looking for the Easy Button; Vernon Parish, Louisiana; NXDN; Christian County, Kentucky; Logan County, Kentucky; Belfast Area, Maine; Fast Food Monitoring; New Scanners from GRE (PSR-700/310/410).

AUG Keeping an Ear on the Weather: Scanning Weather; Specific Area Message Encoding; Emergency Managers Weather Information

Network; Local EMWIN Broadcasts; EMWIN via the Internet; Skywarn; Cary IL; MABAS.

SEP Understand the System; Understand your Scanner; Hawaii -- PACMERS; North Carolina – Smartzone and Omnilink; Pro-96 Software Tools.

OCT Scanning: A Moving Experience: Rebanded; Uniden BCD396T; Low Band; 10 Meters; Phoenix Update.

NOV OpenSky and Medical Dispatching; OpenSky; OpenSky Problems; OpenSky Overhaul; Albuquerque, New Mexico; Emergency Medical Dispatch Codes.

DEC Making Do with Tried and True; Tulsa, Oklahoma; Flagstaff, Arizona; Conventional Scanning of a Trunked System; North Arizona University.

#### SHORTWAVE GUIDE (Gayle Van Horn)

JAN English (24 hours); Spanish 2300; French 0000-2300 UTC

FEB English (24 hours); Portuguese 0000-1100 UTC

MAR English (24 hours); Portuguese 1200-2100 UTC

APR English (24 hours); Portuguese 2100-2300 UTC; Arabic 0000-1800 UTC

MAY English (24 hours); Arabic 1800-2300 UTC; Spanish 0000-0600 UTC

JUN English (24 hours); Spanish 0700-1500 UTC

JUL English (24 hours); Spanish 1500-2200 UTC

AUG English (24 hours); Spanish 2200-2300 UTC; French 0000-1900 UTC

SEP English (24 hours); French 1900-2300 UTC; Mixed - English Plus Other Languages (24 hours)

OCT English (24 hours); Portuguese 0000-1100 UTC

NOV English (24 hours); Portuguese 1200-2100 UTC

DEC English (24 hours); Portuguese 2100-2300 UTC; German 0000-1800

#### SKYSURFING

FEB HAM SATS: Working Your First Amateur Radio Satellite (Part 2). (Keith Baker)

MAR RADIO ASTRONOMY: Pulsars (Jeffrey Lichtman)

MAY HAM SATS: Working Your First Amateur Radio Satellite (Part 3) (Keith Baker)

JUN RADIO ASTRONOMY: Antennas for Radio Astronomy (Jeffrey Lichtman)

AUG HAM SATS: Working Your First Amateur Radio Satellite (Part IV) (Keith Baker)

NOV HAM SATS: How to Use Linear Amateur Satellite Transponders; Satellite Status Update.

#### UTILITY WORLD (Hugh Stegman)

JAN 600 Meters: Signs of Life; Japanese Fishery Radio.

FEB Japan Radio: Fishing for Facts; Improved Band Conditions?

MAR MARS Gets New Name and Mission; Utilities Inside Amateur Bands; Yet More Life on 600 Meters.

APR Israeli "Numbers" – A New 20-Meter Mystery (The E10 Enigma); Bye-Bye Loran-C.

MAY What's the World's Strangest "Numbers" Station? SK01; Star Star Radio Station; But the Winner is . . .

JUN The Strange Wierdness on 13420 and Other Stories; First Vietnamese Numbers; French Version of the "Russian Man;" Final HF FAX Corrections.

JUL Making Sense of ALE Addresses; SDO Sees First Light.

AUG Monitoring World Trouble Spots: E10 and Gaza Tensions; Korean Peninsula.

SEP Spy Bust Reveals Radio Intrigue; Translating Vietnamese Numbers; New Chinese Numbers Frequency; Quick COTHEN Survey.

OCT New Arctic NAVAREAs Promise Utility Catches; Korean Numbers Update; Russian Spy Update; COTEH Frequency Use Update.

NOV UVB-76: Is the "Dead Hand" Station Dead?; Unraveling the "German Coast Guard."

DEC Wired Radio: Using Remote Internet Receivers; UVB-76 Mystery Continues; German Water Police.

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

##### Books, CDs

JAN The 2010 ARRL Handbook for Radio Communications.

FEB QRP Romps; Free Ham Radio Publication; Ham Radio Award Program Publication; World Radio TV Handbook 2010 Review (Gayle Van Horn)

MAR NCVEC Releases New Technician Class Question Pool.

APR 2010 Beacon handbooks now available.

JUN Review of Domestic Broadcast Survey 12<sup>th</sup> Edition Review (Gayle Van Horn); South Carolina Upstate Scanner Guide.

JUL The ARRL Repeater Directory – 2010/2011 Edition.

SEP Antenna Designer's Notebook; 2010 Pirate Radio Annual; Remote Operating for Amateur Radio; Storm Spotting and Amateur Radio; The ARRL Field Day Handbook for Radio Amateurs; The ARRL RFI Book, 3<sup>rd</sup> Edition.

OCT FM Atlas, 21<sup>st</sup> Edition; NRC AM Radio Log.

NOV Axis Sally – The American Voice of Nazi Germany; 2010-2014 Technician Class Study Guide

### **Equipment**

FEB Radio Shack Pro-107 iScan Scanner; C. Crane CCRadio-2.  
MAR Iridium Unveils Smaller, Lower-cost Satellite Data Transceiver.  
APR Icom Releases a New Portable Receiver: IC-R6; AOR Introduces AR2300 “Black Box”  
MAY Jetstream JTPS30M DC Power Supply (Bob Grove)  
JUN A New Icom All-Around Rig (IC-9100 Transceiver)  
JUL MFJ-8310 Desktop / Mobile Scanner (Bob Grove); What’s New at Dayton: FLEX-1500, FLEX-VU5K, FLEX PowerSDR Software; Kenwood TS-590 Transceiver; Yaseu FTdx-5000 HF/6 meters transceivers, Yaseu VL-2000 amplifier; Alinco DX-SR8TE mobile transceiver, Two new Hendricks QRP Kits.  
AUG A Revolution is Coming Soon! Uniden HomePatrol-1™; MFJ-844 SWR/Wattmeter Review (Bob Grove); The ARRL Ham Radio License Manual, 2<sup>nd</sup> Edition; Understanding Basic Electronics, 2<sup>nd</sup> Edition; ARRL’s PIC Programming for Beginners.  
OCT New Milcom Log Periodic Now Available; SSB LAN-SDR.  
NOV Desk Top “Noise Away”; MFJ-1775 Rotatable Dipole; ADS-SRI Simplex Repeater.  
DEC CCRadio-EP AM/FM Portable (Bob Grove); C.Crane FT-007 Stereo FM Transmitter (Bob Grove)

### **Miscellaneous**

OCT New Narrowband Mode Released -- CMSK

### **Software**

JAN Scancat Lite-Plus.  
MAR Need Frequency Allocations Information? There’s an App for that!; New Version of Popular Logging Program: DXtreme Software™; Swift’s Weather Defender 1.1 Alerts Give Weather Enthusiasts an “Edge.”  
APR Interactive Police Scanner iPhone/iTouch App.  
SEP SpectraCyber Elite Software

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### HF Utility Monitoring

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## 2012 RADIO BUYERS GUIDE (13 Page Special in the November MT)

- MT's Guide to Buying a New Scanner By Larry Van Horn, N5FPW
- Taking Shortwave Listening to Another Level By Ken Reitz, KS4ZR
- The Quest for Power – "Keys" to Success and the Accessories of Life By Kirk A. Kleinschmidt, NT0Z
- Finding The Perfect Antenna (It's not that easy!) by Bob Grove, W8JHD

## REGULAR COLUMNS

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

JAN	The Great Equalizer How Tuners Make Life Easier (Dan Farber)
FEB	The Great Equalizer: Making Your Tuner Work for You (Dan Faber)
MAR	Air Band Antennas (Kent Britain)
APR	Up in the Air – Height Above Ground vs Antenna Performance (Dan Farber)
MAY	No More Excuses – Get Active on HF NOW! (Dan Farber)
JUN	Construct Super Wide Band Antennas (Kent Britain)
JUL	Vintage Antenna Systems (Dan Farber)
AUG	Antennas for AM Listening – Hint: It's Not a Beam (Dan Farber)
SEP	Six Antennas for 300 MHz (Kent Britain)
OCT	Active Antennas for Stealthy SWLing (Dan Farber)
NOV	Stealthy Little Vertical: The Chameleon V1 (Dan Farber)
DEC	Vintage with a Vengeance (Dan Faber)

### ASK BOB (Bob Grove)

JAN	Do I need a booster for my scanner; MFJ-1046 preselector and the new shortwave radio; What countries banned ham radio in WWII; Can a whip on a CB radio with a linear amp get warm? Crossed diode receiver overload protection myth; When to select filter bandwidths, passband tuning or noise blanker features on Icom R-75
FEB	Connecting an automotive battery charger; Ionsondes; Mounting a Grove Scanner Beam and Scantenna in parallel; Inverted L directionality; Why no SSB on 30 meters; Why my discone delivers poor performance to my handheld; A why buy a . . . question
MAR	LEDs and voltage polarity; Tunerless all-band dipole and impedance matching; Choices for multiband HF transmitting antennas; Security compromise of RFID chips and passport; Advantages to leaving equipment on all the time; How to find the source of power line noise; Does the US-Russian hotline still exist; Learning more about RDF online.
APR	Using an 800 MHz on VHF; Powering a 5 VDC device with 6 VDC; Who am I hearing from 4100-4300 kHz; Can I use more than one WiFi radio tuned to different radio stations; Using a degaussing coil as a NDB band antenna; Do photocells wear out;

	Do silent dog whistles work and their freqs; Wanted handheld ham rig for emergencies; Crystalfeeler antenna – quackery	transceiver as HF general coverage receiver; analog TV/FM antennas for digital reception; Grove scanners; Attic loop antennas; preamp placement on coax line; RG-58/U vs RG-6/U; lead-acid battery tester	Channels; VHF Marine Channels; Amateur Radio
MAY	Antenna System Questions; Radiated power to the antenna; 20 meter antenna for 15 meter transmitting; Tuning at lower power levels, higher SWR at high power; Low end antenna analyzer useful; Stack antenna configuration; Replacing the Uniden HP-1 stock antenna; Discone in the country.		AUG PLANES: Aero Frequencies: Clearance Delivery, Ground Control, Tower, ATIS, ASOS / AWOS, Unicom; TRACON Frequencies; ARTCC Frequencies; Airport/Facility Directory
JUN	SWR Variations; Digital Software Decoding/Collectible SW Receivers; Portables and 9/10 kHz spacing switch; Fiber vs cable; Future of AM IBOC/SW DRM; Tuner and RF power out antenna; Prevailing standard DES vs AES	<b>BELOW 500 kHz (Kevin Carey)</b>	SEP TRAINS: Passenger vs Freight and More Signals
JUL	Mobile scanner antenna for Uniden BCT15X; Weather broadcast recorded before magnetic tape; Audio synch and digital TV tuners; Future of satellite TV services; Changing the feed point of a random-length SW antenna; Poor general coverage receiver sensitivity on AM; Mobile mounted NMO antennas vs car wash; New scanners have close call; Antennas in restricted areas	JAN Celebrating Beacons Old and New; LF8A Mystery Solved	OCT BOATS: Easy Tools for Smarter Listening; Winter Monitoring Targets; North American Frequencies; Search and Rescue; Amateur Marine Radio; Local Activity; VHF; Maine Radio Historical Society; Email; Plasma Nightmare
AUG	Jamming in WWII; Analog scanners and freq above 470 MHz; Time signals on AM BCB w/Morse code ID; ANT-6 performance on 2-meters; Wanted - Simple handheld scanner; Austin Condor antenna performance; MJF-1020C performance	FEB Exploring Natural Radio: What you can hear and receiving gear; What's in My Bookmarks?	NOV PLANES: Aero Frequencies Part 2: VHF Company Frequencies; Domestic VHF Networks; AOC Message Content; 121.5 MHz; Flight Service Stations; 121.95-123.6 MHz; Airport FM Frequencies; Changing Technology; Yahoo Group
SEP	Operating 2 HF transceivers on 2 different bands simultaneously; Low-pass filter – before or after the linear; Yaesu ham transceivers as a shortwave receiver alternative; PAR End-Feed antennas as a sloper; TV impedance matching transformer and continuity between windings; Mag mount antennas for ham xmit/scanner receive	MAR The Aviation-Longwave Bond; Other LW Services; Whats Next? Mailbag and Loggings, End Notes	DEC TRAINS: Back to Basics: The Equipment; Finding Frequencies; Other Calls; Looking Good; System Architecture; Learning about Railroads; Fun with Names
OCT	Land Mobile Band Update (450-512 MHz); Replacement antenna for the Uniden HP-1 (Part Deux); How does Carbon 14 dating work; What is a Q-Meter; Grove/Ramsey PR2 improve reception; 400 foot wire loop vs the electric fence; use NiCd charger to charge NiMH bats; FM indoor directional antenna	APR Spring Chores; Learn LF Propagation – Free; mailbag and Loggings	
NOV	Linear amp by-pass; NOAA frequencies; Inboard vs Outboard DSP; Ham and public service HT combos; Nulling FM signals; Solar cycle mazimum flop; Defining RDS, SDR and DSP, and shortwave interference puzzle	MAY Opening Your Mail; Website Resource; European Broadcast; Loggings; Report from BC; Crystal Set DX; Rochester Hamfest	
DEC	Barbed wire fence antenna; Grove SPL01 splitter; Ham	JUN Top-End Talk: Who's On The Air? Other 500 kHz Users; Going Higher: Fishnet Beacons; This Month's Loggings	
		JUL Longwave in Retrospect; Web Resources; Loggings and the Future of NDBs	
		AUG Information for Free; Longwave Websites; Mailbag; Loran A – A Look Back	
		SEP Longwave Happenings; Remote Listening; New LW Station; Mailbag; Loggings; Natural Radio	
		OCT Taking the Mystery out of DGPS; I Heard SAQ Finally; VLF Antenna Option – Active Antennas	
		NOV Tackling an RDF: Project No. 1 – an RDF; Two Standout Websites; Mailbag	
		DEC The RDF 304: Digging Deeper: Faulty Capacitor(s)?; Firing It Up; Mailbag; Loggings	
		<b>BOATS (Ron Walsh), PLANES, (Iden Rogers) and TRAINS (Ernest Robt)</b>	<b>BROADCAST BANDSCAN (Doug Smith) (even months)</b>
		JAN BOATS: Listening as Winter Settles In; Amateur Radio Info; NAVTEX; Targets for Winter Monitoring; Interference; Dreaming of New Gear	FEB Keeping Record; “Un-disappearing” Station Re-disappearing; An Unusual Petition; Station Report
		FEB PLANES: References for Aircraft Listeners	APR We pause for station identification . . . ; FCC Proposes Changes to TIS; LPFM Restrictions Relaxed; Proposal to Refarm TV Spectrum
		MAR TRAINS: Gazing into a Murky Crystal Ball	JUN Radio, Dead or Alive; FM “Translator Stations”; Digital Radio: Dying in Canada; IBOC: Bad for DXers and Stations, too?; Radio on the Road; hello testing 1..2..3..4..; New Community Radio; Musical Chairs
		APR BOATS: The Benefits of Radio Monitoring; Marconi Marcom IV; Working Amateur Marine Stations; the Beginning Listener	Aug Clear-Channel Stations to Return; IBOC Interference: Good for DXers?; Scorecard; New AM station in Nashville; Digital TV DX; Mailbag
		MAY PLANES: Flight Delays and Stoppages	OCT Talk Radio, not just AM Any More; Dr. Bruce Elving Passes; Montreal 690/940; The End of the “FrankenFMs”; The Great Translator Invasion of 2003; Respect or Disrespect for the FCC; Mailbag
		JUN TRAINS: Train Symbols and Ballast Dumping	DEC Playing Around with the Carrier; Montreal 690/940; Frequencies Going Begging . . . ; Radio History; Arkansas Station Sued; New NRC Log; Mailbag Mysteries
		JUL BOATS: Becoming an RF Sleuth; South Carolina DX; Finding the Frequencies; Canadian Marine Frequency Sites; USCG Weather Broadcasts; HF Marine	
			<b>COMMUNICATIONS (Ken Reitz)</b>
			JAN <b>Amateur Radio/Shortwave:</b> Zimbabwe Police Seize SW Sets Ears to Our World W1AW Winter Sked

	<p><b>AM/FM/TV Broadcasting:</b> Canadian Radio Future Uncertain Are We Watching HDTV Yet? Whatever Happened to 3DTV? PTC: More Profanity in Prime Time <b>Satellite:</b> C-Band Programming Ends (Almost) AGs Looking at XM/Sirius Small Dish Victory over HOA <b>FCC Enforcement:</b> Verizon Fined \$25 Million for "Mystery Fees" FCC Gets Picky GPS Gaffes</p>		<p><b>Non-FCC Enforcement:</b> Dozens of NYC Pirates noted <b>Shortwave:</b> Radio Nord Revival <b>AM/FM/TV Broadcasting:</b> Last Chance to Log Canadian Analog OTA TV <b>Public Service:</b> NYPD Radio Still Not Tunnel-ready; TIS May Get New Life; National EAS Test <b>Satellite:</b> Russia Space Shambles; U.S. Space Shambles; Georgia Readies Sat-Tax <b>FCC Enforcement:</b> Miami FM Pirate Fines \$20K; QRO and Wrong Antenna - \$13K; CB Op Thumbs Nose at FCC</p>	<p>Limits to Kids; TV Consolidating / Cashing Out <b>Public Service:</b> PA Town Wary of Digital Upgrade; FL Paper Decries "No-Bid" Contract <b>Technology:</b> Georgia Tech Engineers find "Free" Energy; LightSquared/GPS Interference Shambles; JetBlue to offer LiveTV on Overseas Flights <b>FCC Enforcement:</b> Minnesotans Cited for Pirate AM Violations; Nevada FM Pirate cited for QRO</p>	
FEB	<p><b>Amateur Radio/Shortwave:</b> Radio Marti Tries Chat Show Approach; Shortwave Loses Four More <b>AM/FM/TV Broadcasting:</b> Arbitron: Radio Usage Up; College Radio Slumps <b>Internet/Smartphones:</b> Fears of Cell Network Collapse; FCC Lays Out Spectrum Changes; Companies Team-Up for Mobile TV <b>Satellites:</b> Russia Glonass GPS Disaster; Sirius Listeners Sentenced to 5 More Years; Spooky X-37B Returns; Rooftop Antennas to Determine Eligibility <b>FCC Enforcement:</b> Church Station without Staff: \$10,000; Chinese Co. Cited for Cell-Jamming Gear; Station Fined for not Reducing Power</p>	MAY	<p><b>Amateur Radio/Shortwave:</b> Hams React to Japan Quake; JJY Time Station Forced to Close Down; NIST Fumbles ARRA Bucks <b>AM/FM/TV Broadcasting:</b> Motley Fool: Radio is Dead; Thieves hit KSL Xmtr Site; Former FCC Chair Heads Big Cable <b>Satellite:</b> Stern Unhappy, Sues Sirius/XM; Sat-TV Customers Gripe to BBB <b>Public Service:</b> JFK Dead Zone for NYPA Police; Oregon Rethinks Radio System <b>FCC Enforcement:</b> Station Fined for Airing Ads as News; FCC Throws Book at Cal Pirate; More FM Pirates Rounded Up; Science Teacher's Revenge Backfires; Finally, Relief from Interference</p>	OCT	<p><b>Amateur Radio/Shortwave:</b> ARISSat1: Intro into Amateur Satellite; BBG Still Making Waves; RTI's New English Website <b>AM/FM/TV Broadcasting:</b> NY State Outlaws Radio Piracy; Translator Shenanigans; FCC Strikes down HOA Rules (Again); Canadian DTV Déjà Vu <b>Technology:</b> CD Disappears from Ford Dash; Navy vs Garage Doors; 5 GHz Devices Causing Radar Headaches <b>FCC Enforcement:</b> The Crystal Ship Sinks; Couple Blames Friend for FM Pirate Station</p>
MAR	<p><b>Amateur Radio/Shortwave:</b> New Amateur Radio Bill Introduced; K1MAN Ticket Referred to Judge <b>AM/FM/TV Broadcasting:</b> LPFM Bill Now Law; FCC to Move on OTA <b>Satellite:</b> DirecTV Fined Millions in marketing Missteps; OH Top Court: Tax the Dishes; DISH Raises Rates (Again); "Zombie-Sat" G15 Recovered <b>FCC Enforcement:</b> FCC Rounds up the usual CB Suspects; Cell Jammer Found at High School</p>	JUN	<p><b>Amateur Radio/Shortwave:</b> Deutsche Welle Announces Major SW Reduction; Hell Host Ham Program on TWIT; Radio Nord Continues MW &amp; SW Tests; DX Partyline Ends <b>Public Service:</b> Paper Asks PA to "Pull Plug" on P25 Network <b>AM/FM/TV Broadcasting:</b> FCC Tallies Broadcast Stations; FCC Commissioner Cashes Out <b>Satellite:</b> XM/Sirius Adds Diversity Channels - Plans Fee Hike <b>FCC Enforcement:</b> FM Pirate Busts Galore; Ham Fined for Freeband Operations; Seattle Man Charged with Fake Distress Calls; WEAK Radio Disappears</p>	NOV	<p><b>Amateur Radio/Shortwave:</b> Hams React to Irene; Scientists "Hear" Sunspots <b>AM/FM/TV Broadcasting:</b> FCC Lops Off Channel 51; CCTV Goes 24/7 in D.C.; Are You ready for a New TV Standard? <b>Public Service Radio:</b> Oakland Police Radio Problems; Piggy-backing on Motorola System <b>Satellite:</b> DISH, DirecTV Lay Their Bets; Space Debris = "Collision Cascade" <b>FCC Enforcement:</b> \$25,000 for Interference on Police Frequency; QRO FM, Two AM Pirates Tagged</p>
APR	<p><b>Amateur Radio/Shortwave:</b> BBC Budgets Slashed (Again); Long-time HCJB Host/Engineer Dies <b>Public Service:</b> Motorola System "In Shambles;" Open Sky has Political Repercussions; Oakland PD Radio Frustrations; There's an (Illegal) App for That <b>AM/FM/TV Broadcasting:</b> NY Bill Targets Radio Pirate; Dim-witted Thieves Steal FM Station <b>Satellite:</b> FCC: Ground-based Sirius/XM in Hawaii OK Sirius/XM Seeks Price Hike OK <b>Internet Communications:</b> Egypt Unrest &amp; Communications Questions <b>FCC Enforcement:</b> Non-coordinated Repeater Op Cited; More CB Busts</p>	JUL	<p><b>Amateur Radio/Shortwave:</b> Commando Solo on HF over Libya; BBG to "Sunset" Shortwave; RNW Budget Slashed (Again) <b>AM/FM/TV Broadcasting:</b> Cord-Cutters Growing/Shrinking?; States Gunning for Big Bird; PBS-TV Stations Cashing Out <b>FCC Enforcement:</b> CB Shop Cited for Amps and Mods; Beauty School Cited for Jamming <b>Amateur Radio/Shortwave:</b> BBC Cuts Offer Poor Trade-off; Push to Save RNW <b>AM/FM/TV/Cable:</b> LPFM Window to Re-Open; FCC Looks at Ad</p>	DEC	<p><b>Amateur Radio/Shortwave:</b> League Touts Ham Benefits to White House; HFCC Bets on a Multi-Platform Future; European Conference Highlights DRM; Trans World Radio's Big New Signal' Radio/TV Marti Texting Cubans <b>AM/FM/TV/Satellite Broadcasting:</b> Radiolab Host is MacArthur Fellow; FEMA/FCC Tips on ECOM; Supreme Court may look at State Dish Taxes; FCC to LightSquared: Not so Fast! <b>Public Service Radio:</b> Chicago's \$23 Million Radio Flop; Bus Drivers Clog Motorola System <b>FCC Enforcement:</b> Jammer Sellers Jammed; FCC Lowers 2 Fines, Increases 1; Jamming marine Channel 16: \$17,000</p>
		AUG		<p><b>COMPUTERS &amp; RADIO (Brian Wood)</b> JAN The Search for Extraterrestrial Intelligence</p>	

APR	Write Your Own Logging Program		Channels; EPA Radio Channels; Olympic National Forest; Mt. Rainer Update		DXing; Attached to the Loop; Shortwave Pirate Monitoring; CRI Strikes Again
JUL	DXLab Suite Software (Guest Reviewer Rick Kile, WA7BNG)	SEP	The Federal Integrated Wireless Network; Mt. Baker Snoqualmie national Forest Radio System; Umatilla National Forest; Mt. Hood & GPNF UHF Links Update	SEP	Want a Truly EZ-up Antenna? Try a 20 Foot Extension Ladder! Preparing for Everyday Emergencies
OCT	Shortwave Listening in Your Car			OCT	Radio Listening in a non-FiOS Home
<b>DIGITAL DIGEST (Mike Chace)</b>					
JAN	Digital Modes on the Air; Decoding Targets: CW Stations - Russian Intel Numbers Stations, Cuban Intel Numbers Stations, Russian Naval Warships and Bases, Baudot RTTY Stations - German Weather Service, CanForce Halifax, French Air Force, NATO Lisbon, Brazilian Navy; ASCII Stations - Bulgarian Diplo Service; Mil-188-141 ALE	NOV	2011 Fed Files Wrap Up: P25 Security Called into Question; Presidential Travels; Federal IWN Expansion Continues; Montana BLM and BIA Frequencies; North Central Colorado USFS Radio Systems	NOV	Low Profile TV Antennas and PC to TV; Amplified Indoor Antennas that Work; Phillips SDV2940 Amplified TV Antennas; Winegard SquareShooter SS2000; NetGear's PC to TV Solution; The Limits of "Unlimited"
FEB	UK Mil Ops and UnID "ECO" Net; Bulgarian Diplomatic Service	FEB	GRE PSR-700 (Bob Grove); SafeCeiver Mini-Scanner (Bob Grove)	DEC	Squeezebox Q&A and FiOS QRM; CBS Radio Disappears; FiOS Headaches
MAR	East Digital Listening - SITOR-A, SITOR-B, PacTOR-I/II/III.	MAR	Alinco DJ-11T Wide Frequency Coverage Scanning Receiver (Bob Grove)	<b>GLOBAL NET (Lloyd Van Horn)</b>	
APR	Egyptian Diplomatic Service HF Ops; One US Mystery Net Solved; Update on the ECO ALE Network	APR	GRE PSR-800 Review (Bob Grove)	JAN	What's Next for Internet Radio?; Pandora Targets Drivetime; One-Stop Shop for Audio; Streaming Audio on Your Mac; Build the Next Streaming App; GlobalNet Mailbag
MAY	Bits and Pieces: RTTY "in the clear?"; French Forces ARQ-E3 Transmissions; Dominican Navy; Bulgarian Diplomatic Service; Sudanese Diplomatic Service; Possible French Diplomatic Net	MAY	Going QRP with an SDR - the FLEX-1500 HF+6 Part 1 (Kirk Kleinschmidt)	FEB	Doing it for the Troops; IOS Radio Apps Reviewed; GlobalNet Goes Social
JUN	Update on Codan Network: Maltese Forces Maritime Service; Unid Codan Network; Moroccan MOI Codan Network; ECO Net Solved; UK Mil MATELO Returns	JUN	FLEX-1500 SDR Transceiver Review Part 2 (Kirk Kleinschmidt)	MAR	The Sounds of the Skies, Online; Eyes and Ears on the Sky; United in the Search for Streams; Toyota puts Pandora in their Cars; GlobalNet Mailbag; GlobalNet Stream of the Month; GlobalNet goes Interactive
JUL	Mauritanian Police and other Oddities; French Air Force ALE; The Strange Case of the Sudanese Diplomatic Service	JUL	DXLab Suite Software (Guest Reviewer Rick Kile, WA7BNG); DPD Productions ADS-B Vertical Antenna (Larry Van Horn); MFJ-260C 300 Watt Wideband Dummy Load (Bob Grove); Midnight Science Ultrasonic Dish (Bob Grove); MFJ Lapel-Style Speaker/Microphone (Bob Grove)	APR	The Digital Voice of the People Aljazeera; The Great Mobile Push; Reciva Remote App; Blog and Podcast Update
AUG	Russian Diplomatic Traffic; SPO and friends: Another Mystery	AUG	Apple TV - Let it change your life (Lloyd Van Horn)	MAY	Tweak, Pops and Chirps . . . Online: Jovian Storm Chasing, It's Raining Meteors, Pulsars, black holes and sferics, oh my!; The broader picture - radio astronomy; GlobalNet Mailbag
SEP	Another Mystery PacTOR Network; Update on US NS/EP ALE Network; US Navy Fleet Broadcast Update; Canadian Forces Using STANAG 4825	SEP	MFJ-886 Pocket-size Frequency Counter (Bob Grove); MFJ-266 Antenna Analyzer (Bob Grove)	JUN	Breaking News, Online; Streaming Radio - Voice of the People; Streaming Receivers: It's like you're there; Scenes from the Scene
OCT	Automatic Link Establishment: More Three Letter Net Developments; PacTOR-IV is Here!	OCT	The Poor Man Investigates . . . the World's Worst World Receiver? (Eric Bryan)	JUL	Tracking the Tropics Goes Digital; Getting storm data - Where is the action? The sounds of storm; Nonbroadcast Sources; Internet Radio Changes
NOV	New Digital Signals: New 4 Tome Modem' Finnish Diplo Service Returns to HF; Sudanese Diplomatic Update	NOV	Sangean ATS-909X Multiband Portable Radio (Bob Grove); JetStream JTPS31MB Power Supply (Bob Grove); Jetstream JTPS28 13.8 VDC PS (Bob Grove)	AUG	Sunshine Radio: Hot Florida Action; A smartphone isn't a scanner, right?; Is a smartphone the new walkman?
DEC	Ecuador's Naval HF Network; Australian Mil Follow-Up	DEC	WiNRADIO G33DDC Excalibur Pro (Bob Grove)	SEP	You Can Take it with You: Internet radio's great mobile push
<b>THE FED FILES (Chris Parris) (odd months)</b>					
JAN	2011 Fed Files New Year; CBP Office of Air and Marine; Federal Close-Up - Mt. Hood National Forest; Charlotte, NC Federal Frequencies	JAN	Beginner HF Protocol Part III: QSL those Contacts	OCT	The Great Shortwave Migration - Shortwave still surfing online; Survey says . . . ; Sirius 2.0 - What it means for Internet radio
MAR	TSA Expands Its Reach; Gifford Pinchot National Forest; CBP Border Patrol in Arizona; Super Bowl XLV	MAR	Whatever Happened to TVRO?	NOV	Clearing out the GN Mailbag; Aero Listening; Apps for Computers; ooTunes; Ear on Florida Weather; News Flash concerning Flash; New Airplay Devices Hit the Market
MAY	Scanning Super Bowl XLV; New Nationwide ICE Channels; Mt. Rainer National Park.	APR	Return of the Portable TV		
JUL	Final Four Federal Activities; Department of Energy Radio	MAY	The Joys of Ten (10-meter ham band profile)		
		JUN	Loop Your Way to HF DX Success		
		JUL	Mobile Shortwave Listening Alternatives - Old and Current Mobile Alternatives		
		AUG	Postscripts and Addenda: Sirius/XM Settles Lawsuit; TV/FM		

DEC 2011 – A Banner year for Internet Radio; Smartphones and In-Car Systems; Coming up in 2012; The Tides are Turning; DX Challenge or Content?

**MILCOM (Larry Van Horn)**

JAN Monitoring the Air Route Traffic Control Centers; ARTCC Update; Atlanta ARTCC RCAG Frequency List

FEB HFGCS – Always Ready . . . Always On! USAF AMC Global – Global Command Net, Global ALE/DSN Gateway Net, Global Black or NIPRnet, Global Red or SIPRnet, Mystic Star Net, SITFAA, DCS HF Entry Net

MAR Monitoring the Air Show Experience – Equipment and Tips; DoD VHF High Band – The Hidden Aircraft Band

APR On Base Air Show Coverage Charleston AFB/International SC; Seymour Johnson AFB NC; Beale AFB CA; NAS Corpus Christi TX; JRB/NAS Fort Worth TX; MCAS Beaufort SC; Civil Air Patrol Reorganizing HF ALE; Kentucky CAP Call Signs

MAY CAP Sprouting Up Regional Nets; Milcom Air Show Military Base Profiles: Andrews AFB, NAS Pensacola, NAS Whiting Field, NAS/JRB New Orleans, Langley AFB; US Army MARS ALE Going Regional

JUN Something New in Monitoring Military: Mode-S/ADS-B Introduction

JUL Australian Military HF Network Complete; New HF Military/Government Nets: Lithuanian Military, Maritime Services of the Armed Forces of Malta, US Army NG 875<sup>th</sup> Eng Battalion/43<sup>rd</sup> WMD-CST, US Coast Guard Auxiliary, US Government Networks (Agencies Unknown); CAP Regional Nets; Military Frequency Changes; Milcom Air Show Base Profile: Travis AFB

AUG Navy Training Wing Update; Milair Frequency Updates; New Pacific Metro Frequency; CanForce HF NAWS Mode Change; Coast Guard Air Miami Bids Farewell to the Jet Age

SEP Monitoring the Military on COTHEN plus a Milcom Extra: US Customs and Border Protection Air and Marine Branch Aircraft Assets List

OCT Base Profile: Columbus AFB, Mississippi; Civil Air Patrol Repeaters: California and Texas

NOV A Profile of Edwards AFB – Aircraft from Concept to Combat

DEC Is the HF Radio Spectrum Really Dead? A Special Radio Frequency List for the Holidays: US Government/Military HF Freqs

**ON THE BENCH**

JAN Budget DX Crystal Radio, Conclusion Components and Construction (Dave Schmarder)

FEB How to Cook a Duck (Device Under Caloric Kinesis) (Walter Lindenbach)

MAR Salvaging California Amplifier Downconverters for Satellite Usage (John M. Franke)

APR Cheap DIY Solar Power for your Radio (Ben Jandrell)

JUN Building a Simple Ham Radio Project (Dave Schmarder, N2DS)

JUL Those Weird Noises on 1090 MHz (Larry Van Horn)

AUG Mode-S – IFF for the 21<sup>st</sup> Century (Larry Van Horn)

SEP Mode-S and the Message Squitters (Larry Van Horn)

OCT The Future is Now for Mode-S Monitors (Larry Van Horn)

NOV Handy Video Tuning Tool: Your Wireless Camera (Mario Filippi, N2HUN); VHF Audio/Video Transmitter (Raj. K. Gorkhali – Hetauda, Nepal)

DEC Restoring the Knight Star Roamer (Mark Haverstock, K8MSH)

**ON THE HAM BANDS (Kirk Kleinschmidt)**

JAN Paradigm Shift; Visual Aids – Then and Now

FEB The Right Antenna Tuner for the Job; One Size Doesn't Fit All; The truth About Tuners; Tuner Efficiency

MAR Coaxial Confessions; HAM2011.03.4 K4AVU2 Crimper

APR One Loop to Rule Them All; Horizontal Loops=Superior SWLing; The Source of My Loopiness; Building Horizontal Loops is Easy!

MAY Horizontal Loops – The Sequel

JUN Portable Power for Field Day and More!

JUL Affordable High-Tech Test Equipment; Q&As: Antenna Tuners; Q&As: Loop Antennas

AUG Six Meter: Stealth, QRP and Newbie Friendly!

SEP The Magic Band: More Mysterious Than Ever!

OCT The Old-School Performance of Open-Wire Line

NOV The Right Rotator for the Job: The Basics, Installation Types, Performance Specifications; Control Boxes and Accessories, Rotator Secrets

DEC Anniversaries, Interference and Spicy Coax: Ubiquitous Interference; Who's responsible for interference?; Clean up your own act; transmitter-related RFI; RFI: A Guaranteed Eventuality; Squirrel Chews From KK

**PROGRAMMING SPOTLIGHT (Fred Waterer)**

JAN Programs to Warm Your Heart: Orthodox Christmas, Scotland

FEB the Brave, Live and On demand, Podcasts, the Scottish Diaspora, Rocky Fortune, What's New.

FEB Cold Wings and Warm Sounds: Cuba, Gabon, Nigeria, South Africa, Australia, New Zealand; Hail, Fenwick; What's New – Voice of Russia; Programming Advance Notice.

MAR March Delight; the Migration to the Internet; Rest in Peace, Carl Watts; The Story of Pop; Hits in Germany; The New Capitalists; Food, Glorious Food; Programming Advance Notice

APR China Radio International; Radio Exterior de Espana English; Speaking of Larry Wayne . . . ; Russian-language Programming; Mmmmm, Leftovers; Radio Netherlands Program Guide

MAY Radio in Times of Crisis; Radio Prague; Radio Slovakia International; Swedish Radio International; HCJB; Recommended Listening; What's New?

JUN I Love It When You Talk Nerdy; News You Can Use; What's New

JUL Change is in (and on) the Air; Talking to (and about) Americans; How Important is radio?; Recommended Listening – Desert Island Discs

AUG Take Me Out to the Ballgame; Classic Comedy and New Laughs; Pirate Radio Ship Nostalgia

SEP Around the World in 80 Armchairs; Milestones and Memorable Moments

OCT Don't Look Over Your Shoulder . . . ; Halloween Programming; The Anachronistic and Unusual; Spotlight on the Economy

NOV New Programs and News Programs: New Flags Flying; Old Time Radio Shows; More Unusual Programming; News at it Happens, Sort of . . .

DEC My Favorite Season in Radio: Seasonal Fare; Internet-Based Radio Stations; The New Year Arrives; What's New

**QSL REPORT (Gayle Van Horn)**

JAN QSLing Comes to your Smartphone

FEB QSL Mix-Allot, Part 1

MAR QSL Mix-Allot, Part 2

APR Old Favorites Still Active!

MAY Special Event QSLing in Amateur Radio

JUN Radio Free Asia 15<sup>th</sup> Anniversary

JUL Firecracker Special 2011

AUG Palace and Lighthouse QSLing

SEP Ready for the medium wave season?

OCT Chainsaws, Ouija Board and Morak (Pirate Radio)

NOV New Stations, New Website, New QSLs

DEC Holidays and QSLing

**RADIO RESTORATIONS (Marc Ellis)**

JAN A Philco and Magnavox Joint Restoration  
 FEB A Face Lift for the Philco; An Alignment for the Majestic  
 MAR Reader Mail and More Philco Progress  
 APR Realigning a Superhet  
 May The Philco's Voice is Heard  
 JUN Wrapping up the Philco Project  
 JUL The BC-1206-C Beacon Receiver  
 AUG Power for the BC-1206-C; The AWA Gateway; Coming Soon: the Annual AWA Convention  
 SEP Firing Up the BC-1206-C  
 OCT Introducing a New Project; Resurrecting a Garage Sale Find; Unfinished Business; Meissner Kits; The Broadcast 7  
 NOV Addressing the Meissner Mystery  
 DEC Picking Up the Thread: Tube Checking and Recapping; Smoke Testing; A Voice from the Speaker; From the Readers

**SCANNING REPORT (Dan Veeneman)**

JAN Dragged Into the Digital Age: Itasca County, Minnesota  
 FEB Operating the Pro-106/PSR-500; Minden Parish, Louisiana; Louisiana Wireless Information Network; Radio Shack Pro-106; VIPER Clarification – Smartzone and Roaming  
 MAR Easing In and Out of EDACS; Mobile, Alabama profile; OpenSky Closes Out Public – Stueben County, Indiana  
 APR Scanning in the Heartland – Lincoln, Nebraska; Omaha, Nebraska; Clay County, Minnesota; Fargo-Moorhead Services; ARMER  
 MAY Finding Elusive Public Safety Frequencies: Idaho; Dayton Hamvention  
 JUN Steps in the Wrong Direction: Kansas; Steuben County, Indiana; Decoding APCO-25 Encryption – Not!  
 JUL Selecting a Scanner for Syracuse; Eliminating Programming; Batteries; Stands; Onandaga County, New York; Dispatch Codes  
 AUG The Open Sky Misnomer; Palm Beach County, Florida; West Palm Beach, Florida; Testing Open Sky; West Palm Beach Motorola System; Kanawha County, West Virginia; West Virginia Interoperability Radio Project (WVIRP)  
 SEP Keeping Up with Upgrades: Huntington, WV; USB Cables; Pro-106 Firmware; Scanner Software; West Virginia Interoperability Project; Verbal Shorthand; Derry, New Hampshire  
 OCT Security Problems with Project 25  
 NOV The Truth about Encryption: Washington DC, Jacksonville FL; Media Relations, Impacts to the Community, Related

Constitutional Issues, Practical Issues, Cracking Keys, Key Management

DEC Scanning through the Decades: From Crystals to Synthesis

**SHORTWAVE GUIDE (Gayle Van Horn)**

JAN English (24 hours); German 1800-2300 UTC; Arabic 0000-1900 UTC  
 FEB English (24 hours); Arabic 2000-2300 UTC; Chinese 0000-1000 UTC  
 MAR English (24 hours); Chinese 0600-2300 UTC  
 APR English (24 hours); Spanish 0000-0800  
 MAY English (24 hours)  
 JUN English (24 hours); Spanish 0900-1700  
 JUL English (24 hours); Spanish 1700-2300  
 AUG English (24 hours); Portuguese 0000-0900  
 SEP English (24 hours); Portuguese 0900-1300  
 OCT English (24 hours); Portuguese 1300-2200  
 NOV English (24 hours); Portuguese 2300-2359; French (24 hours), Arabic (0000-0800)  
 DEC English (24 hours); Arabic (24 hours)

**SKY SURFING (Hamsats-Keith Baker / Radio Astronomy – Stan Nelson)**

FEB HAMSATS: Get Ready for ARISSat-1!  
 MAR RADIO ASTRONOMY: Listen Up, Sky Surfers!  
 MAY HAMSATS: Manned Space and Amateur Radio  
 JUN RADIO ASTRONOMY: ACARS; Satellite Monitoring; Inexpensive 12 GHz Radio Telescope; Radio Free Zones; Society of Amateur Radio Astronomers (SARA); Radio Astronomy at the Movies  
 AUG HAMSAT: Spotlight on the Japanese Amateur Radio Satellites; AO-51 Also Ailing; ARISSat-1 Update  
 SEP RADIO ASTRONOMY: Sudden Ionosphere Disturbances: RAS 40 kHz VLF Radio Telescope; An Inexpensive VLF Receiver; Another way to measure a SID?; A Dual Jove Receiver Simple Interferometer; Radar shoots down UFOs during WWII?; Visiting NRAO's EVLA – Part 1; Radio Astronomy in the Movies  
 NOV HAMSATS: Spotlight on AMSAT-OSCAR 7; ARISSAT-1 Update  
 DEC RADIO ASTRONOMY: Visiting NRAO's EVLA – Part 2; Observing the Sun's Radio Spectrum; SDR-14 in Operation; National Radio Astronomy Observatory; RAS-VLF-1; Radio Astronomy in the Movies

**TO THE EDITORS (Rachel Baughn)**

JAN A New face for the Ham Bands; Antenna Buyers Guide No Service; Cannabis or Can 'a Worms?  
 FEB More Power to You; Digging for Discones; Old Times Radios; Antique Radio Classified  
 MAR MT Welcomes New Writers: Stan Nelson, KB5VL and Kent Britain, WA5VJB; Thanks, MT! Shortwave on Facebook? Shortwave on Streaming Audio; Internet Radios  
 APR The Lighter Side of Radio; Iceland vs Greenland; Grundig 750 Critique; Three Questions for Mike (Frye)  
 MAY Milcom Blog Hits the Bigtime; Help Preserve Ute History; Cook a DUCK; Mast Material; MT at 30 Years  
 JUN A Window to the World; Free to Air; Additions and Corrections  
 AUG Digital TV Audio?; China and Russia; One More Museum  
 SEP Tell US About You; More Museums; Robert Arnold Coburn (SK) plus the MT 2011 Reader Survey (Page 5)  
 OCT Pizza Pan Antennas? More on Mobile Shortwave; Farewell to Friends (SK): Nada Byers (Grove Employee) and Dr. Bruce Elving  
 NOV Aircraft Receiver Project; Kudos to MT; Even More on Disc Antennas; Soldering to Aluminum?; Digital TV DXing; Apocalypse Now??  
 DEC Bell+Howell Loggings; Memories of Radio; Front Row Seat; Pictures from Space; Ham App; Sangean DAR-101 Review; MT Corrections

**UTILITY WORLD (Hugh Stegman)**

JAN Canadian Navy Closes CFH WEFAX/RTTY; North Atlantic Ice Season Begins.  
 FEB What's Up with Solar Cycle 24? WebSDR Update; Thailand Radiofax Lives!  
 MAR HF Aero Mobile: A Breathless Introduction – MWARA, RDARA, LDOC and Volmet; We're on Twitter  
 APR The World's Most Accurate HF Radiofax List; CanForce Halifax Corrections; FEMA Update  
 MAY 2011: Sunspots, Trouble Spots and Radio: Libya, Egypt, CW is Alive #1 and #2  
 JUN E10: Israeli "Numbers" Broadcasters Gone!; Chinese Strangeness; Vietnam Back? Libya Update; Chilean Early Warning Center; Japan Update; Russian Military  
 JUL Recent Short Wave Military Activity; End of WWV GeoAlert  
 AUG More Changes at CFH; Arcane Military Transmissions?; Finding STANAG 4285; Decoding STANAG 4285

- SEP In Search of UVB-76; WWV  
Geoalert Lives! ONEMI Update;  
CFH Update; EN875TOC Update
- OCT It's Halloween: October  
"Numbers" Survey; Still Stalking  
ONEMI; Meet PacTOR IV
- NOV WLO Begins Public RTTY  
Broadcasting; Vietnam Mystery  
Deepens; Hurricane Frequency  
List?
- DEC Here Comes the Sun: HF is  
Back!

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

#### **Books, CDs**

- JAN The 2011 ARRL Handbook for  
Radio Communications; ARRL  
Guide to Antenna Tuners
- FEB 2011/2012 Guide to Utility Radio  
Stations (Bob Grove); Scanner  
Digest e-zine
- MAR Klingenfuss 2011 Shortwave  
Frequency Guide (Gayle Van  
Horn); 2011 World Radio TV  
Handbook (Gayle Van Horn)
- APR WRTH Bargraph CD Now  
Available; Hitter's Radio War
- MAY New edition of Low-band DXing  
(ARRL pub); ARRL License  
Manuals Revised; Police Traffic  
SPEED RADAR Handbook
- JUL ARRL Repeater Directory;  
Domestic Broadcasting Survey  
13
- OCT Is My Cell Phone Bugged? 2011  
Pirate Radio Annual
- NOV New Dictionary for Hams; NRC  
AM Radio Log; ARRL's Small  
Antennas for Small Spaces;  
Tower Site Calendar 2012  
Celebrates 90 years of Radio
- DEC The Worldwide Listening Guide

#### **Equipment**

- JAN Microham Digikey II Digital Mode  
Interface
- AUG Elecraft KX-3; MFJ-9200 six  
band QRP transceiver; WinRadio  
WR-G33DDC; Hygain SPT-500;  
MFJ-2299 20-meter antenna
- OCT Bonito IF-Receiver Radiojet  
1102S Debuts in Europe
- DEC New Comet Antenna Analyzer;  
SolderBuddy® Hobbyist HAM™;  
West Mountain Radio Rigblaster  
Advantage

#### **Internet/SmartPhone Apps**

- JUN Aircraft and Ship tracking Go  
High Tech: Plane Finder/Ship  
Finder (Pinkfroot)

#### **Software**

- APR New JT65A Ham Software
- AUG AirNav Live Flight Tracker-8  
Released; SSB Electronics  
Perseus SDR software engine  
V4.0a; New Icom receiver  
Software Update Released
- SEP HomePatrol-1 The New Extreme  
Version
- DEC DXtreme Station Log –  
Multimedia