

MT 1993 INDEX

FEATURES:

Broadcast:

A Salute to Radio Prague	Aug
Arthur Cushen: Blind Broadcaster	Dec
Australian Army Radio	Oct
Deutsche Welle's Malta Relay	May
DXing the Two Koreas	Sept
DXing SW from Central America	Nov
Eastern European Perspective	March
Farewell Visit to WCC	Sept
Log The Tough Ones (MW)	Feb
Radio for Peace International	July
Radio Free Bougainville	Feb
Rebel Radio and Fidel Castro	April
Tuning into Swaziland	June
Voice of Free China	Jan
WEWN: Reaching the People	Oct

Human Interest:

AMARC: Community Radio	Aug
Antarctic Antenna Riggers	Nov
Broadcasting at the Drive-In Movies	June
Computerized Flight Program	May
Educational Radio in Costa Rica	Sept
Guest Editorial from UK	May
Manhunt in the Grand Canyon	July
Steve and Elwood's Weird Adventure	Aug
Stranded in a Storm: A CBER's Story	March
The Annual MT Convention	Dec
Tuning in to our National Pastime	July

Technology and Technical:

ATC For the 21st Century	Feb
Computer Bulletin Boards	May
Case of the Vanishing Satellite	June
GPS—The Future is Here!	Jan
Hamfest Fever	Aug
Homebrew Antenna Special	April
The Accommodating Wire Antenna	April
The Friendly Computer	May
Update on C-SPAN Audio Networks	Feb

Nostalgia:

The Zenith TransOceanic	Jan
The Ghost of Reginald Fessenden	Nov
The Unique Story of T14NRH	March

Scanning:

A Look into the Navy's Crystal Box	Oct
Backstage at Your Local Live Shot	Dec
Cross Country Flight Comms	Feb
First on Scene at an MVA	Nov
Listening to the Lakers	May
Monitoring the Movies	Aug
New York Port Authority	Sept
Rural Fire Departments	Jan
Scanning the U.S. Navy	May
Scanning the Smokies	June
Scanning the State Fair	Sept
Scanning at the Oshkosh Fly-in	July
The Night A Flying Saucer Landed on my Scanner	April
Tune in Those Sleepy Suburbs	Oct
VHF Low Band Skip	Jan
VHF Low Band Skip Part Two	Feb
What Does Your Scanner Hear?	July

Utility:

Gander Radio	Nov
HF Maritime Monitoring	Oct
Inside NOAA Weather Radio	Dec
Monitoring the Mississippi Crisis	Aug
Monitoring the Mexican Military	March
The Jayhawks Are Coming!	March
Voices from Bosnia-Herzegovina	June

AMERICAN BANDSCAN

JAN	Gil Gross
FEB	WSM-FM, Nashville, TN
MAR	WCDT, Winchester, TN
APR	DecalcoMania
MAY	What's TIS—Traveler's Information Svce
JUN	Steve LeVeille, Christian Science Monitor
JUL	DXers Best Equipment
AUG	Prerecorded Broadcasting
SEP	Become an AM DXpert
OCT	WLIR, Jewish Radio
NOV	National Public Radio's Talk of the Nation
DEC	Allan Handelman's <i>East Coast Live</i>

ANTENNA TOPICS

JAN	A Log-Periodic Array for 220 to 450 MHz
FEB	Vehicular Mobile Antennas
MAR	Antenna Impedance, RDF, Reciprocity
APR	The Full-Wavelength Loop
MAY	An HF Collinear Sloper Beam, NVIS, Garden Hoses, BLOS, and More
JUN	Transmission Lines: An Important Link in the Signal Path
JUL	The Unusual, the Weird, and the Winners
AUG	Standing Wave Ratio
SEP	The Halfwave Dipole and the Groundplane
OCT	Differences Among Dipoles: The Right One for the Job
NOV	Limited Space Antennas for HF
DEC	Long, Short and Shorter Antennas

BEGINNER'S CORNER

JAN	A Brief, On Air Tour
FEB	The Confirmed Monitor: QSLing
MAR	Getting Grounded
APR	Beginner's Guide To Clubs
MAY	Outside Antenna Maintenance
JUN	Being a Beginner
JUL	In Search of Pirate Gold
AUG	Cool Summer Reading
SEP	My Summer Vacation—Disney World
OCT	First Contact (New Ham)
NOV	Code Busting with Uncle Skip
DEC	Keeping the Fun in Radio Monitoring

BELOW 500 kHz

JAN	SWLs Come On Down
FEB	Lowfing Around
MAR	News, Loggings and Trivia
APR	Better Beginnings
MAY	A Look Back
JUN	LowSpeak—Terminology
JUL	On The Road
AUG	Focus on the 5th District
SEP	Classic Longwave (old receivers)
OCT	Why Beacons?
NOV	LF Loop Circuit
DEC	Longwave Q&A

BOB'S TIP OF THE MONTH

JAN	Realistic® PRO-39 Cellular Restoration
FEB	Light Bulb Static Interference
MAR	Build This Wideband Attic Antenna
APR	Grove CVR-1 Scanner Mod
MAY	Realistic® PRO-46 Cellular Restoration
JUN	Permanent Backlight for the BC200XLT
JUL	Uniden BC890XLT Cellular Modification
AUG	An SWL's Slinky
SEP	Grove SDU-100 Interference Improvement
OCT	Intermittent BNC Connectors
DEC	Memory Clear for the Realistic® PRO-43

COMPUTERS & RADIO

JAN	Data Designs DXLOG
FEB	PC History
MAR	ScanStar 2.30
APR	Microcraft Personal Code Explorer
MAY	C-64 Software
JUN	AEA FAX vs PC HF FAX 6.0

JUL	The Year for the CD ROM; Chestnut Ham
AUG	Radio ROMing; Amsoft World of Ham Radio Vol. 2
SEP	Ham Windows 3.0 Plus
OCT	Ham Windows 3.0 Plus—Part Two
NOV	Pioneer Hill Audio Spectrum Analyzer
DEC	Readers' Letters

DEMAW'S WORKBENCH

JAN	Build a Simple Low-Frequency Converter
FEB	Build a Low-Cost Transistor Tester
MAR	Balanced Feeders for SWAntennas
APR	Baluns & Antenna Height
MAY	Add WWV to that Old Receiver
JUN	Choosing and using a VOM
JUL	Make Circuit Boards-Ugly Style
AUG	Low Cost Wooden Cabinets
SEP	Boosting AM BC-Band Reception
OCT	Build a BC-Band DX Receiver
NOV	Build a BC-Band DX Receiver—Part Two
DEC	Homemade Tuning Dial and Speaker

DIGITAL DIGEST

JUL	An Overview
OCT	POCSAG, GOLAY and ACARS
	PacTOR and CLOVER II
	Flightlink-Super Mario at 35,000 Feet
	From Apples to Newtons
	Add a Little Diversity to Your Monitoring
	Reference Sources

EXPERIMENTER'S WORKSHOP

JAN	Scanner Frequency Activity Tagger
	For the PRO 2004/5/6 & Other Scanners
FEB	Automatic "Birdie" Bypass
MAR	Frequency Counters
APR	Use A Frequency Counter As A Digital
	Readout For an Analog Receiver
MAY	S-Meter and Other Mods for the PRO-43
JUN	Easier Memory Expansions for the PRO-2004/5/6
JUL	Receiver Selectivity and How to Improve
AUG	How to Improve Receiver Selectivity-II
SEP	S-Meters Old and New
OCT	Reverse Polarity Protection
NOV	Proper Care and Feeding of NiCd Cells
DEC	Build a Low Noise, Wideband RF Preamp

FEDERAL FILE

JAN	Monitoring Tricks, California Angels
FEB	Fleet Satellite Comm Systems, Lockheed
	Flight Test Operations
MAR	Aurora Doesn't Exist, TR3A Black Mantas
APR	Monitoring Gizmos and Gadgets, FLTSATCOM Positions
MAY	Hybrid Scanning, Military Map Source,
JUN	Bits and Pieces, VCR Scanner
	Recorder Tips
JUL	Scrambler Scramble, Blue Angels
	Grounded, Hillary's Visit, Stealth Update
AUG	What's Your Sign? (Military Callsigns)
SEP	High Seas and Ultra High Freqs, W/WMN
	Military Monitoring
OCT	Treasury Dept., Presidential Five-O
	Visit, Bridgeport, NJ Freqs
NOV	Extra Mailbag; Royal Netherlands Air Force
DEC	Secrets of Stealth Hunting, Operation Roving Sands Frequencies

HIGH SEAS

JAN	VHF Radio Channels Revisited
MAR	Another Nail in the Coffin (CW)
MAY	Private Ship-Shore & Intership
	Freqs and some other things, too.
JUL	This 'n' That; Collective Callsigns
SEP	Ship Weather Observations
NOV	Ship Weather Observations Part 2

MAGNE TESTS

JAN	Lowe's Compact SRX-50 Portable
FEB	Casio Debuts with PR100 Portable
	Giro's New R918 Portable
	Yaesu's Tabletop FRG-100 Preview
	Full Report on Lowe HF-150 Now Out
MAR	Sangean AT606p
APR	Grundig YB 205
MAY	Yaesu FRG-100; The Little Radio That
	Could (With Help); \$14.95 Radio
JUN	Sony ICF-SW33
	Revised "World Access Radio"
JUL	Panda Digital Portable
	Nothing further on World Access Radio
AUG	Grundig's Yacht Boy 400
	World Access/Electrola Tabletop Preview
SEP	American Electrola DXC-100/World
	Access Radio 8A
OCT	Sony ICF-SW77 Portable (Revised)
NOV	Static Arrestors
DEC	Sony ICF-SW30

ON THE HAM BANDS

JAN	Batteries and Battery Packs
FEB	PLANET—Environmental Radio
MAR	Low Band DXing
APR	Low Power Station Monitoring
MAY	Satellite Communication
JUN	Tracking Amateur Satellites
	QRP Update
JUL	Pasokon SSTV
	The K4TWJ QRP Pen
	FCC Visits 14.313
AUG	Good Rigs at Low Cost
	New All Band (160 thru 10) Meter Antenna
SEP	Novice Activity
OCT	DXCC
	Extended Double Zepp
	RS-15 (Radio Sputnik)
NOV	Buying, Rejuvenating and Using Older
	Radios
DEC	The Amateur Antenna

OUTER LIMITS

JAN	WFIF-AM, National Vanguard Radio,
	Pirate Fax station, Voice of Broad Masses
	of Eritrea
FEB	Romantic Space Radio, Somalia
	Clandestines, Korean Clandestine, 31
	Meter Clandestines, Digital Pirates,
	He Man Radio vs. WLIS
MAR	1992 Breaks Pirate Activity Record,
	WMXN-FM Relay, Black Liberation Radio,
	European Pirates, Radio Free Bayonne
APR	CCC Radio Creates Controversy
	RMI Clandestine QSLs, WMXN-FM Relay
	Busted, Voz de la Resistencia de Gallo
	Negro, Voice of the Khmer, Black
	Liberation Radio
MAY	Europirates, Southern Music Radio
	Relays, Radio Policy, Radio N, Radio
	Peace in Action, Radio Caroline, CCC
	Radio Address Update, 1993 Worldwide
	Pirate Radio Logbook
JUN	The Crowd on 41 Meters, USA Right Wing
	Clandestine QSLs, Korean Clandestine,
	Radio Caroline
JUL	Anti-Castro Clandestines Jammed, Radio
	G'day from Australia, Haiti Clandestine
AUG	VOA Using 7415 kHz, Cuban Jamming
	Update, California Free Radio
SEP	Many Pirates Moving Near 7470 kHz,
	Europirate QSL'S, Check Out 6840 kHz
OCT	Radio Brod Off Air, Then On Air, TV Marti
	Off, Brother Stair On?, Pirate TV?, Ernest
	Zundel, Ancient Clandestines, KIWI and
	DLR

NOV

Pirate Radio Spanish QSOs Identified, TV
Marti Blows It Again, Two Good Cuban
Targets, Vatican Numbers QRM, WRM
Gets Publicity
Cuban Clandestine Ratings Claimed, Jorge
Mas and Cuban Pirates, Voice of Human
Rights and Freedom for Iran, Europirates

DEC

PLANE TALK

FEB	Radar
APR	Shanwick Welcomes a DXer
JUN	Keeping Out of Harm's Way (ATC radar)
AUG	Flight software, microburst
	simulation, and more
OCT	The Pilot's Perspective
DEC	Selective Calling

PROGRAM SPOTLIGHT

JUNE	International Broadcasts for Women
SEPT	Music on the World Bands
DEC	International Broadcasts on Books
	and Literature

RADIO REFLECTIONS

AUG	The Information Age
	(Smithsonian Radio Display)
NOV	1947 Zenith Transoceanic Model 8G005

READING RTTY

JAN	The RTTY Decoder Olympics
FEB	Korean RTTY
MAR	A High Tech Story (new modes)
APR	Hey, Bow Ties Are In
MAY	Tuning in Facsimile (last column)

SATELLITE TV

JAN	Low Cost Satellite TV Systems
FEB	Direct Broadcast Satellite Update
MAR	Small Dish and LNBF Update
APR	A Ku-Band Primer
MAY	The Mailman Cometh
JUN	1993 World Satellite Yearly
JUL	Hi-Fi DXing via Satellite
AUG	Radio Sweden's TVRO Guide
SEP	Hi-Tech Changes in the TVRO World
OCT	Those Astonishing Amateurs
NOV	European Ku Band Viewing
DEC	New Publications Review

SCANNER EQUIPMENT

JAN	Realistic® PRO-39 Handheld Scanner
FEB	Uniden Bear Tracker BCT2
MAR	Uniden BC172XL
APR	Realistic® PRO-46 Handheld Scanner
MAY	Uniden Bearcat 700A Scanner
	Cellular Restoration for the BC700A
JUN	AOR AR33B
	Scanner Sensitivity
JUL	Uniden BC890XLT Scanner
AUG	Realistic® PRO-44 Handheld Scanner
SEP	Uniden BC2500XLT
OCT	Yupiteru MVT-7100
NOV	Uniden BC8500XLT Scanner
DEC	Realistic® PRO-2028

SCANNING REPORT

JAN	Antenna Tune-up
FEB	Aircraft Radio
MAR	Inside 911
APR	Common Scanning Questions
MAY	Public Service
JUN	Vacation Fun
JUL	Scanning the Weather
AUG	Monitoring the PA Turnpike
SEP	Invisible Antennas
OCT	Scanning the Mounties
NOV	Scanning the US Mail, UPS and Armored
	Trucks
DEC	OptoElectronics Interceptor

UTILITY WORLD

JAN	Ring out the Old, Ring in the New
	New Aero Freqs
	New Callsigns
	Attention Aero Buffs
	New Military
FEB	Tracking Time
	Restore Hope Update
	Selscan Listening
	Interesting Intercepts
MAR	CFARS
	14648.0 Identified
	IBA Update
	Medium Freq Coastal Radio Stations
APR	Maritime Monitoring
	Major US Coast Guard Change
	NMF Broadcast Information
	New Navy MARS Callsigns
MAY	Ute QSLs
	UVA Identified
	Astrophysical Observatories
	Government SSB Nets
	Weather FAX Products
	SRI Discontinues RTTY Service
	WFLA AM-970 on HF
JUN	You Want Beacons? Go Fish
	RTTY-Decoders or PC?
JUL	The Goldwing System
	Blue Angels Flying High
	German Ute Callsigns
	Two New LDOC Stations on the Air
	An Important New FAX Frequency
	Aero USB-An Experiment
	Red Cross Geneva Frequencies
	FDLE Frequencies
AUG	Major World Air Routes
	Major World Air Routes Areas
	(MWARA)
	NAVTEX for Capetown Radio
	African Meteo Stations
SEP	Good-Bye to ZLW
	NMN Info
	NAVTEX Broadcast
	Facsimile Broadcast
	HOKA Code 3-Round 21
	KC-135 Tanker HF Bandplan
OCT	Aero RTTY
	Stettin Radio Frequencies
	MAS Update
	Offutt Radio Sites Visited
	Coast Guard Cutter Update
NOV	Intro to Utilities
	Update on Yugoslavia Freqs
	Netherlands Military Callsigns
	USAF MARS Packet Network
DEC	CW is Dead!
	US Navy Call Signs
	Shuttle Amateur Communications
	Pot Luck Frequencies

WHAT'S NEW

Reviews:	CD-1 Decoder	March
	Cellshield	June
	Grove CVR4 Scanverter	Aug
	Grove SDU-100 Spectrum Analyzer	Nov
	ICOM GP-22 Position Locator	July
	JPS NIR-10 Noise/Interference Unit	Feb
	Junghans Mega RC Clock	Dec
	MFJ Mobile Scanner Antenna	June
	Millenium Rechargeable Battery	Aug
	Nitelogger	Sept
	OptoElectronics Interceptor	May
	PRO-2006 Mobile Mount	April
	Ramsey Speech Kit	Sept
	Realistic® Amplified SW Antenna	July
	Sangean Reel Out Antenna	May
	SCA Capable FM Radio	April
	Touchstone by EEsol	Jan
	Universal M400 Decoder	Aug
	WWV Format Clock	May