QST Index 2005

75, 50 and 25 Years Ago (Brogdon)

January 1930, 1955, 1980: Jan, 100 February 1930, 1955, 1980: Feb, 98 March 1930, 1955, 1980: Mar, 87 April 1930, 1955, 1980: Apr, 97 May 1930, 1955, 1980: May, 96 June 1930, 1955, 1980: Jun, 88 July 1930, 1955, 1980: Jul, 92 August 1930, 1955, 1980: Aug, 83 September 1930, 1955, 1980: Sep, 92 October 1930, 1955, 1980: Oct, 93 November 1930, 1955, 1980: Nov, 100 December 1930, 1955, 1980: Dec, 84

Amateur Radio World (Patton)

- Amateur Radio Emergency Communication Focus of World Conference: Oct, 89
- April 18, 2005 Marks the Annual Amateur Radio Day: Apr, 80
- ARRL and IARU Region 2 Visit Central America: Jun, 64
- ARRL Attends the Federacion Mexicana de RadioExperimentadores' Convention: Mar, 78
- IARU Eyes Global Coordination of Amateur Radio's BPL/EMC Response: Dec, 74
- IARU Region 3 Chairman Peter Naish, VK2BPN, Silent Key: Apr, 80
- World Wide Young Contesters Gather in Croatia: Jan, 94

News From Around the World

Ham Radio Regulatory Changes Reported Abroad: Aug, 80

- IARU Votes to Admit Guinea: Aug, 80
- Japan to Relax Morse Code Licensing Requirements: Aug, 80
- RSGB International Examination Grows in Stature: Aug, 80

Briefs

- 5 MHz channels proposed for VK; RSGB proposes expanded 500 kHz band: Jan, 94
- Ham Radio 2005 in Friedrichshafen, Germany; Tokyo Ham Fair 2005 (Japan): Apr, 80
- RSGB President to serve an extra year (Jeff Smith, MI-AEX); Germany now issuing DP and DQ calls; Samoa society name change: Oct, 89

Amateur Satellites (Ford)

Fuji-OSCAR 29: Mar, 84 HamSat—Just in Time for Field Day: Jul, 85 PCSAT-2 and SSETI Express: Dec, 77 Where Are The Satellites: Aug, 81

ARRL in Action (Ford)

400+ Gather at WNY Section Convention (Ford): Dec, 12
49th ARRL Affiliated Club in Southern Florida (Palms West ARC): May, 13

- A Memorable Encounter in Tennessee: Mar, 13
- A Model Program in Austin: Jul, 12
- A New HF Power Amp Debuts in the 2006 Handbook: Oct, 13
- A Special Field Day Visit (Glenn Diggs, W4BFQ, 50 year ARRL member plaque): Nov, 13
- Alabama Section Answers the Call: Apr, 13
- An HQ Ham in Alabam: Sep, 12
- AOR Donates Digital Voice Modems to W1AW: Mar, 13
- ARRL 2004 Periodicals CD is Year-long Project: Jan, 13
- ARRL and RSGB Collaborate on New Book: Feb, 12
- ARRL at EMCOMMWEST 2005: Sep, 13
- ARRL at NAB (Heyn): Aug, 12; Feedback: Oct, 35
- ARRL at Tampa Bay Hamfest: Mar, 12
- ARRL Beefs Up Web and Publications Support: Nov, 13
- ARRL Club Commissions are Back!: Feb, 13
- ARRL Community Education Program Keeps on Rolling: Jul, 13
- ARRL Eastern Washington Section Convention a "Resounding Success": Jan, 13
- ARRL Education Project Holds Inaugural Session: May, 13
- ARRL Exhibits at National Emergency Management Association Conference: Jun, 12
- ARRL Honors Massachusetts Teacher (Donna LaRoche): Feb, 12
- ARRL Meets the Top Cops: Apr, 12
- ARRL Meets the US Power Squadrons: Jan, 12
- ARRL Midwest Convention a Hit: Oct, 12
- ARRL Opens Its Doors for JOTA 2004: Jan, 13
- ARRL Participates in 8th Annual Communications Academy: Jul, 13
- ARRL President Welcomes Young Amateurs at Ham-Com: Aug, 13
- ARRL Promotes Science in the Classroom: May, 13

ARRL Releases Radio Public Service Announcement: Apr, 13 ARRL Sets Sail at Seven Seas Convention: Mar, 12 ARRL Staffer Testifies on BPL at California Hearing: Jun, 13 ARRL Vice Director Keeps in Touch at W1AW: Oct, 12 ARRL Volunteers Showcase Ham Radio in North Carolina: Dec, 13 ARRLWeb Tracks VHF, UHF and Microwave Activity: Mar, 13 Benvenuto a Italia!: Mar, 12 Enthusiastic Crowd at ARRL Nebraska State Convention: Jan. 12 Enthusiastic Gathering in South Dakota: Aug, 12 Free ARRL Amateur Satellite Presentation: Feb. 13 Free ARRL PowerPoint Presentations: May, 12 Good Turnout for the ARRL Mississippi State Convention: May, 13 Hams Rally in Raleigh: Aug, 13 Headquarters Editor Assists National Scout Jamboree: Nov, 12 Headquarters QSL Service Processes 1.1 Million Cards in 2004: Apr, 13 HRU 2005: Back to School: Apr, 13 Hurricane Katrina Relief: Nov, 12 K1ZZ at the Library of Congress: May, 12 K1ZZ Goes to Washington: Sep, 12 KG4IUM Receives Maxim Award Plaque in Georgia: Feb, 13 Larger Crowds at Orlando HamCation: Jun, 13 League-Affiliated Club Hosts "Poor Man's Hamfest": Sep. 12 League-Affiliated Club Promotes Amateur Radio: Aug, 12 League Honors Chuck Cullian as ARRL Rocky Mountain Division Radio Amateur of the Year: Jan, 13 League Represents Amateur Radio to Community Service Group: Jun, 13 League Unveils ARES E-Letter: Nov, 12 League Volunteers on Hand for Proclamation Signing: Oct, 12 League Volunteers Participate in Alabama Emergency Exercise: Jun, 12 Microwavers Meet in Dallas, Donate \$1000 for Frequency Defense: Feb, 13 National Award Bestowed on ARRL Graphic Designers (Sue Fagan and Diane Szlachetka): Dec, 12

New ARRL Video Now on DVD! (ARRL Goes to Washington): Dec, 13 New League Book is Everything Mobile (Amateur Radio on the Move): Oct, 12 Oklahoma!: Jul, 12 Our Man at the Consumer Electronics Show: May, 12 Pennsylvania Amateurs Defy Cold and Rain: Sep, 13 Public Service Means Busy Weekends in the Wisconsin Section: Feb, 12 Severe Weather Workshop: Jul, 12 Summertime in Sussex: Dec, 12 Surprise Honor Roll (George Hancock Sr, N5GH): Apr, 12 Two League Awards in the Dakota Divison (Dick Hunt, KØMG, and Randy "Max" Wendel, KMØD): Apr, 12 Vote for your Favorite QST Article!: Dec, 12 Weather Sats are a Learning Experience: Jan, 12 What Comes Down Must Go Up—With Help from a League Volunteer: Mar, 13 Wisconsin Volunteer Offers Unique EmComm Education: Jun, 12

Inside HQ (Kramer)

Amateur Radio Clubs: Nov, 13 ARRL VEC: Sep, 13 On-Line Courses: Aug, 13 Product Reviews: Oct, 13 Washington Team: Dec, 13 Web Transactions: Jul, 13

Media Hits (Pitts)

9-1-1 Magazine; Ardmorite (Ardmore, OK); Boston Herald; Tribune-Star (Terre Haute, IN); The Beacon (Acton, MA); The Jackson Sun (Jackson, TN): Jun, 13

Advertiser-Tribune (Tiffin, OH); Tech News (Worcester Polytechnic Institute, MA); The News-Press (Ft Meyers, FL); Belmont Citizen-Herald (MA); WBZ radio 1030-AM (Boston); The Kentucky Standard: Feb, 85

City Life Magazine (New Orleans, LA); Times Daily (Florence, AL); San Diego Tribune; Richmond Times-Dispatch; Independent Press (New Providence, NJ); Star-Ledger (NJ): Aug, 13

Countryside and Small Stock Journal; St Petersburg (FL) Times; Dayton Daily News (OH); NBC-5 TV Dallas, TX; Newschannel 15 TV Fort Wayne, IN: Sep, 13

KOAT News (Albuquerque, NM); The Daily World (Aberdeen, WA); FireRescue Magazine: Apr, 69

Miami Herald; New Jersey Herald; The Hill (Washington, DC); Lansing State Journal (MI); Air Force Link; Delaware Beach Life: Oct, 13

MRT Magazine; Daily Local News (West Chester, PA); The Weekly Vista (Bella Vista, AR); Herald-Mail (Hagerstown, MD): Jul, 13

Orlando Sentinel; Washington Post; New York Times; The Roanoke Times; Yakima Herald Press (WA): Mar, 68

Roanoke Times; Kansas City Star; Christian Science Monitor; The Wall Street Journal; Washington Post; New York Times; MSNBC; MSN; Electronic Design: Dec, 13

The Herald-Sun (Chapel Hill, NC); American Forces Information Service; News-Sentinel (Fort Wayne, IN); KTUU-TV Channel 2 (Anchorage, AK): May, 77

The Miami Herald; Whidbey News Times (WA); Wilkes Journal-Patriot (NC); Natural Hazards Observer: Jan, 81

Washington Post; Washington Times; New York Times; Wall Street Journal: Nov, 13

At the Foundation (Hobart)

40 Scholarships Awarded to Young Hams!: Oct, 94 ARRL Foundation Awards Two New Grants: Jan, 101

New Carole J. Streeter Scholarship Added: May, 89 New Scholarship Added for 2005: Mar, 88

Roger Franke, K9AYK, Retires: May, 89

Scholarship Application Deadline Approaches: Jan, 101

The ARRL Foundation Goes to the 2005 National Convention: May, 89

Coming Conventions (Iannone)

Jan, 96; Feb, 99; Mar, 89; Apr, 92; May, 92; Jun, 89;
Jul, 93; Aug, 86; Sep, 93; Oct, 96; Nov, 101; Dec, 85

Contest Corral (Silver)

Jan, 102; Feb, 102; Mar, 92; Apr, 99; May, 98; Jun, 93; Jul, 104; Aug, 85; Sep, 98; Oct, 99; Nov, 103; Dec, 86

Do You Get The Contester's Rate Sheet? (sidebar to Contest Corral) (Silver): Oct, 100

Corresondence

35 Years (Applegate): Apr, 2543 Years to Extra (Silverstein): May, 24Amateur Culture (Swafford): Dec, 24

Amateur Friends to the Rescue (Jackson): Jan, 25 Amateur Radio Comes to the Rescue of Tsunami Victims (Weisman): Mar, 24 Amateur Radio Comes to the Rescue of Tsunami Victims (Epa): Mar, 24 Another Aspect (Fagan): Dec, 25 Be Considerate (Brown): Jun, 25 Beyond the VOM (McGarrett): Jul, 25 BPL = Tinhorn Idea (Avery): Dec, 24 "CC&R Bill" Reintroduced (Harmon): Dec, 25 Clean Up the Bands (Kamman): Jun, 24 Congratulations! (Wood): Aug, 25 Contrail Propagation (Smith): Jun, 24 Contrail Propagation (Roper): Jun, 24 Contrail Propagation (Coutant): Jun, 24 CW-SMS Bake-Off (Siwiak): Sep, 25 Death by a Thousand Cuts (Ostroff): Apr, 24 Drop the "T" (Grob): Jul, 24 Drop the "T" from RST? (Papworth): Aug, 25 Drop the "T" from RST? (Trousdale): Aug, 25 Early Reactions to FCC Code Proposal (Winfrey): Sep. 24 Early Reactions to FCC Code Proposal (Josifek): Sep, 24 Enjoy Yourself! (Goodsell): Dec, 24 Enjoyable (Hunsaker): Jan, 25 Enthralled (Stauffer): Jan, 24 Experimentation Pays Off (Rich): Feb, 25 Eyes Wide Open (Stark): Mar, 25 Field Day Scoring for Friendliness (Shapiro): Sep, 24 Get Club's Name Out There (Bastone): Jul, 25 GOTA Daily (Michaels): Apr, 24 Great Radio Bursts (Pedersen): Aug, 25 Ham Radio and the US Coast Guard (Coler): Aug, 25 Head to Schools (Tobin): Nov, 24 Helping All Mankind (Harpole): May, 24 High Speed Multimedia Networking (Skelton): May, 24 How Wireless Will Save... (Applegate): Sep, 25 Hybrid Provides Emergency Power (Lamousin): Jan, 24 Immediately Useful (Guthrie): Aug, 24 In Katrina's Wake (Kottmyer): Nov, 24 In Katrina's Wake (Decker): Nov, 24 In Katrina's Wake (Gagne): Nov, 24 In Katrina's Wake (Hambrecht St): Nov, 24 International Goodwill! (Voss): Aug, 24 Keeping His Dream Alive (Ernest): Jun, 24 Kid's Day, January 2005 (Cincotta): Mar, 25 License Plate Problem Solved (Greene): Feb, 25 License Renewing Woes (Kelly): Jan, 25

Locating Line Noise (Martin): Apr, 24 Logbook of the World (Earnest): Dec, 25 Low Tech (Hesse): May, 25 Mag Mount Safety (Applegate): Jun, 24 Mag Mount Safety (Paton): Jun, 24 More Radio Activity (Monty): Mar, 24 Morse Runner (Flynn): Sep, 24 Most Informative (Jakusz): Jun, 25 Mounting Antennas (Henderson): Feb, 24 Neither Rain Nor Sleet... (Slusher): Apr, 24 Not Just for Dummies (Wheeler): Jun, 24 NTS in Failure? (Belanger): May, 25 NTS RX (Kuechler): Jul, 24 On the G5RV (Rose): Feb, 24 On QSLs and QSLing (Ciezniak): Nov, 25 Oppose Public Access (Bell): Apr, 25 Packet, Pactor, NVIS and 97 (Ennis): Sep, 25 Political Correspondence (Castellano): May, 25 Quake Proves Echolink's Value (Duke): May, 24 Radio Activity (Foglesong): Jan, 24 Ranger Brings Back Memories (Long): Mar, 24 Ranger Brings Back Memories (Kaplinsky): Mar, 24 Ranger Brings Back Memories (Watkins): Mar, 24 Recycling OST (Drake): Jan, 24 Recycling QST (Stack): Jan, 24 Regulation by Bandwidth (McGuire): Sep, 24 Santa Nets Worthy of Praise (Kress): Dec, 24 Scary (Krotz): Jan, 25 Scary (Norloff): Jan, 25 Shouldn't the P in BPL Stand for Pollution? (Chernin): Feb, 24 Shouldn't the P in BPL Stand for Pollution? (Hargenrader): Feb, 24 Still Pounding (Margot): Apr, 24 "Suspected Terrorists" on Cruise Ship (Avery): Jul, 24 Supected Terrorists on Cruise Ship (Higginbotham): Aug, 25 Surviving a Small Lot (Hillman): Jan, 24 Thank You, Mr Eldredge (Huttelmayer): Jan, 24 Thanks (Hampton): Dec, 25 The FCC Proposal to Eliminate Morse Code Testing: Yea or Nay? (Saviet): Oct, 24 The FCC Proposal to Eliminate Morse Code Testing: Yea or Nay? (Summers): Oct, 24 The FCC Proposal to Eliminate Morse Code Testing: Yea or Nay? (Sonnenwald): Oct, 24 The FCC Proposal to Eliminate Morse Code Testing: Yea or Nay? (Phillipson): Oct, 24 The FCC Proposal to Eliminate Morse Code Testing: Yea or Nay? (Stebbins): Oct, 24

The FCC Proposal to Eliminate Morse Code Testing: Yea or Nay? (Williamson): Oct, 24 The FCC Proposal to Eliminate Morse Code Testing: Yea or Nay? (Whitsel): Oct, 25 The FCC Proposal to Eliminate Morse Code Testing: Yea or Nay? (Bouton): Oct, 25 The FCC Proposal to Eliminate Morse Code Testing: Yea or Nay? (Westgard): Oct, 24 The FCC Proposal to Eliminate Morse Code Testing: Yea or Nay? (Smith): Oct, 25 The Future of the Amateur Radio Service (Russ): Jun. 25 The MorseMeter (Gordon): Mar, 25 The Powell Era Ends (Tyler): Apr, 24 The Value of Monitoring (Patience): Feb, 24 Thwarting Mother Nature (Thompson): Aug, 24 TNX fer WAS90 (Dodge): Jan, 24 True Love (Newman): Mar, 25 Two Years Brings Perspective (Taylor): Feb, 24 Why Not Use UTC (Conklin): Sep, 24 Wonderful CW Memories (Killebrew): Aug, 24 Yea or Nay? Continued (Lenaghan): Nov, 25 Yea or Nay? Continued (Giunta): Nov, 25 Yea or Nay? Continued (Stephens): Nov, 25 Zen and Ham Radio (Brone): Sep, 24

Digital Dimension (Horzepa)

A Mixed Bag of Bits (Edge of Space Science; Linux Hack, KE6IGI: Silent Key; K2ORS DVD): Jul, 86 Got Propagation?: May, 86 Hello, I Must Be Going: Nov, 98 Linux Apps Automate Your Shack: Jan, 95 Mac Amateur Radio Software Developers (MSARS) CD-ROM: Jan, 95 Make or Break: Aug, 77 Spam Can Be a Good Thing: Mar, 85

Exam Info (Jahnke)

2005 ARRL/VEC Test Fee \$14: Jan, 98
ARRL Fall National Exam Days, September 24-25, 2005: Jul, 87
ARRL License Services: Jan, 98
ARRL National Exam Days: Jan, 98
ARRL Provides Free FCC-License Renewal, Modification Services to ARRL Members: Jul, 87
Exam Community Anxiously Awaits FCC Restructuring Decision: Jul, 87
NCVEC Question Pool Committee Awaits FCC Action on License Proposals; Postpones Extra Class Review: Jan, 98

New Club License Requests, or Modifications of Club Address or Trustee; Vanity Requests: Jul, 87 Question Pools (Current Status): Jul, 87

Feedback

- A 10M/17M Hanging Loop Antenna (October 2004 *QST*, pp 42-45): Jan, 50
- A 12 Volt DC Boost Regulator for Amateur Radio Mobile Operation (November 2004 *QST*, pp 37-41: Jan, 50
- A 20 and 40 Meter Vertical on "Autopilot" (September 2005 *QST*, pp 28-30) (Richardson): Oct, 35
- A Backpacker's Delight—The Folding J-Pole (March 2005 *QST*, pp 31-33) (Heiler): May, 89
- A High Quality Speaker System for the Ham Shack (October 2004 *QST*, pp 28-34): Feb, 43
- A Miniature UHF Fox Transmitter (March 2005 *QST*, pp 28-30) (Bowker): May, 89
- A Short History of the Handheld Transceiver (January 2005 *QST*, pp 47-50): Mar, 81
- A Weather Vane Antenna for 2 Meters (August 2005 *QST*, pp 35-38) (Adams and Portune): Oct, 35
- ARRL in Action: 2005 ARRL Handbook is "Monumental Effort" (November 2004 *QST*, p 13): Jan, 50
- ARRL in Action: ARRL at NAB (August 2005 *QST*; p 12) (Heyn): Oct, 35
- Build a Low Cost DDS Function Generator (November 2005 *QST*, pp 40-42) (Richardson): Dec, 80
- Getting to Know Your Radio: Passband Tuning (April 2005 *QST*, pp 56-57) (Hallas): May, 89
- Getting to Know Your Radio: VHF Squelch Modes (August 2005 *QST*, pp 46-47) (Hallas): Oct, 35
- Hands-On Radio: Experiment #21: The L-Network (October 2004 *QST*, pp 62-63): Feb, 43
- Hands-On Radio: Experiment #26: Solid-State RF Switches (March 2005 *QST*, pp 49-50) (Silver): May, 89
- Happenings: FCC News: FCC Affirms Fine for Unlicensed Operation on Amateur Frequency (April 2005 *QST*, p 70) (Lindquist): May, 89
- Morse Code Readout PL Tone Encoder (July 2004 QST, pp 32-34): Apr, 50
- Not Another Touch Key (November 2005 *QST*, pp 28-30) (Kreuter): Dec, 80
- Our Cover: Top Topband—2200 meters (July 2005 QST, p 5) (Craig): Oct, 35

Product Review: Ameritron ALS-600S HF Amplifier with Switching Power Supply (March 2005 *QST*, pp 60-62) (Stinson): May, 89

Programming for the Pocket PC (December 2004 *QST*, pp 38-42): Jan, 50

- QRV from Mount Kilimanjaro (reprint from *Funk Amateur*, October 2004) (April 2005 *QST*, p 47-50) (Blattler): May, 89
- Remote DC Power Through Your Coax (July 2004 *QST*, pp 35-27 (Salas): Mar, 81

SETI: The Role of the Dedicated Amateur (September 2005 *QST*, p 43-47) (Shuch): Oct, 35

Strays: Teaching Electronics to Hams Using the ARRL "Big Project" Activity Board (March 2005 *QST*, p 93) (MacAlister): May, 89

- The Doctor is IN (July 2005 QST, pp 53-54): Aug, 76
- The Doctor is IN (June 2005 QST, pp 51-52): Jul, 82
- The Transatlantic on 2200 Meters (July 2005 QST, pp 42-46) (Craig & Melia): Aug, 76
- Up Front in *QST*: Vibroplex Donation to W1AW (August 2005 *QST*, p 20) (Baulig): Oct, 35
- (Wall) "Warts" on Pigtails (April 2005 *QST*, p 67) (Smith): Jun, 44

Features/General Interest

- A Boatanchor Story for the Rest of Us (Meyers): Jul, 47
- A Lighter-than-Air Flight of Firsts (Murphy): Feb, 54
- A Maritime Field Day from a Nearby Remote Island (Shipp): Jun, 46
- A Short History of the Handheld Transceiver (McElroy): Jan, 47; *Feedback: Mar, 81*
- Colorado Hams Collar a Critter (Ryan): Mar, 43
- County Expedition, California Style (Rowett & Crouch): Oct, 44

Eloping to Belize—And Then Some (Gist): Apr, 42

- Father and Son Bicycle Mobile in Brooklyn (Tillander): Feb, 57
- Go Wireless! (Bruninga): May, 44
- Going Up! The Colorado 14er Event (Witte and Ormsby): Oct, 49
- Ham Interrupted—The Log of W9PMN (Budd): Jan, 51
- High Speed Telegraphy Competition in Macedonia (Kutner): Nov, 56
- How Wireless Will Save Wireless from BPL (O'Donnell): Jul, 50
- Is WSJT Your "Next Big Thing"? (sidebar to The Accidental EME QSO): Nov, 53
- Operating from Ocean Going Research Vessels (Franklin): Feb, 47

- QRV from Mount Kilimanjaro (reprint from Funk Amateur, October 2004) (Blattler): Apr, 47; *Feedback: May, 89*
- Rejuvenating Your Club (Fusaro): Oct, 51
- SETI: The Role of the Dedicated Amateur (Shuch): Sep, 43; *Feedback: Oct, 35*
- Seven Steps to LoTW (sidebar to The Logbook of the World—75 Million QSOs Can't Be Wrong!) (Silver): Sep, 53
- Stories from the 2004 Hurricane Season (compilation); (Ewald): Mar, 38
 - ARES Helps Central Florida CAP Squadron (Sweeney): Mar, 42
 - Ham Radio Gets through after Hurricane Frances (Berenson): Mar, 41
 - Hurricanes Give Amateurs a Workout (Jones): Mar, 38
 - Net Gathers News After Storm Ivan (Dockery): Mar, 41
 - NETs and NHC Support Information Gathering: Mar, 42
- Trip to Pensacola after Ivan (Wellman): Mar, 40
- The Accidental EME QSO (Hasselbeck and Scroggins): Nov, 52
- The First Ham Expedition from the Top of Kilimanjaro? (sidebar to QRV from Mount Kilimanjaro (reprint from Funk Amateur, October 2004)) (Blattler): Apr, 48
- The Katrina Chronicles 1 (Lindquist): Nov, 43
- The Logbook of the World—75 Million QSOs Can't Be Wrong! (Silver): Sep, 50
- The View from Thailand (sidebar to "Zulu Stations" a Mainstay in Hard-Hit Indonesia) (Harpole): May, 42
- Web Links to More Information (sidebar to How Wireless Will Save Wireless from BPL): Jul, 52
- "Zulu Stations" a Mainstay in Hard-Hit Indonesia (Purwinto): May, 40

Feature/Technical

- A 20 and 40 Meter Vertical on "Autopilot" (Richardson): Sep, 28; *Feedback: Oct, 35*
- A 3-1/2 Band Yagi (Stein): Mar, 34
- A Backpacker's Delight—The Folding J-Pole (Heiler): Mar, 31; *Feedback: May, 89*
- A Dual-Band Wire Beam for 17 and 12 Meters (Baker): Aug, 28
- A Low Cost Automatic Impedance Bridge (Steber): Oct, 36
- A Low Cost DDS Function Generator (Richardson): Nov, 40; *Feedback: Dec, 80*

- A Low-Cost Remote Antenna Switch (Smith): Apr, 38
- A Miniature UHF Fox Transmitter (Bowker): Mar, 28; *Feedback: May, 89*
- A Panel-Reflector Antenna for 70 cm (Monteiro): Feb, 36
- A Portable Inverted V Antenna (Littlepage): Jun, 36
- A Portable Masting System for Emergency Use (Haines): Apr, 36
- A Rose Garden Array (Falker): Feb, 28
- A Simple Direction-Finding Receiver for 80 Meters (Hunt): Sep, 36
- A Stub Directed 80 Meter Beam (Carr): Nov, 36
- A Weather Vane Antenna for 2 Meters (Portune & Adams): Aug, 35; *Feedback: Oct, 35*
- Alternative Construction Ideas (sidebar to The Ultimate Portable HF Vertical Antenna) (Wolfgang): Jul, 31
- An Audio Intelligibility Enhancer (Kennedy): Jan, 28
- An Efficient Tuner for Small 160 Meter Verticals (Snyder): Apr, 28
- An Improved Digital Communication Interface (Coyle): Apr, 31
- Applications Using the PIC-Power Meter (Hayward): Jun, 28
- Beyond the VOM: Test Equipment for the Ham Shack (Silver): May, 36
- Build an Automatic Antenna Switch Controller (Davidson): Oct, 28
- Building the W8JK Beam (Suggs): Sep, 31
- Feeding the W8JK Beam (sidebar to Building the W8JK Beam): Sep, 35
- Homebrew Your Iambic Keyer (Praveena): Feb, 40
- Hurricane Katrina (sidebar to What's the Deal About "NVIS"?) (Straw): Dec, 43
- IEEE 802.11 Experiments in Virginia's Shenandoah Valley (Fordham): Jul, 35
- IEEE 802.11 Jargon: "Routers, Gateways and Bridges...Oh My!" (sidebar to IEEE 802.11 Experiments in Virginia's Shenandoah Valley): Jul, 36
- Locating Power Line Noise Using TV Waveforms (Loftness): Feb, 44
- Mapping the Galaxy with a Small Dish (sidebar to The Great Radio Bursts Of 2003) (Brown): Jun, 32
- Modernizing the V Antenna (Raydo): Jun, 40
- Not Another Touch Key (Kreuter): Nov, 28; Feedback: Dec, 80

Physical Description of the Link Used in the Initial Experiments (sidebar to IEEE 802.11 Experiments in Virginia's Shenandoah Valley): Jul, 38

- Problems with the AS-2250 (sidebar to What's the Deal About "NVIS"?) (Straw): Dec, 39
- Protecting Antenna Tuners from Lightning Transients (Gladu & Raab): Jan, 45
- Short Dipoles for 160 Meters (Koontz): Aug, 33
- Substituting Parts (sidebar to A Simple Direction-Finding Receiver for 80 Meters): Sep, 39
- Surprising Results with a Low, Hidden Wire Antenna (Pontius): Nov, 31
- The Crystal Set (Shrader): Jan, 33

The Fan Dipole as a Wideband and Multiband Antenna Element (Hallas): May, 33

- The Field Equipment Kit (sidebar to Beyond the VOM: Test Equipment for the Ham Shack) (Silver): May, 38
- The Great Radio Bursts Of 2003 (Smith): Jun, 31
- The HiMite—A RockMite Transceiver for the Higher Bands (Benson): Dec, 28
- The Inverted-U (Cebik): May, 28
- The Lone Ranger (II) Rides Again! (Cohen): Jan, 39
- The SuperPacker HF Amplifier (Gottlieb & Mitz): Dec, 31
- The Transatlantic on 2200 Meters (Craig & Melia): Jul, 42; *Feedback: Aug, 76*
- The Ultimate Portable HF Vertical Antenna (Salas): Jul, 28
- The W6QIF Oscillator (Pepper): Feb, 32
- Using Networked Equipment for Remote Station Control (Phipps): Oct, 40
- Web Pages for the LF Experimenters (sidebar to The Transatlantic on 2200 Meters): Jul, 46

What's the Deal About "NVIS"? (Straw): Dec, 38

Feature/Workbench

A Compact Battery Pack for the SG-2020 (Salas): Mar, 51

- A Fast TR Switch (Kuecken): Oct, 56
- A Motorized Mag Mount for Mobile Antennas (Paton): May, 52
- A Portable NVIS Antenna (Hollister): Jan, 56
- A Satellite Tracker Interface (Spencer): Sep, 64
- About PIN Diodes (sidebar to A Fast RF Switch) (Kuecken): Oct, 58
- EchoLink for Beginners (Brone): Jan, 60
- Electrifying Thoughts: Jan, 63
- Input Voltage Conditioner—and More—for the FT-817 (Salas): Jun, 53
- Learning to Love Toroids: May, 55

Switching the Discoverer 7-1 (Laidman): Jul, 57

- The Doctor is IN: Jan, 54; Feb, 61; Mar, 45; Apr, 54; May, 50; Jun, 51—*Feedback: Jul, 82*; Jul, 53— *Feedback: Aug, 76*; Aug, 43; Sep, 58; Oct, 53; Nov, 60; Dec, 49
- The Educated Macro (Turner): Sep, 61
- The FoxFinder Antenna (Reif): Nov, 66
- The Ham's Essential Toolkit (Daso): Nov, 63
- The MorseMeter (Hynde and Johnston): Feb, 66
- The Serial Port—Breakfast of Champions (Ford): Feb, 71
- The Sounds of Silence (Ford): Jul, 55
- The Tide's Changing—VHF Meteor Scatter (Tipton): Feb, 63

The Ubiquitous PL-259 Revisited (Applegate, Chadwick, Edwards, Jackson, Potter, Prine & Tucker): Mar, 47

The WudeeSay: Instant Replay for Your Transceiver (Hansen): Apr, 60

Tuning Switch with Limit Indication for Screwdriver Antennas (Salas): Dec, 52

What Can You Do with IRLP? (Davis): May, 56

Getting to Know Your Radio (Hallas)

Noise Limiters, Noise Blankers and Digital Signal Processing: Dec, 56 Passband Tuning: Apr, 56; *Feedback: May, 89*

- RIT-XIT-VFO A/B—What Frequency Am I On Now?: Oct, 60
- Speech Compression: Jun, 57

VHF Squelch Modes: Aug, 46; Feedback: Oct, 35

Ham Ads

Jan, 140; Feb, 140; Mar, 140; Apr, 140; May, 148; Jun, 140; Jul, 140; Aug, 148; Sep, 140; Oct, 148; Nov, 140; Dec, 148

Hamfest Calendar (Iannone)

Jan, 96; Feb, 99; Mar, 90; Apr, 93; May, 93; Jun, 90; Jul, 94; Aug, 87; Sep, 94; Oct, 97; Nov, 101; Dec, 85

Hands-On Radio (Silver)

Experiment #24—Heat Management: Jan, 64

Experiment #25—Totem Pole Outputs: Feb, 69

Experiment #26— Solid-State RF Switches: Mar, 49; *Feedback: May, 89*

- Experiment #27—Scope Tricks: Apr, 63
- Experiment #28—The Common Base Amplifier: May, 58
- Experiment #29—Kirchhoff's Laws: Jun, 59

Experiment #30—The Charge Pump: Jul, 59 Experiment #31—The Multivibrator: Aug, 48 Experiment #32—Thevenin Equivalents: Sep, 62 Experiment #33—The Transformer: Oct, 62 Experiment #34—Technical References: Nov, 64 Experiment #35—Power Supply Analysis: Dec, 54

Happenings (Lindquist)

Amateur Radio Antenna "CC&R Bill" Reintroduced in Congress: Dec, 67 Amateur Radio Earns Kudos for TOPOFF 3 Performance: Jun, 73

Amateur Radio Highlighted at Homeland Security Grantees Gathering: May, 73

Amateur Radio Praised as Lifeline After South Asia Tsunami: Mar, 67

Amateur Radio Spectrum Protection Act of 2005 Introduced: May, 73

ARISS Casting Eye on Future of Ham Radio in Space: Oct, 76

ARISS Ponders "SuitSat" Possibilities: Jan, 79

ARRL Calls on FCC to Shut Down Virginia BPL System: Dec, 69

ARRL Cites "Additional Authorities" To Buttress BPL Reconsideration Petition: Sep, 77

ARRL COO Testifies on Capitol Hill to Amateur Radio's Value in Disasters: Dec, 67

ARRL Encouraged by New Motorola BPL Technology: Aug, 62

ARRL Executive Committee Readies Bandwidth Recommendations: Jun, 72

ARRL Files Opposition to Reconsideration Petitions: Jun, 75

ARRL Headquarters Departures Prompt Staff Changes: Sep, 78

ARRL Headquarters Responds to Hurricane Katrina on Several Fronts: Nov, 81

ARRL Rebuts Denial of Interference from BPL Trial, Decries FCC Inaction: Mar, 66

ARRL Seeks Experimental License for 500 kHz Work: Jul, 71

ARRL Signs Agreements with Civil Air Patrol, US Power Squadrons: Aug, 64

ARRL Soliciting Nominations for the International Humanitarian Award (Skolaut): Nov, 84

ARRL Tells FCC to "Reconsider, Rescind and Restudy" BPL Order: Apr, 68

ARRL Urges Action in Ongoing Interference Case: Mar, 68

ARRL Volunteers, PRB-1 Help Midwestern Amateurs get Tower Permits: Apr, 69 ARRL Working with IEEE, BPL Industry to Set BPL Standards: Jan, 78
BPL at HQ: ARRL Cooperating in BPL System Experiment: Nov, 85
BPL Faces Uncertainty, Technical and Financial Viability Issues, FCC Staffer Says: Aug, 63
BPL Tales of Two Texas Towns: One Says "No," Another Embraces It: Oct, 76
Community Education Project Picks Pilot Communities: Feb, 83
Connecticut Native is ARRL's New Membership Manager (Sarah Dorsey): Dec, 70
Court Appeal Probable in BPL Proceedings, League CEO Says: May, 75

CW Ops Whip Whippersnapper Text Messagers on National TV: Jul, 72

Dayton Hamvention Names 2005 Award Winners: May, 75

Dayton Hamvention to Remain at Hara Arena Through 2007: Feb, 84

Director/Vice Director Elections Set in Three ARRL Divisions: Nov, 84

Experimental Licensees Moving Low-Frequency Agenda Forward: Feb, 84

FCC Chairman Appoints New Enforcement Bureau Chief (Kris Anne Monteith): Jul, 74

FCC Drops the Other Shoe on BPL: Jan, 78

FCC Proposes Dropping Morse Code Requirement for All License Classes!: Sep, 77

FCC Releases Extensive BPL Test Data, Filings: Mar, 66

FCC Reopens Morse Debate as More Countries Cut Code Requirement: Oct, 75

FCC Requires Arizona BPL Field Trial to Work with Amateur Club: Feb, 81

Federal Grants Expand "Ham Aid" Fund for Hurricane Volunteers: Dec, 68

"Generate Some Heat" to Spur Political Action, Dayton Forum Told: Aug, 63

Georgia Community to Allow Ham Antennas in CC&R-Governed Subdivisions: Feb, 82

Ham-Astronaut Testifies before Congress from Space: Sep, 79

House Resolution 230 "A Fair Request," ARRL President Says: Aug, 62

Inaugral "Take Your Handheld to Work Day" a Success!: Sep, 81

Learning is Center Stage at New Section Managers Workshop (Ewald): Dec, 71

Los Angeles Section Manager Re-elected; New SMs Picked in West Virginia, Wyoming: Nov, 84

- Members Pick New Section Managers in New Hampshire, West Texas: Aug, 66
- More BPL News...: Jan, 79
- N6AA is New Southwestern Division Director: Jan, 80
- Nebraska, West Central Florida Elect New Section Managers: Feb, 85
- New ARRL COO Wants Bright Future for Amateur Radio: May, 76
- New Mexico Amateur Wins Antenna Case in State Supreme Court: Jul, 71
- New Schools Join ARRL Education and Technology Program: Oct, 78
- New Section Managers on Duty in Arkansas, North Texas and Arizona: May, 76
- Next ISS "Space Tourist" Gets Amateur Radio Ticket (Greg Olsen, KC2ONX): Oct, 77
- No Balancing Act for BPL, ARRL Says: Jun, 74
- Nominees Sought for ARRL Board of Directors (Sumner): Jul, 75; Aug, 67
- Other BPL Developments: Jun, 75
- Pennsylvania Town Drops BPL Plans: Apr, 69
- Radio Amateur Loses Life Installing Emergency Communications Antenna (Robert W. French II, N8EHA): Oct, 79
- Radio Amateurs, ARES Group Among NOAA 2005 "Environmental Heroes": Jul, 74
- Rebekah Dorff, WG4Y, is Newsline's Young Ham of the Year: Oct, 79
- Repeat Nominating Solicitation (White): Apr, 72; May, 77
- Repeat Nominating Solicitation (Patton): Nov, 85
- Rush S. Drake, W7RM, Silent Key: Jun, 77
- Russian Cosmonaut-Ham to Return to ISS as Commander: Mar, 70
- Spectrum Defense Fund 2006: Protecting Amateur Radio's Ability to Respond: Dec, 68
- Spectrum Protection Bill Sponsor's Article Promotes Amateur Radio's Value: Sep, 79
- Tampere Convention Eases International Emergency Telecommunications: Apr, 71
- Ten-Tec Co-Founder Al Kahn, K4FW, Silent Key: Sep, 81
- Tim O'Donnell, AB2LE, is 2005 Goldfarb Scholarship Winner: Jul, 72
- Two Amateurs Receive President's Volunteer Service Award (Thomas J. Powell, N8UIR, and John H. Bauer, W4AWM): Apr, 71
- US House Resolution calls on FCC to Evaluate BPL Interference, Review Rules: Jul, 69

- US Senate Version of Amateur Radio Spectrum Protection Act of 2005 Introduced: Sep, 78
- USTTI Course Also a Learning Experience for Instructor: Dec, 69
- WAC Today, First QSO from the Moon Tomorrow?: Mar, 70
- "Wireless Literacy" is ARRL Eduction & Technology Program Goal: Jun, 77

FCC News

- Alleged Illegal "Amateur" Transceiver Marketing Draws Huge Fine: Feb, 82
- ARRL Lauds Adelstein Confirmation to New Term: Feb, 82
- Comment Deadlines Set in FCC "Morse Code" Proceedings: Nov, 83
- FCC Adopts Digital Broadcasting Standard: Jul, 70
- FCC Adopts Rule Changes for "Smart Radios": Jun, 76
- FCC Affirms Fine for Unlicensed Operation on Amateur Frequency: Apr, 70; *Feedback: May, 89*
- FCC Chairman Michael K. Powell Resigns: Mar, 69
- FCC Chairman Names Acting OET Chief (Bruce Franca): Oct, 78
- FCC Denies AM, SSB Bandwidth Petition: Feb, 83
- FCC Issues Revised Form 605: Sep, 80
- FCC Launches New Service to Deliver Customized E-News: Aug, 65
- FCC Morse, Restructuring Proposals could be out by Mid-Year: May, 74
- FCC Proposes to Hold the Line on Vanity Call Sign Fee: Apr, 70
- FCC Realigns Amateur Privileges for Region 1 and 3 Licensees: Oct, 78
- FCC Relocation Plan Includes Some Amateur 2.3 GHz Spectrum: Jan, 80
- FCC Suspends Vanity Call Sign Processing: Dec, 70
- FCC to Update Third-Party Traffic List to Include UK: Jun, 76
- FCC warns California licensees about out-of-subband operation (John R. Gilliland, W5VTS; Richard L. Martin, KG6YAE): Oct, 78
- Higher Vanity Call Sign Application Fee Now in Effect: Nov, 83
- Kevin J. Martin is New FCC Chairman: May, 74
- Vanity Call Sign Application Fee to Rise: Sep, 80

FCC News: Amateur Enforcement

California amateur license grant set aside (Wayne Spindler): Sep, 80

FCC Affirms \$4000 Fine for Missouri Amateur (Paul D. Westcott, KCØOAB) (Lindquist): May, 75

FCC cites homeowners for causing interference: Mar, 69

FCC declines to reconsider \$10,000 fine in interference case (Jack Gerritsen, ex-KG6IRO): May, 74

FCC Enforcement Bureau refers two amateur applications for hearings (Yuriy Ryabinin, W3MMM; Thomas A. Lynch Jr, K6COL): Jul, 70

FCC fines amateur licensee for transmitting on government frequency (Raimundo P. Silva, KD6SXG): Oct, 78

FCC fines CB operator-amateur licensee, CB shop (Robert A. Spiry, KD7TRB; Paladen Communications Inc): Jan, 80

FCC issues \$21,000 Notice of Apparent Liability to Maine Amateur (Glenn A. Baxter, K1MAN): Aug, 65

FCC orders license revocation hearing for convicted felon (David Edward Cox, W50ER): Dec, 70

FCC proposes to fine Missouri amateur for failing to reply to correspondence (Paul D. Westcott, KCØOAB): Feb, 83

FCC sets aside Maine amateur's license renewal (Glenn A. Baxter, K1MAN): Nov, 83

FCC tells Vermont ham that fine is next step (David J. Tolassi, WA1BHV): Jun, 76

Fines continue to mount in jamming case (Jack Gerritsen, ex-KG6IRO): Apr, 70

Former amateur licensee arrested on jamming, unlicensed operation charges (Jack Gerritsen): Jul, 70

Identity questions prompt FCC to set aside amateur applications (Joseph W. Hartmann): Sep, 80

Radio amateur's complaint leads to big fine for taxi company: Mar, 69

In Brief

ARRL Board of Directors January meeting; Wayne Long, K9YNF, is *QST* Cover Plaque Award winner; NASA names space veteran, ham as deputy for exploration operations; Southern Florida SEC Jim Goldsberry, KD4GR, Silent Key: Mar, 70

ARRL now offering Digital Electronics course; Digital Communications Conference set for September in California; NØAX, WE5Y win *QST* Cover Plaque Awards: Sep, 81

ARRL, Icom combine forces to expand contest plaque program; New IARU Region 2 Monitoring

System Coordinator appointed (Bill Zellers, WA4FKI); Hams join in cleanup of ValuJet Flight 592 Memorial: Oct, 80

Congressman queries FCC chair on Amateur Radio's BPL concerns; KAØZLG, KO4NR are *QST* Cover Plaque Award winners; Two-ham team takes over aboard ISS; Ron Broadbent, G2AAJ, Silent Key; Dr William W. McGrannahan, NØZL, Silent Key: Jul, 73

Jeff Brone, WB2JNA, wins January *QST* Cover Plaque Award; "Big Project" Schools get Best Buy Te@ch grants; Video public service announcements available from ARRL; League recognizes centenarians (Zeke Dorsey, W3DHL, and Emma Berg, WØJUV/AAR7AX): Apr, 72

Joel Hallas, W1ZR, is new *QST* Technical Editor; Rosalie White, K1STO, departs ARRL Headquarters, keeps connection; KD9LA, WA2WVL and WB6BYU win *QST* Cover Plaque awards: Dec, 71

N1II is 2004 Bill Orr, W6SAI, Technical Writing Award winner; Anthony Monteiro, AA2TX, wins February *QST* Cover Plaque Award: May, 77

VE2CV, KI5TD are *QST* Cover Plaque Award winners; Foundation For Amateur Radio solicits scholarship applications; Albuquerque to host USA ARDF Championship; Nominations due for 2005 Dayton Hamvention awards; Bill Diaper, KJ6KQ, Silent Key; Alan B. Caplan, K4AVQ, Silent Key; Donald M. "Don" Johnson, WAØEPX, Silent Key: Feb, 86

Section Manager Nomination

Jan, 81; Feb, 86; Apr, 72; May, 77; Jul, 74; Aug, 66; Oct, 80; Nov, 85

Help Desk

Schematic Symbols Used in ARRL Circuit Diagrams: Apr, 59

The Considerate Operator's Frequency Guide: Jan, 62

Hinks and Kinks

A Backpackers Dipole (Carrigan): Dec, 58

- A Backyard Assay for Stainless Steel (Ostapchuk): Jan, 67
- A Help for Computer Monitor RFI (Bruette): May, 61
- A Lighter Plug Mic Holder? (Quam): May, 61
- A Memory Frequency Storage Scheme (Ostapchuk): Oct, 64

- A Portable Service Cart for Equipment (Merriam/Schetgen): Sep, 68
 A Self-Contained IC-703 (Salas): Jun, 61
 A Simple Handheld Holder (Haines): Oct, 65
 A Strong, Flexible Mobile Antenna Installation
- (Schetgen): Mar, 53 A TS-140S/680S Receiving Problem (Grant): Nov, 71
- A VOX Circuit for PSK31 (Kaelin): Dec, 58
- A Weatherproof N Connector Cap (Maynard): Oct, 64
- An Alternative Homebrew Iambic Key (Thomaidis): Apr, 65
- An Anderson Powerpole-Based Portable Dipole (Bell): Jan, 67
- Anderson Powerpole Grounds (Agnew): Apr, 67
- Another Take on TS-850S Battery Replacement (Hammerling): Jan, 66
- Another Way of Finding True North (Maloney): Dec, 59
- Benzoin Aids Adhesion for "A Novel Microphone Holder" (Seaver): Feb, 72
- CAC-6 (Aluminum Shield) Versus Coaxial Connectors (Schetgen): May, 60
- Converting Kenwood HS-5 Headphones for Stereo (Erbaugh): Jan, 67
- Copper Wire Properties in Your Head (Conklin): Jun, 63
- Device Pin Assignments? (Gilbert): Apr, 66
- DX Cluster Macros (Kriss): Sep, 69
- Ear Muffs (Protectors) for Noisy Environments (Seaver): Jun, 63
- Feed Line Entrance Tips (Schetgen): Aug, 51
- Finding North, H&K Followup (Dieter): Nov, 72
- Finding True North (Fulton): Jul, 61
- Google Web Surfing Tip (Kriss): Sep, 69
- Heavy-Duty Standoff Insulators for Ladder Line (Simon): Jul, 62
- Heil ProSet Headphone Modification (Hohn): Feb, 72
- Hose Clamps Tune VHF Antennas (Wagner): May, 61
- Installing Radials the Easy Way (Samuelson): Jan, 67 Junk-Box Refills (Brown): Aug, 50
- Keep Your ICOM IC-706MKIIG Cool! (Salas): Jan, 66
- Laptop Battery Modification for 12 V Power (Frey): Nov, 72
- Laptop Battery Feedback (Schetgen): Dec, 58
- More on Feed-Line Loss Measurements (Schetgen): Jun, 63
- More on Furniture Movers (McAnly): Nov, 72

- More on Wall-Wart Removers (Lewis): Oct, 64 More on Wall-Wart Removers—A Power Squid? (Schetgen): Oct, 64 More on Wall-Warts (Hernalsteen): Oct, 64 Playing Radio Audio Through Car Stereos (Sanders): Feb. 72 Please Don't Use this to Clean Old Rigs! (Carter): Apr. 67 Re: RF Ground—Four Stories Up (Maukonen): Jul, 61 Restore Drake "B-Line"-Dials (Covelli): Feb, 72 RF Ground—Four Stories Up (Altman): Mar, 53 Sometimes, You feel Like a Wire Nut! (Shubert): Aug, 50 Stealth Antenna Tactics (Grider): Oct, 65 Still More USB, EIA-232 and Amateur Radio (Schetgen): Jul, 61 SWR and Line Loss—An Update (Conklin): Oct, 64 Use a "Strap Hoist" to Lift Antennas (Hough): Dec, 59 Use a Tuned Pipe to "Zero-Beat" CW (Arnold): Aug, 52 (Wall) "Warts" on Pigtails (Smith): Apr, 67; Feedback: Jun, 44 What's in the Wall? (sidebar to Feed Line Entrance Tips) (Schetgen): Aug, 51 How's DX? (McClenny) 60ØCW-Somalia DXpedition (Panati): May, 81 A DXpedition to Andaman and Nicobar Islands
 - (Bharathi Prasad): Apr, 86
 - A Look Back at STØDX (Henderson): Oct, 84
 - Cook Islands New Prefix: Jul, 78
 - DX Holiday—Dedication and Payback to the Better Half in Palau (Laine): Dec, 75
 - DX Via the Long Path: Feb, 92
 - DXpedition to the Kingdom of Nepal (Schwenger): Mar, 82
 - Frequencies to Avoid: Feb, 92
 - FT5XO—Kerguelen Islands March 2005 DXpedition: Jun, 83
 - Glorioso Islands: Aug, 73
 - H44—Solomon Islands and H4Ø—Temotu Province: Nov, 96
 - Ham Radio in Iraq (Byers): Oct, 85
 - In Memory of Hugh Cassidy, WA6AUD (Silent Key) (sidebar to DX Holiday—Dedication and Payback to the Better Half in Palau) (Laine): Dec, 76
 - KH7K—Kure Island: Sep, 84
 - Last Minute Update of Peter I Island: Feb, 92
- Most Wanted Lists: Feb, 92

New DXCC Entities on the Horizon?: Jul, 78 RSGB HFC 2004: Jan, 90 Want to Go on a DXpedition?: Feb, 92

DX News from Around the Globe

- 5T—Mauritania; 6O—Somalia; CX—Uruguay; DX Gathering; FR—Reunion Island; XU—Cambodia; ZK1—South Cook Islands: Jan, 91
- 9M6—East Malysia and 9M2—West Malysia; CE— Chile; FM—Martinique; FY—French Guiana; GD—Isle of Man; OA—Peru; PJ2—Netherland Antilles; XE—Mexico; ZK1—North & South Cooks: Feb, 93
- 5Z—Kenya; AI5P Pacific Trip; C6—Bahamas; CY9—St Paul Island; EA8—Canary Islands; EU-108; FR/G—Glorioso Island; GM—Scotland— Rockall Island; KH7K—Kure Island; TI—Costa Rica; VP5—Turks and Caicos Islands; YLs in the Pacific; ZB—Gibraltar: Jun, 84
- 3V—Tunisia; 9K—Kuwait; CYØ—Sable Island; F— France; FP—St Pierre & Miquelon; J3—Grenada; J6—St Lucia; OZ—Denmark; S7—Seychelles; TF—Iceland; V3—Belize; VE—Canada: Jul, 78
- 8R—Guyana; CYØ—Sable Island; FO/C— Clipperton Island; HBØ—Liechtenstein; HV— Vatican; Italian HF DX Convention; OX— Greeland & TF—Iceland; P5—North Korea; Pacific Northwest DX Convention; PYØF— Fernando de Noronha; TY—Benin; VK— Australia; VK9X—Christmas Island & VK9C— Cocos-Keeling: Aug, 74
- HBØ—Liechtenstein; SM—Sweden; T32—East Kiribati; TY—Benin; VE—Canada: Sep, 85
- 1st International Asia Pacific DX Convention; 4S— Sri Lanka; 57th Annual International DX Convention; 8P—Barbados; 8Q—Maldives; FP— St Pierre and Miquelon; FY—French Guyana; ST—Sudan; TL—Central African Republic; Two American DXers Head to Two Pacific Isles; TZ— Mali; VK9X—Christmas Island and VK9C— Cocos-Keeling; ZB—Gibraltar; ZD7—St Helena; ZK3—Tokelau: Nov, 97

Index of Advertisers

Jan, 158; Feb, 158; Mar, 158; Apr, 158; May, 166; Jun, 166; Jul, 166; Aug, 166; Sep, 166; Oct, 166 Nov, 158; Dec, 166;

It Seems to Us (Sumner)

A Busy Month on the BPL Front: Dec, 9 A Missed Opportunity: Sep, 9 ARRL EXPO: Jul, 9 Better BPL?: Aug, 9 Death by a Thousand Cuts: Mar, 9 Get Out of the House!: May, 9 Katrina (ARRL HQ Katrina Team): Nov, 9 Licensing Courses: How Long?: Feb, 9 Narrowing the Bandwidth Issues: Apr, 9 No Complaint, No Interference: Jan, 9 Regulation or Band Plan?: Jun, 9 Self-Regulation: Oct, 9

Microwavelengths

A Glossary of Microwave Terms (Williams): Jul, 89 Intro/Horn Antennas (Wade): Aug, 75 Parabolic Dish Antennas (Wade): Nov, 94 The Home Microwave Station (Williams) Part 1: Jan, 88; Part 2: Mar, 76; Part 3: May, 87

New Books

LF Today (Mike Dennison, G3XDV)(RSGB): Jan, 61

New Products

1500 W Antenna Tuner from MFJ (MFJ-989D): Nov, 80
500 Hz CW Filter Kit: Jan, 53
Active Noise Reduction Headphones (NoiseBuster NB-FX): Jan, 46

Aluminum Element Moxon Monobanders (MaxiMoxon): Apr, 44

Amateur Band Definition Software (Bands): May, 57

Ameritron Remote Antenna Switch (RSC-12): Nov, 53

Antenna Hanger Insulator for Window Line or Coaxial Cable (3003 Acro-Bat): Jun, 44

Antenna Position Controller (W2DRZ CT-1): Jul, 49

Audio Signal Generator Kit (Workbench Audio Signal Generator Kit): Jan, 53

Automatic Antenna Tuner for Low-Power Transceivers (T1; T1-FT817): Aug, 38

Back-Up Power System from West Mountain Radio (Super PWRgate PG40S): Nov, 70

Clamp-on RF Current Meter from MFJ (MFJ-853): Nov, 39

Classic Telegraph Key: Nov, 42

- Current Baluns from MFJ (MFJ-911H; MFJ-911): Dec, 53
- DTMF Decoder/Controller from Intuitive Circuits (DTMF-4HC): Feb, 35

Electromagnetic Compatibility Handbook (Kenneth L. Kaiser): Jan, 53

EZMaster USB Computer to Radio Interface: Apr, 44

- Five Time Zone Wall Clock: Jan, 53
- FlexRadio Medium Power HF to VHF Software Defined Radio Transceiver (SDR-ASM/TRA): Feb, 43
- Ground Radial System for HF Vertical Antennas (EZRadial): Jan, 58
- Handmade Telegraph Key from Straight Brass: Nov, 30
- Heil Handheld Microphone (Handi Mic): Jan, 97
- Heil Headset for Portable Operation (Traveler): Apr, 35
- HF Linear Amplifier from SGC (Mini Lini): Nov, 42

HF/6 Meter Transceiver from ICOM (IC-756PROIII): Jan, 38

- HF/VHF Portable Antennas (Ducker): Jun, 98
- J-Tec Antenna Switch and HF Receive Preamplifier (ASAP-2): Nov, 35
- Keying Buffer and Sequencer (Ampsequencer): Aug, 32
- Legal Limit Balanced Antenna Tuner (MFJ-976): Feb, 39
- *MacLoggerDX* V4.0 from Dog Park Software: Jan, 62
- MFJ Auto Window Mount for SMA Antennas (MFJ-310S; MFJ-310; MFJ-1717S; MFJ-1717): Feb, 43
- MFJ Magnetic Mount for SMA Antennas (MFJ-332S; MFJ-332B; MFJ-1717S; MFJ-1717): Jan, 87
- MFJ Window/Balcony Antenna with Built-In Tuner for 80 through 6 Meters (MFJ-1625): Nov, 70
- Miniature Low Power Electronic Keyer Kit (PicoKeyer) (Botkin): Jun, 58
- Mobile Antenna C-Matcher from MFJ (MFJ-909): Nov, 39
- Mobile Antenna L-Matcher from MFJ (MFJ-908): Nov, 30
- Ohm's Law Desk and Wall Clocks: Feb, 65
- One Hour Battery Charger from Maha (Maha MH-C801D): Dec, 30
- Orion II HF Transceiver from Ten-Tec: Nov, 39
- Packet Terminal Software (PacTerm 3 for Windows; PkTerm 3 for Windows): Apr, 41
- PolyPhaser Lightning Protectors for Cables Carrying DC (GX series): Jul, 58
- Power Line Noise Finder from MFJ (MFJ-856): Dec, 43
- Practice Amateur Radio Exams—With Memory: May, 53
- QPack Low Power Tuner (QPack Precision Tuner): Sep, 47
- QRP Prototyping Kit: Apr, 41

- QRP Quarterly Offers 25 Year Collection: Dec, 59
- QRP Smart Dummy Load: Jan, 68
- Quick Reference Card and Mini-Manual for VX-6R: Nov, 39
- Reversible Beverage Antenna System (RBS-1P): Jan, 46
- Small-Loop Tuner (MFJ-936; MFJ-935; MFJ-57; MFJ-58): Jan, 46
- Software Defined HF Receiver and Analyzer (SDR-14): Nov, 70
- Sound Card Extension Box (MFJ-5420): Jul, 34
- SS-811 Soft Start Module from J-Tec: Oct, 65

Telescoping Mobile Whip Antennas (MFJ-1956; MFJ-1954; MFJ-1952): Feb, 35

- The Super Frequency List on CD-ROM: May, 39
- TS-480AT and TS-480HX Quick Reference Mini-Manual: May, 89
- Tune Control for Yaesu Radios (The Yaesu Tune Control): Jul, 58
- Two Discone Antennas from AOR (DA5000; DS3000A): Jun, 98
- USB Transceiver to Sound Card Interface (EZ-PSK): Jun, 44
- Variable RF Matching Transformer from MFJ (MFJ-907): Nov, 53
- WaveNode Announces New Sensors (HF-1, UHF-1 for WN-1): Dec, 43
- Win-Test Contest Logging Software: Sep, 47

Wireless Touch Keying Paddle (WTP-1): Jun, 35

Old Radio (Dilks)

- 1932: A Portable Transmitter Mystery: Oct, 90 35 Years Ago, "One Small Step...": Feb, 95 Bob Dennison, W2HBE, Designer, Builder and Writer: Jul, 83 Bob Dennison, W2HBE, Silent Key: Dec, 82 Emergencies: We've Always Been Ready: Nov, 92 Field Day: Jun, 85 Getting Started with Spark: Apr, 82 How Much is Enough?: Jan, 92 Jack Yanosov (sidebar to Old Radio: 35 Years Ago, "One Small Step..."): Feb, 96 Jerry Barry, K5AXN, Operating VFD in 2004 (sidebar to Old Radio: Field Day) (Osterwald): Jun. 86 M.C. Jones and the Micromatch: Mar, 71 The Catalog Years: Aug, 78 The First Ham in Philadelphia (Tom Appleby, W3AX): Sep, 89 The Johnson Viking Navigator: May, 90
- The Radio Game: Dec, 81

Op-Ed

- "Five-by-Nine..." What's it Really Mean? (Harper): Jul, 88
- Let's Start Revitalizing Packet by Sharing Ideas (Stone [SK]): Apr, 81
- Needed: A New Soul for Amateur Radio (Nichols): Feb, 94

Operating

- 9th Annual School Club Roundup: 2005 (Malchick): Jan, 103
- 2004 ARRL November Sweepstakes CW Results (Thompson): May, 101
- 2004 ARRL September VHF QSO Party Results (Klein): Mar, 94
- 2004 IARU HF World Championship Results (Luetzelschwab): Mar, 97
- 2004 Simulated Emergency Test Results (Ewald): Jul, 96
- 2004 Simulated Emergency Test Results: Clark County ARES Passes Communications Test (Van Sandt): Jul, 96
- 2004 Simulated Emergency Test Results: Cupertino ARES/RACES Drills (Oberhofer): Jul, 96
- 2004 Simulated Emergency Test Results: Merle West Medical Center Exercise (Davis, Bragg & Pion): Jul, 97
- 2004 Simulated Emergency Test Results: Photo: Bernie Nobles, WA4MOK, SEC North Carolina (Knapp): Jul, 97
- 2005 ARRL 10 Meter Contest Announcement: Nov, 105
- 2005 ARRL 160 Meter Contest Announcement: Nov, 105
- 2005 ARRL August UHF Contest Announcement: Jul, 95
- 2005 ARRL Field Day is June 25-26: May, 100
- 2005 ARRL International DX CW Contest (Robbins): Aug, 92
- 2005 ARRL International DX Phone Results— Shelter from the Storm (Silver): Sep, 100
- 2005 ARRL International EME Competition Announcement: Aug, 91
- 2005 ARRL January VHF Sweepstakes Results (Carman): Aug, 96
- 2005 ARRL June VHF QSO Party Announcement: May, 99
- 2005 ARRL November Sweepstakes Announcement: Oct, 105
- 2005 ARRL RTTY Roundup Results (Townsend): Jul, 99

- 2005 ARRL September VHF QSO Party
 - Announcement: Aug, 90
- 2005 IARU HF World Championship: Apr, 102
- 2005 Simulated Emergency Test (Ewald): Sep, 48
- 2006 ARRL International DX Contest Announcement: Dec, 88
- 2006 ARRL January VHF Sweepstakes Announcement: Dec, 89
- 2006 ARRL RTTY Roundup Announcement: Dec, 87
- 2006 ARRL Straight Key Night Announcement: Dec, 89
- A (Radio) Wave of Nostalgia—Straight Key Night 2005 (Henderson): Apr, 101
- A Brilliant Dance—The 2004 ARRL 160 Meter Contest Results (Peterson): Jun, 99
- ARRL 10 GHz and Up Contest Announcement: Aug, 91

Clean Sweep Mugs (sidebar to 2005 ARRL November Sweepstakes Announcement): Oct, 105

- DXCC Honor Roll (Moore): Aug, 100
- Expanded Reports Available (2005 ARRL January VHF Seepstakes Results) (Carman): Aug, 99
- Expanded Results (sidebar to 2004 ARRL November Sweepstakes CW Results) (Thompson): May, 103
- Icom to Sponsor SS Plaques (sidebar to 2005 ARRL November Sweepstakes Announcement): Oct, 105
- Jamboree on the Air 2005 (Spencer): Sep, 54 Mythology, Amateur Radio Style—ARRL Field Day
- 2005 (Henderson): Dec, 90 November Sweepstakes Participation Pins (sidebar to 2005 ARRL November Sweepstakes

Announcement): Oct, 105

- Pinning Isn't Everything... (sidebar to 2006 ARRL International DX Contest Announcement): Dec, 88
- Public Awareness Day Emergency Power Operating Event (Carcia): Sep, 49
- Results, 2004 ARRL November Phone Sweepstakes (Taylor): Jun, 95
- Results, 2004 ARRL UHF Contest (Seabreeze): Jan, 104
- Results, 2005 June VHF QSO Party—Catching a VHF/UHF Buzz (Rosen): Dec, 102
- School Club Roundup 2005 (Malchick): Oct, 103
- Space—The Final Frontier: The 2004 ARRL EME Competition (Ward & Harrison): Apr, 103
- The 2004 ARRL 10 GHz and Up Contest Results (Rosen): Mar, 100
- The 2004 ARRL 10 Meter Contest Results (Jones): Jul, 101

W3IY Rover Recognition Award Established by the Mt Airy "Packrats" (sidebar to Results, 2005 June VHF QSO Party—Catching a VHF/UHF Buzz) (Rosen): Dec, 105

Organizational

- ARRL Board Adopts Modified Regulation by Bandwidth Proposal (Lindquist and Patton): Sep, 55
- ARRL President Haynie's Testimony on Hams' Katrina Response (Haynie): Nov, 49
- Holiday Toy Drive in Full Swing: Dec, 44
- Kids Day 2006 (Spencer): Dec, 45
- Nominate a Local Reporter for the Leonard Award (Pitts): Nov, 59
- Season's Greetings: Dec, 44
- Summary of Major Board Actions (sidebar to ARRL Board Adopts Modified Regulation by Bandwidth Proposal): Sep, 56
- The Trouble with Sky Wave (sidebar to Tune In the 2005 Frequency Measuring Test) (Silver): Nov, 55
- Toy Drive Brings Smiles to Kids at Christmas (Pitts): Feb, 51
- Tune In the 2005 Frequency Measuring Test (Silver): Nov, 54
- Accelerated Learning Fits Today's Fast Paced Lifestyles (Fusaro): Apr, 45
- An Unconventional Convention: 2005 Dayton Hamvention and ARRL Expo (Lindquist): Aug, 39
- Announcing the 14th Annual McGan Award (Pitts): Feb, 60
- ARRL Board Announces Award Winners (Lindquist): Oct, 47
- Holiday Toy Drive: Let's Do It Again! (Pitts): Nov, 51
- Keeping Our Eyes on the Prize (sidebar to Accelerated Learning Fits Today's Fast Paced Lifestyles) (Fusaro): Apr, 46
- Kid's Day (Spencer): Jun, 49
- Kid's Day Rules (sidebar to Kid's Day) (Spencer): Jun, 49
- Public Relations vs Public Service (sidebar to Announcing the 14th Annual McGan Award) (Pitts): Feb, 60
- Summary of Major Board Actions (sidebar to The 2005 Annual Meeting of the ARRL Board of Directors) (Patton & Lindquist): Apr, 53
- Take Your Handheld to Work Day (Pitts): Jun, 45
- Teachers' Institutes Make the Science of Radio Come Alive (Spencer): May, 49

The 2005 Annual Meeting of the ARRL Board of Directors (Patton & Lindquist): Apr, 51

WØGJ, Winner of the ARRL 2004 International Humanitarian Award (Skolaut): Jun, 50

- Welcome to the New Dayton Hamvention 2005 (Des Combes): May, 46
- What's new at Dayton 2005? (sidebar to An Unconventional Convention: 2005 Dayton Hamvention and ARRL Expo) (Hallas): Aug, 40
- What's That? (sidebar to Take Your Handheld to Work Day) (Pitts): Jun, 45

Our Cover

- A Backpacker's Delight—The Folding J-Pole (Heiler): Mar, 5
- A Simple Direction-Finding Receiver for 80 Meters (Hunt): Sep, 5
- Antenna Issue: Dual-Band Wire Beam (Baker): Aug, 5
- Antenna Issue: Horn Antennas (Wade): Aug, 5
- Build an Automatic Antenna Switch Controller (Davidson): Oct, 5
- Dayton Hamvention ARRL National Convention: May, 5
- Going Up! The Colorado 14er Event (Ormsby): Oct, 5
- Happy Holidays (Pingree): Dec, 5
- Hurricane Katrina: Nov, 5
- Motor City Radio Club, W8MRM—GOTA station (Briggs): Jun, 5
- Operating from Ocean Going Research Vessels (Franklin): Feb, 5
- Plano (TX) Amateur Radio Klub, K5PRK—Field Day (MacDonald): Jun, 5
- QRV from Mount Kilimanjaro (Blattler): Apr, 5
- Top Topband—2200 meters (Craig): Jul, 5; Feedback: Oct, 35
- Viking Ranger II Kit/Stu Cohen, N1SC: Jan, 5

Product Review (Hallas)

A Look at a New Generation of Antenna Rotators (AlfaSpid; C.A.T.S. RD-1800/DPU-1800-D; Hy-Gain HAM-V/DCU-1; Prosistel PST-641D; Yaesu G-800DXA/GS-232B) (White): Sep, 70

- A Look at Some High-End Antenna Analyzers (Autek VA1; Kuranishi BR-210; MFJ-269; Palstar ZM-30): May, 65
- A Word About Antenna Reviews: Jul, 66
- Alinco DJ-C7T Pocket-sized VHF/UHF FM Transceiver (Lindquist): Jan, 73

Ameritron ALS-600S HF Amplifier with Switching Power Supply (Stinson): Mar, 60; *Feedback: May*, 89

An Antenna Tuner and Audio DSP Filter for Elecraft K2 and K2/100 Transceivers (Wolfgang): Jan, 69

D-STAR Digital Voice and Data—An Overview (Silver): Jun, 67

Elecraft XG1 Receiver Test Oscillator (Tracy): Apr, 78

FlexRadio Systems SDR-1000 HF+VHF Software Defined Radio Redux (Lindquist): Oct, 66

Heil ClearSpeech DSP Speaker System: Jul, 67

HF Digital with the FTDX9000D (sidebar to Yaesu FTDX9000D HF and 6 Meter Transceiver): Aug, 58

How The Roofing Filter Sounds (or Doesn't Sound) on the Air (sidebar to International Radio Roofing Filters for Yaesu FT-1000MP Series Transceivers) (Frenaye): Feb, 78

ICOM IC-756PROIII HF/6 Meter Transceiver (Lindquist): Mar, 56

ICOM IC-V82 2 Meter Handheld Transceiver (Henderson): Jun, 65

ICOM ID-800H Dual-Band FM and Digital Transceiver (Tracy): Nov, 73

Impressions of the FTDX9000D in a CW Contest Environment (sidebar to Yaesu FTDX9000D HF and 6 Meter Transceiver) (Sumner): Aug, 57

Installation and Test of UT-118 Digital Voice Modules (Tracy): Jun, 69

International Radio Roofing Filters for Yaesu FT-1000MP Series Transceivers: Feb, 76

LDG Electronics TW-1 Talking Wattmeter: Nov, 77

Operating with the ICOM UT-118 Digital Voice and Data Unit (Carcia): Jun, 70

RFSpace SDR-14 Software Defined Receiver and Moetronix SpectraVue Spectrum Analyzer Software (Tracy): Dec, 63

Rotators Under Computer Control (sidebar to A Look at a New Generation of Antenna Rotators): Sep, 74

SDR-1000 Software-Defined HF/VHF Transceiver: Apr, 73

Spider Beam Triband HF Yagi (White): Jul, 63

The FTDX9000D in the New England QSO Party (sidebar to Yaesu FTDX9000D HF and 6 Meter Transceiver) (Fusaro): Aug, 58

The FTDX9000D on 6 Meters (sidebar to Yaesu FTDX9000D HF and 6 Meter Transceiver) (Motschenbacher): Aug, 59

W4RRY Electronic Battery Booster: Oct, 71

W4RRY Electronic Battery Booster No Longer Available (Wilson): Dec, 66

West Mountain Radio PWRgate (PG40) and Computerized Battery Analyzer (Wolfgang): Feb, 78

Yaesu FT-60R Dual-band Handheld Transceiver (Henderson): Feb, 74

Yaesu FT-8800R Dual-band FM Transceiver (Carcia): May, 62

Yaesu FTDX9000D HF and 6 Meter Transceiver: Aug, 53

Yaesu VX-6R VHF/UHF Handheld Transceiver (Hobart): Dec, 60

Going Once, Going Twice

ICOM IC-7800; Kenwood TS-480SAT; Spi-Ro AS-2; Elecraft XV-144; Palstar AT1500Bal; Wavenode WN-1: Jan, 75

Yaesu FT-857D; Yaesu MH-59; Emtron DX-1d; SGC SG-211; Palstar AT4K; MFJ-616; Diamond MX-72D: Mar, 62

ICOM IC-2200H; Yaesu VX-2R; Kuranishi BR-210; SGC SG-211; AOR ARD-9800: Jul, 68

ICOM IC-756ProIII; Flex Radio SDR-1000; Noise Cancellation Technologies ClearSpeech Line; Alinco CJ-7T; SGC MAC-200; MFJ-991; West Mountain Radio CBA; Comet CF-4160): May, 69

Rohn AS-25G; ICOM IC-V82; Autek VA-1; Spiderbeam; Heil ClearSpeech: Sep, 76

MFJ-269; AlfaSpid antena rotator and controller; Palstar WM-150; LDG Z-11; Electric Radio antenna tuning meter: Nov, 78

Public Service (Ewald)

A New Packet Radio Client for Emergency Communications (Edwards), Part 1: Jan, 82; Part 2: Feb, 87

A Week at the Races: ATV Serves the Public Interest at Daytona (McCoy): Nov, 86

Amateur Radio Shines in Dawn to Dusk Race (Stevens): Jul, 76

An ARES Story—Williamson Co, Tennessee (Gerth), Part 1: Aug, 68; Part 2: Sep, 82; Part 3: Oct, 81

ARES Volunteers Front and Center in Katrina's Wake: Nov, 86

Build Your Own Statewide Packet Network, Part 2 (Westgard & Emeott): Jan, 82

Eastern Michigan Salvation Army Division Headquarters sponsored ECOMM Level 1 class (photo): Jul, 77 Extracurricular Training for Amateur Operators (Nelson): Mar, 74

Hams Become "First Responders" at Convention (Lindquist): Nov, 88

Hams Part of the Annual Hill Climb (Seidel): Jul, 76

Honey, I Shrunk the Rigs! (Franklin): May, 78

How to Become an Experienced "On the Road" NSC (Marques): Dec, 72

Portable Tower (Sheaffer): Feb, 87

Radio Amateurs Aid in Pacific Maritime Rescue: Nov, 87

Radio Amateurs Communicate for Sled Dog Race in Michigan (DeWitt): Apr, 84

SKYWARN Recognition Day is December 3, Ham Radio Operators Rise to the Occasion (Floyd): Dec, 72

State-of-the-Art Emergency Communications in Kodiak, Alaska (Pfeifer): Mar, 73

Texas Baptist Men Provide Disaster Relief (DuBose): Jun, 78

Winlink 2000 Terminology (sidebar to An ARES Story—Williamson Co, Tennessee, Part 3) (Gerth): Oct, 82

Field Organization Reports

October 2004: Jan, 84; November 2004: Feb, 88; December 2004: Mar, 75; January 2005: Apr, 85; February 2005: May, 80; March 2005: Jun, 79; April 2005: Jul, 77; May 2005: Aug, 69; June 2005: Sep, 83; July 2005: Oct, 83; August 2005: Nov, 88; September 2005: Dec, 73

Short Takes (Ford)

EasyLog5: Jan, 59

Electronics Genius (Hallas): Nov, 62

Heil Classic and Heritage Microphones (Gruber): Feb, 65

ICE Model 475-3 AC Line Filter: Mar, 48

KU4AB 2-Meter and 70-cm Antennas (SQ-144ml; SQ-432): Apr, 58

microHAM USB microKEYER: Sep, 60

MixW RigExpert Tiny: Jun, 56

Morse Runner (Cieslak): Jul, 56

ProLog2K, V 5.76: Aug, 45

RigExpert Plus USB Transceiver Interface (Carcia): Dec, 51

Weather Display (Horzepa): May, 54

Wonn Engineering WTP-1 Wireless Touch Paddle: Oct, 55

Silent Keys (Capodicasa)

Jan, 99; Feb, 97; Mar, 86; Apr, 96; May, 95; Jun, 87; Jul, 91; Aug, 82; Sep, 91; Oct, 92; Nov, 99; Dec, 83

Special Events (Weinberg)

Jan, 101; Feb, 101; Mar, 88; Apr, 98; May, 97; Jun, 94; Jul, 104; Aug, 84; Sep, 97; Oct, 101; Nov, 104; Dec, 87

Strays

150 years and counting? (Sam Lanham, W8VVE; John Dobson, W8WEJ; Tom Berry, AA4VV): Sep, 67

2005 Shortwave Frequency Guide: Jun, 89

Amateur Radio Club of the European Space Center contact with NA1SS (Maarschalkerweerd): Feb, 94

Annual QST Indexes Available: Jan, 89

- ARRL 2004 Technical Awards Call for Nominations: Apr, 88
- ARRL Extra Class Certificate: Oct, 95
- Authors Wanted!: May, 95

CERT (Citizens Emergency Response Team) graduate Dan Miller, K3UFG, and instructors Paul, K1PJB, and Lynn, KA2IIW: Feb, 46

Congratulations! Andy Anderson, W5UBU, 75 year ARRL member: Feb, 46

Congratulations! Edmond (OK) Amateur Radio Society recognized for public service: Jul, 90

Deadline Approaching for Online Course Reimbursement (Miller): Jun, 64

Digital Communications Conference Papers Solicited: Jun, 92

Eyeball QSO in Como (Kleiman): Nov, 99

FARApole Update (Valdes): Apr, 91

Firmware Upgrade (Re: ICOM and SGC—A Perfect Match, March 2004 *QST*) (Lewis): Jan, 99

Fort Osage School ARC Receives ARRL Charter (Smith): Jul, 79

Great Plains Super Launch (Conner): Jul, 91

Ham Radio Reference Freeware (Lauben): May, 95

Hams in A61 (Greenbaum): Nov, 103

- Handheld honor guard (N3GQ and K3KAT) (Ankerbrand): Nov, 104
- Have a Photo for *QST*?: Sep, 91
- Have You Worked All States?: Jun, 92

Joyce Judy, KD8HB, is 2004 Severson Winner (Phillips): Jan, 105

Life Members Elected April 9, 2005: Jun, 101

Life Members Elected October 22, 2005: Dec, 88

- Line 'Em Up! (Byrd): Jan, 99
- Looking for a Ham Radio Class?: Oct, 92
- Man melded with machine—Bob Heil, K9EID (Bird): Oct, 102
- MARS Ops Sought (Borgman, Ssgt USMC): Mar, 86
- No Computer Algorithm Available? Use Algebra!: Nov, 61
- Norman Vandiver, N7VF, and Scream repair damage to tower (Friesen): Apr, 91
- Orkney Islands Awards (Blunn): Jan, 32
- Photo: Eastern CT ARA Field Day (KB1JPY age 10; K1DNW age 100; KB1EZU age 12) (Rollinson): Jul, 93
- Professional Amateurs (Shott): Jan, 99
- Q Street sign (Eisenberg): Feb, 59
- Q Street sign (Nelson): Feb, 59
- Q Street sign (Helm): Feb, 59
- Repeater Builder's Technical Information Page (Morris): Jul, 54
- Robert Simonson, W6WDG, 60-Year ARRL Membership Plaque (Edmondson): Apr, 91
- Teaching Electronics to Hams Using the ARRL "Big Project" Activity Board (MacAlister): Mar, 93; *Feedback: May, 89*
- The Cat is Back!: Jan, 32
- The Satellite Beacon from Project OSCAR (Clarke): Jun, 92
- Uncommon Vows (WB4L and WX2L) (Wolfe): Jan, 99
- "Up Front" Photo Reunites Old Ham Friends (Fisk): Apr, 91
- VUCC: Aug, 49
- Well-earned retirement: Ross Mergenthaler, NS8C, team liaison for Toledo Mobile Radio Association (Harrington): Oct, 85
- Youth Net (Burnett): Jan, 99

I would like to get in touch with...

- amateurs continuously licensed as Novice since or before 1977 (Morin): Mar, 30
- amateurs who are employees of the United Naitons (Trice): Aug, 99
- amateurs who contacted the hams on the 1947 Kon-Tiki Expedition (Uhte): Mar, 30
- amateurs with YO suffix (Richmond): May, 95
- anyone who can provide assistance to blind ham (Peoples): Jan, 50
- anyone with information on Amateur Radio Operator Unity Ring from 1970s (Breuer): Jan, 99
- hams who are artists and/or banjo players to start sked or net (Levine): Jan, 99

- hams who would like to participate in Boston Marathon communications effort (Topolski): Apr, 95 how to obtain manual for AOR-1200 mobile data terminal (Petit): Apr, 95 navy communication technicians who served with the US naval security group (Heenan): Jun, 87 parts for restoration of WWII B-29 Superfortress (Thompson): Dec, 80
- personnel who served in Asmara, Eritrea, East Africa, circa 1955-60.: Sep, 91

In the Next issue of QEX/Communications Quarterly

January/February 2005: Feb, 97 March/April 2005: Apr, 96 May/June 2005: Jun, 87 July/August: Aug, 82 September/October 2005: Oct, 92 November/December 2005: Dec, 83

QST congratulates...

- Clay Freinwald, K7CR, elected Vice President Society of Broadcast Engineers: Dec, 83
- Andrew Clegg, W4JE, elected president of National Spectrum Management Association: Feb, 59
- Ben Kiningham, K9IDQ, Alum of Year by Southern Illinois University for assisting Radio-Television graduates with internships and job placement for more than 30 years: Mar, 86
- Brennan Price, N4QX, article "Reasonable Accommodation of Amateur Radio by Zoning Authorities: The FCC's PRB-1 Preemption" in Connecticut Law Review: Mar, 86
- Carolyn F. Moore, W5CFM, Board Certified in Workers' Compensation Law: Jul, 91
- Don Batemann, KK7UT, inducted into the National Inventors Hall of Fame: Jun, 71
- Dr J. Allan Wolf, K6JW, publication of his book Spacebraid and Other Tales of a Dystopian Universe: Apr, 50
- Dr Jim Kennedy, K2PHD, coauthor of recently published book The Black Book of Corporate Security: Jul, 91
- Edward Bardfield, W1RES, awarded Fellow of the Radio Club of America (Bardfield): Aug, 82
- Elliot Kleiman, WA4TDK, elected to Cooper City, FL, City Comission: Apr, 92
- Eric P. Nichols, KL7AJ, novel Plasma Dreams: May, 95

Ervin Davis, W7ERV, Volunteer of the Year for National Wildlife Refuge system: Apr, 98

Jack Mandelman, K1VT, 300th US patent: Apr, 50

Joel Dubin, N9NOL, The Little Black Book of Computer Security has been published: Oct, 95

John A. (Jack) Kuecken, KE2QJ, novel published, Some Were Astronauts: Jul, 82

John Bauer, W4AWM, President's Volunteer Service Award: Jun, 92

- John Bauer, W4AWM, received President's Volunteer Service Award in January: Apr, 92
- Juan Balda, KB5ZWW, received grant from US Dept of Energy's GridWorks Initiative: Sep, 91

Marc Cooper, W6IWW, The Last Honest Place in America: Paradise and Perdition in the New Las Vegas, published: Aug, 82

Mark Duff, KB1EKN, Fire Chief Hingham, MA, Dept of Fire and Resue Services: Oct, 95

Marty Kaiser, W3VCG, autobiography Odyssey of an Eavesdropper: Nov, 99

Marty Kaiser, W3VCG/8P9FG/ZF2AK, autobiogrphy *Odyssey of an Eavesdropper* being published: Sep, 91

Matthew Boarts, AD5GX, Edwin R. Chess award for Outstanding Company Grade Officer Chaplain of Air Force for 2003: Mar, 86

Meg Millard, wins Toyota Tapestry Grant: Jul, 91

Roger Paskvan, WAØIUJ, Mark Trail NOAA Weather Radio Award: Sep, 91

The Rev William S. Skylstad, K7NKL, elected president US Conference of Catholic Bishops: Feb, 97

William Baker, W1BKR, inducted into the Broadcasting & Cable Hall of Fame (Wilson): Feb, 97

Zack Lau, W1VT, "Best Novice" at Connecticut Rose Society's 2005 Rose Show: Sep, 91

Technical Correspondence

About "An Audio Intelligibility Enhancer" (Collins/Kennedy): May, 70

About "The W6QIF Oscillator" (Eisenberg/Pepper): May, 71

About Adding Fans to the IC-706 (Johnsen): Aug, 60

Accuracy of PSK Offset Cluster Spots (Kriss): Aug, 60

An Inexpensive Az-El Rotator System Revisited (Brown): Jan, 76

Author Comments on the Added IC-706 Fan (Salas): Oct, 74 Baluns and Balanced Feed Lines-More Q & A (Danzer): Oct, 73 Bridges-A Doorway to Modern Electronics: Part 1 (Geiser): Nov, 79 ICOM IC-706 External Fan Necessary?-No! (Schetgen): May, 72 Measuring Performance of Software Defined Radios (Hallas): Mar, 65 More About FM/PM (Norberg): Mar, 63 Motorola MD61 Cordless Battery Charger Interference (Cerqua): Mar, 64 Packet, Pactor and NVIS (Inderbitzen/Heron): Aug, 60 Technical Correspondence EMI Hall of Shame Begins—Halogen Lamp [A QRN (EMI) Hunt] (Counselman): May, 71 Technical Correspondence Needs Authors! (Schetgen): Mar, 65 The Ultimate Portable HF Vertical Antenna-An Observation (Thomaidis/Salas): Nov, 80

The World Above 50 MHz (Zimmerman)

- 144-MHz Standings: Jul, 82
- 222 MHz Standings: Sep, 88
- 432 MHz Standings: Nov, 91
- A Look Into the Crystal Ball: Predicting Solar Cycles: Jan, 85
- All Things 6 Meters: May, 83
- EME Annual Standings: Mar, 81

EME with JT65: Jun, 80

- Four Days in November: Feb, 89
- Listen for the Weak Ones: Dec, 78
- Microwave Standings: Feb, 91

Non-Traditional Mechanisms of Transequatorial Propagation, Part 1: Oct, 86: Part 2: Nov, 89

Peaks and Nulls in the Life of a 6 Meter DXer: Sep, 86

QRPpp on VHF (Angle): Apr, 89

This Month: Jan, 85; Feb, 89; Mar, 79; Apr, 89; May, 83; Jun, 80; Jul, 80; Aug, 70; Sep, 86; Oct, 86; Nov, 89; Dec, 78

- VHF Contesting: Part 1—The Basics: Mar, 79
- VHF Contesting: Part 2—Operating: Jul, 80

VHF Contesting: Part 3—High Performance: Aug, 70

Yearly VHF+ Highlights: 6 meters; Geomagnetic storms; Solar cycle; New VHF+ Records; Trends—Digital communication and VHF Contesting: Dec, 79

Here and There

ARRL January VHF Sweepstakes; Quadrantids Meteor Shower; EME Conditions for 2005; Daytona Beach SWOT Net; ISS operations: Jan, 87

Century Grid Award: Feb, 91

New Millimeter-Wavelength Distance Record; 6 m Beacon Project; Happy Birthday Ted (Mathewson, W4FJ): Mar, 81

Lennart Suominea, OH2NL, Silent Key; Tom Cook, WA2BPE, Silent Key; New 122 GHz Record; Spring Springs; European Worldwide EME Contest; NTMS/RMG 902 MHz and Up Texas QSO Party; Eastern VHF/UHF Conference; SVHFS Conference; New Beacons: Apr, 91

Spring Sprints; VHF Dinner at Dayton; Second 6
Meters Marathon; Call for Papers, 39th Central
States VHF Conference; XI Italian EME Contest;
V73SIX/b Beacon; Ted Mathewson, W4FJ, Silent
Key: May, 85

DXpeditions; June ARRL VHF QSO Party; 2005 SMIRK Contest; Reverse VUCC; Six meter beacon project: Jun, 82

First 47-GHz EME Contacts; DXpeditions Galore; 2005 CQ World Wide VHF Contest; Central States VHF Society 2005 Conference: Jul, 81

August UHF Contest; ARRL 10 GHz and Up Cumulative Contest; Sable Island DXpedition: Aug, 72

ARRL September VHF QSO Party; Fall Sprints: Sep, 88

Silent Keys Fred Fish, W5FF, Dave Batcho, N5JHV, Erik Roy, TI2NA; 2005 ARRL International EME Contest; Fall Sprints; 2005 Pacific Northwest VHF Society Conference; Microwave Update (MUD): Oct, 88

New 47 GHz World Distance Record; New North American 10 GHz Rain Scatter Record; Leonids Meteor Shower; Hungary on 6 meters; 2005 ARRL International EME Contest: Nov, 91

New Microwave Rain Scatter Records; Geminids meteor shower: Dec, 80

Up Front in *QST*

10 Gigs Anyone? (Lane): Sep, 21

1916 publication "How to Conduct a Radio Club" (Nightingale): Jan, 21

4G2F: DXpedition to Pristine Fuga (Soriano): Mar, 21

A 1931 "State of the Art" Transmitter (Pentecost): Jan, 20

- A Cold 807 (Johansen): Feb, 21
- A First Visit to ARRL Headquarters (Giovannetti): Apr, 20
- A Tale of Two Air Shows: Blue Angels Air Show (Lorkowski): Oct, 20
- A Tale of Two Air Shows: Wings Over Pittsburgh Air Show (Bloomberg): Oct, 20
- Amateur Ambassadors (Minichiello & Doty): Nov, 20
- Amateur Radio Featured in Book of Records (Laine): May, 20
- Amateur Radio in the American Civil War (Viele): Jul, 20

Arkansas Hams Commemorate Dedication of Clinton Presidential Library (Seward): Feb, 21

- Atop Mount Hereford (Menard): Sep, 20
- Big Ham Turnout for Marine Corps Marathon (Westgard): Dec, 21
- BPL insertion point/dead end sign (Mauldin): Feb, 21
- BPL Listening Post (Layer): Oct, 21
- But Will They Load Up on 2? (Reception Sticks) (Homuth): Dec, 21

Can you tell me where I can find a good directional antenna? (Beam Ave sign) (Vlach): Oct, 20

Chess pieces from connectors (Van Baak): Mar, 20

Colorful call (stained glass) (Goldblatt): Dec, 21

Contrail Propagation Creates Buzz in Nevada (Taormina): Apr, 20

- Count 'Em-65 New Hams! (DeVolpi): Apr, 21
- East Ham Station (sign on bus) (Webb): Dec, 21

Elmering by Example and Accomplishment (Carlsen): May, 20

Emergency power operating event (Shepherd): Dec, 21

Extra, Extra, Extra, Extra, Extra...Read All About It! (New ARRL Extras KB1DMW, N1NAG, N1NAM, AB1EW, K1MMH): Jun, 21

- Field Day 2005: Cityscape, New York City Transit Amateur Radio Club (Lobenstein): Dec, 20
- Field Day 2005: Family Fun, Aroostook Amateur Radio Association (Merritt): Dec, 20

Field Day 2005: Meritorious FD endeavor, Montgomery Amateur Radio Club (Toms): Dec, 20

- Field Day 2005: WB5DYG Field Day: Chandler (AZ) Police Department officers and civilians (Parks): Dec, 20
- Field Day Video Producers Wanted: Jun, 21
- Field Day Weekend is June 25-26/T-shirts and pins: Jun, 21
- Florida hurricane (Millard): Mar, 20

Getting out by going up (Haleakala summit) (Tullen): Apr, 21 Ham Radio Plays Role in the Presidential Inaugural (Purvis): Jul, 21 Ham Radio sign at Joe's Be-Bop (Kane): Nov, 21 Hams Support Scouts at Jamborall (Brewer): Nov, 21 Hamvention booty? (Reich): Aug, 20 Have a Story to Tell?: Sep, 20 High School brings Shuttle Missions to Classroom (Tribble): Feb, 21 Homebrewing in New Hampshire (Hansel): Nov, 20 Hotel Room Provides Honolulu Altitude (Tinley): Oct, 21 Jambo Time (Morine): Aug, 20 K2IRT Marks NYC Subway Centennial (Lobenstein): Feb, 20 Looking Up (K1WHS 2-meter Array) (Herrick): May, 21 MAD is May 28 (Amateur Radio Military Appreciation Day) (McClendon): May, 21 MARS in Alive and Well in Afghanistan (Hammer): Sep, 21 Navy hams from WW II (Harnisch): Jan, 20 Nice Pack—Coming or Going (Shaw): Aug, 21 NYC off the the RACES (Bradshaw): Sep, 20 Okay, what are we looking at here? (24 emergencyantenna mounts) (Henderson): Apr, 21 Oscar 1 lives (Kaufman): Dec, 21 Paul Chominski, WA6PY, "Moonbouncer" (Kotowski): Apr, 21 Pinball Wizard Finds Ham Radio Parallels (Kmiec): May, 21 Polish Underground Station is Reborn (Bury): Jun, 20 QRZ! "Enhanced" power (Tucker): Nov, 21 R1ANC Keeps Vostok Station Team Tied to Home (Waterman): Oct, 20 Rock Bender (Lones): Aug, 21 SCARA Special Event Station at the Miss America Pageant (Burik): Mar, 20 Secret society: Aug, 21 Serious Portable Station Projects Good Communications (Haines): Oct, 21 Smokey at Old Barney ARC (Waretown, NJ) Field Day (Burgess): Jun, 21 "Some type of reciprocal license agreement" (Guilhjerme): Feb, 21 Special Event Commemorates First FM Transmission (Barreres): Aug, 21 Summer of Study Brings...CSCE (Alan Yates, KD8CAJ) (Yates): Nov, 20

(Walker & Fridley): Nov, 21
WJØTA Classes Help Mainers Become Hams (Sirois): Jan, 21
Worldwide YL Meeting in Seoul (Hall): May, 21
WW II QRP (Beningo): Jan, 20
21
Young Ham Appreciates Vintage Technology (Qays Purwinto, AB2SH) (Malgieri): Jan, 20
20
VHF/UHF Century Club Awards (Sapko)
rge, 21
Feb, 91; Apr, 102; Jun, 82; Aug, 80; Oct, 102; Dec, 80
mergencyW1AW Schedule
Jan, 100; Feb, 98; Mar, 87; Apr, 97; May, 96; Jun, 88; Jul, 92; Aug, 83; Sep, 92; Oct, 93; Nov, 100; Dec, 84
s (Kmiec):

Towering Antennas (Ronay): Aug, 20

(MA) Field Day (Manna): Jun, 21

Rocket Launch (Sarratt): Jul, 21

Want to Submit a Photo to QST?: Jun, 21

(Michael Braun, K3LNT): Apr, 21

Feedback: Oct, 35

(Edwards): Jul, 20

T-shirt with a radio theme at Capeway Radio Club

Two ARRL Section Managers Support High School

Vibroplex Donation to W1AW (Baulig): Aug, 20;

We Still Rave On about Buddy Holly in Lubbock

What's in The Old Man's Trunk? (Keane): Sep, 20 Who Won the 2005 Jeopardy! Teen Tournament?

Will it reach? (Tower installation at KG4FZR)