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 Monitoring the Crisis in the Balkans JUN
 The Rise and Fall of WCC DEC

Time Standard Stations JAN DEC The Popular Half-Wave Antenna

AMERICAN BANDSCAN

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

...AND MORE!

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

ANTENNA TOPICS

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

BEGINNER'S CORNER

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

BELOW 500 kHz

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

WASHINGTON WHISPERS

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

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

WHAT'S NEW

Books:

| | | | | | |
|---|-----|---|-----|------------------------------------|-----|
| AM BC Stn Antenna Systems | MAY | IC Master online | MAR | MFJ Atomic Clock,monster display | JUL |
| Antenna Site Operating Guide | APR | Icom promotions | DEC | MFJ field strength meters | SEP |
| ARRL Wire Antenna Classics | OCT | Icom repairs: MalcolmTech Support | | MFJ Helping Hands kit tools | OCT |
| BeaconFinder | JUN | | JUL | MFJ Jim Handy Interface | MAR |
| Buying a Used SW Receiver | FEB | IC-R2, IC-Q7A software on line | AUG | MFJ Ni-MH Batteries | OCT |
| Collectors Guide to Vintage TVs | AUG | Inmarsat mini-M for aircraft | JUL | MFJ RuffRider mobile antennas | APR |
| Compendium of RR Freqs | JUN | JPS Comms, leaving ham sales | JUL | MFJ 24-Hr clocks | JUN |
| Cop Talk! | AUG | Magellan Geographix website | JAN | MFJ shack clock | NOV |
| A DXer's Technical Guide | FEB | Magellan S@tellite Modem | SEP | Milestone Tech TA-1 CW paddle | DEC |
| FM Atlas (18th) | NOV | Marbian Productions changes | MAR | NCT ClearSpeech Speaker | APR |
| Govt Radio Systems: CA | JUL | Midland Consumer Radio recall | DEC | OptoCom available from Grove | MAR |
| Hiram Percy Maxim | JAN | MFJ acquisition of Hy-Gain Ant | JUL | Optoelectronics MiniScout (G) | JUN |
| Home Video | MAR | MT Express debut (G) | NOV | Pelican computer case | JUN |
| Insanely Great Software WinWeather | | Oak Hills Research bought by Milestone Technologies | JUL | PowerSafe 2000 | NOV |
| Int'l Satellite Directory | SEP | Optocom utility v 2.1 on line | SEP | Radio Shack PRO-92, -94, -2052 (G) | OCT |
| Klingenfuss books: | | Parnass' RadioMaps | FEB | RadMan RF field monitor | JAN |
| SW Freq Guide, Guide to Utilities, Radiotelex Messages, Super-Freq List on CD (G) | APR | Police Call on CD (G) | NOV | Receivers for dogtracking (G) | MAY |
| Klingenfuss Guide to Wx Services | AUG | QSLs by W4MPY | FEB | RF Bug | OCT |
| Ladder Crystal Filters (MFJ) | SEP | Quebec Freq Dir on disk | NOV | RSM shortwave loop | JAN |
| Mahlon Loomis, inventor of Radio | MAR | Radio HF email newsletter | MAY | Sangean SR-2 AM/FM (G) | AUG |
| McGraw-Hill Electronics Books | MAY | Radio Mali on CD | DEC | SETI package from Grove | JUN |
| MT Express Debut | NOV | Radio Shopper magazine | JUN | Snap-Trak, Inc GPS chip | AUG |
| NRC AM Radio Log | DEC | Rarities-Exchange.com via sat | APR | Sperryspectrum analyzer (G) | SEP |
| NRC AM Station Map Book | JUL | Relm discontinues scanners | OCT | TERK clip-on TV antennas | JUN |
| On the Short Waves | JUN | Rich Wells dealer survey site | AUG | TrackMaster Arrow Tracking Sys | MAY |
| Police Call 1999 (Grove) | FEB | ScanCat supports TenTec RX320 | JAN | Triplite Super10 surge protectors | APR |
| Radio Happy Isles | DEC | SESCOM catalog and give-away | SEP | Trudell Dish-pod | MAR |
| S Fla Trunking Guide | MAY | Skyvision catalog | OCT | Uniden BC245XLT (G) | JUL |
| SW Guide to SE Asia | APR | SmartScanner service now available | | Uniden BC278CLT, 248, 244 | AUG |
| The Covert Catalog | AUG | | NOV | Wavecom W40PC DSP card | AUG |
| Trunked Radio Systems (Calif) | JAN | Swagur-Timestep agreement | FEB | WorldSpace receivers unveiled | MAR |
| Trunked Radio Systems (Calif) | OCT | Swezey DSP filter for SW | DEC | | |
| Voices in the Purple Haze | SEP | TDP available on line | AUG | Reviews: | |
| Weathering the Storm | AUG | Timestep PROsat for Windows i | APR | Active Duck for HH (G) | DEC |
| WRTH 1999 (Grove) | FEB | Traffic Radar Handbook on line | NOV | Alpha Delta speaker / Icom Q7A Tx | JAN |
| Xtal Set Society, Vol 8 | JUL | Ultimate TIS Digest online | NOV | AVCOM SDM42A SDU | APR |
| Your Guide to Propagation | MAR | Uniden closures | JUN | Bose v. Zenith Challenge | MAR |
| | | Uniden BC-245 manual online | SEP | Crane/Sangean CCRadio | FEB |
| | | WinRadio software upgrades | DEC | E-Trax software utility | SEP |
| | | WUN Frequency Guide CD (G) | MAY | EXP-1750 LF transceiver kit | JUN |
| | | Yaesu buys Standard | AUG | JRC NRD545 with VHF/UHF converter | MAY |

Software, Videos, Services, etc.

| | | | | | |
|--|-----|-------------------------------|-----|---|-----|
| Agrelo DF ing distributor SWS | MAY | Equipment: | | Kachina 505DSP | OCT |
| AirNav tracking software | FEB | AOR Pocket receiver AR16B (G) | JUN | Klockit clock kits | NOV |
| Alinco DJ-195T & DJ-V5T HTs | JUL | AOR SDU5500 SDU | JUL | Kloss Model 88 AM/FM radio | JUL |
| aRFive AR5000 software control | FEB | BayGen lantern (Grove) | JAN | MFJ Deluxe Noise Canceling Signal Enhancer MFJ-1026 | AUG |
| AR7030 improved | SEP | BayGen Global SW rx (G) | DEC | OptoCom receiver (feature) | MAY |
| Atlantic Ham Radio taken over by Radioworld, Inc | JUL | Bearcat bonanza (G) | APR | Radio Shack Tuner Control Cleaner | |
| Australasian SW Digest (sub) | AUG | ComBox SatStream PC | JAN | | |
| BetaSphere beta testing | FEB | Craftsman digital multimeter | SEP | | |

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

MONITORING TIMES. November 1994. Rocky Beginnings May 6. 1931. was a most important clay in the history of French shortwave broadcasting. November 1994. MONITORING TIMES. 11. FIGURE 2. "PopCom m INDEX1~1~T. (" 1 111 1:: ""11~ 1m. " :Urin'. Suite 27.,;J San I>ici:o. CA 92122 . Sampling strategies Monitoring involves qualifying pollutant behaviour in both space and time. A good network design should therefore seek to optimize both spatial and temporal coverage within the constraints of available resources. The previous section focused on maximizing spatial coverage and the representativity of measurement. Fixed monitoring stations poorly describe exposure for a short time period. However, personal exposure is better related to ambient levels when 8-hour or longer time averages are used. Emission data and the location of the most important sources give valuable information on the hot spots for the siting of monitors.

