

Monitoring Times 1998 INDEX

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Broadcast:

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

Human Interest:

Excellent DX Adventure	Aug
Jamming Wall	Nov
Real World Radio	Jan

Miscellaneous:

1997 MT Index	Jan
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ACE Solar Storm Alert	Feb
Apartment Monitoring	Nov
Art of Professional Dispatching	Jan
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Cryptography	Oct
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Take a SW DXpedition	Sep
World-Class DXing	Mar

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

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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
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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
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Quickie, Snap-on Tower Bracket	Apr
Restoring that old AM Radio	Aug
Safe SHOALS	Mar
Simple Battery Discharger	Mar
Splitting a Signal	Jan
The Ten-Tec Receiver Kit (1254)	Sep

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

Utilities:

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

AMERICAN BANDSCAN

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

...AND MORE!

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

ANTENNA TOPICS

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

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

BEGINNER'S CORNER

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

BELOW 500 kHz

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

BOB'S TIP OF THE MONTH

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

DEC Using Grove FCC Database with Windows 98

CLOSING COMMENTS

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

COMPUTERS & RADIO

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

DIGITAL DIGEST

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

EXPERIMENTER'S WORKSHOP

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

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

FEDERAL FILE

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

GLOBAL FORUM

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

K.I.S. RADIO

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

LAUNCHING PAD

NOV Learning to Love Satellites
DEC Tuning in SW via Satellite

MAGNE TESTS

(Reprints of Magne Tests reviews are not available.)

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

MILCOM

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

ON THE HAM BANDS

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

OUTER LIMITS

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

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

PCS FRONT LINE

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

PLANE TALK

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

PROGRAMMING SPOTLIGHT

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

PROPAGATION CONDITIONS

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

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

QSL REPORT

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

SATELLITE TV

JAN Panamsat 5 Flies
 FEB China Central Television (final)

SCANNER EQUIPMENT

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

SCANNING REPORT

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

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

UTILITY WORLD

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

VIEW FROM ABOVE

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

WASHINGTON WHISPERS

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

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

WHAT'S NEW

Books:

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

Software, Videos, Services, etc.

AirMedia internet antenna	Mar
Antennas West closes/lives on	May

Equipment:

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

Reviews:

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