

# Monitoring Times 1994 INDEX

## FEATURES:

### Broadcast:

A Journey to Morocco May  
 Bolivia: Radio Under the Gun June  
 Broadcasting Battlefield, Colombia Dec  
 Chile: Land of Crazy Geography April  
 Deutsche Welle Aug  
 European DX Council Meeting Aug  
 First Year Radio Listener May  
 Flavoradio - good emergency radio Nov  
 FM SubCarriers Sep  
 KNLS Celebrates 10 Years Dec  
 No Satellite or Cable Needed July  
 Radio Canada International April  
 Radio Democracy Sep  
 Radio France Int'l/ALLISS Ant Nov  
 Radio Gambia May  
 Radio Nacional do Brasil Feb  
 Radio UNTAC - Cambodia Oct  
 Restructuring the VOA Sep  
 Riding High with the Cowboys Oct  
 Shortwave Broadcasting in Haiti July  
 So You Got a New SW Receiver Jan  
 The Dominican Republic Feb  
 U.S.-Cuba Broadcast War Oct

### Human Interest:

Aggressive Motorola Stance Nov  
 A Guiding Force: Harry Dannals March  
 A Real Old-Timer Remembers July  
 An Old Pirate—Sarah—Blown Away Jan  
 CB - Radio for the People July  
 D-Day: Day of Discovery Jun  
 Fifth Anniversary MT Convention Dec  
 Kuwait: Mission Impossible Dec  
 LAPD: You Better Stay Home Feb  
 Listening in the Dark May  
 Reading, 'Riting & Radio Sep  
 Repercussions From Cal Quake April

### Nostalgia:

The Medium IS the Message: Feb  
 1st DX Program

### Scanning:

Air Show: Triumph to Tragedy Aug  
 Atlantic City Aero Monitoring May  
 Dayton's Aviation Extravaganza June  
 Flight Test Communications Jan  
 Gathering Comm Intelligence June  
 Military Low Band Sep  
 Monitoring Space Shuttle Comms Mar  
 Monitoring the Prez July  
 Radio Shows its True Colors Aug  
 Scanning the Big Railroads April  
 Scanning Garden State Pkwy, NJ Feb  
 Scanner Strategies Feb  
 Scanner Tips & Techniques Dec  
 Spy Catchers: The FBI Jan  
 Topgun - Navy's Fighter School Mar  
 Tuning In to a US Customs Chase Nov  
 Video Scanning Aug  
 Waiting in Juneau Sep

### Technology and Technical:

After the Shock July  
 Countdown to the Crash June  
 Life with Satellites Jan  
 Microwave Monitoring Feb  
 Microwave Monitoring—Build an March  
 INMARSAT System  
 LF - The Last Frontier Nov  
 Monitoring the Military's Satellite Communications Aug  
 OptoScan 456 (Review) Oct  
 Radio in Cyberspace Nov  
 Secret of Nimbus (satellite sleuth) April  
 So You Got a New SW Receiver Jan  
 The Spectrum Analyzer May  
 Zap Proof Your Radio Room June

### Utilities:

Drugs, Spies, and Numbers Oct  
 Scanner/SW Networking May

### AMERICAN BANDSCAN

JAN WWYZ-FM 92.5 Connecticut  
 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

## ANTENNA TOPICS

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  
 JULY Strategy, OMEGA update  
 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 SITOP  
 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; Weiner/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 FCC 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 Shortwave	Aug
Beyond Police Call	June
BEX Electronics	Aug
Build Your Own SW Antenna	Sep
C Crane Catalog	Aug
CAN-DO Video Series	Dec
CB 101 (video)	Dec
Clandestine Survey	Sep
Commonsense Medicine and Emergency Companion	Feb
Communications Receivers	May
Communications Technology Update	Nov
County Scanner Talk	Feb
Course in Shortwave Listening	Aug

Covert Catalog	Aug
Crystal Set Handbook	Sep
DXpedition Handbook	Sep
DX Propagation for Beginners	Nov
Electronic Gateway	Sep
Fisher Newsletter	Aug
FM Atlas 15th Ed	April
FMedia!	Oct
Frequency Almanac	Aug
General Class License Book	Dec
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 Stations	April
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 Book	May
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 Directory	May
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 You	July
Phone Pirates	Feb
Pirate Radio Directory	July
Pocket Frequency Guide	Aug
Police Call Radio Guide	1994 Jan
Pop Went the Pirates	June
Power Up!	March
Practical Antenna Handbook	Aug
Quebec Scanner Guide	Aug
QST Magazine	Aug
Radio After Dark (tape)	Nov
Radio Amateurs Guide to the Ionosphere	April
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
Omicron 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

# Monitoring Times 1995 INDEX

## FEATURES:

### Broadcast:

A Logical Future for Shortwave	Sep
Argentina: Radio with a Past	Jan
BBC Atlantic Relay Station	May
Brazilian Voices on SW	Mar
Eq. Guinea: History & Mystery Oct	
Independent SW BC in Canada-I	Apr
Part II	May
Kol Israel: Changing Strategy Jun	
Mediumwave Mini-DXpeditions	Jul
"Miraculous" Reception? (MW)	Apr
OKC: The Radio Aftermath Jul	
Radio in Botswana	Feb
Shortwave in Latin America	Aug
Shortwave History in S. Africa	Nov
Swiss Radio International	Dec
The Course of Int'l Broadcasting	Jan
VOA's Moroccan Relay	Sep

### Human Interest:

Bletchley Park, WWII code-breakers	Dec
Hooked on Scanning	May
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
Edison, NJ, Gas Explosion	Mar
Emergency 9-1-1!	Sep
15 Mistakes in Buying a Scanner	Nov
Informed Scanning	Dec
Project 25: Scanner Lockout?	Jul
Scanning at the Airport	Sep
Scanning Beautiful Bermuda	Jan
Scanner Collecting Primer	May
Scanning Kilauea	Aug
Shadowing Houston's Traffic	Feb
Trunking: Listeners Keep Pace Oct	
Trunked Scanning Laws	Nov
Try Searching	May

### Technology and Technical:

Antenna Grounds	May
Antenna Location: Fact & Fiction	Apr
Backbone in Your Dipole	Mar
Earthquake Monitoring (EMF sensor) Aug	
Elements of Antennas Selection	Mar
Exorcising Computer RFI	Feb
FM-10 Review	Jun
FM Kit / ICOM R71 remote system	Jun
Man v. Static	Oct

## Modern Receivers: How we got here

Propagation Modes	Nov
	Oct

### Utilities:

GHFS: MacDill AFB	Feb
Greenpeace High Seas Drama	Dec
MT Goes Inside NORAD	Nov
Sailing Through the Ham Bands	Apr
SAREX: Astronauts on ham radio	Mar

### AMERICAN BANDSCAN

JAN	Listen in on Remote Broadcasts
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?
AUG	Who was on first?
SEP	Tower-Hunting Tips
OCT	Mobile Dxing
NOV	Recording Your DX
DEC	DX Tests - what, why, and when?

### 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 Newslite, 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 bcasts 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

#### SATELLITE TV

JAN Trade-offs - Choosing a System  
FEB World Radio Network  
MAR World TV for Newshounds  
APR X\*press Information is Ingenious;  
AMSAT 3-D freqs; WRN; KJAZ  
MAY TVRO Shopping via  
Satellite; Russian RS-15; Digital  
Audio Radio Service; Equip needs  
for Inmarsat/Wxsat, & SCPC  
JUN World Sat Yearly review; SCPC on  
18" dish? Minimum equipment  
requirements for SCPC  
JUL Peaking Your Dish  
AUG View from Europe, European  
experimenters; AMSAT news;  
Ingenius update  
SEP Rebroadcast audio thro your  
house with FX Wave; DMX  
update, New Old Stock supplier,  
sat talk shows, BBC news feed;  
satellite  
predictions  
OCT Ethnic Programming; BBC feed;  
Bloomberg on Ku; DigiCipher rcvrs  
delayed, etc.  
NOV 1995 World Satellite Almanac;  
industry news  
DEC SCPC On a Budget

#### 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; Qualcomm 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

TV/public safety; list of cell  
restorable scanners  
SEP Equipment TLC; cellular banned in  
hospitals  
OCT Trunking; Briefcase Satellite; Laser  
Guns; New Opto Scout  
NOV How to scan during the holidays;  
TV audio freqs; CB channels;  
allocation rules & regs  
DEC Alive and Well - good December  
scanning freqs; antenna heights;  
Tulsa, Okla., case

#### 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	

Philadelphia, PA (DEA) Oct  
Pittsburgh, PA Nov  
Potter Co., PA Mar  
Scranton, PA May  
Wilkes-Barre, PA Feb  
Beaufort, SC Sep  
Darlington, SC Jul  
Dorchester Co, SC Jun  
Mt Pleasant, SC Feb SASE  
Newberry, SC Sep  
Spartanburg, SC Apr  
Clinton, TN Dec SASE  
Alamo, TX Sep  
Laredo, TX Jul  
Tooele, UT Oct  
Arlington, VA Jul  
Emporia, VA Jun  
Fairfax, VA Aug  
Virginia Beach, VA Sep  
Burlington, VT Aug  
Woodstock, VT Dec  
Green Bay, WI Dec  
Tomah, WI Jan  
Wheeling, WV Mar

#### 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/Jun  
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:

Aeronautical Freq Directory (#3)	Aug
Air-Scan #6	May
Amateur Hambook	Apr
Amateur Radio Almanac	Apr
Amateur Radio Encyclopedia	Jan
Amateur Radio RV Antennas	Sep
AM Radio Log	Jan
AM Radio Logbook (NRC)	Dec
Antenna Factbook	Jul
ARRL Antenna Compendium	Jun
ARRL Handbook	Jan
ARRL Intro to RF Design	Sep
ARRL Operating Manual	Aug
ARRL UHF/Microwave Projects	May
ARRL Radio AmateursWorld Atlas	Nov
British Columbia Freq Directory	Jul
CB Buyers Guide	Dec
Coll Guide to Antique Radios(#3)	Aug
Coll Guide to Novelty Radios	Aug
Coll Guide to Transistor Radios	Aug
Compendium of Am RR Freqs (#13)	Aug
Computer Support Directory	Oct
CQ Ham Calendars	Jan
Digital Multimedia Guide	Sep
Electronics Pocket Reference	Feb
Intro to Digital Video	Jan
Guide to Fax Radio Stations (#15)	Sep
Guide to Utility Radio Stations	Apr
Haruteq Ontario Scanner Directory	Nov
Lew McCoy on Antennas	Mar
Listeners Lawbook (#2)	Aug
Low & Med Freq Scrapbook	Jan
Low Power Communications, (vol 3)	Sep
M-Street Journal	May
Mobile Cellular Systems	Mar
New SW Propagation Handbook	Jul
New York City ATC	Jul
Norwegian AM Log Book	May
Official Massachusetts Freq Guide	Apr
Ohio/Mich Scanner Freq Dir	Dec
Orange Book of Scanner Repair	Jun
Passport 1996	Nov
Pennsylvania Freq List	Jun
Police Call 1995	Jan
Police Call So Cal Detail Edition	Mar
Radio Modification Handbook	Aug
Rebel Radio	May
Remaking of Radio	Mar
Scanners 3	Jan
Scanner Planner	Dec
Schroeder s Antiques Price Guide	Nov
Spectrum Guide	Apr
Spectrum Regulation Handbook	Oct
Spread Spectrum Comm Handbook	Feb
The Phone Book	Aug
The Shortwave Radio Guide	Jun
Towers to Eternity	Feb
Travelers Guide to Freq Mon (PA)	Mar
Travelers Guide to World Radio	Apr
Ultimate Scanner, Cheek #3	Jul
Underground Frequency Guide	Feb
Understanding ACARS	Jan
Understanding ACARS (#3)	Aug
US Repeater MapBook	Nov
Whole Spy Catalog	Jul
Winning the Global TV News Game	Dec
World Radio TV Handbook	Mar
Your HF Digital Companion (ARRL)	Aug

Zenith Trans-Oceanic:Royalty of Rs	Jul
<b>Software, Videos, Services, etc.</b>	
Adaptive Sys WAVE (Mac control)	Nov
ARRL Electronic Repeater Directory	Nov
ARRL Publications (catalog)	Aug
ARRL Radio Designer (soft)	Feb
ARRL Radio Designer (soft & book)	Sep
AT&T Language Line	Dec
BK Precision (catalog)	Aug
Cellular Security 800 MHz mod	Nov
Circ-"IT" classifieds	Mar
Code Red 900 number	Jun
Design EQ BankPac cards	Sep
Dir of Elec Surveillance Equip Sup	Oct
FAR Scholarships	Mar
Fontel Foundation Inventor s BBS	Oct
Geo Jacobs Roboscan 2000 Aug	Feb
Getting Started in VHF (video)	Feb
Gordon West Radio School	Oct
Grove FCC Database	Sep
Grove Repair Service	Feb
Kiwa catalog on Internet	May
Klingenfuss Modulation Types (CD)	Jun
LeProgram, Shortwave Guide	Jun
LogOn USA (internet Bcast)	Oct
Marbian Productions SWBC skeds	Nov
MetroWest catalog	Oct
Milestone Tech Code Master V	Jul
Milestone Tech M*Log	Nov
Mr Scanner s CD ROM	Nov
New Wireless Pioneers (cat of books)	Oct
Old West Graphics (decals etc)	Jul
Old West Graphics ID tags	Dec
PageWatch	Apr
Palo Alto Sun Clock	Dec
Probe kit catalog	Feb
Quest Electronics(catalog)	Nov
RCSI ScannerWEAR Soft-control	Jun
RMA Electronics Co	Jun
Rockwell PropMan	Jul
Signal Int, Windows Scan*Star	Dec
SSC PC GOES/Wefax 4.0	Jun
State PD & Hwy Patrol Badge Guide	Dec
Vintage Manuals (cat)	Mar
Worldcom Yacht Boy 400 mod	Mar
<b>Equipment:</b>	
AEA APRS adapter cable for GPS	Apr
AEA PK-96 packet w/GPS	Dec
Alpha Delta DX Ultra SWL antenna	May
Audio Tech CS2000 home theater	Dec
Autek Research RF Analyst	Jan
BayGen Baylis wind-up radio	Sep
Black Box Antenna	Oct
Cellular Security Max800 Antenna	Feb
Cobra 93LTD CB	Nov
Comm Spec TE-32 Encoder	Nov
Connect Systems CD-2 decoder	Apr
Datafile Probe software	Jan
Design EQ leather scanner cases	Apr
DX Radio Supply Power Station	Sep
Everhardt truck CB antenna	Mar
FlatPlug, American Leviton W&C	Jan
Free Radio Berkeley Radio Kits	May
Gall Universal (auto) Bracket	May
Grove Mini-Skywire	Sep
Grove SW Converter	May
Grundig Yacht Boy 207 & 217	Apr
Hamtronics aero band rcvr kit	Jul

Hamtronics RWWV kit	Jun
ICOM IC-775 & IC-775 w/DSP	Jul
ICOM IC-Z1A HH Transceiver	Jul
ICOM IC-706 all-mode Transceiver	Jul
JPS NIR-12 Noise Reducer	Jun
Lightning Emergency Generator	Oct
Kantronics KPC-3 TNCt	Aug
Kiwa BCB filter	Nov
Magellan's WaterPocket	Jul
Micro Tek Minute-Man SW conv	May
Miltronix R-390 Repair	Jan
Miracle Baby Micro Duck	May
MFJ-114 Clock	Feb
MFJ-66 Dip Meter Adapter	Sep
MFJ-1717 Flexible Duck	Sep
MFJ-306 World Band Explorer	Aug
MFJ-452 Super CW Keyboard	Jan
Motron Auto-Kall DTMF controller	Jul
Naval Electronics HTS-3	Mar
Optoelectronics CX12AR Interface	Oct
Optoelectronics OptoScan 535	Oct
OptoElectronics Scout	Jan
Palomar Magnetic Switch Balun	Aug
Power Pocket	Oct
Powertip	May
QuickTone CTCSS kit	Feb
Radio Engineers Vector-Finder	Jun
Radio Shack PRO-27	Sep
Ramsey FM25 FM Stereo Txx	Aug
Sony ICF-SW1000T receiver	Nov
TenTek T*Kits	Apr
Tripp Lite PR-series power supply	Aug
Uniden laser radar detectors	Mar
Uniden PC 76XLW CB	Mar
Uniden's new scanners	Feb
Uniden scrambled cordless phones	Mar
Uniden 25-Chan Phones	Jul
Viking long-play recorder	Feb
Wavetek products	Sep
Wavetek digital multitesters	Dec
<b>Reviews:</b>	
Alpha-Delta DX-Ultra	Jun
AOR SDU5000 Spectrum Display	May
CTP DS-49 Descrambler	Sep
Free Radio Berkeley transmitter kit	Jun
Grove TUN-5	Oct
JPS ANC-4 Antenna Noise Canceller	Aug
K&L Message Tracker	Jul
Kiwa MW Air-Core Ant	Dec
Logic Limited Franklin Converter	Oct
MFJ-784 DSP Filters	Sep
Naval Electronics HTS-2 vs. -3	Jul
Optoelectronics DC 440 decoder	Mar
Optoelectronics Scout 400	Feb
Optoelectronics Scout 40 Nov	Nov
Par Electronics intermod filters	Sep
Select-A-Tenna vs the Black Box	Apr
ZS Electroniques ZSRX Antenna	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 (intvw) 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, & Tweeks, 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 (Bandaidd); 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 & Design
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> <b>Books:</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	A Basement Seat to History	Aug
MAY	Scanning on the (W-S) Cable Channel; Trunking survey	<b>SKYLINK</b>		Advanced Television Systems	May
JUN	Scanning for Information on Line (Motorola press releases)	JAN	Wireless Publishing	ARRL Handbook (74th)	Dec
JUL	Scanning into the Wild Blue Yonder (airport scanning); your favorite scanner; convention update; mailbag (Buffalo)	FEB	GPS is Everywhere	Auto Audio	Sep
AUG	Bunking with Trunking; other data activity; trunking in Huntsville, AL	MAR	Rising Tide of Wireless (AT&T, Sprint, Nexus)	Broadcast News: Writing, Reporting	Apr
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 Sound Technology	Apr
OCT	Wanted-Used Scanners; RCMA Kansas column; all-time favorite scanner	MAY	Let There be Wireless (imminent developments)	CB Modification Secrets	Jun
NOV	Mall Call; drive-through dilemma; wrong about NH; digital Olympics?; favorite scanner; Cajun freqs	JUN	Computer LANs going Wireless	CB Audio	Jul
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	Clandestine Stations (DSWC1)	Jul
<b>Frequency Exchange (in state order)</b>		AUG	Wireless Web Allocations & news	Cop Speak	Apr
City/State	Issue	SEP	Rising costs of wireless phone services	Crystal Radio:History,Fund & Design	Oct
Breckenridge, CO	Feb	<b>UTILITY WORLD</b>		Crystal Sets (No 5)	Jul
Windsor, CT	Jan	JAN	VOA ute test station; RAF Volmet shifts; AWACS callsigns; Mystic Star freqs/designators	Easy Calculator Math for Electronics	Aug
Jacksonville, FL	Mar	FEB	USAF MARS Stations Closing; ARIA has moved; MOSSAD nets	Electronics books from McGraw-Hill	Apr
Sarasota/Bradenton, FL	Apr	MAR	USAF MARS; Bosnia IFOR aircraft	Electronic Media Law	Feb
Atlanta, GA	Jan	APR	USAF MARS Going, almost Gone; Joint Endeavor Follow-Up; Where is 3E7?; Numbers stations and Internet; DoD Flight Info Pubs	Emergency Scanning	Mar
Atlanta, GA, (trunked)	Mar	MAY	Maritime Safety Broadcasts (NAVTEX skeds & freqs)	Essential Radio: Travelers Guide	Jun
Jefferson Co, ID	Jan	JUN	FBI on HF (freqs & callsigns)	Fla Radio Hobby Clubs	Nov
Hanna City, IL	Feb	JUL	Monitoring the National Guard; Australian Antarctic Comms; Ute World hits 100	Global BCing Systems	Jan
Jackson Co, GA	Feb	AUG	It's Zulu Time - New Zulu designators and background; US Customs on HF; FACSAC and Bluestar	Go Mobile at 500 Watts	Oct
Shreveport, LA	Nov	SEP	NASA Aircraft (registration list); Esteem Highly and White Pinnacle IDed; fire season freqs	Guide to Utility Radio Stations 1996	Mar
St. Bernard, LA	Apr	OCT	Who is Herb?; Maritime simplex channels; CAP frequencies and callsigns	Ham Price Guide	May
Massachusetts Bay TA, MA	Jan	NOV	Marine HF Scaling Down; RTTY press services leave HF; bad times in Bangui; troubles in Bahrain; LNZA ID'ed; Aviateca freq; Zulu designator update	Heathkit guide	Mar
Bloomington, MN	Jan	<b>Frequency Exchange (in state order)</b>		IC Master	Dec
Bloomington, MN (revisited)	Apr	City/State	Issue	Inductor Handbook	Sep
Hickory Grove, MS	Feb	Breckenridge, CO	Feb	Internet Radio Guide	Sep
Sun Prairie, MT	Feb	Windsor, CT	Jan	Klingenfuss, Radio Data Code Man	Oct
		Jacksonville, FL	Mar	Klingenfuss, Worldwide Wefax Serv	Nov
		Sarasota/Bradenton, FL	Apr	Lenk's Television Handbook	May
		Atlanta, GA	Jan	Low & Medium Freq Scrapbook	Jun
		Atlanta, GA, (trunked)	Mar	M-Street Radio Directory	Mar
		Jefferson Co, ID	Jan	Mobile Cellular Telecoms	Feb
		Hanna City, IL	Feb	Monitor America (#3)	Jan
		Jackson Co, GA	Feb	Monitoring Cellular Phones	Feb
		Shreveport, LA	Nov	Monitoring the Feds	Aug
		St. Bernard, LA	Apr	More Antennas out of Thin Air	Oct
		Massachusetts Bay TA, MA	Jan	National Scanning Report	Nov
		Bloomington, MN	Jan	NRC Distance and Bearing Handbook	Nov
		Bloomington, MN (revisited)	Apr	NRC Night Pattern Book	Jun
		Hickory Grove, MS	Feb	NYC Fire Dept Monitoring	Nov
		Sun Prairie, MT	Feb	Official Connecticut Freq Guide	Jan

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

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

# Monitoring Times 1997 INDEX

## FEATURES:

### Broadcast:

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:

Confessions of a Cell Site Spotter	Sep
Effective Emergency Coordinator	Mar
HR2369: Another Specter Looms	Oct
Lightning: Global Network	Jun
Menwith Hill Station	Feb
Meteors: Radio out of this World	Oct
MT at 15: an interview	Jan
Send Your Receiver to DX Camp	Aug
Those Terrible (cell) Towers	Sep
1996 Index of Articles	Jan

### Scanning:

Area 51 - Phantom in the Desert	Jul
DMAT - Mobile Medical Teams	Aug
Emergency Medical Services	Oct
Flying with the Angels	Mar
Military Aviation - Change in the Air	Jul
Monitoring Commercial Aviation	Jul
Monitoring Montauk	May
Privacy and the Public Airwaves	Apr
Racing Freqs: a la CARTe	Jul
Racing Freqs: Charlotte	May
Scanners at the speedway	Apr
Scanning Techniques that Work	Jan
Super Truckin' (racing)	Jun
There's Something About a Train	Feb
Uniden Parades the TrunkTracker	Mar

### Technology and Technical:

Best Earth for Ground	Jun
Code Practice Oscillator/Morse tests	Dec
Garden Galaxy of Lights (FM)	Dec
How to Build a Radio from a Kit	Feb
"Junk-Drawer" Antenna (handheld)	Jul
Multi-Band Resonant Antenna	May
Ultimate Longwave Setup	Dec
Under \$30 Antenna Launch	Aug

Upgrading the Ocean Hopper	Aug
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### Utilities:

Beacon QSLing	Dec
Canada's Maritime Stations	Jun
Marconi's California Stations	Nov
Marconi in Ireland	Nov
Morse Code: Down, not out	Nov
Radionavigation in the Baltic	Dec
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 Radiorack decoding program  
SEP The Every 2-Yr Computer Blowout; CAT Magic Revisited  
OCT Radiorack, 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; G/Wiz 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.	Feb	Drake R8B	Nov
		Police Call 1997	Jan	Drake SW-2	Jun
NOV	Huntsville system profile	Police Call So. California	Mar	Drake TR270 FM transceiver	Aug
DEC	Trunking info on the Web; Baltimore's new system; Escondido, CA, trunked profile	Radio's First 75 Years	Jan	Electro 5-band Radio (Heartland)	Jul
		Radio Monitoring	Apr	Firestik Fire-Up 99	Oct
		Radio on the Road	Feb	Grove SP-200B Sound Enhancer	Sep
		Scanner Listings MI, OH, ON	Feb	HyperDimensional Resonator	Jul
		S Asia Radio Guide #10	Sep	Icom IC-PCR1000 rcvr	Nov
<b>UTILITY WORLD</b>		Successful QSLing	Feb	Industrial Test Co Powertron 500A	Oct
JAN	Gov Rediscovered HF?; Bayonne Global on air	Shortwave Listener's Guide (UK)	Dec	JPS Spectrum display for NIR-12	Sep
FEB	Airline Company HF Freqs; USSTRATCOM Zulu Desig	Talkgroup IDs/King Co	Nov	JRC NRD-345	Jun
MAR	National Guard; TX State Guard; Acrobat	The Code-Breakers	Feb	KDKA paperweight	Nov
APR	The UK Royal Air Force; USAF selcals	Transmitter Documentation Project	Jun	Magellan MicroCom-M (Grove)	Apr
		Wiretap Detection Techniques	Dec	MFJ-281 ClearTone speaker	Dec
MAY	Who's Where in the SW Spectrum	Zenith Radio, Early Years (Grove)	Dec	MFJ Morse Tutor	Mar
JUN	DXing the Radio Basement (overview of what's on ELF/VLF)	<u>Software, Videos, Services, etc.</u>		MFJ SlimLine keyers	Nov
JUL	HF Aero Bands: MWARA, LDOC, Volmet, flight test; single-letter channel markers confirmed as Russian navy	AEA sale (business news)	May	MFJ-550 key	Nov
		Air Force One (video)	Nov	MFJ 711 TVI filter	Apr
AUG	Scheveningen Radio to Close; Globe Radio Network absorbs KOH, WCC, WLC; Globe freq list; USAF gets new VIP aircraft; Australian maritime radio cuts	Andrew Corp (cat)	Nov	NewsCatcher (AirMedia Live)	Feb
SEP	Albrook Global makes final transmission; GHFS tones; USSTRATCOM Zulu Freqs; Mystic Star update	AOR-8000 caveat (news)	Oct	Nub Antenna (Grove)	Aug
OCT	Military Freq Bonanza; Euro military, ARCN, MARS in Europe, USAF KC-135 Tanker callsigns	AOR Hawk software (grove)	Dec	O'Gara Mobilephone (Grove)	Sep
NOV	Aero Off Route Changes	Audioclassics (cat)	Nov	Opto R 11 Near Field Receiver	Dec
DEC	USAF Global HF System	Conet Project numbers CD	Jul	Opto Techtoyz Micro Counter	Nov
		Creative Express ERGO for AR7030	Oct	Opto Techtoyz Micro DTMF Decoder	Sep
		DataFile Probe V3.0	Apr	Perry suspenders (Grove)	Jan
		Delta Research Deltacomm I-8500	Jan	PhoneShield (Magellans)	Jul
		Digital Audio Logger (ScanStar)	Dec	RCA RP-6100,6150,6200 scanners	Oct
		DXtreme SW Reception Log V1.0	Apr	Radio Shack PRO-90 (Grove)	Dec
		Electric Enigma CD	Jun	Realistic Radio Kits (Grove)	Jan
		Electronics 2000 CD	Jul	Sangean SR-77 SW portable	Mar
		FCC prohibits selling modified scan.	Sep	SGC PowerClear DSP	Feb
		Firestik 1997 catalog	Mar	Skymatch H800 Antenna (Grove)	Aug
		Grove FCC database V6.0	Apr	SP-50/FM2 satellite rcvr (Grove)	Sep
		Grove price drops (news)	Oct	Starbrite Liquid Electrical Tape(Grv)	May
		How-to-do-it book catalog	Jul	Svellana vacuum tubes	Jan
		Klingenfuss '97 SW Freq Guide-CD	Jan	Uniden BCT-12 Beartracker	Feb
		LPB complains re pirates (news)	Sep	Uniden LRD6599SWS radar detect	Apr
		MFJ 25th anniversary (news)	Sep	Universal M-450 Decoder (Grove)	May
		NSA gift shop	Dec	Universal whip (Grove)	Oct
<b>WHAT'S NEW</b>		Old West Graphics (cat)	Nov	Vibroplex Straight Key	Feb
<u>Books:</u>		Radio London products (CD etc)	Oct	Water Sound protector	Feb
Access to the Airwaves	Aug	Radio Shack (cat)	Nov	WINRADIO spectrum analyzer	Aug
ARRL Antenna Book (Grove)	Aug	SESCOM audio transformer catalog	Mar		
Australasian Shortwave Guide	Mar	Tiare catalog	Jul	<u>Reviews:</u>	
Build Your Own Transceiver	Jul	Tighter Customs? (news)	Jul	Alinco DJ-S41	Mar
Cyber Crime	Jun	VALCO CBs	Oct	Avcom PSA65C Spectrum Analyzer	Dec
Crystal Set Projects (Grove)	Jul	VLF Radio ! (cassette)	Dec	Darcy SW Booster	Mar
DXpeditions - Autumn 96 (NRC)	Nov	Wireman Wirebook III catlog	May	Magnavox WebTV	Feb
Global Radio Guide	Jun	W5YI vanity call research service	Mar	Opto Micro DTMF Decoder	Oct
Heathkit - Amateur Radio Products	Jun			Radio Plus+ Quantum Stick	Jan
Hunting for Treasure	Jul			Radio Shack FRS-105	Jun
Improv...Counterintelligence Apps	Jul	<u>Equipment:</u>		Radio Shack FRS-108	Apr
Introducing QRP	Jul	Alien Abduction Alarm	Jun	Ramsey SM100 Signal Magnet kit	May
FM Atlas (Grove)	Aug	Alinco DJ-X10 scanner (Grove)	Jul	Scanner Antenna Comparisons	Sep
GMRS Repeater Guide	Aug	AM Sounds (Am Tech)	Oct	Uniden BC895XLT TrunkTracker	Nov
Jane's Police and Security Equip	Mar	AOR AR5000 Plus 3	Nov	V-Link 2-way radio	Apr
Klingenfuss Gd to Wx Serv #17	Sep	AOR AR7030 Plus	Nov		
Klingenfuss Internet Radio Guide	May	AOR AR8000 withdrawn	Jun		
LA DXing #6	Sep	Cutting Edge Powerport	Jan		
MFJ Antennas, Transmission Lines	May				

# 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 Pocos 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 from 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  
 \_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 Trunk-Tracker); 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 WXSATS; 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 Jun Feb Mar Feb Mar Mar Nov 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
<b>WHAT'S NEW</b>					
<b>Books:</b>					
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				
<b>Equipment:</b>					
		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		
<b>Reviews:</b>					
		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

### 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

## JAN

## DEC

## The Popular Half-Wave Antenna

### 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 Lower 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 Wooly 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!  
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?  
SEP Low Power BCing Creates Uproar  
OCT LPFM Broadcasting not RFI Threat  
NOV The Migration to Digital Radio  
DEC Reply Comments Pour in on to Low Power FM Broadcasting

#### WHAT'S NEW

##### Books:

AM BC Stn Antenna Systems MAY  
Antenna Site Operating Guide APR  
ARRL Wire Antenna Classics OCT  
BeaconFinder JUN  
Buying a Used SW Receiver FEB  
Collectors Guide to Vintage TVs AUG  
Compendium of RR Freqs JUN  
Cop Talk! AUG  
A DXer's Technical Guide FEB  
FM Atlas (18th) NOV  
Govt Radio Systems: CA JUL  
Hiram Percy Maxim JAN  
Home Video MAR  
Insanely Great Software WinWeather JUN  
Int'l Satellite Directory SEP  
Klingenfuss books:  
SW Freq Guide, Guide to Utilities, Radiotelex Messages, Super-Freq List on CD (G) APR  
Klingenfuss Guide to Wx Services AUG  
Ladder Crystal Filters (MFJ) SEP  
Mahlon Loomis, inventor of Radio MAR  
McGraw-Hill Electronics Books MAY  
MT Express Debut NOV  
NRC AM Radio Log DEC  
NRC AM Station Map Book JUL  
On the Short Waves JUN  
Police Call 1999 (Grove) FEB  
Radio Happy Isles DEC  
S Fla Trunking Guide MAY  
SW Guide to SE Asia APR  
The Covert Catalog AUG  
Trunked Radio Systems (Calif) JAN  
Trunked Radio Systems (Calif) OCT  
Voices in the Purple Haze SEP  
Weathering the Storm AUG  
WRTH 1999 (Grove) FEB  
Xtal Set Society, Vol 8 JUL  
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

CAIG catalog, new address  
ComBox has US office  
Computer Intl new website  
Counter Spy Shops  
DataFile's PROBE Ver 5.0 soft  
Drake manuals online  
Due Diligence 2000 (soft)  
DW Radio Worlds brochure  
Electronics Engineers Master catalog on disk and on line  
Fisher metal detector newsletter  
Flighttracking via internet  
FreeTracker support pulled  
Hamco antenna catalog  
IC Master on CD-ROM  
Guide to Fed Govt Sales  
Hamcalc software disk  
HamCalc 40  
Hammall.com  
IC Master online  
Icom promotions  
Icom repairs: MalcolmTech Support  
IC-R2, IC-Q7A software on line  
Inmarsat mini-M for aircraft  
JPS Comms, leaving ham sales  
Magellan Geographix website  
Magellan S@tellite Modem  
Marbian Productions changes  
Midland Consumer Radio recall  
MFJ acquisition of Hy-Gain Ant  
MT Express debut (G)  
Oak Hills Research bought by Milestone Technologies  
Optocom utility v 2.1 on line  
Parnass' RadioMaps  
Police Call on CD (G)  
QSLs by W4MPY  
Quebec Freq Dir on disk  
Radio HF email newsletter  
Radio Mali on CD  
Radio Shopper magazine  
Rarities-Exchange.com via sat  
Reim discontinues scanners  
Rich Wells dealer survey site  
ScanCat supports TenTec RX320  
SESCOM catalog and give-away  
Skyvision catalog  
SmartScanner service now available

Swagur-Timestep agreement  
Swezey DSP filter for SW  
TDP available on line  
Timestep PROsat for Windows i  
Traffic Radar Handbook on line  
Ultimate TIS Digest online  
Uniden closures  
Uniden BC-245 manual online  
WinRadio software upgrades  
WUN Frequency Guide CD (G)  
Yaesu buys Standard

##### 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

Cutting Edge HAM-Pack APR  
Cutting Edge PocketPRO pouch JUN  
Cutting Edge Quick Draw holster OCT  
Damark CellGuard/Safe Guard OCT  
Electronic Spec modem protection FEB  
Everhardt AM/FM/Wx antenna for RVs NOV  
Garmin GPS III Plus (Grove) JAN  
Garmin NavTalk Cellular/GPS AUG  
GoTalk II FRS radio (Grove) JAN  
Grundig Satellit 800 (G) NOV  
Icom R-2 scanner (Grove) FEB  
Icom IC-R75 preview APR  
Interference filters, AM & FM (G) JUN  
Kaito Self-Powered Multiband (G) DEC  
KVH secure Tracphone FEB  
KVH TracVision LM JUL  
MetroWest Rapid Rechargers DEC  
MFJ-8121 21 band receiver JUN  
MFJ Atomic Clock, monster display JUL  
MFJ field strength meters SEP  
MFJ Helping Hands kit tools OCT  
MFJ Jim Handy Interface MAR  
MFJ Ni-MH Batteries OCT  
MFJ RuffRider mobile antennas APR  
MFJ 24-Hr clocks JUN  
MFJ shack clock NOV  
Milestone Tech TA-1 CW paddle DEC  
NCT ClearSpeech Speaker APR  
OptoCom available from Grove MAR  
Optoelectronics MiniScout (G) JUN  
Pelican computer case JUN  
PowerSafe 2000 NOV  
Radio Shack PRO-92, -94, -2052 (G) OCT  
RadMan RF field monitor JAN  
Receivers for dogtracking (G) MAY  
RF Bug OCT  
RSM shortwave loop JAN  
Sangean SR-2 AM/FM (G) AUG  
SETI package from Grove JUN  
Snap-Trak, Inc GPS chip AUG  
Sperryspectrum analyzer (G) SEP  
TERK clip-on TV antennas JUN  
TrackMaster Arrow Tracking Sys MAY  
Triplite Super10 surge protectors APR  
Trudell Dish-pod MAR  
Uniden BC245XLT (G) JUL  
Uniden BC278CLT, 248, 244 AUG  
Wavecom W40PC DSP card AUG  
WorldSpace receivers unveiled MAR

##### 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 fm 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	Of 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, Dxtra, 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  
 NOV Scanning the Wild, Wild West; Houston, DOE, Idaho; AZ, CO, NV, NM, OR  
 DEC 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 Reinvigorated; 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 clairfication; 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; Disneylnd; 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 IDeed  
 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-Learly 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 Flipppo arrest; Vladimir Petiti-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	J
	an
Klingenfuss SW Freq Guide 2000	Jul

Klingensuss Guide to Ute Stns	Jul	AR8200 Mark II upgrade	Oct
Loop Antenna Handbook	Apr	Cellular Phone Alert Pen	Nov
M Street Radio Directory 2000	Apr	Clear Speech Base	Sep
Max Research antenna books	Apr	Cutting Edge TransPorter	Jan
Monitoring the Military (online)	Jul	Cutting Edge Radio Badge	Apr
NRC AM Radio Log	Dec	Cutting Edge Radio Glove for VX-5	Jun
NRC Station Map	Dec	Cybiko portable intertainment	Sep
NRC: Loop Ant Design & Theory	Apr	Fire GPS System	Nov
Police Call 2000	Apr	GeoClock	Mar
Police Call: So Calif	Apr	Hammacher Schlemmer map	Mar
Police Call 2001	Oct	Hamtronics kits	Jun
Radio in My Life ODXA booklet	Jan	Icom IC-718 HF tx	Aug
RDI White Paper, Satellit 800	Sep	LF Engineering Skymatch,etc, cat	Sep
Short Wave Guide (EDXP)	Jul	Mercedes Benz StarTAK cellphone	M
Space Architecture; Frassanito	Jul		
Speaking of Science	Jun		ay
Southwest FreqDirectory	Sep	MFJ 24-hr clocks	Jan
The Logic of Microspace	Aug	MFJ HT Duck Antennas	Jan
TV Station Guide	Apr	MFJ SWR Meter 269	Oct
The Voice of the Crystal	Jun	Midland SpeakEasy FRS	Oct
WRTH 2000	Mar	Miland SpeakEasy 75-517 FRS	Nov
		Midland Weather Alert radio	Oct
<b><u>Business news, Software</u></b>		MorseExpress Millennium Key	Nov
Antique Electronic Supply cat	Jan	OHR QRP Kit	Dec
Antique Electronic Supply cat	Apr	Optoelectronics Multicounter	Aug
APBnews.com	May	Radio Shack Optimus Multiband	Jun
BandTrol & SofTrol for BC895XLT	May	Ramsey antenna kits	Apr
Business news	MAR	Ramsey SW receiver kit	May
Computer Aided Tech old-time radio		Receivers and rumors of receivers	Aug
broadcast CDs	Sep	RF Enterprises Pilot Light flashlight	Feb
DigiPan Freeware for PSK31	Jul	SafeTShield (caveat emptor)	Nov
Ericsson selling priv radio sys; WR1550		Samsung Star Trek wrist phone	Jan
dynamic range; new name, website for		Sangean ATS-505	Apr
Watkins-Johnson; Grundig 800 news		Small Wonder Labs PSK-20 Tx Kit	Jul
Eat Anglia catalog	Feb	Smart Link Reaction Tuner	Aug
HAMCALC v 43	Jun	Sonicbox	Feb
Hamcall CD-ROM (Buckmaster)	Sep	SRS Labs WOW Thing	Feb
Inside WSM/ First 75 Years	Feb	Super Select-A-Tenna	Jun
Iridium collectibles?	Jul	Ten-Tec RX-340	May
FTV decoding software	Mar	Uniden BC780XLT TrunkTracker	Feb
Kenwood HQ moves to Atlantas	Oct	Uniden BC780XLT anticipation	Mar
KLM antennas out of business	Jan	WinRadio 1550e	Jan
Magellan/Hertz NeverLost system	Jan	WinRadio WR-3500, WR-3700	Oct
Mr Scanner FCC CD-ROM	Sep	Yaesu VR-5000	Dec
News and rumors	Dec		
Nitelogger discontinued	Nov	<b><u>REVIEWS:</u></b>	
Palstar 30 Filter Specs	Aug	AOR Antenna Line	Nov
Pasternack coax catalog	Nov	CCR Radio vs. GE Superadio	Mar
Patent Wizard	Nov	Diamond vs Condor scanner ant	Sep
Police Call #4 recall	Jan	Grove FTR-100 Notch Filter	Oct
Police Call 2000 CD-ROM	Mar	Grundig 500 sneak preview	May
Police Call 2001 on CD	Oct	Hamtronics Aviation Rx Module	Aug
QRZ.com + Jotter	Jan	Icom W32A TXer as a scanner	Feb
Quebec database, Thibodeaux	Sep	Protek 3201 RF Field Analyzer	Dec
Radio-Active Shoc database	Dec	Ramsey FM-100 Stereo transmitter	Apr
Radio HF closes storefront	Aug	Ramsey Mobile RDF System	Jul
Satellite-delivered radio (XM,CDR)	Jan	Stridsberg FLT201A Notch Filter	Jan
Scancat Gold ver 7.5.8		Stridsberg MCA204 Multicoupler	Jan
Scanner Recorder	Sep	Super Select-A-Tenna	Jul
ScannerRecf Scanner Prog System	Feb	Timestep feed and converter for	
Scott Craig solar data plot prog	May	GOES reception (from Swagur)	May
Skyvision catalog	Apr	Wellbrook Antenna Splitter AS1030	Sep
Websites of note	Oct		
WinMorse	Aug		
WR1550 features	Apr		

<u>Equipment</u>	
Aiwa Dynamo FR-C151	Feb
Alinco DM-330MV power supply	Jan
Alinco DJ-V5TDC clear HT	Apr
Alinco DJ-X2T	Oct
Alpha Delta Coax Switch	Jun

# Monitoring Times 2001 INDEX

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## FEATURES:

### Broadcast:

Broadcasting in Zimbabwe	JUL
Challenges for Int'l Broadcasting	JAN
Challenges: Conflict to Cooperation	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
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### 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 Siege	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 ( <i>AM Radio Log</i> , <i>AM Station Map Book</i> , <i>FM Atlas</i> ); 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 antenna)
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-706MkIIG - I  
 AUG Icom's Neat IC-706MkIIG - 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 FACSAC (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; assisitive 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; NPSPAC

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 Weathewr 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
Digisette 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
Managing Radio Data	SEP
Preserving QSLs	FEB
Radio Direction Finding	JUL
Unlicensed DX: Irish Mass (filler)	APR
Who's Who in the Spectrum -LF	JAN
Who's Who in the Spectrum -MW	FEB
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

#### 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

#### 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

guerillas targeted; good-bye,  
Communications World  
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  
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);  
Radiationalert (cellphones);  
United Nations Radio; Off the  
hook (re bugged Chinese plane);  
US Satcom overhaul; RFID  
antennas  
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;

FCC Chooses IBOC; Ray Briem  
Retires; Bob Sherman Dies

#### COMPUTERS & RADIO

JAN Bonito's RadioCom 5.1  
FEB Gizmos and Gadgets: soundcard  
extender, up front 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

#### 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 hams)  
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 VHFDN162HT, 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 Gramma 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  
 OCT 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 HFDL Breaks the Sound Barrier: decoding software from Charles Brain, HFDL freqs; Russian listening post closed  
 JUN More Russian Numbers Weirdness; Japanese Maritime Morse; WWV Changes  
 JUL HFDL 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 megas?  
 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: NOAA-14 fixes itself, GOES-E seasonal improvement, Meteor seasonal power-off  
 MAY Are You Equipped? what's needed for satellite telemetry; satellite status report

JUN	Our Digital Future, upcoming NOAA-M launch, future launches, digital transmissions, earlier NOAA WXSATs
JUL	Great Expectations (NOAA-M packages); Current NOAAs
AUG	A Rising Star: Fengyun-1D; re color pictures in MT
SEP	First Images from NOAA017; WXSAT Frequencies
OCT	Speak Up for Hobby Monitoring (NOAA conference); NOAA-14 Failure Mode
NOV	MSG-1 Launch and WXSAT Status
DEC	Great Progress and More to Come: GOES-12 to replace GOES-8; Correspondence

#### WASHINGTON WHISPERS

JAN	Military Tech in the Private Sector: Internet, GPS, spread spectrum
FEB	RFID Tags: connecting people and objects
MAR	FCC Acts to Yank Mitnick's Ham License
APR	NTIA Report: Energy, Water, RR Need More Spectrum
MAY	Commercial Use of Ultra-wideband Technology Approved
JUN	Chairman Urges Transition to Digital TV
JUL	Congressman Slams Broadcasters on Conversion to Digital TV; American Assoc of Radio Enthusiasts; FCC Enforcement
AUG	FCC Announces Changes to Multi-Use Radio Service
SEP	CSEA Ups Penalties for Illegal Monitoring
OCT	(see Closing Comments)
NOV	FCC Mandates Digital TV Tuners

#### WHAT'S NEW

##### Books, CDs

2000 Emergency Response Guide	Sep
ARRL 2002 Handbook	Feb
ARRL Repeater Directory	Jun
ARRL Ham Radio interest books	Mar
Cell Towers	Jan
Collectors Guide to Antique Radios	Dec
DSWCI Domestic BC Survey	Oct
DXing 101	Mar
HamCalc CD	May
IRCA Mexican Log	Jan
Field Guide to Diesel Locomotives	Jul
Flashlights	Feb
FAQ about Antennas & Baluns	Aug
FM Crystal Set Project	Nov
Grove Antenna Anthology	Dec
Grove Ask Bob Anthology	Dec
Grove SW Directory	Dec
Klingenfuss publications	Jan
Klingenfuss	
2002 Guide to Utility Stations	Mar
2002 Super Freq List CD	Mar
2002 SW Freq Guide	Mar

Latin American logs CD	Jan
M Street Radio Directory	Aug
MT 2001 Anthology CD	Feb
MT Express in full color	May
NRC AM Radio Log	Nov
Police Call, S Calif	Mar
Rebels on the Air	Sep
RF Components and Circuits	Jul
Sounds in the Night (Dark?)	Jun
Southwest Frequency Guide	Oct
The Shortwave Guide (by WRTH)	Aug
Tower Site Calendar	Dec
Traffic Radar Handbook	Nov
Tune in the Universe C	Mar
WRTH 2002	Mar
WTFDA TV Station Guide	Jun

##### Business news, Software

CbandNet sat internet svc	Nov
Community Alert Network	May
DXing.info website	Jul
Edmund Scientifics catalog	Jul
EDXP SW Radio Log net	Jan
Electronics Australia Today folds	Jan
FCC policy re pre-type acceptance	Sep
G&G Comm new phone	Nov
Jade Products closes	
LLC Technology acquired by Butterworth-Heinemann	Feb
Mapcruzin site	Feb
MapInfo software packages	May
Metrowest sold to Scanner Master	Nov
Orbcomm tracking software	Feb
RadioSpectrumManager RSM5	Jan
Replacement LCDs for Pro2004	Jan
Sneaker and Investigator spyware	May
Sony ICF-2010 discontinued?	Sep
Uniden BD250D Certified or Not?	Nov
Upcoming APCO-25 products	Sep
WinRadio Advanced Digital Suite	Jun

##### Equipment

Alinco DJ-S40T Pocket HT	Apr
AOR New Products (AR8600MKII, AR-ONE, LA350 loop)	Jul
B&D Scan*A*Mix BX1	Sep
Caig DeoxIT improved	Apr
C Crane FM Transmitter	Jul
Degen Designs BBQ (quad ant)	Sep
Dunestar headphone switch	Aug
Dunestar remote antenna switch	Sep
Edmund Scientific sound meter	Feb
GAP Justa Spreader kit	Jul
Garmin GPS 16 receivers	Jan
Garmin European guides	Apr
Garmin S Am marine cartography	Apr
Grove Range-Extend Mag Mount	Jun
Grove Scanner Beam II	Oct
Grundig Satellit 900 Update	Apr
GuardianLion emergency button	May
Icom IC-T90A tri-band handi-talkie	Nov
Kenwood ProTalk XLS	Feb
Kiwa Audio Upgrade Kits	Jun
KVH TracVision S3 TV antenna	Feb
Memorex Scannocular	May
MFJ Speech Enhancer	Apr
Neo Jukebox MP3 player	Jul
Nil-Jon Super-M Upgrade	Jun
Optoelectronics Digital Scout	Aug

Palomar Loop Antenna	Dec
Peregrine Falcon remote control	Apr
Powerport Radio Glove	Aug
Radio Shack PRO-95	Oct
Ramsey clock/timer kit	Jan
RIGblaster new software CD	May
R&S Miniport EB-200 rcvr	Apr
ScannerMaster BC780 remote head	
adaptor	Apr
Scientifics digital voice recorder	May
Scott eVest	Jun
Sharper Image "Now You Can Find It" pager system	Nov
Tegam RF analyzer	Apr
Terk TV antennas	Jul
Uniden Announces BC250D/BC785D APCO 25 scanners	Mar
Uniden BC785D FCC accepted	Oct
Vectronics FM Tx kit	Oct
Vectronics soldering course	Oct
WinRadio WD3000 series RDF	Jan
WinRadio WR-G303i SW rcvr	Dec
Yaesu FT-8900R quadband tx	Nov

# Monitoring Times 2003 Index

## FEATURES

### Broadcast

Confessions of an Online Baseball Listener	Jun
Crisis on the Korean Peninsula	Jun
Exploring Papua New Guinea	Oct
Intl BCing in Times of Crisis	Jan
Former Soviet Republics	May
Life as a News Junkie	Nov
Namibia - Land of Diverse Beauty	Mar
Radio in Germany	Apr
Welcome to NEXUS-IRRS	Jan
Welcome to NEXUS-IRRS Part 2	Feb
Why and How of DXpeditions	Feb

### General

Distance Learning in India	Sep
Incident Command System	Aug
Interesting QSOs	May
Monitoring for the IBB	Sep
Provincetown Pilgrimage	Mar
Urban DXpeditions	Oct

### Nostalgia/Human Interest

How I Came to Write for MT	Dec
Listening to America from Down Under	Jul
My New Old Hallicrafters S38-C	Sep
Parade of the Boat Anchors - I	Jul
Parade of Boat Anchors - II	Aug
Roberto Galletti, neglected pioneer	Mar

### Scanning:

Become a Frequency Detective	Jun
Christmas in the Big Apple	Dec
Colonial Scanning	Jul
Conventional Look at Ga I-75	May
Guide to APCO Systems, Part 2	Jan
Guide to APCO Systems, Part 3	Feb
Monitoring in the City of Toronto	Oct
Monitoring the Army Nat'l Guard	Nov
NE Tanker Task Force	Jun
Notification Groups	Mar
Offshore Comms in Gulf of Mexico	Aug
On Scene at the Big E	Sep
Scanning Niagara Falls	Jun
They Put the SAM in Uncle Sam	Mar
TLC Studies Area 51	Sep
Tuning in the NJ State Police	Jul
TV Rovers and Their Radios	Feb

### Technical

Digital Radio Mondiale	Apr
DXing 2.4 GHz	Dec
EH Antenna	Apr
Mobile Sat Use in Persian Gulf	Aug
Op Iraqi Freedom Sat Monitoring	May
Satellite TV Buyer's Guide	Dec
USSR's Superpower Transmitters	Dec
Winter Propagation Relief	Nov

### 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	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 WRTN update File; El  
Dorado for LA DXers; DX Signal  
site  
JUN (see Closing Comments)  
JUL "Monitoring" Shortwave People  
(Steve Anderson, Harry Kliphuis,  
Richard Kotey, RKL Jem Cullen)  
Web Resources  
AUG Spurs, Images, and Harmonics  
SEP Shortwave Lives!  
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 Wavecom 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 Kenwood's Here2Anywhere  
Portable Sirius Kit

#### ON THE BENCH

JAN A New Use for DSS Diplexers  
(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 Diplexers  
(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  
Maildrop 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); Galaxy 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; Nitellogger 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 gealert 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

SPRAT 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, Bicyclenomad	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
Railscanning	JAN
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
Propagation Outlook for Autumn	OCT
Receiving Digital OTA TV Signals	JUN
Save Your Local Airport (SATS)	FEB
Talking to Mars	JUN
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, Whoizzit? 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

DEC An Invitation: Gearing Up, What Can You Hear? Logging Your Catch. DXpedition logs from Miscou NB

#### BOATS, PLANES, and TRAINS

FEB **Boats:** Monitoring the Great Lakes; Equipment; HF gone but not forgotten; resources

MAR **Planes:** Handoff Completed - author background; basics and resources for aero monitoring

APR **Trains:** Lingo of the Rails; New Radio Frequencies

JUN **Boats:** Maritime Monitoring Thaws Out; US Coast Guard Chesapeake; Canadian CG logs; Other HF monitoring; Amateur radio nets; portable monitoring; VHF monitoring

JUL **Planes:** Exploring Your Aero World; An interesting search range; Unicom Freqs; What is a CTAF; ATIS/ASOS/AWOS/A What? Airport Identifiers

AUG **Trains:** Radio Modernizes the Rails - the many uses of rail radio

OCT **Boats:** Marine Emergency Communications; Inside Passage Monitoring (Alaska Freqs); Marine Radio Interference; Local Marine Monitoring (Kingston, ON); Australian Marine Freqs

NOV **Planes:** Air Traffic Control for the Hobby Listener

DEC **Trains:** Railscanning. Rail radio from Ohio. Freqs from Readers: Kansas; Wisconsin; Portland OR; Proctor MN; Akron OH; Snowflake AZ. RailAmerica's New Regional RR; Industrial Yards: BRC Chicago; BS Alabama; Cincinnati Queensgate; P&N Bolger TX

#### CLOSING COMMENTS

JAN Spend a Little, Save a Lot - *Rachel Baughn*

FEB MARS - A Different Perspective - *Larry Van Horn*

MAR Interoperability: Being Responsible (plus list of non-APCO P-25 systems) - *Larry Van Horn*

APR Evolution of Technology: It's Not What You Think - *Ken Reitz*

MAY Amateur Radio Restructuring - A Tradition - *Larry Van Horn*

JUN Broadband Over Power Lines - *Rachel Baughn*

JUL Sharing is Good - Yes? - *Rachel Baughn*

AUG The Future of the Radio Hobby - *Larry Van Horn*

SEP The Dismantling of America's Voice Abroad - *Alan Heil Jr*

OCT Protecting an "Exclusive" Frequency - *Glenn Hauser*

NOV Let's Hear it for the Hams! - *Bob Grove*

#### COMMUNICATIONS

JAN SEC at Risk; Firefighting Radio Frustrations; DC System Good to Go; WiFi Gridlock Predicted; WiFi

Fox Hunt?; Radio to the Rescue; Rescue by Satellite; Push to Talk dispute; Tauzin Going Hollywood?; The Call of the Wild (randy ram)

FEB Man Charged after 2nd PLB Rescue; New FCC website interface; FCC bureau reorganization; nano radio invented; PA SP consolidating dispatch; Bob Evans

MAR ARRL proposes entry-level license, code-free HF access; Hard Hit for Hubble; You Want Insults with That? cellphone selective availability system; Earth's magnetic fluctuation; weather alert radio standard set; smart watches too smart

APR FCC Okays BPL Proposal; Issues in Broadcasting (BBC and across Europe); Amending the Morse Code; Tauzin to Retire; DC to Test Emergency Network; Safety Net Radio Bridge

MAY **Broadcasting:** Will There be a VOA; WSHB for Sale; the Power of Radio; Dismay over Ukraine Closure. **FCC & Congress:** Broadband over Power Lines, Doing the Nextel Swap, Indecency vs Freedom of Speech. **Fines & Forfeitures:** For Indecency, for Amateur Radio Service, Two cases maybe closed. Homeland Security: FBI at Your Back Door. **Miscellany:** US Brain Drain, Your Brain on a Cell Phone, Noise Annoys

JUN **Public Safety:** Wisconsin Jammer. **Emerging Technology:** BPL, RFID. **Amateur Radio:** FCC omnibus NPRM.

**Broadcasting:** demise of farm programs, WSNJ sold but keeps country format, "cow whisperer" collar creates virtual fence. **Obituaries:** Joseph Zimmernan, Marianna Cobb, Oswald Villard Jr.

JUL **Radio Honor Roll** - 13 yr old ham brings radio just in case, Cell phones for soldiers, CBs for soldiers; **Broadcasting:** Fla Pirates Put on Notice; Pirates interfere with airband; gangland pirate; pirate challenges FCC; Radio Caroline Turns 40; Radio Luxembourg; **Scanning:** NY Statewide System; Nextell Swap; Jammer Sentenced; Australia debates media access; **Emerging Technology:** Robots. **Miscellany:** Tauzin Still Truckin', Surround Sound (whales), Killer Radio

AUG **New Technology** - GPS; **Broadcasting** - WSHB Sold to LeSEA; NASB Elects New President; Local Radio for America; Local BCers Sweat Deadlines; Ft Lauderdale on the Air; Local Radio in Baghdad; FCC Gets Tough (radio owner

Levi Willis); Study on Television; **Amateur Radio** - Emergency Volunteers; BPL website; Enforcement Actions; **Scanning** - Hi-Jacked Frequency; Hoaxer Pleads Guilty

SEP **Schools** - School radio stations; teacher uses SW radio. **Amateur Radio** - BPL Team; Hawaii's Gov Vetoes Bill. **Scanning** - Fighting Fires with Relm; **Satellites** - Help from Above. **Milestones** - Congratulations AWR Global DX; John Kraus, Deceased.

OCT **Radio Honor Role** - Amateurs Respond to Wildfires; Amateurs Respond to Hurricane; Radio rules following hurricane.

**Amateur Radio** - FCC Clarifies Emergency Communication Policy. **Scanning** - Massachusetts Scanning; Media Rights at Stake in Australia; Frequency Recall in Rockland; Nextel Deal - Who Moves next?; Fast Leaner Mobex. **Broadcasting** - Canada Nixes CHOI; UK Urges Pirates to Go Legit; NASB Report on HCJB.

**New Technology** - Intel Announces Radio on a Chip

NOV **Amateur Radio** - Emergency Training for Hams. **Scanners** - Court Decision against McDermott. **Aviation** - Maintenance not "routine" **FCC** - FCC Tower-Siting Rules (historic bldgs), Children's Programming Rules, FCC Kid's Zone, FCC Chairman to be Replaced? **"Spacey" News** - DW Living in another World? **In Memoriam** - James O. Page

DEC **Amateur Radio** - Hurricane Heroes. **BPL** - FCC Okays BPL Rules, BPL in the Real World. **Beacons** - Hurricanes Activate Beacons, Appliance Emergency. **Public Safety** - Office of Interoperability and Compatibility. **Other Radio News** - ELF Radio Transmitters Shut Down, Balloon Collides with Tower, BWI Opens Wireless Lot, Flying Wireless.

#### COMPUTERS & RADIO

JAN Part 3: DRM Monitoring

FEB Part 4: DRM Monitoring Wrap-up and summary

MAR Flying High with AirNav's ACARS Decoder 2; DRM Update

APR Useful Programs for Radio Users (TRX-Manager, SeaTTY)

MAY Replay Radio - "A VCR for Internet Radio"

JUN Ham Radio Deluxe for SWLs

JUL Can Radio Monitors Love a Butterfly? MixW decoder/encoder/controller etc

AUG A Put-The-Pieces-Together Approach for Free (HamScope)

SEP ICOM's IC-PCR1000 Revisited

OCT Protect Your Passwords - Biometrics and the new BioStik

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 Minivair 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 WiNRADiO 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 Oasen 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 Americom-1; Americom-2; AnikF1; Anik F2 (C-band); WCPE update  
NOV 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 f1se 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

MAY	US Maritime Safety Information	ARRL Periodicals on CD 2003	Apr	Scanner Master PRO92/95 Case	Feb
JUN	ALE and World Events; NY Volmet Still Gone	ARRL Repeater Directory	Oct	Scanner Master 780 Remote Head	Sep
JUL	Morse Code Enters the 1970s!: Havana Harmonics (gurglers)	ARRL's Vintage Radio	Jul	Scott solar powered jacket	Nov
AUG	Unauthorized Utilities in Amateur Bands (unlicensed Pacific stations, African NGOs, government, military, spies)	Audio Power Amplifier Design	Jan	Scott TEC Sport Jacket	Jun
SEP	A Wandering Blue Star - US Navy ground station; digital voice on USB; BPL threat continues	Confidential Frequency List	Feb	SGC MAC-200 antenna controller	Feb
OCT	Single Letters Fill the Sky (new Enigma codes); National Guard ALE; Is HF Going Digital?	Domestic Broadcast Survey 6	Aug	Terk antenna for Sirius Radio	Mar
NOV	Hearing the Barking Sands; United Nations in Sudan; Interference on 6224	Electronic Gadgets for the Evil Genius	Aug	Terk XMCommander - XM Radio	Mar
DEC	US Navy Closes "World's Biggest Station" (ELF); Bern Radio Drops Voice and SITOR; New Raytheon Sea Radars	Faces of Railroadng	Jun	Tivoli Sirius Receiver	May
<b>VIEW FROM ABOVE</b>		Grundig Satellit - All Models	Apr	Uniden BC-246T	Jul
JAN	Changes in Civil and Mil WXSAT Systems; NOAA 12 & 14; NPP testing	Great Grundig Satellit 700	Apr	Uniden BC-246T coming soon	Oct
FEB	A Hint to NOAA (to make LRIT/HRIT accessible); More on future plans; WXSAT equip suppliers	Grove Military Freq Guide (CD)	Jun	Uniden BC-72XLT/BC-92XLT	Jul
MAR	WXSATs Plans for the Future; FengYun over Grand Canyon; Non-weather sat tx;Current Wxsat status and freqs	Grove Military Freq Directory (CD)	Aug	Uniden BC-898T	Jul
APR	Weather Satellite Reception Basics; NOAA-16 on the mend; NOAA-14 monitoring	Grove Federal Freq Directory	Oct	Valor noise canceling mobile speaker (Grove)	Mar
MAY	A Transmitter for Every Purpose; GOES Users Conference; Snow in Carolinas picture	How to Get Anything on Anybody	Jan	WinRadio WR-G313i (Grove)	May
JUN	The New NOAA and METOP Satellites: type of transmissions and possibility of encryption	IRCA DXers Technical Guide	Jun	XACT Communication Sirius rcvr	Nov
JUL	HRPT Hardware Failing; LRIT and LRPT Manufacturer Comments; GEO and RIG meetings in UK	IRCA Mexican Log	Jan		
AUG	Weather Satellite Reception - Easy to Advanced (special effects); NOAA-N Launch Postponed; New instrumentation for GOES	Klingenfuss SW Freq Guide	Mar		
SEP	Equipment Ups and Downs; Wx Sat Launches 2004-2018; Good viewing; full disk test image	NRC AM Radio Log	Oct		
OCT	NOAA-12 Power Problems; Wallops Command & Data Acquisition Station; Significant Weather Events; WXSAT Site Updates	Other Side of the Control Room	May		
NOV	Decoding APT by Ear; HRPT to APT	Passport to World Band Radio	Feb		
DEC	Endings. Hurricanes. End of WEFAX. LRIT-HRIT the Cheap Way. NOAA Polar WXSATs.	Passport 2005 prepub sales	Sep		
<b>WHAT'S NEW</b>		Quebec Frequency Directory (CD)	Jul		
<b>Books, CDs</b>		Police Call 2004	Feb		
APRS - Moving Hams	Jun	Police Call 2005	Dec		
ARRL Amateur RadioToday promo	Mar	Race Scanning	Jan		
ARRL Antenna Book	Jan	Radio Propagation: Practice and Principles	Jul		
ARRL General Class Manual	Oct	The Amateur Scientist (Sci Am)	Jun		
ARRL Handbook	Jan	The New Communications Technologies	Aug		
		Tower Site 2004 Calendar	Jan		
		VolP: Internet Linking	Oct		
		Zenith: The Glory Years 1936-1945	Apr		
		<b>Business news, Software</b>			
		Equatorial Line Diploma	Apr		
		Galapagos Is DX Diploma	Apr		
		G&G Communications	Mar		
		Ham software for Mac users	Sep		
		Mayah DRM010	Feb		
		Medium Wave Circle	May		
		Milestone acquires AMECO assets	Sep		
		PRO-2054 and -2096	Feb		
		Radioelectronics website	Nov		
		Radioprimer DX program	May		
		Satellit 800 discontinued	Sep		
		Uniden BCT8 update	May		
		Win96 for PRO-96	Feb		
		<b>Equipment</b>			
		Alinco EJ-47U digital voice module	Mar		
		Alinco DJ-C7T Pocket HT	Nov		
		AR5000A+3B receiver	Sep		
		C Crane AM Antenna	May		
		County Com SW receiver	Sep		
		DWM Yo-Yo-Vee antenna	Aug		
		Garmin Geko GPS receiver	Feb		
		GRE 800 MHz antenna w/swivel	Sep		
		IAC Double Bazooka antennas	Mar		
		Icom IC-703 QRP tx	May		
		Icom IC-R-20	Jul		
		LF Engineering H-900 Gain Probe antenna	Dec		
		Lightning Guard	Jun		
		MFJ 24 Hour Clock 5 time zones	Nov		
		MFJ accessories and catalog	Dec		
		Morse Express Christmas Key	Dec		
		Optoelectronics X-Sweeper	Aug		
		PAR pager interference filter (G)	Mar		
		Radio Shack Pro-83	Oct		
		Radio Shack Pro-96 CPU Upgrade	Oct		
		RadioShack Pro-2096 Scanner	Nov		
		Ramsey Bug kit and catalog	Dec		
		Sangean ATS-818ACS portable	Sep		

# 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:

Air Show 2005 Schedules MAR  
 Andrews: Busiest Air Base in U.S. MAR  
 ATL: The World's Busiest Airport NOV  
 Disaster on the Gulf - Katrina NOV  
 Monitoring Chattanooga DEC  
 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  
 Scanners brings race fans closer FEB  
 State of Louisiana TRS JUN

### Technical

Antenna Alternatives APR  
 Digital Radio Mondiale Symposium FEB  
 Harvester: Signal Intelligence JUL  
 Harvester: Part II AUG  
 New Comm Modes (IRC, chat, etc) JAN  
 News Feeds and Blogs JUL  
 Propagation Outlook, Summer APR  
 Propagation Outlook, Winter OCT  
 Recording using RecAll Pro FEB  
 (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; Rebanning  
 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 Pennings (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, Unruling 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?; Shoech'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

# Monitoring Times 2006 Index

## FEATURES

### Broadcast

Around the World in 24 Hrs	JAN
Beginners Guide to TV DXing	APR
DRM Broadcasts in Europe	NOV
Hi-Def Radio Fights Death Star	APR
IRIB: Islamic Republic of Iran BC	AUG
Lithuania Radio	SEP
SW Century Weekend	SEP
Tuning in to Baseball	JUL
UN Peacekeeping Stations	NOV
Venezuela on AM	APR
WWCR - 15 Years on the Air	MAR

### Nostalgia/Human Interest

A Visit with Bob Grove	DEC
Enigma Coding Machine	FEB
Growing Up with Radio	DEC
Intl Spy Museum	FEB
Radio in Belfast, Maine	JUN
Swan Island: Visitors Unwelcome	OCT
Teenage Radio Amateur	MAY
Zenith Transforms the Arctic and Amateur Radio	DEC

### Scanning:

Buffalo Scanning	SEP
Buying and Flying: MOA/MSP	JUN
Charleston SC Scanning	JUL
Dallas - A City Shaken	NOV
Ft Worth TX Scanning	JUL
Interoperability Freq Allocations	FEB
Interop in NYC; Comm Vehicle	FEB
MT's Annual Air Show Guide	MAR
Scanning Oklahoma	JUN
"Signal Stalking" at the Ballpark	JUL
Two-Tone Fire Tones	AUG

### Technical

Band Master software package	JAN
Gerryrigging a Contact	JAN
MT Satellite Review 2006	AUG
Propagation, Space Wx, and You	SEP
Propagation Outlook: Apr-Sep	MAR
Propagation Outlook: Oct-Mar	OCT

### Utility

Hams with a Mission	MAY
Just do it! (Take the test)	MAY
To Catch a Spy	OCT
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 Deacle? 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, Electrocution 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 Misco 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 Adventuress  
 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 SITOP-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 SECOT  
 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 Freq 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; <i>Which Platform</i> ; 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 Scorching 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 Statute 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, Chautauque Co,  
Westchester 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 Select-A-Tenna models; using TV splitter w/two scanners  
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 call signs; 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; BLANDX 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
JUN	HFDL: Everything You Ever Wanted to Know	Pak-Lite emergency light	Dec
JUL	US Coast Guard May Drop HF Broadcasts; Air Force MARS Change; DX Tuners Closes; Cuban PSK Testing	RatTail Antenna Booster	Feb
AUG	Year-Long XSS Mystery Solved	Tac-Comm Tactical Radio Carrier	Apr
SEP	PC-HFDL: A Good Program Gets Better; VHF HFDL Counterpart Now Active; XSS is TASCOMM?	WinRadio AX-81S Active HF Ant	Jul
OCT	Spooky Communications - Israeli Phonetic Alphabet Station; Long EAMs Aren't Spooky; Has Cycle 23 Bottomed?	Xtal Set Soc - 3 new kits	Apr
NOV	Summertime in Antarctica; More Google Earth exploring	Xtal Set XS-DE Dual-earpiece headphone kit	Aug
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